

**BRAC 1995 CAPACITY ANALYSIS DATA CALL:
Operational/Reserve Air Station/Facility**

AIR STATION/FACILITY - UIC

NAS FORT WORTH, JOINT RESERVE BASE - 00215

STATION CAPACITY

GENERAL NOTE: RESPONSE TO THIS DATA CALL IS FOR NAS FORT WORTH JRB SCHEDULED TO BE ESTABLISHED 1 OCTOBER 1994. FINAL CONFIGURATION AND BASE LOADING IS BASED UPON COMPLETION OF ALL BRACON PROJECTS IN LATE 1997 AND PROJECTS FORCE STRUCTURE AS OF 19 MAY 1994.

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

Airfield Name CARSWELL FIELD

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

Runway	Length (ft)	Width (ft)	Max load	Lighting				Arresting Gear Type(s)
				F	P	C	N	
17 / 35	12,000	300	550,000	X				(4) E-28 to replace (2) bak-12 currently at Carswell
H17/ 35	800	75	N/A		X			N/A

F - Full lighting (runway edge, center, and threshold)

P - Partial lighting (less than full)

C - Carrier deck lighting simulated

N - No lighting

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

Apron/ramp/ taxiway Location-ID	SF	Comp.	ID Type/Model A/C Prohibited	Comments
301ST SOUTH (510x60)	30,600	CONCRETE	NONE	550,000 LBS. CAN SUPPORT ANY A/C IN INVENTORY
301ST NORTH (600x60)	36,000	"	"	"
ALERT SOUTH (1060x125)	132,500	"	"	"
ALERT NORTH (1250x125)	156,250	"	"	"
J ROW (433x277)	119,941	"	"	"
BOMBER ROW (10 PADS 137x145)	198,650	"	"	"
BOMBER ROW (5 PADS 170x145)	123,250	"	"	"
TANKER ROW (1650x135)	222,750	"	"	"
NORTH RAMP WEST (1275x150)	191,250	"	"	"
NORTH RAMP EAST (750x125)	93,750	"	"	"
BASE OPS (460x200)	92,000	"	"	"
CHARLIE (875x810)	708,750	"	"	"

Note: Total area is 205,299 square yards. Apron 4,000,000 SF, Taxiway 6,000,000 SF.
Carswell Field is capable of supporting any aircraft in the U.S. inventory. C-5 aircraft routinely operate from Carswell in support of the Lockheed plant.

D.C. #16
NAS JRB Fort Worth
Y8

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

Apron/ramp/ taxiway Location-ID	SF	Comp.	ID Type/Model A/C Prohibited	Comments
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Note: Total area is 205,299 square yards. Apron 4,000,000 SF, Taxiway 6,000,000 SF.

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

None. No impact on operations.

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There are no current limitations on any aircraft operations, nor are any anticipated. (While this question addresses load bearing, FAA documentation dating back as far as 1988 concerning airspace at Carswell clearly shows there are no infringements on D/FW air carrier operations; there are no restrictions on airspace or ramp space.)

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

None. No impact on operations.

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D.C. # 16
NAS JRB Fort Worth
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1d. Are all runways with approved instrument approaches served by hi-speed taxiways?

No.

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

FCLP pattern would fly over populated area. Otherwise no restrictions.

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

Projected runway - RWY H17 / 35 is specific to helo aircraft.

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

Airfield	# Flight Ops/Hr		Comments on Limiting Factors
	IMC	VMC	
Main	60	120	NO HIGH SPEED EXITS

2b.. Provide the average number of (historical) flight operations per month conducted at this station and the total number of days during which these operations were conducted. If data is not normally recorded, include estimates (and how derived). A flight operation is defined as a take-off, landing, or low approach.

FY	Main Airfield		Auxiliary Field N/A		Auxiliary Field N/A		Auxiliary Field N/A	
	# Ops	# Days	# Ops	# Days	# Ops.	# Days	# Ops.	# Days
1991	*	*						
1992	*	*						
1993	8,880	360						

Derived from known user input/historical data. Data is not available for when the airfield was an active duty base in 1991 and 1992. Base was converted to Reserve status in 1993.

2c. What percent of your flight operations at home field are Fleet Carrier Landing Practices (FCLPs)?

Approximately 3%

2d.. Are you designated as an authorized divert field for any non-DoD aircraft? Explain.

Yes. NASA space shuttle alternate, Drug Enforcement Agency (DEA) divert from Alliance Airport.

2e. Is your airfield designated as a joint use airfield (i.e. civilian/military, APOE)? If yes, explain mission and identify any special joint use facilities, equipment, or operational practices.

Yes. Lockheed aircraft use airfield for F-16 flight operations.

2f. Are you a NATO designated facility? If yes, explain mission and identify any special NATO facilities, equipment, or operational practices.

Not at this time. It is likely NAS Fort Worth, JRB could become a staging facility for NATO mobilization equipment due to available storage space in former nuclear storage bunkers.

2g. What percentage of total operations are civilian?

Less than 1%

2h. Describe the major civilian air traffic structures (routes, terminal control areas, approaches, etc.) discuss the present and likely future impact of each on air station operations.

NAS Fort Worth, JRB is located on the western edge of the Dallas-Forth Worth Terminal Control Area. Dallas-Fort Worth airport is located 22 NM east, Fort Worth Meachum airport is 5 NM east, and Alliance airport is 14.5 NM north. There are several other satellite airports within the TCA. Feeder routes to these airports avoid the air station. The FAA has expedited approach control handling into Carswell Field to avoid any congestion with civilian airline traffic. Impact on flight operations is and will continue to be minimal.

2i. Are there any air traffic control constraints/procedures that currently, or may in the future, limit air station operations? If yes, fully explain impact.

Negligible limitations. Proximity to Ft. Worth Meachum airport dictates most of traffic remains west of a north to south boundary line located 1.5 NM east of runway centerline. Development of Alliance will have minimum impact on operations at Carswell Field.

2j. List the normal hours of operation for the main airfield and each auxiliary airfield. Indicate if this schedule varies by month or season. If not 24 hour a day operation, explain (i.e. noise restricted).

Operating Schedule	Sun.	Mon.	Tues	Wed.	Thur	Fri.	Sat.
Main	0700	0700	0700	0700	0700	0700	0700
Airfield	2300	2300	2300	2300	2300	2300	2300

Mission requirements have no need for 24 hour/day operations.

3a. Assuming that airfield operations are not constrained by operational funding (personnel support, increased overhead costs, etc.), what additional capacity (in flight operations per hour) could be gained with the current equipment, physical plant, etc.? Provide details and assumptions for all calculations.

NAS Fort Worth's overlying VFR airspace has the capacity to handle increased base loading, both fixed wing and rotary. Based on criteria for traffic pattern airspace set forth in FAA Handbook 7400.2C, airspace overlying the airfield can accommodate 12 Category C fixed wing aircraft at any one time. A 200 percent increase is possible. For rotary wing, average pattern is 4 aircraft, airspace capability is 9, a 125% increase could be assumed.

3b. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional operating capacity would be realized? Provide cost and details of all additional capacity calculations.

NAS Fort Worth's IFR airspace has the capability to handle increased base loading. Based on criteria for IFR-Radar Airspace established in FAA Handbook 7400.2C, the Radar pattern airspace has the capacity for 11 aircraft at one time, or 66 a/c per hour. Current minimal arrival rate is 25 aircraft per hour. With runway capacity limited to 60 IFR operations per hour, a 35 aircraft per hour increase could be maintained.

3c. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

Installation of Range Operation Center Radar and Communication Equipment in the air traffic control facility for surveillance and control or the Brownwood MOA will provide increased operational capacity in special use airspace with the cost being \$325,000.00. ROC improvement validated by CNO, NAVAIR funding not available.

3d. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc. cannot overcome (e.g. airspace size/availability, AICUZ restrictions, environmental restrictions, land areas). Provide details of calculations.

Assuming appropriate spaces are used for maintenance, there should be no restrictions in additional capacity over those projects by BRAC 93.

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

NAVAID	DESCRIPTION/LOCATION
TACAN	URN - 25 / AIRFIELD*
ASR RADAR	ASR - 8 / AIRFIELD*
PAR RADAR	FPN - 63 / AIRFIELD* ***
ILS	AIRFIELD**

* Expected installation projects at Carswell

** ILS in place, maintained by 301 TFS

*** Mobile PAR installed Jul 94 by MATCS-48

BASING

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

No active duty squadrons/detachments assigned at this time. NAS Fort Worth is a reserve base but could easily host any active duty USN/USMC squadron.

Squadron/Det	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
N/A							

5b. Summarize average visiting squadron/det loading on air station operations(i.e. airwing/wing weapons deployment).

Squadron/Det Size (#A/C)	Apron Space Used	Hangar Space Assigned	Maintenance Support	Avg length of stay
3-5 C-130	GUARD RAMP	BLDG 1009	ORGANIC	2 days
6 F/A-18	11,000 sqft	HANGER 605	VMFA-112 /AIMD	1 WEEK
4 F-5	11,000 sqft	HANGER 605	VMFA-112 /AIMD	1 WEEK

Note: Data reflects visiting squadron/det loading at NAS Dallas assuming it will be similar at NAS Fort Worth JRB (does not include info from Air Force/301FW). Additional ramp space and shelters (nose docks) at NAS Fort Worth, JRB could easily accommodate additional visiting aircraft.

5c. If a major percent of flight operations at your air station is from other than permanently stationed squadron/detachments, provide explanation.

Not applicable

6a. List all reserve Navy/USMC squadrons/detachments and the number of aircraft by type, series (T/M/S), which will be stationed/are scheduled to be stationed at this air station at the indicated fiscal years.

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Squadron/Det	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
VR-59	4	C-9B/32	0	4	4	4	4
VF-201	14	F-14A	0	14	14	14	14
VMFA-112	12	F/A-18	0	12	12	12	12
VMFA-124	12	F/A-18	0	12	12	12	12
VMGR-234	12	KC-130	12	12	12	12	12

Note: Current projections for squadrons at NAS Fort Worth, JRB, include units relocating from NAS Glenview and NAS Memphis.

6b. For each reserve squadron at your air station, provide the number of authorized billets and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (Navy Reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section (i.e. not enough qualified reservists in the area).

Squadron: YR - 59	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR / FTS										
Pilot	27	9	27	9	27	10	27	10	27	10	27	10
NFO	0	0	0	0	0	0	0	0	0	0	0	0
Other Officer	3	0	3	0	3	1	3	1	3	1	2	1
Enlisted	12 5	78	11 5	87	12 5	78	11 5	87	12 5	78	11 5	80

Remarks: Anticipate increase in manning to 13 TAR, 39 SEL/RES Pilots and 94 TAR, 151 SEL/RES Enlisted in Last Quarter FY94 .

Squadron: VF-201	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR / FTS	SELRES	TAR / FTS	SELRES	TAR / FTS	SELRES	TAR / FTS	SELRES	TAR / FTS	SELRES	TAR / FTS
Pilot	15	23	15	2	15	2	15	2	15	2	15	2
NFO	14	24	14	3	14	3	14	3	14	3	14	36
Other Officer	4	1	4	1	4	1	4	1	4	1	4	1
Enlisted	160 13 1	162 17 5	11 7	15 5	13 4	12 5	11 6	13 7	13 4	12 5	11 0	13 7

Remarks: Anticipate increased manning in FY 1995 due to squadron consolidation

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Squadron: VMFA - 112	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR ES	TAR/ FTS										
Pilot	14	2	15	2	15	2	18	0	15	2	16	1
NFO	14	2	16	2	0	0	0	1	0	0	0	1
Other Officer	4	2	4	0	4	2	4	0	4	2	4	0
Enlisted	95	22	98	25	91	23	99	13	91	23	92	20

Remarks:

Squadron: HMH - 772	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR ES	TAR/ FTS										
Pilot	15	2	16	2	15	2	15	2				
NFO	0	0	0	0	0	0	0	0				
Other Officer	4	1	4	1	4	1	4	0				
Enlisted	45	30			45	30	46	34				

Remarks:

Squadron: MAG 41	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR ES	TAR/ FTS										
Pilot	10	1	12	1	10	1	11	1	8	1	22	1
NFO	0	0	0	0	0	1	2	0	0	0	1	0
Other Officer	9	8	10	8	9	8	2	4	9	9	2	8
Enlisted	21	14	22	15	20	14	21	21	20	14	19	27

Remarks:

Squadron: HHC 3- 149th STARC	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR ES	TAR/ FTS										
Pilot	13				13				13			
NFO												
Other Officer	1				1				1			
Enlisted	49				49				49			

Remarks:

Squadron: Co G, 149th	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR ES	TAR/ FTS										
Pilot									42			
NFO												
Other Officer									3			
Enlisted									160			

Remarks:

Squadron: Co E(-), 149	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR ES	TAR/ FTS										
Pilot	22				19				17			
NFO												
Other Officer	1				1				1			
Enlisted	65				60				52			

Remarks:

Co E(-) 149th	5	UH-60 L	5	5	5	5	5
DAASF	1	UH-1H	1	1	0	0	0
136 AW TEXAS AIR GUARD	8	CH-130H	8	8	8	8	8

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

Support Unit Identification/ UIC	Mission	Facilities Required	Equipment Laydown Requirement (covered/ uncovered in SF)
Army Reserve/Army Guard UIC: WQ4VAA/WYHPAA		Armory, Operational Maint Shop, Aviation Support Facility, Maint Hangar, Vehicle Maint & Storage	187,638
		Navy/Army Reserve Maint Hangar	16,670
		Army Reserve Armory	15,787
TANG UIC: L811F4W6	Texas Air National Guard	Mobile Aerial Port Squad	14,200
		Hangar/Shops/Engine/Avionics/Fuel Cell	87,300
		TANG POL OPS Lab	3,100
		Op Trng, Comms, & Wing HQ	31,100
		BCE + Disaster Prep	14,680
		301st Rocket Assembly	6,500

6b. For each reserve squadron at your air station, provide the number of authorized billets and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (TAR) Navy Reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section (i.e. not enough qualified reservists in the area).

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Squadron: HSL-94	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot	34	5	31	5	34	5	33	5	37	5	35	5
NFO	-	-	-	-	-	-	-	-	-	-	-	-
Other Officer	3	1	3	1	3	1	3	1	3	1	3	1
Enlisted	111	97	97	105	111	98	98	114	110	98	96	108

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Squadron: VP-64	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot	38	5	36	5	38	5	32	5	38	5	38	5
NFO	26	2	25	2	26	2	23	2	26	2	22	2
Other Officer	5	1	4	1	5	1	4	1	5	1	5	2
Enlisted	209	92	174	110	189	92	162	117	201	92	178	105

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Squadron: VP-66	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot	46	3	32	3	38	3	32	3	38	3	36	8
NFO	18	3	21	3	26	3	23	3	26	10	24	6
Other Officer	5	1	5	1	5	1	4	1	5	1	5	1
Enlisted	182	108	164	124	182	109	147	128	200	164	159	158

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Squadron: VR-52	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot	18	.6	18	6	18	6	18	7	27	8	18	6
NFO	-	-	-	-	-	-	-	-	-	-	-	-
Other Officer	4	1	4	0	3	0	3	1	3	1	3	1
Enlisted	100	62	92	110	104	92	80	117	104	112	93	105

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Squadron: HMH-772	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot	12	1	15	1	12	2	12	1	12	2	12	1
NFO	-	-	-	-	-	-	-	-	-	-	-	-
Other Officer	2	2	2	2	2	0	2	0	2	0	2	0
Enlisted	68	19	63	16	68	14	66	14	68	13	66	14

Squadron: VMA-131	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/PTS	SELRES	TAR/PTS	SELRES	TAR/PTS	SELRES	TAR/PTS	SELRES	TAR/PTS	SELRES	TAR/PTS
Pilot	17	1	18	1	17	2	16	1	17	1	16	1
NFO	-	-	-	-	-	-	-	-	-	-	-	-
Other Officer	2	1	1	1	2	0	1	0	3	0	1	0
Enlisted	95	29	75	26	95	26	76	24	96	25	76	23

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

Squadron/ Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
NASWG	1	UC-12B	2	2	2	2	2

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

Service/ Agency/ Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
913TH AG	12	C130-E	12	8	8	8	8
111TH FG	18	OA-10A	18	18	18	18	18
97TH ARCOM	6	OH-58A&C	6	6	6	6	6
97TH ARCOM	24	UH-1H	24	24	24	24	24
97TH ARCOM	8	U21-A	8	8	8	8	8

Note: The 111th Fighter Group (FG) of the Pennsylvania Air National Guard and the 913th Air Group (AG) are located at the Air Force Reserve Facility, Willow

Grove Air Reserve Station, which is contiguous to NASWG and utilizes the same runway.

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

Support Unit Identification/UIC	Mission	Facilities Required SF	Equipment Laydown Requirement (covered/uncovered in SF)
79th ARCOM/ W8CMAA	Non-Aviation Army Reserve	45,670	4,583 covered
97th ARCOM/ WYA5AA	Aviation Army Reserve	18,950	5,250 covered
MATCS-48/01180	Mobil Air Traffic Control	1,860	
MWSS/01199	Ground Airfield Support	4,100	20,000 uncovered
BRANCH MEDICAL/32631	Medical Support	7,648	
BRANCH DENTAL/39064	Dental Support	1,100	
NAESU/ N/A	Engineering Support	500	
NEX/ N/A	Retail Store	13,054	
NIS/42923	Criminal Investigatory Service	200	
NAVTRAMETOCDET /66471	Weather Forecasting	600	
PSAD/43315	Personnel Support	10,000	
ROICC/N00158	Construction Management	300	
SERV AIR, INC./ N/A	VR Support (Civilian Contractor)	5,214	
Army 157th		15,000	22,000 uncovered

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

10a. List all other USN/USNR, USMC/USMCR, and other DoD or non-DoD active and SELRES units not listed previously, that are scheduled to be stationed at this air station at the end of the indicated fiscal years.

Unit	Active or Reserve	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
NR NASC 0993	RESERVE	YES	YES	YES	YES	YES
NR NAF LAJES 0193	RESERVE	NO	NO	NO	NO	NO
NR NORA 1193	RESERVE	YES	YES	YES	YES	YES
NR CVN-71	RESERVE	YES	YES	YES	YES	YES
NR NAS SIGONELLA 0193	RESERVE	YES	YES	YES	YES	YES
NR LANFLTIMAGU 0193	RESERVE	YES	YES	YES	YES	YES
NR PATWING 0593	RESERVE	YES	YES	YES	YES	YES
NR CNAL 0293	RESERVE	YES	YES	YES	YES	YES
NR PAX RIVER 0193	RESERVE	YES	YES	YES	YES	YES
NR NAS BERMUDA 0693	RESERVE	YES	NO	NO	NO	NO
NR NAS WILLOW GROVE	RESERVE	YES	YES	YES	YES	YES
NR NAS KEFLAVIK 0293	RESERVE	YES	YES	YES	YES	YES
NR CMSRF 6TH FLT 0193	RESERVE	YES	YES	YES	YES	YES
NR CV-66	RESERVE	YES	YES	YES	YES	YES
NR NAS GITMO 0193	RESERVE	YES	NO	NO	NO	NO
NR BRANCH MED/DEN CL	RESERVE	YES	YES	YES	YES	YES

Unit	Active or Reserve	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
NR 4TH MAW MED MAG	RESERVE	YES	YES	YES	YES	YES
NR NAWC AD 0193	RESERVE	YES	YES	YES	YES	YES
NR NAWC AD 0293	RESERVE	YES	YES	YES	YES	YES
NR NAVMIC 0102	RESERVE	YES	YES	YES	YES	YES
NR NAVMIC 2393	RESERVE	YES	YES	YES	YES	YES
NR MARDEZLANT 0102	RESERVE	YES	YES	YES	YES	YES
NR AIC 0393	RESERVE	YES	YES	YES	YES	YES
NR DIAHQ 0193	RESERVE	YES	YES	YES	YES	YES
NR NISRO 0893	RESERVE	YES	YES	YES	YES	YES
NR NISRO 0602	RESERVE	YES	YES	YES	YES	YES
MACG 9393	RESERVE	YES	YES	YES	YES	YES
GVTU 9393	RESERVE	YES	YES	YES	YES	YES
IVTU 0104	RESERVE	YES	YES	YES	YES	YES
AVTU 0493	RESERVE	YES	YES	YES	YES	YES
MATCS-48 DET "B"	RESERVE	YES	YES	YES	YES	YES
MWSS-473	RESERVE	YES	YES	YES	YES	YES
MALS-49/MAG HQ	RESERVE	YES	YES	YES	YES	YES

10b. For each of these other reserve Navy/Marine Corps units at your air station, provide the number of **authorized billets** and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (TAR) Navy reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section.

361 341 1168 90

NR Activity/Unit:	FY 1991				FY 1992				FY 1993			
	Officer		Enlisted		Officer		Enlisted		Officer		Enlisted	
	Auth	Actual	Auth	Actual	Auth	Actual	Auth	Actual	Auth	Actual	Auth	Actual
NR NASC 0993	9	9	0	0	9	9	0	0	9	8	0	0
NR NAF LAJES 0193	4	5	50	49	4	5	50	49	4	5	50	50
NR NORA 1193	4	5	17	24	4	5	17	24	4	5	17	24
NR CVN-71	9	8	109	80	9	8	109	80	7	8	76	62
NR NAS SIGONELLA 0193	5	6	30	33	5	6	30	33	5	6	30	27
NR LANFLTIMAGU 0193	5	5	21	26	5	5	21	26	5	5	21	22
NR PATWING 0593	17	16	5	5	17	16	5	5	17	17	5	3
NR CNAL 0293	12	12	10	9	12	12	10	9	12	13	10	10
NR NAS PAX RIVER 0193	5	6	36	69	5	6	36	69	5	5	36	42
NR NAS BERMUDA 0693	4	8	43	66	4	8	43	66	4	5	43	61
NR NAS WILLOW GROVE	3	3	36	48	3	3	36	48	3	3	36	40
NR NAS KEFLAVIK	14	16	157	103	14	16	157	103	14	16	157	107
NR CMRSF 6TH FLT 0193	9	9	12	15	9	9	12	15	9	9	12	10
NR CV-66	6	7	77	75	6	7	77	75	6	7	77	75
NR NAS GITMO 0193	5	5	10	21	5	5	10	22	5	5	10	10
NR BRANCH MED/DEN CL	13	8	32	56	13	8	32	56	13	8	32	56
NR 4TH MAW MED MAG	10	4	16	10	10	4	16	10	10	4	16	12

NR Activity/Unit:	FY 1991				FY 1992				FY 1993			
	Officer		Enlisted		Officer		Enlisted		Officer		Enlisted	
	Auth	Actual	Auth	Actual	Auth	Actual	Auth	Actual	Auth	Actual	Auth	Actual
NR NAWC AD 0193	14	13	17	15	14	13	17	15	14	13	17	15
NR NAWC AD 0293	14	14	0	0	14	14	0	0	14	14	0	0
NR NAVMIC 0102	17	17	7	11	17	17	7	11	17	17	7	11
NR NAVMIC 2393	30	30	12	9	30	30	12	9	30	30	12	10
NR MARDEZLANT 0102	16	15	16	13	16	15	16	13	16	15	16	13
NR AIC 0593	20	20	25	27	20	20	25	27	20	20	25	27
NR AIC 0693	20	20	22	24	20	20	22	24	20	20	22	24
NR AIC 0393	22	23	20	21	22	23	20	21	22	23	20	21
NR DIAHQ 0193	11	11	7	9	11	11	7	9	11	11	7	9
NR NISRO 0893	15	15	3	3	15	15	3	3	15	15	3	3
NRNISRO 0602	11	10	3	4	11	10	3	4	11	10	3	4
MACG 9393	0	0	0	67	0	0	0	57	0	0	0	56
GVTU 9393	0	72	0	19	0	50	0	10	0	72	0	23
IVTU 0104	0	27	0	0	0	11	0	0	0	11	0	0
AVTU 0493	0	2	0	0	0	2	0	0	0	3	0	0
MATCS-48 DET "B"	3	4	55	43	3	4	55	43	3	4	55	43
MWSS-473	12	9	201	183	12	9	201	183	12	9	201	183
MALS-49/MAG HQ	24	22	170	90	24	22	170	90	24	22	170	90

11. For all reserve units that train at the air station, summarize the average number of candidate reservists on waiting lists for reserve billets (i.e., station/squadron/unit/etc.) during the years indicated.

	Average Personnel on Waiting List		
	FY 1991	FY 1992	FY 1993
Pilot	16	13	20
NFO	10	8	4
Other Officers	0	0	0
Enlisted	0	0	0

TRAINING SUPPORT

12a. Estimate the number of flight operations (take-off, landing, touch and go, and approach without landing) per year at your installation that are needed to maintain required operational readiness by each squadron/unit assigned to the installation. Provide comments on the basis for these values.

Squadron/ Unit	Aircraft Type	Number of Flight Operations/Year*
VMA-131	A4-M, TA-4F	5864
HMH-772	RH-53	3776
111FG	OA-10A	2600
VR-52	C-9B	1000
HSL-94	SH-2G	1500
VP-64	P-3 B/C	2300
VP-66	EP-3J, P3 B/C	2300
913TH AG	C-130E	1500
97TH ARCOM	OH-58 A&C, UH-1H, U21-A	3000

* Data based on Unit Flight Hour Requirement Program.

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

SUA	Location /Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
R-5002	NJ/50	AIR TO GROUND (AG)	108TFG MCGUIRE	VMA-131	AG	67
				HMH-772	ASSUALT SUPPORT AERIAL GUNNERY, NIGHT VISION GOGGLES (NVG)	200
				111FG	SURFACE ATTACK TACTICS	250
				913 AG	AG	637
DUKE MDA	PA/150	AIR TO AIR, REFUELING	STATE COLLEGE AG	111 FG	TACTICAL AIR TRAINING	310
R-4006	MD/120	AIR TO AIR TRAINING	NOO421	111 FG	FUNCTIONAL CHECK FLIGHT	300
				VMA-131	FAMILIARIZATION	170
R-5201	NY/150	AIR TO GROUND	FORT DRUM	111 FG	SURFACE ATTACK, CLOSE AIR SUPPORT	100
R-5802	PA/80	AIR TO GROUND	FORT INDIANTOWN GAP	HMH-772	TERRAIN FOLLOWING/ NVG/CAL	750
				913 AG	AIR DROPS AND SHORT TAKEOFF AND LANDING	20
				111 FG	SURFACE ATTACK TACTICS	200
R-5802	PA/80	AIR TO GROUND		VMA-131	CLOSE AIR SUPPORT TACTICS	67
R-6609	MD/120	AIR TO AIR	N42239	111 FG	MARITIME OPS	120

SUA	Location /Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
				VMA-131	AIR TO GROUND	17
VR-707	PA/90	AIR INTERDICTION	K4FH1Y	VMA-131	AIR INTERDICTION	17
SR800/801	PA, DE, NJ/30	LOW LEVEL	AFRES WILLOW GROVE	111 FG	LOWAT ESCORT	500
VR704/705	PA/150	LOW LEVEL	K4FH1Y	111 FG	LOWAT, SURFACE ATTACK TACTICS	600
				VMA-131	AIR INTERDICTION	34
VR1709	MD/100	AIR INTERDICTION	108ARW MCGUIRE	VMA-131	AIR INTERDICTION	67
VR1711	MD/100	AIR INTERDICTION	113 TFW ANDREWS	VMA-131	AIR INTERDICTION	10
VR1757	PA, MD 100	AIR INTERDICTION	N42239	VMA-131	AIR INTERDICTION	21
W-105	NJ 100	AIR TO AIR	N42239	VMA-131	AIR TO AIR	13
W-107	NJ/80	AIR TO AIR	N42239	VMA-131	AIR TO AIR	25
				VP-64	ASW FLIGHT CREW	60
				VP-66	ASW FLIGHT CREW	60
W-108	NJ/100	AIR TO AIR	N42239	VMA-131	AIR TO AIR	25
NAWC LAKEHURST	NJ/50	AIRPORT TRAFFIC AREA	N48558	HMH-772	CONFINED AREA LANDING	900
					RAPID GROUND REFUELING	80
					EXTERNAL LOAD TRAINING	60
					NVG	350

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

	LOCATION /DISTANCE	TYPES/ USES	SCHEDULING AUTHORITY (UIC)	FISCAL YEAR	SCHEDULED # HOURS	UTILIZED ** # HOURS
R5002	NJ/50	AIR TO GROUND	108 TFG MCGUIRE	1991	1100	1100
				1992	1200	1130
				1993	1200	1154
DUKE MDA	PA/150	AIR TO AIR REFUELING	STATE COLLEGE AG	1991	420	330
				1992	445	265
				1993	410	310
R4006	MD/120	AIR TO AIR/ FCF	NOO421	1991	330	320
				1992	400	470
				1993	500	470
R5201	NY/150	AIR TO GROUND	FORT DRUM	1991	155	100
				1992	110	60
				1993	150	100
R5802	PA/80	AIR TO GROUND	FT INDIANTOWN GAP	1991	1260	435
				1992	1240	1075
				1993	1200	1037
R6609	MD/120	AIR TO AIR	N42239	1991	140	106
				1992	160	100
				1993	160	137

	LOCATION /DISTANCE	TYPES/ USES	SCHEDULING AUTHORITY (UIC)	FISCAL YEAR	SCHEDULED	UTILIZED **
VR707	PA/90	AIR INTERDICTION	K4FH1Y	1991	40	30
				1992	40	30
				1993	30	17
SR800/801	PA, DE, NJ/30	LOWAT ESCORT	AFRES WILLOW GROVE	1991	520	390
				1992	580	410
				1993	560	500
VR704/705	PA/150	LOWAT	K4FH1Y	1991	460	350
				1992	700	505
				1993	750	635
VR1709	MD/100	AIR INTERDICTION	108ARW MCGUIRE	1991	80	65
				1992	80	65
				1993	80	67
VR1711	MD/100	AIR INTERDICTION	113 TFW ANDREWS	1991	30	25
				1992	30	25
				1993	20	10
VF1757	PA, MD 110	AIR INTERDICTION	N42239	1991	25	20
				1992	25	20
				1993	25	21
W105	NJ/100	AIR TO AIR	N42239	1991	25	20
				1992	25	20
				1993	25	13
W107	NJ/80	AIR TO AIR	N42239	1991	170	140
				1992	170	140
				1993	170	145
W108	NJ/100	AIR TO AIR	N42239	1991	50	40
				1992	50	40

	LOCATION /DISTANCE	TYPES/ USES	SCHEDULING AUTHORITY (UIC)	FISCAL YEAR	SCHEDULED	UTILIZED **
				1993	50	25
NAWC LAKEHURST	NJ/50	CAL/NVG EXT	N48558	1991	1000	900
				1992	1000	900
				1993	1000	900

**** Utilization hours less than scheduled due to: 5% Weather, 5% Maintenance.**

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

Same type of airspace usage, only increase in the number and volume of sorties.

12e. Assume that all planned MILCON in PB 1195 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional operating capacity would be realized? Provide cost and details of all additional capacity calculations.

None.

12f. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

None.

12g. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., airspace size/availability, AICUZ restrictions, environmental restrictions, land areas).

The potential growth at NASWG would be limited by the amount of available land on station as well as off station. The demolition/fill-in of existing aged facilities would be required to upgrade/expand the current mission. (i.e. AIMD expansion, hangar demolition, BQ upgrades) The encroachment of the local civilian population on the borders of the station limit future expansion. Increased funding/operations would increase noise and accident potential and the resulting adverse impact on the station's AICUZ efforts. Please refer to question 3d.

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

Yes - 30 percent estimate based on saturation point of overlying and adjacent airspace.

13a. For each **ground/water training facilities/ranges/training areas** routinely used by squadrons/units assigned to your installation (regardless of location¹), indicate how many hours per year are required for each user to maintain readiness?

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
NAVAIRES ASWTRACEN	PA ON BASE	POSITIONAL AND WEAPONS	68819	VP-64/66	2F69E WEAPONS SYSTEM TRAINER	420
		SYSTEM TRAINER		VP-64/66	2F87 OPERATIONAL FLIGHT TRAINER	500
				VP-64//66	14B44/14B53 EW ACOUSTIC TRAINER	600
				VP-64/66	CELESTIAL NAV TRAINER	160
HATFIELD POLICE RANGE	PA/15	SMALL ARMS TRAINING	N/A	VP-66	SMALL ARMS TRAINING	18
				VP-64	SMALL ARMS TRAINING	18
				MAG-49	SMALL ARMS TRAINING	6
				HSL-94	SMALL ARMS TRAINING	12
				NAS WILLOW GROVE	SMALL ARMS TRAINING	96
FT DIX	NJ/50	RIFLE RANGE	FT DIX	MWSS	RIFLE RANGE	84
				HMA/VMA	RIFLE RANGE	84
				MALS	RIFLE RANGE	84

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
AVIATION TRAINING DEPT (ATD)	ON STATION	MOBILIZATION TRAINING	00158	NAS WILL GROVE	AVIATION TRAINING	19,216
NAVAL AVIATION WATER SUVERAL TRAINING PROGRAM	ON STATION	AIRCREW TRAINING	00158	VP-66, VP-64, VR-52, HSL-94, MAG-49	REFREASHER CLASS "F" SCHOOL	1,840
NAVAIRES ASWTRACEN	ON STATION	AIR CREW TRAINING	68819	ALL P3-A/B SQUADRONS	AVIATION TRAINING (CLASSROOM)	603.904
NAVAIRES ASWTRACEN	ON STATION	AIR CREW TRAINING	68819	ALL P3-A/B SQUADRONS	WEAPONS SYSTEMS TRAINING	25.980
NAVAIRES ASWTRACEN	ON STATION	AIR CREW TRAINING	68819	ALL P3-A/B SQUADRONS	OPERATIONAL FLIGHT TRAINING	13.850
NAVAIRES ASWTRACEN	ON STATION	AIR CREW TRAINING	68819	ALL P3-A/B SQUADRONS	ACOUSTIC POSITION TRAINING	16.176

13b. For each ground/water training facility/range/training area listed above, complete the following table:

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Fiscal Year	Scheduled	Utilized ¹
					# Hours	# Hours
NAVAIRES ASWTRACEN	PA/ON STATION	CLASSROOM TRAINING	68819	1991	15,000	14,850
				1992	12,500	12,375
				1993	12,000	11,500
HATFIELD POLICE RANGE	PA/15	SMALL ARMS TRAINING	N/A	1991	150	146
				1992	150	150

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Fiscal Year	Scheduled	Utilized ¹
					# Hours	# Hours
				1993	150	150
FT DIX	NJ/50	RIFLE RANGE		1991	250	250
				1992	252	245
				1993	252	245
ATD	ON STATION	AIRCREW TRAINING	00158	1991	11,856	11,856
ATD	ON STATION	AIRCREW TRAINING	00158	1992	15,936	15,936
ATD	ON STATION	AIRCREW TRAINING	00158	1993	19,216	19,216
NAWSTP	ON STATION	REFRESHER CLASS	00158	1991	1,616	1,616
NAWSTP	ON STATION	REFRESHER CLASS	00158	1992	1,840	1,840
NAWSTP	ON STATION	REFRESHER CLASS	00158	1993	1,660	1,660
NTGD	ON STATION	MAINTENANCE TRAINING	00158	1991	23,896	18,488
NTGD	ON STATION	MAINTENANCE TRAINING	00158	1992	24,372	16,672
NTGD	ON STATION	MAINTENANCE TRAINING	00158	1993	20,854	13,572
NAVAIRES ASWTRACEN	ON STATION	AVIATION TRAINING	68819	1991	6,764	6,684
NAVAIRES ASWTRACEN	ON STATION	AVIATION TRAINING	68819	1992	7,140	* 8,263
NAVAIRES ASWTRACEN	ON STATION	AVIATION TRAINING	68819	1993	10,960	*12,171

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

Note: 10%, on average cancelled due to maintenance.

13c. Assuming that the ground training facility/range/training areas are not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc. , what **additional capacity** (beyond scheduled) could be gained? Provide details and assumptions for all calculations.

NAVAIRESASWTRACEN: A 30% increase in all areas could be obtained with a 15% increase in manning and a 50K increase in trainer budget.

13d. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional capacity** would be realized? Provide cost and details of all additional capacity calculations.

None.

13e. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

NASWG: Water Survival Training Pool - \$700K

NAVAIRESASWTRACEN: H-2G Simulator Trainers (8K SF Building and \$4M Trainer).

13f. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., zoning restrictions, lack of available space,etc.).

The potential growth at NASWG would be limited by the amount of available land on station as well as off station. The demolition/fill-in of existing aged facilities would be required to upgrade/expand the current mission. (i.e. AIMD expansion, hangar demolition, BQ upgrades) The encroachment of the local civilian population on the borders of the station limit future expansion. Increased funding/operations would increase noise and accident potential and the resulting adverse impact on the station's AICUZ efforts. Please refer to question 3d.

14a. By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-XX and 179-xx CCN's.

**CCN: 171-15
RESERVE PROGRAMS 140A**

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
ACADEMIC TRAINING FACILITY	AVIATION TRAINING DEPARTMENT	AVIATION COURSES	654	29.30	19216	700	32	20,000
MAINTENANCE TRAINING	NAVAL MAINTENANCE TRAINING DEPARTMENT	AVIATION COURSES	150	40	6000	165	40	6,500

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

**CCN: 171-20
RATCEN 140**

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
R-2A-6000	P-3PPC	FLIGHTCREW	8	80	640	8	80	640
R-2A-6002	P-3 PP2P	FLIGHTCREW	8	80	640	8	80	640
R-20-1101	P-3C NAV/COMM	FLIGHTCREW	16	80	1280	8	80	640
R-20-1102	P-3C TACCO	FLIGHTCREW	13	80	1040	8	80	640
R-20-6005	FOREIGN MILITARY NFO TRAINING	FLIGHTCREW	2	80	160	0	0	0
R-20-6011	FOREIGN MILITARY NFO TRAINING	FLIGHTCREW	2	80	160	0	0	0

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
R-20-6015	BASIC CELESTIAL NAV	FLIGHTCREW	6	80	480	8	80	640
R-20-6007	P-3 INST PILOT SEMINAR	FLIGHTCREW	48	20	960	50	20	1000
R-20-6020	P-3 MISSION COMMANDER	FLIGHTCREW	12	40	480	16	40	640
R-2G-6001	MARITIME INDOC	FLIGHTCREW	44	40	1760	40	40	1600
R-2G-6003	TACTICAL SUPPORT ETR WATCH OFFICER	FLIGHTCREW	4	80	320	16	80	1280
R-2G-6016	FOREIGN MILITARY STUDENT TRAINING	FLIGHTCREW	16	120	1920	20	120	2400
R-050-1102	P-3C SECOND TOUR SS-3	FLIGHTCREW	4	120	480	0	0	0
R-050-1101	P-3C SECOND TOUR ACOUSTIC	FLIGHTCREW	16	80	1280	16	80	1280
R-050-1140	P-3C FLIGHT CREW ORDNANCE	FLIGHTCREW	7	80	560	8	80	640
R-050-1150	P-3B OBSERVER	FLIGHTCREW	24	80	1920	0	0	0

CCN: 171-20
 NAMTRA 601

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
R-050-1151	P-3C OBSERVER	FLIGHTCREW	26	80	2080	40	80	320
R-050-6140	P3 FLIGHT ENGINEER	FLIGHTCREW	20	400	8000	20	400	8000
R-050-6141	P-3 INSTRUCTOR FLIGHT ENGINEER	FLIGHTCREW	11	120	1320	16	120	1920
R-050-6125	P-3C CONVENTIONAL WEAPONS 640	FLIGHTCREW	44	80	3520	45	80	3600
R-210-6123	TSC ANALYSIS WATCHSTANDER	FLIGHTCREW	8	80	640	16	80	1280
R-210-6105	ADVANCED ELECTRONIC WARFARE	FLIGHTCREW	10	80	800	16	80	1280
R-210-6122	BASIC ACOUSTIC ANALYSIS	FLIGHTCREW	37	80	2960	40	80	3200
R-210-6104	ADVANCED ACOUSTICS	FLIGHTCREW	7	80	560	12	80	960
R-210-6113	TSC OPCON WATCHSTANDER	FLIGHTCREW	15	80	1200	20	80	1600
R-210-6208	P-3C NON-ACOUSTIC OPERATOR	FLIGHTCREW	12	80	960	16	80	1280
R-210-6110	P-3C OBSERVER COMMON CORE	FLIGHTCREW	12	40	480	20	40	800
R-210-6225	AQA-7 OPERATOR PROFICIENCY	FLIGHTCREW	8	40	320	16	40	640
R-602-6264	P-3 ELECTRICAL SYSTEM PIPELINE	FLIGHTCREW	16	240	3840	24	240	5760
R-600-6126	A3 SYSTEM FAM	FLIGHTCREW	36	80	2880	40	80	320

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
R-210-6204	P-3C FIRST TOUR ACOUSTIC OPERATOR	FLIGHTCREW	14	280	3920	20	280	5600
R-050-0001	RESERVE OPERATIONS AIRCREW ADMIN	FLIGHTCREW	50	80	4000	40	80	3200

CCN: 171-35

RESERVE PROGRAMS 140A

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
FLIGHT TRAINER INSTRUCTOR FAM		FLIGHTCREW	16	16	256	20	16	320
R-051-0002	TACTICAL PROFICIENCY COURSE	FLIGHTCREW	20	40	800	24	40	960
P-3C WEAPON SYSTEM TRAINING QUALIFICATION EXERCISES		FLIGHTCREW	250	5	1250	300	5	1500
P-3C OPERATIONAL FLT TRAINER PERIODS		FLIGHTCREW	200	4	800	225	4	1000
14B44 ACOUSTIC TRAINER		FLIGHTCREW	183	4	732	200	4	800
H2 FLIGHT TRAINER		FLIGHTCREW	243	4	972	225	4	900

* 1. Column A reflects the actual number of Weapons Trainer (WST) periods utilized by squadrons for advanced qualifications and/or training, every WST period has a minimum of 65 students, (column A = 1500/column C = 7500).

* 2. Column A reflects the actual number of OFT periods utilized by squadrons for NATOPS evaluation flights and/or training. Every OFT period has a minimum of 4 students. (column A=800/column c=3200)

* 3. Column A = 732/Column C = 2938

* 4. Column A = 486/Column C = 1944

14b. By Category Code Number (CCN), complete the following table for all **training facilities** aboard the installation. Include all 171-xx, 179-xx CCN's.

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

CCN: 171-15

Type Training Facility	Total Number	Design Capacity (PN) ¹	Capacity (Student HRS/YR) ²
RESERVE PROGRAMS 140A	7	140	358,400
HANGAR 80 NORTH LEAN TO	6	120	288,000
79TH ARCOM BLDG 176	2	50	120,000

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

² Design how the student HRS/YR value in the preceding table was derived..

CCN: 171-20

Type Training Facility	Total Number	Design Capacity (PN) ¹	Capacity (Student HRS/YR) ²
1. RATCEN BLDG 140	13	224	603,904
2. NAMTRA BLDG 601	10	160	384,000

CCN: 171-35 (SIMULATORS)

Type Training Facility	Total Number	Design Capacity (PN) ¹	Capacity (Student HRS/YR) ²
1. P3C WEAPONS SYSTEM TRAINER	1	337 DAYS AVAL AT 2.57 PDS	866/25,980
2. P3C OPERATIONAL FLIGHT TRAINER	1	337 DAYS AVAIL AT 2.57 PDS	866/13,856
3. 14B44 ACOUSTIC POSITION TRAINER	1	337 DAYS AT 2 PDS PER DAY	674/16,176

14c. Assuming that the ground school training facility is not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc, what additional capacity (in student hours/yr) could be gained? Provide details and assumptions for all calculations.

No additional capacity could be achieved over what is listed in question 14b.

14d. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc. cannot overcome.

1. 224 is total seats available from 13 classrooms (not including trainers) and 603,904 is based upon 337 days times 8 hours per period.

2. 337 is number of WST periods per year (including periods used by squadrons and for formal training courses) with an average of 2.57 periods per day. 866 equals 337×2.57 and 25,980 is 866 times 6 students per WST period times 5 hours per WST period.

3. 13,856 is 866 times 4 students per period times 4 hours per period.

4. 16,176 is 337 times 6 students per period times 4 hours per period.

14e. For facilities with category codes 171-xx, 179-xx, and any other CCN's, provide the amount of adequate, substandard and inadequate facilities in terms of square feet and number of students.

Parent UIC	CCN	Facility Type	Adequate		Substandard		Inadequate		Total	
			SF	PN	SF	PN	SF	PN	SF	PN
N00158	171-15	RESERVE PROG 140A	13080	140	0		0		13080	140
N00158	171-15	ARCOM 176	45670	320	0		0		45670	320
N00158	171-15	HANGAR 80	6825	120	0		0		6825	120
N00158	171-20	RATCEN 140	42596	358	0		0		42596	358
N00158	171-20	NAMTRA	18024	166	0		0		18024	166
N00158	171-35	RATCEN 140B	1184	523	0		0		1184	523

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

SHIP BERTHING CAPACITY

Note: Items 15 a through h are "Not Applicable" at NASWG.

FACILITIES

16a. Using the types (and mix) of aircraft currently stationed at your installation, project the additional number of these aircraft (maintain approximate current mix/ratio of A/C) that could be based and parked on your current parking aprons.

Provide two estimates:

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

Aircraft Type	Current # of Aircraft Parked/Stationed	Maximum Additional Capacity (# of Aircraft)		Total	
		NAVFAC	Surge	NAVFAC	Surge
C-9	3	1	2	4	5
P-3	15	2	5	17	20
SH-2G	6	2	4	8	10
RH-53	8	4	5	12	13
A-4M	10	3	5	13	15
TA-4F	2	2	3	4	5
OH-58	6	0	2	6	8
UH-1H	24	0	5	24	29
U21-A	8	0	3	8	11
C-12B	1	1	2	2	3

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

Maximum additional capacity using NAVFAC standards was calculated based on no additional airfield waivers nor the use of taxiway aprons. It assumes A-4 parked on a 45 degree angle and all other aircraft parked on a 90 degree angle. the additional capacity derived was from taking full advantage of P-80 criteria allowing hangar capacity to be counted as a percentage of total aircraft parking. Surge capacity was calculated assuming parking on existing taxiway aprons and also assumes a waiver for not adhering to the 7:1 transitional slope.

16b. List current usage of parking apron area in SF, being used by the following categories of Squadron/Aircraft. The six categories listed correspond to the categories described above in questions 5 ,6, 7, 8, 9, and 10. Category Code Number (CCN) from P-80. Provide an estimate for FY 2001.

Parking Apron Location/ Designator	Apron Area in SF (CCN 113-20) and Apron Access Area in SF (CCN 113-40)					
	Active SQD/Det A/C	Reserve SQD/Det A/C	USN/USMC Station A/C	DoD or non-DoD A/C	Other USN(R) USMC(R), DoD/non-DOD	Other units not covered and transient A/C
HANGAR 175/P-3		1,120,000				
HANGAR 80/680		826,000				
HANGER 177/ARMY				180,000		
Column totals		1,946,000		180,000		

16c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional parking capacity would be realized? Provide cost and details of all additional capacity calculations.

None.

16d. What additional projects could be added to provide parking space? At what estimated cost? Provide details and assumptions for all calculations.

Various projects could be completed to provide aircraft parking space. P-206, an unprogrammed MCNR project proposes construction of 42,600 sq of apron adjacent to our southern-most parking apron. Projected cost is \$4M, however, this project requires the purchase of additional land. Other potential projects could be developed to construct aircraft parking adjacent to existing taxiway Juliet, Golf and Kilo. This would allow construction on existing Xray property. Potentially 55,000 sq of additional parking could be constructed at an estimated cost of \$5M.

16e. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, etc.).

The main limiting factor preventing unconstrained growth would be available land. Although some existing land is available for growth, the acquisition of additional land would be needed for substantial growth. AICUZ and environmental restrictions are not significant factors constraining growth except as previously noted..

17a. List the hangars at the air station. Identify by (P-80) type, year built, dimensions.

Hangar ID/#	Type I, II or (O)ther	Year Built	Hangar Deck Dimensions	Limiting Height	Current Usage	In SF			
						Adequate	Substandard	Inadequate	Total
80	0	1954	240 X150	64'	C-9/SH-2G	114,874			114,874
175	II	1977	480 X115	54'	P-3	107,768			107,768
680	I	1989	288 X100	45'	A-4/H-53	54,720			54,720
177	0	1977	200 X 77	50'	OH-58/ UH-1/U-21	18,950			18,950

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

17b. For each hangar provide space allocation information listed in table below. Indicate if OPS/ADMIN space is in a non-contiguous building, Provide subtotal for each hangar.

Hangar #/ID/ Type	SQD/Mod# Assignment ¹	Ops + Admin Spaces SF/ Module	Maint Shops SF/ Module (O Level)	Hangar Deck SF/Module	A/C Line parking spaces ^{2,3}		
					#/ Module	SF	Elec. Pwr.
175	VP-64	12,662	12,662	28,560	8	560,000	N
175	VP-66	12,662	12,662	28,560	8	560,000	N
Subtotal		25,324	25,324	57,124	16	1,120,000	
680	VMA-131	6,480	6,480	14,400	12	220,250	N
680	HMH-772	6,480	6,480	14,400	8	330,400	N
Subtotal		12,960	12,960	28,800	20	550,650	
80	VR-52	5,190	1,000	8,560	3	206,500	N
80	HSL-94	7,630	4,400	8,560	4	68,800	N
Subtotal		12,820	5,400	17,120	7	275,300	
177	97th ARCOM	1,000	2,584	15,366	17	180,000	N

¹ Provide which SQD/Det was assigned to the specific module at receipt of this Data Call. (i.e., VFA-15, Hgr 1, Mod C)

² Dedicated aircraft parking spaces per Module and total square feet (SF) of A/C line parking spaces

³ Are there A/C line parking spaces supported by permanently installed electric power? (Y/N)

17c.. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional hangar capacity would be realized? Provide cost and details of all additional capacity calculations.

None.

17d. What additional projects could be added to provide more hangar space? At what estimated cost? Provide details and assumptions for all calculations.

Although there are no projects to provide more hangar space in the station's current Master Plan, additional hangar space could be constructed on the western side of the base adjacent to taxiways Golf or Juliet. Space exists for potentially two hangars one type I and one type II at an estimated cost of \$10-15M each.

17e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, lack of expansion space, etc.).

As with parking aprons the main limiting factor for hangar construction would be available space. Although some space exists on the western side of the station, that side of the station has very limited infrastructure which would increase construction cost.

17f. List all **squadrons/detachments** normally homeported at this air station that were deployed and **not assigned** hangar/maintenance spaces at receipt of this data call.

Squadron/Detachment	#/Type Aircraft	Deployed Location
NONE		

17g. List all **squadrons/detachments** normally homeported at this air station that were deployed and **were assigned** hangar/maintenance spaces at receipt of this data call.

Squadron/Detachment	#/Type Aircraft	Hanger Module Assignment
NONE		

17h. Using the types (and mix) of **aircraft** currently stationed at your installation, project the maximum additional number of these aircraft (maintain approximate current mix/ratio of A/C) that could be housed and maintained in your **current hangars**. Provide two estimates:

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

Aircraft Type	Current # of Aircraft Parked/Stationed	Maximum Additional Capacity (# of Aircraft)		Total (Current + Additional)	
		NAVFAC	Surge	NAVFAC	Surge
P-3B/C	15/4	0	0	15/4	15/4
UC-12B	1/1	0	1	2/2	2/2
SH-2G	6/6	0	4	6/6	10/10
A4-M	12/12	0	0	12/12	12/12
C-9B	4/1	0	0	4/1	4/1
RH-53	8	0	0	8/8	8/8

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

All aircraft except 11 P-3B/C (15 a/c - 4 hangared) and 3 C-9B (4 a/c - 1 hangared) can be accomodated with current hangar space.

18. Do you have any of the following special use facilities at the Air Station?

CCN	Type of Facility	In SF				# of Units	Year Built
		Adequate	Sub-standard	In-adequate	Total		
211-01	Aircraft Acoustical Enclosure						
211-02	Nose Hangar						
211-03	Corrosion Control Hangar						
211-75	Parachute/Survival Equipment Shop	1,776			1,776		1954
211-81	Engine Test Cell						
211-88	Power Check Pad with Sound Suppression						
211-89	Power Check Pad without Sound Suppression	9,000			9,000		1961
211-96	Maintenance, Aircraft Spares Storage						
116-10	Airfield Washrack Pavement	20,997			20,997		
116-15	Aircraft Rinse Facility						
214-30	Refueling Vehicle Shop						
218-60	Aircraft Ground Support Equipment	10,117			10,117		1992
	Other						

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

19a. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be supported with your present AIMD/MALS facility.

Aircraft Type	Current # of Aircraft	Additional # of Aircraft	Total
UC-12B	1	1	2
SH-2G	8	4	12
P-3C	15	6	21
A-4M	10	0	1
TA-4F	2	0	2
RH-53D	8	4	12
EP-3J	2	2	4
C-9B	4	0	4

Provide the basis (including source data) of your calculations in detail. Include limiting factors.

19b. Describe any aviation maintenance backlogs that the station currently experiences on a routine basis. List the average backlog times and the reasons for the backlogs (e.g. supply shortfall, insufficient local labor, over tasking of work stations, space limitations).

None.

19c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional maintenance capacity would be realized? Provide cost and details of all additional capacity calculations.

None.

19d. What additional projects could be added to provide additional maintenance capacity? At what estimated cost? Provide details and assumptions for all calculations.

Additional capacity could be achieved, however this would require expansion of current AIMD facility and associated increase in other support functions i.e. BQ facilities, messing, parking.

Changing to a 24 hour, three shift and an additional 30% increase in manning would accomplish the additional aircraft support in paragraph 9a. however, ramp and hangar limitations mentioned earlier could not support increase.

19e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, etc.).

Same limiting factors as previously listed apply.

20a. For the following **aircraft support facility** category codes, provide the amount of adequate substandard, and inadequate facilities.

CCN	Facility Type	Unit of Measure	Adequate	Substandard	Inadequate	Total	Number of Units
111-20	Landing Pads	SF					
121-10	Direct Fueling	OL/GM					
124-30	Fuel Storage	GA		420,000		420,000	
421-xx	Ammunition Storage	CF/TONS	29872 cf				
425-xx	Open Ammunition Storage	SF					
113-20	Parking Aprons	SF	2,525,337			2,525,337	
113-40	Access Aprons	SF	37,746			37,746	
116-56	Combat Aircraft Ordnance Loading Area	SF					
	Other						

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

20b. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

None.

20c. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

Operating capacity is not presently constrained by aircraft support facilities. Additional projects would not be required unless aircraft loading was increased.

20d. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., environmental restrictions, land areas, etc.).

Existing land is the main limiting factor for further growth. Environmental restrictions around the present ammunition storage area would also restrict significant growth.

21a. Indicate the **aviation support equipment storage** requirements for **FY1994** by completing the following table. Do not repeat storage of equipment in hangars discussed in questions 17 and 18.

Squadron/Det	Open Storage Reqt/Laydown(SF)	Covered Storage Reqt/Laydown(SF)	General Characterization of Equipment/Supplies stored
NASWG	6270	27,880	Various Support Equipment
MAG-49	2053	18,225	Various Support Equipment

21b. Indicate the aviation support equipment storage requirements for FY2001 by completing the following table. Do not repeat storage of equipment in hangars discussed in questions 17 and 18.

Squadron/Det	Open Storage Reqt/Laydown(SF)	Covered Storage Reqt/Laydown(SF)	General Characterization of Equipment/Supplies stored
AIMD-SE	31,680	7,047	Aviation Support Equipment
AIMD-IMRL	50,752	2,000	IMRL Inventory

21c. Utilizing the general supply storage category codes listed in the following table, provide the amount of space available, under your plant account, presently classified as adequate, substandard, and inadequate.

CC N	Facility Type	Ave Age	Unit Measure	Adequate	Substandard	Inadequate	Total
441-xx	General Supply Storage-Covered	30	SF	33,024			33,024
451-xx	General Supply Storage - Open	15	SY	7,178			7,178

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

21d. List off base storage areas utilized due to lack of sufficient storage facilities on station to support aviation support unit equipment/supplies storage needs.

Squadron/Det	Storage: (O)pen or (C)overed	Laydown: SF	Location	Navy (O)wned or (L)eased
Not Applicable				

22. In the following table, indicate the space and condition for each **specific facility** category codes indicated. Many of the P-80 Category Code Numbers (CCN's) have assets that are reported in units of measure other than square feet (SF). The only unit of measure desired for this Data Call is SF. Only report the assets in each CCN that are normally reported in SF.

Building Type	NAVFAC (P-80) CCN	Installation space (SF)			
		Adequate	Sub- standard	In- adequate	Total
Production Facilities	220-xx	383,977			383,977
RDT & E Facilities	300-xx	0			0
Supply Facilities	400-xx	45,602			45,602
Hospital, Medical, Dental	500-xx	8,748			8,748
Administrative Facilities	600-xx	62,747			62,747
Utilities/Grounds Improvements	800-xx	24,897			24,897
	TOTAL	527,171			527,171

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

23a. Provide the following information on base infrastructure capacity and load.

	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)		7000KW	3600KW	4800KW
Natural Gas (CFH)		AS REQUIRED	10,000 CFH	20,000 CFH
Sewage (GPD)	1 MILLION GPD		180,000 GPD	250,000 GPD
Potable Water (GPD)	700,000 GPD		200,000 GPD	300,000 GPD
Steam (PSI & lbm/Hr)	15PSI/70,000 LBS/HR 50PSI/13,800 LBS/HR FOR SOUTH END		30,000 LBS/HR	35,000 LBS/HR
Long Term Parking	1264 spaces		1,000 spaces	1,200 spaces
Short Term Parking	2000 spaces		0 spaces	2000 spaces

23b. Does the current base infrastructure (i.e., utilities, parking), combined with any upgrades/expansions budgeted through FY1997, or BRACON scheduled through FY1999 provide additional capacity? Explain what additional capacity would be gained.

None.

23c. How will future requirements (both environmental and base loading) on existing facilities (i.e. sewage treatment, water treatment, etc) impact the base infrastructure capacity in FYs 1995 through FY2001? Explain, including an estimate of the adjusted future capacity.

Future requirements will not impact base infrastructure capacity. Demand will not exceed capacity.

24. Provide the maintenance, repair, and equipment expenditure data. Project expenditures to FY97. Do not include data on Detachments who have received this Data Call directly. The following definitions apply:

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

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

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

UIC 00158

Fiscal Year	MRP (\$M)	CPV (\$M)	ACE (\$M)
FY1985	2.1*	189.2	15
FY1986	2.1*	193.1	17
FY1987	2.1*	194.5	18
FY1988	2.5 5.43	220.0	19
FY1989	2.5 7.08	220.4	20
FY1990	2.8 10.51	237.3	21
FY1991	2.9 8.55	237.9	23
FY1992	2.9 3.37	242.1	24
FY1993	3.4 6.79	252.1	26
FY1994 ^{let}	2.1 4.93	252.1	27
FY1995	2.1 8.34	252.1	28
FY1996	2.1 3.50	252.1	31
FY1997	2.1 3.50	252.1	35

ac
 CNRF
 821 26 MAY 99 47
 * M1+R1 ONLY
 M2+R2 FOR YRS
 PRIOR TO FY 88
 NOT AVAILABLE.

25a. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Facility Type, Bldg. #	CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
				Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BOQ G 5	724-11	53	53					53	11,660
	724-12	15	15	15	6000				
BEQ BLD G 609	721-11	176	88	176	17,688				
	721-12	32	32	32	6,432				
	721-13	9	9	9	3,618				
BEQ BLD G 172	721-11	100	50	100	12,800				
	721-12	14	14	14	3,584				
	721-13	8	8	8	2,048				

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

- a. FACILITY TYPE/CODE: BOQ/724-11
- b. WHAT MAKES IT INADEQUATE? LATEST CNO CRITERIMON ROOM SIZES AND LACK OF PRIVATE HEAD.
- c. WHAT USE IS BEING MADE OF THE FACILITY? BOQ
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? NEW CONSTRUCTION REQUIRED.
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? TRANSIENT BEQ.
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: NONE.
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? NO.

25b. Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
NONE								

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

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

25c. What additional BOQ/BEQ requirements, if any, in FY 2001 have been identified as a result of BRAC I, II, & III and non-BRAC realignments, which are not reflected in the table above.

NONE.

26a. For military married **family housing** assigned to your plant account provide the following information:

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	2	2	0	0
Officer	3	4	4	0	0
Officer	1 or 2				
Enlisted	4+				
Enlisted	3				
Enlisted	1 or 2				
Mobile Homes					
Mobile Home Lots					

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?

26b. What **additional family housing requirements**, if any, in FY 2001 have been identified as a result of BRAC I, II, III and non-BRAC realignments?

As a result of BRAC, 207 units (199 enlisted-8 officers) will be transferred to NAS Willow Grove. Currently they are under the control of NAWC Warminster. However, NAS Willow Grove personnel currently reside there.

27. For personnel assigned to your base and tenant activities who live in **government quarters other than yours**, within the commuting area, indicate the plant account holder UIC for their quarters.

NAS Willow Grove personnel live in quarters at NAWC AD Warminster (62269) and FT Dix, NJ (W1DCAA).

28a. Provide data on the messing facilities assigned to your current plant account.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
722-10 BLDG 626	14,250	220	14,250					220

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?

28b. Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
NONE								

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

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

28c. What additional messing requirements, if any, in FY2001 have been identified as a result of BRAC I, II, and III and non-BRAC realignments, which are not included in the table above.

NONE.

29a. Real Estate Resources. Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site, i.e., main base, outlying airfields, special off-site areas, etc. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" areas that are restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).

Real Estate Resources

Site Location: **NASWG**

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	4.83	0	0	4.83
Operational	24.6	0	4.0	20.6
Training	1.7	0.6	0	1.1
Supply & Storage	1.6	0	0	1.6
Admin	4.34	1.02	0	3.32
Housing	19.34	9.67	0	9.67
Recreational	11.07	5.04	0	6.03
Total:	67.48	16.33	4.0	47.15

29b. Identify the features of this air station that make it a strong candidate for basing/training other types of aircraft/aircrews and other operational units in the future.

30. WEAPONS AND MUNITIONS: Please answer the following questions if your activity performs any stowage or maintenance on any of the following ordnance commodities types:

Ordnance Commodity Types		
Mines	Threat	Other Threat
Torpedoes	Surface Launched	Air Launched

30a. Provide present and predicted inventories (coordinate with inventory control manager) and maximum rated capability of all stowage facilities at each weapons storage location controlled by this activity. In predicting the out year facility utilization, distribute overall ordnance compliment to the most likely configuration. The maximum rated capability is also an out year projection taking into account any known or programmed upgrades that may increase current stowage capacity. When listing stowage facilities, group by location (e.g. main base, outlying field, special area).

Total Facility Ordnance Stowage Summary

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM RATED CAPABILITY	
	TONS	SQ FT	TONS	SQ FT	TONS	SQ FT
BLDG 165	22.3	1250	22	1250	PHYSICAL CAPACITY	1250
BLDG 166	25.8	1250	25	1250	PHYSICAL CAPACITY	1250
BLDG 173	1.1	100	1	100	PHYSICAL CAPACITY	100
BLDG 87	.5	48	.5	48	PHYSICAL CAPACITY	48
BLDG 54	4.5	686	4	686	PHYSICAL CAPACITY	686
TOTAL	54.2	3184	52.5	3184		3184

30b. For each Stowage facility identified in question 1.1 above, identify the type of facility (specify if "igloo", "box", etc.). Identify the type of ordnance commodity (from the list above) which are currently stowed in that facility and all other ordnance types which, given existing restrictions, could be physically accommodated in that stowage facility. Specify below if such additional accommodation would require a modification of the facility (e.g. enhanced environmental controls, ESQD waiver).

● Identify the reason(s) for which this ordnance is stored at your facility from the following list: own activity use (training); own activity use (operational stock); Receipt/Segregation/Stowage/Issue (RSSI); transshipment/awaiting issue; deep stow (war reserve); deep stow (awaiting Demil); other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Total Facility Ordnance Stowage Summary

Facility Number/Type	Currently Stowed Commodity Type(s)	Reason for Stowage at your Activity	Commodity Type(s) Which Can Be Stowed
BLDG 165	TRAINING RSSI	SUPPORT TENANT COMMANDS	TRAINING RSSI
BLDG 166	TRAINING RSSI	SUPPORT TENANT COMMANDS	TRAINING RSSI
BLDG 173	TRAINING RSSI	SUPPORT TENANT COMMANDS	TRAINING RSSI
BLDG 87	TRAINING RSSI	SUPPORT TENANT COMMAMDS	TRAINING RSSI
BLDG 54	TRAINING RSSI	SUPPORT TENANT COMMANDS	TRAINING RSSI
BLDG 55	TRAINING RSSI	SUPPORT TENANT COMMANDS	TRAINING RSSI

30c. Identify the rated category, rated NEW and status of ESQD arc for each stowage facility listed above.

Facility Rated Status

Facility Number / Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y / N)	Waiver (Y / N)	Waiver Expiration Date
BLDG 165	1.3	PHYSICAL CAPACITY	Y		
BLDG 166	1.3	PHYSICAL CAPACITY	Y		
BLDG 173	1.3	PHYSICAL CAPACITY	Y		
BLDG 87	1.2	PHYSICAL CAPACITY	Y		
BLDG 54	INERT	PHYSICAL CAPACITY	Y		
BLDG 55	INERT	PHYSICAL CAPACITY	Y		

30d. Identify any restrictions which prevent maximum utilization of your facilities. If restrictions are based on facility conditions, specify reason, the cost to correct the deficiency, and identify any programmed projects that will correct the deficiency and/or increase your capability.

None.

30e. Identify if your activity performs any of the following functions on any of the ordnance commodities previously listed. Technical support includes planning, financial, administrative, process engineering and SOP support. Within each related function identify each ordnance commodity type for which you provide these services and the total Direct Labor Man Hours (DLMHs) expended (FY 1994); identify only those DLMHs expended by personnel under your command.

N/A

Related Ordnance Support

Related Functions	Performed? (Y / N)	Type of Commodity	DLMHs
Maintenance (specify level)	N		
Testing	N		
Manufacturing	N		
Outload	N		
Technical Support	N		

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

NEXT ECHELON LEVEL (if applicable)

J. D. OLSON II, RADM, USNR

NAME (Please type or print

Commander, Naval Air Reserve Force

Title

COMNAVAIRESFOR New Orleans, LA

Activity

Signature

Date

J. D. Olson II
5/25/94

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print

Title

Activity

Signature

Date

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

MAJOR CLAIMANT LEVEL

T. F. HALL, RADM, USN

NAME (Please type or print

Commander, Naval Reserve Force

Title

COMNAVRESFOR Washington D. C.

Activity

Signature

Date

T. F. Hall
5/31/94

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

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

J. B. Greene, JR
NAME (Please type or print

ACTING
tle

Signature

Date

J. B. Greene Jr.
2 JUN 94

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

CAPT E. L. LEKBERG, USNR
NAME (Please type of print)

E L Lekberg
Signature

COMMANDING OFFICER
Title

18 MAY 94
Date

NAVAL AIR STATION, WILLOW GROVE
Activity

23

**MILITARY VALUE ANALYSIS:
DATA CALL WORK SHEET FOR
OPERATIONAL/RESERVE AIR STATION: Naval Air Station Joint Reserve Base
Willow Grove, PA**

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

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

AIR STATION	TITLE	LOCATION
AIR STATION	NORFOLK	NORFOLK, VA
AIR STATION	JACKSONVILLE	JACKSONVILLE, FL
AIR STATION	OCEANA	VA BEACH VA
AIR STATION	KEY WEST	KEY WEST FL
AIR STATION	BRUNSWICK	BRUNSWICK ME
NAS/MCAS	MIRAMAR	SAN DIEGO CA
MC AIR STATION	CHERRY POINT	CHERRY POINT NC
MC AIR FACILITY	KANEOHE BAY	KANEOHE BAY HI
MC AIR STATION	YUMA	YUMA AZ
MC AIR STATION	BEAUFORT	BEAUFORT SC
MC AIR STATION	NEW RIVER JAX	JACKSONVILLE NC
MC AIR STATION	CAMP PENDLETON	CP PENDLETON CA
AIR STATION	NORTH ISLAND	SAN DIEGO CA
AIR STATION	WHIDBEY ISLAND	OAK HARBOR WA
AIR STATION	LEMOORE	LEMOORE CA
AIR STATION	FALLON	FALLON NV
AIR STATION	ADAK	ADAK AL
AIR FACILITY	EL CENTRO	EL CENTRO CA
RESERVE AIR STATION	S. WEYMOUTH	S. WEYMOUTH MA
RESERVE AIR STATION	NEW ORLEANS	NEW ORLEANS LA
RESERVE AIR FACILITY	WASHINGTON	WASHINGTON D.C.
RESERVE AIR STATION	ATLANTA	ATLANTA GA
RESERVE AIR STATION	FORT WORTH	FORT WORTH TX
RESERVE AIR STATION	WILLOW GROVE	WILLOW GROVE PA
NAVAL STATION	MAYPORT	JACKSONVILLE FL
NAVAL STATION	ROOSEVELT ROADS	ROOSEVELT ROADS PR

Data for Military Value Analysis

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Mission Requirements

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

Table 1.1 Transient Aircraft

Types of Aircraft/Unit. Name/T/M/S	Description of Frequency, Quantity and Primary Mission
A-4 42	Daily, 1,740 transient aircraft (a/c) serviced in FY-93, averaging 145 a/c per month. Primary missions of flight training and logistical support.
TA-4 7	
C-12 17	
C-130 6	
C-9 13	
C-20 3	
F-14 15	
F-15 8	
F-16 7	
F-18 40	
AV-8 10	
A-10 12	
H-2 3	
H-53 12	
H-60 20	
OV-10 1	
S-2 1	
S-3 4	

Types of Aircraft/Unit. Name/T/M/S	Description of Frequency, Quantity and Primary Mission
T-2 10	
T-38 13	
T-44 6	
E-2 4	
EA-6B 3	
B-727 1	

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

Table 2.1 Training Management

Managed Training Assets	Management Role
None	

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

Table 2.2 Other Installations

Installation	Agency	Reason for Consideration
N/A		

General Military Support

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

No.

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

No.

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

No.

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

Naval Air Station Joint Reserve Base Willow Grove (NAS JRB Willow Grove) is the Echelon IV administrative manager for 38 Echelon V Naval Reserve units. As such, NAS JRB Willow Grove plans, coordinates and accomplishes mobilization processing for over 1,900 Naval Reservists. This includes, but is not limited to: initial notification, orientation, medical screening, legal counsel, service record and pay maintenance, messing and berthing, order writing, outfitting, and transportation. NAS JRB Willow Grove also conducts routine mobilization exercises and maintains a locally prepared LSMP to supplement the COMNAVRESFOR LSMP.

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

This mission requirement is expected to remain the same.

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

There are no known DoD or non-DoD installations that could support NAS JRB Willow Grove's Logistics Support and Mobilization mission.

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

None.

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

No.

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

Table 7.1 Ground Combat or Special Operations Units

Ground Unit	Training Function / Facilities Used
None	

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

Table 7.2 Other Units

Operational Unit	Training Function / Facilities Used
None	

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

Table 7.3 Joint Units

Operational Unit	Training Function / Facilities Used
None	

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

Table 8.1 Forces Supported

Forces	Location / Distance	Type of Support	Frequency
N/A			

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

Yes. Mutual Support Agreements between NAS JRB Willow Grove and the five surrounding townships exist to ensure supplemental fire protection, rescue and hazardous material spill (environmental) response.

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

No.

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

Yes, VP-64/66 and HSL-94 fly counter-drug operations at various times and locations throughout the year. These evolutions occur mostly in the Caribbean.

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

Table 10.1 Support Operations

Aircraft Type	Number of Aircraft	# Sorties Flown in FY 1993
P-3B/C, SH-2F	6/4	130

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

Table 10.2 Supporting Equipment

Equipment/Facility /Personnel	Function
NONE	

11. Are any new civilian or other non-DoD missions planned for this air station? If so, describe.
No.

Facilities

Air Space and Flight Training Areas

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

Airspace Designator: VR 704

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR

b. Dimensions (nmi. x nmi. x ft of altitude) **232 NM length/ 100' AGL - 11,000**

c. Distance from main airfield **150**

d. Time en route from main airfield **0 + 35**

e. Controlling agency **None**

f. Scheduling agency **DET #1, 193 SOG, Annville, PA**

g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?

- If so, what types (i.e., IMC, VMC, or altitude reservation)?

h. Is the airspace under radar coverage? **No**

i. Is the airspace under communications coverage? **Yes**

j. Number of low level airways (below 18,000 ft) that bisect airspace **20**

k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**

l. Number of sorties flown in FY 1993 **450**

- By Navy/USMC **75**

- By other services (including reserves and national guard) **375**

m. Percent of sorties cancelled due to weather. **5%**

n. Number of available hours in FY 1993 **3,285**

o. Number of scheduled hours in FY 1993 **375**

- By Navy/USMC **25**

- By other services (including reserves and national guard) **350**

p. Number of hours used

- By Navy/USMC **17**

- By other services (including reserves and national guard) **300**

q. Types of training permitted **LOW LEVEL TRAINING/ AIR INTERDICTION**

R- r. Is the training within this airspace affected by environmental issues? If so, how?

No environmental issues.

11. Are any new civilian or other non-DoD missions planned for this air station? If so, describe.

No.

Facilities

Air Space and Flight Training Areas

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

Airspace Designator: VR 704

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **232 NM length/ 100' AGL - 11,000**
- c. Distance from main airfield **150**
- d. Time en route from main airfield **0 + 35**
- e. Controlling agency **None**
- f. Scheduling agency **DET #1, 193 SOG, Annville, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **20**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993 **450**
 - By Navy/USMC **75**
 - By other services (including reserves and national guard) **375**
- m. Percent of sorties cancelled due to weather. **5%**
- n. Number of available hours in FY 1993 **3,285**
- o. Number of scheduled hours in FY 1993 **375**
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **350**
- p. Number of hours used
 - By Navy/USMC **17**
 - By other services (including reserves and national guard) **300**
- q. Types of training permitted **LOW LEVEL TRAINING/ AIR INTERDICTION**
- r. Is the training within this airspace affected by environmental issues? If so, how?

UNKNOWN

R

Airspace Designator: VR 705

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **MTR**
- b. Dimensions (nmi. x nmi. x ft of altitude) **170 NM length/ 100' AGL - 10,000**
- c. Distance from main airfield **150 NM**
- d. Time en route from main airfield **0 + 35**
- e. Controlling agency **None**
- f. Scheduling agency **DET #1, 193 SOG, Annville, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **17**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993 **450**
 - By Navy/USMC **75**
 - By other services (including reserves and national guard) **375**
- m. Percent of sorties cancelled due to weather. **5%**
- n. Number of available hours in FY 1993 **3,285**
- o. Number of scheduled hours in FY 1993 **375**
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **350**
- p. Number of hours used
 - By Navy/USMC **17**
 - By other services (including reserves and national guard) **300**
- q. Types of training permitted **LOW LEVEL TRAINING**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: VR 705

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **170 NM length/ 100' AGL - 10,000**
- c. Distance from main airfield **150 NM**
- d. Time en route from main airfield **0 + 35**
- e. Controlling agency **None**
- f. Scheduling agency **DET #1, 193 SOG, Annville, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **17**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993 **450**
 - By Navy/USMC **75**
 - By other services (including reserves and national guard) **375**
- m. Percent of sorties cancelled due to weather. **5%**
- n. Number of available hours in FY 1993 **3,285**
- o. Number of scheduled hours in FY 1993 **375**
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **350**
- p. Number of hours used
 - By Navy/USMC **17**
 - By other services (including reserves and national guard) **300**
- q. Types of training permitted **LOW LEVEL TRAINING**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: VR 707

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **236 NM length/ 100' AGL - 11,000**
- c. Distance from main airfield **75 NM**
- d. Time en route from main airfield **0 + 18**
- e. Controlling agency **None**
- f. Scheduling agency **DET #1, SOG, Annville, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **19**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **35**
 - By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993 **3,285**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **30**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **17**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR INTERDICTION**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: VR 707

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **MTR**
- b. Dimensions (nmi. x nmi. x ft of altitude) **236 NM length/ 100' AGL - 11,000**
- c. Distance from main airfield **75 NM**
- d. Time en route from main airfield **0 + 18**
- e. Controlling agency **None**
- f. Scheduling agency **DET #1, SOG, Annville, PA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **19**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **35**
- By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993 **3,285**
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **30**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **17**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR INTERDICTION**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: SR 800 / 801

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **MTR**
- b. Dimensions (nmi. x nmi. x ft of altitude) **272 NM BY 8 NM/500'AGL TO 2000'MSL**
- c. Distance from main airfield **37 NM**
- d. Time en route from main airfield **0 + 08**
- e. Controlling agency **None**
- f. Scheduling agency **913th AG (AFRES) Willow Grove, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Partial**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **1,160**
- m. Percent of sorties cancelled due to weather.
- n. Number of available hours in FY 1993 **5,475**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **560**
- p. Number of hours used
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **500**
- q. Types of training permitted **LOW LEVEL TRAINING, ESCORT**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: SR 800 / 801

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **272 NM x 8 NM x 500-2000 FT AGL**
- c. Distance from main airfield **37 NM**
- d. Time en route from main airfield **0 + 08**
- e. Controlling agency **None**
- f. Scheduling agency **913th AG (AFRES) Willow Grove, PA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Partial**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **0**
- By other services (including reserves and national guard) **1,160**
- m. Percent of sorties cancelled due to weather.
- n. Number of available hours in FY 1993 **5,475**
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **0**
- By other services (including reserves and national guard) **560**
- p. Number of hours used
- By Navy/USMC **0**
- By other services (including reserves and national guard) **500**
- q. Types of training permitted **LOW LEVEL TRAINING, ESCORT**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: VR 1709

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)

MTR

b. Dimensions (nmi. x nmi. x ft of altitude) **120 NM length/ 500' AGL - 1,500'**

AGL

c. Distance from main airfield **100 NM**

d. Time en route from main airfield **0 + 24**

e. Controlling agency **None**

f. Scheduling agency **108th Tactical Fighter Wing (TFW), ANG, McGuire AFB,**

NJ

g. Are canned/stereo airways needed to access air space? **No**

- If so, how many?

- If so, what types (i.e., IMC, VMC, or altitude reservation)?

h. Is the airspace under radar coverage? **No**

i. Is the airspace under communications coverage? **Yes**

j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**

k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**

l. Number of sorties flown in FY 1993

- By Navy/USMC **210**

- By other services (including reserves and national guard) **0**

m. Percent of sorties cancelled due to weather. **25%**

n. Number of available hours in FY 1993 **3,650**

o. Number of scheduled hours in FY 1993

- By Navy/USMC **80**

- By other services (including reserves and national guard) **0**

p. Number of hours used

- By Navy/USMC **67**

- By other services (including reserves and national guard) **0**

q. Types of training permitted **AIR INTERDICTION**

R-r. Is the training within this airspace affected by environmental issues? If so, how?

Yes, noise sensitive area published in route description.

Airspace Designator: VR 1709

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **120 NM length/ 500' AGL - 1,500' AGL**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **None**
- f. Scheduling agency **108th Tactical Fighter Wing (TFW), ANG, McGuire AFB, NJ**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **210**
- By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **25%**
- n. Number of available hours in FY 1993 **3,650**
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **80**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **67**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR INTERDICTION**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: VR 1711

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **134 NM length/ 500' AGL - 1,500' AGL**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **None**
- f. Scheduling agency **113th TFW, Andrews AFB, MD**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **60**
 - By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **20%**
- n. Number of available hours in FY 1993 **3,650**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **20**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **10**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR INTERDICTION**
- R- r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: VR 1711

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR

b. Dimensions (nmi. x nmi. x ft of altitude) **134 NM length/ 500' AGL - 1,500' AGL**

c. Distance from main airfield **100 NM**

d. Time en route from main airfield **0 + 24**

e. Controlling agency **None**

f. Scheduling agency **113th TFW, Andrews AFB, MD**

g. Are canned/stereo airways needed to access air space? **No**

- If so, how many?

- If so, what types (i.e., IMC, VMC, or altitude reservation)?

h. Is the airspace under radar coverage? **No**

i. Is the airspace under communications coverage? **Yes**

j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**

k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**

l. Number of sorties flown in FY 1993

- By Navy/USMC **60**

- By other services (including reserves and national guard) **0**

m. Percent of sorties cancelled due to weather. **20%**

n. Number of available hours in FY 1993 **3,650**

o. Number of scheduled hours in FY 1993

- By Navy/USMC **20**

- By other services (including reserves and national guard) **0**

p. Number of hours used

- By Navy/USMC **10**

- By other services (including reserves and national guard) **0**

q. Types of training permitted **AIR INTERDICTION**

r. Is the training within this airspace affected by environmental issues? If so, how?

UNKNOWN

Airspace Designator: VR 1757

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **250 NM length/ 500' AGL - 1,500' AGL**
- c. Distance from main airfield **110 NM**
- d. Time en route from main airfield **0 + 26**
- e. Controlling agency **None**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **100**
 - By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **21**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR INTERDICTION**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?
Yes, noise sensitive areas are published in route description.

Airspace Designator: VR 1757

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) **250 NM length/ 500' AGL - 1,500' AGL**
- c. Distance from main airfield **110 NM**
- d. Time en route from main airfield **0 + 26**
- e. Controlling agency **None**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **No**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **N/A**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **100**
- By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993. **8,760**
- o. Number of scheduled hours in FY 1993.
- By Navy/USMC **25**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **21**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR INTERDICTION**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: R - 4006

- a. Type of airspace (i.e., MOA, alert area, restricted area, or MTR) **RESTRICTED**
- b. Dimensions (nmi. x nmi. x ft of altitude) **77NM x 42NM/ 3,500' - FL 250**
- c. Distance from main airfield **96 NM**
- d. Time en route from main airfield **0 + 23**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **Patuxent Central Schedules, Patuxent River, MD**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **One**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **250**
 - By other services (including reserves and national guard) **450**
- m. Percent of sorties cancelled due to weather.
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **180**
 - By other services (including reserves and national guard) **320**
- p. Number of hours used
 - By Navy/USMC **170**
 - By other services (including reserves and national guard) **300**
- q. Types of training permitted **AIR TO AIR/ MAINTENANCE CHECK FLIGHTS/ LOW LEVEL TRAINING**
- R - r. Is the training within this airspace affected by environmental issues? If so, how?
No, however, all supersonic activity must be accomplished above FL300 to minimize noise pollution.

Airspace Designator: R - 4006

- a. Type of airspace (i.e., MOA, alert area, restricted area, or MTR) **RESTRICTED**
- b. Dimensions (nmi. x nmi. x ft of altitude) **77NM x 42NM/ 3,500' - FL 250**
- c. Distance from main airfield **96 NM**
- d. Time en route from main airfield **0 + 23**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **Patuxent Central Schedules, Patuxent River, MD**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **One**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **250**
- By other services (including reserves and national guard) **450**
- m. Percent of sorties cancelled due to weather. **5%**
- n. Number of available hours in FY 1993. **5,824**
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **180**
- By other services (including reserves and national guard) **320**
- p. Number of hours used
- By Navy/USMC **170**
- By other services (including reserves and national guard) **300**
- q. Types of training permitted **AIR TO AIR/ MAINTENANCE CHECK FLIGHTS/** **LOW**
LEVEL TRAINING
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: R - 6609

- a. Type of airspace (i.e., MOA, alert area, restricted area, or MTR) **RESTRICTED**
- b. Dimensions (nmi. x nmi. x ft of altitude) **13 NM x 8 NM/ SFC - FL 200**
- c. Distance from main airfield **142 NM**
- d. Time en route from main airfield **0 + 34**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **1**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **100**
 - By other services (including reserves and national guard) **450**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993 **5,475**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **135**
- p. Number of hours used
 - By Navy/USMC **17**
 - By other services (including reserves and national guard) **120**
- q. Types of training permitted **AIR TO AIR, MARITIME OPS, AIR TO GROUND**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?

Yes, all items dropped must be inert. There are no restrictions to flight.

Airspace Designator: R - 6609

- a. Type of airspace (i.e., MOA, alert area, restricted area, or MTR) **RESTRICTED**
- b. Dimensions (nmi. x nmi. x ft of altitude) **13 NM x 8 NM/ SFC - FL 200**
- c. Distance from main airfield **142 NM**
- d. Time en route from main airfield **0 + 34**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **1**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **100**
 - By other services (including reserves and national guard) **450**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993 **5,475**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **135**
- p. Number of hours used
 - By Navy/USMC **17**
 - By other services (including reserves and national guard) **120**
- q. Types of training permitted **AIR TO AIR, MARITIME OPS, AIR TO GROUND**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: W - 105

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **175 NM x 75 NM/ SFC - FL 500**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **BOSTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **0**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **50**
 - By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **16%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **13**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR TO AIR**
- R- r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: W - 105

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **175 NM x 75 NM/ SFC - FL 500**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **BOSTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **0**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **50**
- By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **16%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **25**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **13**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR TO AIR**
- r. Is the training within this airspace affected by environmental issues? If so, how?

UNKNOWN

R

Airspace Designator: W - 107

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **65 NM x 80 NM/ UNLIMITED**
- c. Distance from main airfield **70 NM**
- d. Time en route from main airfield **0 + 17**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **2**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **244**
 - By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **17%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **170**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **145**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **ASW, SURFACE SURVEILLANCE**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: W - 107

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **65 NM x 80 NM/ UNLIMITED**
- c. Distance from main airfield **70 NM**
- d. Time en route from main airfield **0 + 17**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **2**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **244**
- By other services (including reserves and national guard) **0**
- m. Percent of sorties cancelled due to weather. **17%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **170**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **145**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **ASW, SURFACE SURVEILLANCE**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: W - 108

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **80 NM x 95 NM / UNLIMITED**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **0**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **100**
 - By other services (including reserves and national guard)
- m. Percent of sorties cancelled due to weather. **25%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **50**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR TO AIR**
- R-r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: W - 108

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **80 NM x 95 NM / UNLIMITED**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **0**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **100**
- By other services (including reserves and national guard)
- m. Percent of sorties cancelled due to weather. **25%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **50**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **25**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR TO AIR**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: W - 109

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **80 NM x 95 NM / UNLIMITED**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **0**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **100**
 - By other services (including reserves and national guard)
- m. Percent of sorties cancelled due to weather. **25%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **50**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **25**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR TO AIR**
- R -r. Is the training within this airspace affected by environmental issues? If so, how?
No environmental issues.

Airspace Designator: W - 109

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **WARNING AREA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **80 NM x 95 NM / UNLIMITED**
- c. Distance from main airfield **100 NM**
- d. Time en route from main airfield **0 + 24**
- e. Controlling agency **WASHINGTON ARTCC**
- f. Scheduling agency **FACSFAC VACAPES, Oceana, VA**
- g. Are canned/stereo airways needed to access air space? **No**
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **0**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **0**
- l. Number of sorties flown in FY 1993
- By Navy/USMC **100**
- By other services (including reserves and national guard)
- m. Percent of sorties cancelled due to weather. **25%**
- n. Number of available hours in FY 1993
- o. Number of scheduled hours in FY 1993
- By Navy/USMC **50**
- By other services (including reserves and national guard) **0**
- p. Number of hours used
- By Navy/USMC **25**
- By other services (including reserves and national guard) **0**
- q. Types of training permitted **AIR TO AIR**
- r. Is the training within this airspace affected by environmental issues? If so, how?
UNKNOWN

R

Airspace Designator: DUKE MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **MOA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **44 NM x 30 NM / 8,000' - 17,000'**
- c. Distance from main airfield **137 NM**
- d. Time en route from main airfield **0 + 33**
- e. Controlling agency **CLEVELAND ARTCC**
- f. Scheduling agency **112th, UNIVERSITY PARK, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **5**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **620**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993 **1825**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **410**
- p. Number of hours used
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **310**
- q. Types of training permitted **AIR TO AIR / AIR REFUELING / TACTICAL AIR TRAINING**
- R-r. Is the training within this airspace affected by environmental issues? If so, how? **NO ENVIRONMENTAL ISSUES.**

Airspace Designator: DUKE MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **MOA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **44 NM x 30 NM / 8,000' - 17,000'**
- c. Distance from main airfield **137 NM**
- d. Time en route from main airfield **0 + 33**
- e. Controlling agency **CLEVELAND ARTCC**
- f. Scheduling agency **112th, UNIVERSITY PARK, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **5**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **620**
- m. Percent of sorties cancelled due to weather. **10%**
- n. Number of available hours in FY 1993 **1825**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **410**
- p. Number of hours used
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **310**
- q. Types of training permitted **AIR TO AIR / AIR REFUELING / TACTICAL AIR TRAINING**
- r. Is the training within this airspace affected by environmental issues? If so, how? **UNKNOWN**

Airspace Designator: KIOWA MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, or MTR) **MOA**
- b. Dimensions (nmi. x nmi. x ft of altitude) **3 NM x 6.5 NM / 500' AGL - 13,000'**
- c. Distance from main airfield **72 NM**
- d. Time en route from main airfield **0 + 18**
- e. Controlling agency **NEW YORK ARTCC**
- f. Scheduling agency **U.S. ARMY GARRISON, FORT INDIANTOWN GAP, PA**
- g. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **NONE**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **NONE**
- l. Number of sorties flown in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **620**
- m. Percent of sorties cancelled due to weather. **0%**
- n. Number of available hours in FY 1993 **1768**
- o. Number of scheduled hours in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **0**
- p. Number of hours used
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **0**
- q. Types of training permitted **INGRESS/EGRESS OF VR 704/705/707/R5802**
 - r. Is the training within this airspace affected by environmental issues? If so, how? **NO ENVIRONMENTAL ISSUES.**

R

13. List all the air-to-ground training ranges routinely used by aviation units or squadrons assigned to your air station. For each range, provide the following data:

Range Name: R - 5002 a through e

- a. Location (city/county and state) **Warren-Grove, Burlington, NJ**
- b. Distance from main airfield **45 NM**
- c. Time en route from main airfield **0 + 10**
- d. Controlling agency **NEW YORK ARTCC**
- e. Scheduling agency **108th TFW, ANG., McGuire AFB, NJ**
- f. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **Yes**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- k. Number of sorties flown in FY 1993
 - By Navy/USMC **915**
 - By other services (including reserves and national guard) **2000**
- l. Percent of sorties cancelled due to weather. **< 5%**
- m. Number of available hours in FY 1993 **3650**
- n. Number of scheduled hours in FY 1993
 - By Navy USMC **300**
 - By other services (including reserves and national guard) **900**
- o. Number of hours used
 - By Navy/USMC **267**
 - By other services (including reserves and national guard) **887**
- R- p. Types of training permitted **AIR TO GROUND, NVG, SURFACE ATTACK TACTICS/ ORDNANCE: BDU33, 30MM**
- R- q. Is the training within this airspace impeded by environmental issues?
NO ENVIRONMENTAL ISSUES.

13. List all the air-to-ground training ranges routinely used by aviation units or squadrons assigned to your air station. For each range, provide the following data:

Range Name: R - 5002 a through e

- a. Location (city/county and state) **Warren-Grove, Burlington, NJ**
- b. Distance from main airfield **45 NM**
- c. Time en route from main airfield **0 + 10**
- d. Controlling agency **NEW YORK ARTCC**
- e. Scheduling agency **108th TFW, ANG., McGuire AFB, NJ**
- f. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **Yes**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- k. Number of sorties flown in FY 1993
 - By Navy/USMC **915**
 - By other services (including reserves and national guard) **2000**
- l. Percent of sorties cancelled due to weather. **< 5%**
- m. Number of available hours in FY 1993 **3650**
- n. Number of scheduled hours in FY 1993
 - By Navy USMC **300**
 - By other services (including reserves and national guard) **900**
- o. Number of hours used
 - By Navy/USMC **267**
 - By other services (including reserves and national guard) **887**
- p. Types of training permitted **AIR TO GROUND, NVG, SURFACE ATTACK TACTICS**
- q. Is the training within this airspace impeded by environmental issues?
UNKNOWN

R

Range Name: R - 5201

- a. Location (city/county and state) **Watertown Jefferson, NY**
- b. Distance from main airfield **235 NM**
- c. Time en route from main airfield **0 + 55**
- d. Controlling agency **BOSTON ARTCC**
- e. Scheduling agency **Fort Drum, NY**
- f. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **Yes**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **1 (one)**
- k. Number of sorties flown in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **400**
- l. Percent of sorties cancelled due to weather. **12%**
- m. Number of available hours in FY 1993 **4380**
- n. Number of scheduled hours in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **150**
- o. Number of hours used
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **100**
- R - p. Types of training permitted **AIR TO GROUND GUNNERY, CLOSE AIR SUPPORT/ ORDNANCE: BDU 33/ 30MM**
- R - q. Is the training within this airspace impeded by environmental issues?
NO ENVIRONMENTAL ISSUES.

Range Name: R - 5201

- a. Location (city/county and state) **Watertown Jefferson, NY**
- b. Distance from main airfield **235 NM**
- c. Time en route from main airfield **0 + 55**
- d. Controlling agency **BOSTON ARTCC**
- e. Scheduling agency **Fort Drum, NY**
- f. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **Yes**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **1 (one)**
- k. Number of sorties flown in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **400**
- l. Percent of sorties cancelled due to weather. **12%**
- m. Number of available hours in FY 1993 **4380**
- n. Number of scheduled hours in FY 1993
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **150**
- o. Number of hours used
 - By Navy/USMC **0**
 - By other services (including reserves and national guard) **100**
- p. Types of training permitted **AIR TO GROUND GUNNERY, CLOSE AIR SUPPORT**
- q. Is the training within this airspace impeded by environmental issues?
UNKNOWN

R

Range Name: R - 5802 A/B

- a. Location (city/county and state) **Annville / Lebanon, PA**
- b. Distance from main airfield **70 NM**
- c. Time en route from main airfield **0 + 17**
- d. Controlling agency **NEW YORK ARTCC**
- e. Scheduling agency **CMDR, Ft. Indiantown Gap, Annville, PA**
- f. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **No**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- k. Number of sorties flown in FY 1993
 - By Navy/USMC **1200**
 - By other services (including reserves and national guard) **410**
- l. Percent of sorties cancelled due to weather. **16%**
- m. Number of available hours in FY 1993 **2498**
- n. Number of scheduled hours in FY 1993
 - By Navy USMC **905**
 - By other services (including reserves and national guard) **295**
- o. Number of hours used
 - By Navy/USMC **817**
 - By other services (including reserves and national guard) **220**
- R-p. Types of training permitted **AIR TO GROUND GUNNERY, TERRAIN FOLLOWING, NIGHT VISION GOGGLES TRAINING/ ORDNANCE: BDU 33, 30MM, MK82 FLICKS, MK82 HI DRAG**
- R-q. Is the training within this airspace impeded by environmental issues?
NO ENVIRNMENTAL ISSUES.

Range Name: R - 5802 A/B

- a. Location (city/county and state) **Annville / Lebanon, PA**
- b. Distance from main airfield **70 NM**
- c. Time en route from main airfield **0 + 17**
- d. Controlling agency **NEW YORK ARTCC**
- e. Scheduling agency **CMDR, Ft. Indiantown Gap, Annville, PA**
- f. Are canned/stereo airways needed to access air space? **No**
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **No**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **N/A**
- k. Number of sorties flown in FY 1993
 - By Navy/USMC **1200**
 - By other services (including reserves and national guard) **410**
- l. Percent of sorties cancelled due to weather. **16%**
- m. Number of available hours in FY 1993 **2498**
- n. Number of scheduled hours in FY 1993
 - By Navy USMC **905**
 - By other services (including reserves and national guard) **295**
- o. Number of hours used
 - By Navy/USMC **817**
 - By other services (including reserves and national guard) **220**
- p. Types of training permitted **AIR TO GROUND GUNNERY, TERRAIN FOLLOWING, NIGHT VISION GOGGLES TRAINING**
- q. Is the training within this airspace impeded by environmental issues?
UNKNOWN

14. Is land and/or air encroachment an issue which endangers long term availability of any training areas? If so, provide details.

Not to our knowledge.

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

Yes, SUA / Airspace is sufficient.

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

N/A

Airfields

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

Airfield Name: Naval Air Station Joint Reserve Base Willow Grove, PA

- a. Location: **PA 40° 12.0' N 075° 08.9' W**
- b. Distance from main field: **N/A**
- c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? **NO**
- d. Does the airfield have parallel or dual offset runways? **NO**
- e. If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? **N/A**
- e. Does the airfield have full-length parallel taxiways? **YES, ONE**
- f. Does the airfield have high speed taxiways? **NO**
- g. Does the airfield have a crosswind runway? **NO**
- h. If conditions force the use of this runway, does the airfield lose flight ops capacity? **N/A**
- i. How much capacity is lost? **N/A**
- j. What percent of the time do conditions force the crosswind runway to be used? **N/A**
- k. Is the airfield equipped to support IFR flight operations? **Yes**
- l. Is the airfield owned by the navy or leased? **OWNED**
- m. Discuss any runway design features that are specific to particular types of aircraft (e.g., are the airfield facilities designed primarily for helo, prop. or jet train aircraft). **GENERAL AIRCRAFT OPERATIONS. RUNWAY IS EQUIPPED WITH (E-28) BI-DIRECTIONAL ARRESTING GEAR & (E-5) UNI-DIRECTIONAL ARRESTING GEAR FOR TACTICAL AIRCRAFT USE.**
- n. Does the air station perimeter road completely encircle the airfield? **YES**
- o. Is the air station perimeter road 100% paved? If not estimate the percentage paved. **YES**
- p. Does the perimeter fence completely enclose the operational areas of the air station? If not, explain why. **NO, DUE TO FUNDING CONSTRAINTS. INSTALLATION IS ANTICIPATED IN THE NEAR TERM.**
- q. Is lack of fencing a security discrepancy? **YES, HOWEVER , OPNAV WAIVER HAS BEEN OBTAINED.**
- r. Other remarks. **None**

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

YES. SEE Airfield Diagram pg27A

Facilities

Base Infrastructure and Investment

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

Table 19.1 Capital Improvement Expenditure

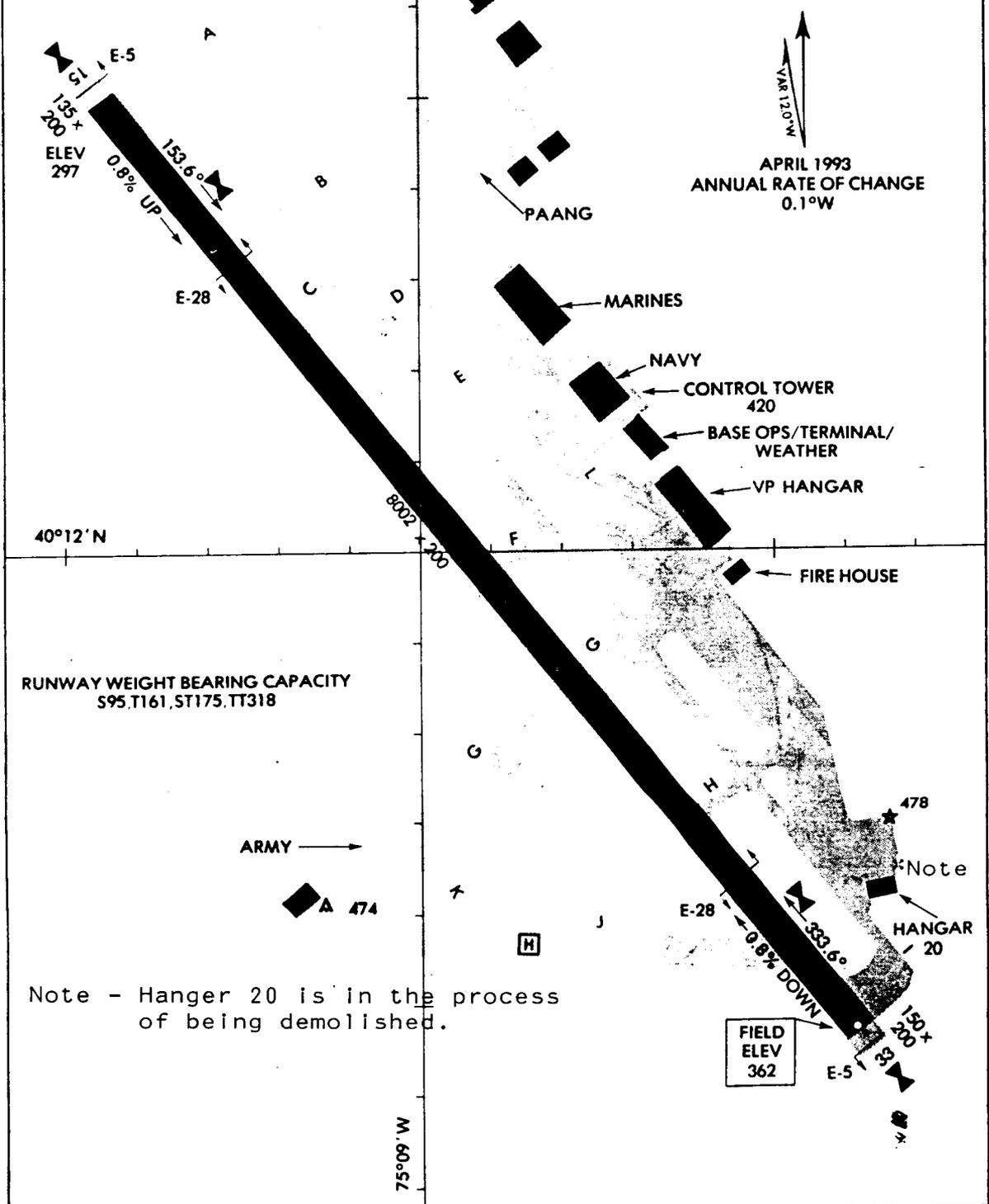
Not in million GA.

Project No.	Description	Fund Year	Value
P-126	ENLISTED DINING FACILITY	86	\$2.4M
P-166	BACHELOR ENLISTED QUARTERS	86	\$4.7M
P-208	SOUTH CLEAR ZONE ACQUISITION	88	\$0.8M
P-200	PERSONNEL ADMIN SUPPORT/DISBURSING FACILITY	88	\$1.2M
P-190	MARINE AIR GROUP 49 HANGAR	88	\$8.0M
P-172	RESERVE ASW TRAINING CENTER ADDITION	89	\$2.0M
P-167	OPERATIONS/PASSENGER TERMINAL	89	\$1.8M
P-213	GROUND SUPPORT EQUIPMENT BUILDING	91	\$0.8M
C22-86	SENSITIVE COMPARTMENT INFORMATION FACILITY	89	18K
C23-85	INSTALL SUMP, PUMPS IN MANHOLES	89	69K
RC20-86	HVAC SYS RPRS RESASWTRACEN BLD 140	89	26K
RC33-86	REPAIR APPROACH ZONE AREA	89	70K
C3-88	ENVIRONMENTAL CONTROLS HVAC AIMD	90	68K
RC6-88	REPAIRS & ASBESTOS REMOVAL MAIN ADMIN BLD	90	102K
RC46-89	REPAIRS/ALTERATIONS NAVAL BRANCH CLINIC	91	60K

AIRPORT DIAGRAM

AFD 598 (USN)

ATIS ★
275.6
WILLOW GROVE TOWER ★
119.6 340.2
GND CON/CLNC DEL
121.8 380.8



AIRPORT DIAGRAM

WILLOW GROVE, PENNSYLVANIA
WILLOW GROVE NAS (KNXX)

20.A. LIST THE PROJECT NUMBER, DESCRIPTION, FUNDING YEAR, AND VALUE OF THE NON-BRAC RELATED CAPITAL IMPROVEMENTS PLANNED FOR YEARS 1995 THROUGH 1997.

TABLE 20.1 PLANNED CAPITAL IMPROVEMENTS

PROJECT NUMBER	DESCRIPTION	FUND YEAR	VALUE
P-118	AIRCRAFT RINSE FACILITY	96	\$0.5M
CR29-91	RUNWAY LIGHTS REPAIRS	94	189 K

CHRF
CODE
821

QC
145454

20.B. LIST THE PROJECT NUMBER, DESCRIPTION, FUNDING YEAR, AND VALUE OF THE BRAC RELATED CAPITAL IMPROVEMENTS PLANNED/PROGRAMMED FOR 1995 THROUGH 1999.

TABLE 20.2 PLANNED CAPITAL IMPROVEMENTS

PROJECT NUMBER	DESCRIPTION	FUND YEAR	VALUE
P-932	USMC RESERVE TRAINING CENTER	94	\$5.0M

PERSONNEL SUPPORT FACILITIES

21.. ADMINISTRATIVE SPACES

21.A. IN THE FOLLOWING TABLE, INDICATE THE AVAILABLE SPACE (SF), INDIVIDUAL WORKSTATION (PN), AND CONDITION FOR EACH FACILITY DESIGNATED OR USED FOR ADMINISTRATIVE PURPOSES.

TABLE 21.1 ADMINISTRATIVE SUPPORT SPACES

BUILDING TYPE	NAVFAC (P-80) CATEGORY CODE	ADEQUATE		SUBSTAND ARD		INADEQUAT E		TOTAL	
		SF	PN	SF	PN	S F	PN	SF	PN
ADMINISTRATIVE OFFICE	610-10	36119	300					36119	300
ADP INSTALLATIONS	610-20	879	6					879	6
LEGAL SERVICES	610-40	120	1					120	1
ADMIN STORAGE	610-77		NA		NA		NA		NA
UNDERGROUND ADMINISTRATIVE OFFICE	620-10								
UNDERGROUND ADP INSTALLATION	620-20								
UNDERGROUND ADMIN STORAGE	620-77		NA		NA		NA		NA
OTHER	620-7X								

21.B. FOR ALL FACILITIES THAT WERE CLASSIFIED AS INADEQUATE IN THE PRECEDING TABLE, IDENTIFY THE TYPE OF FACILITY AND DESCRIBE WHY THE FACILITY IS INADEQUATE; INDICATE HOW THE FACILITY IS BEING USED AND LIST OTHER POSSIBLE USES; AND SPECIFY THE COSTS TO REMOVE THE DEFICIENCIES THAT MAKE IT INADEQUATE (DO NOT BE CONCERNED WITH THE ECONOMIC JUSTIFICATION FOR THESE COSTS). INDICATE CURRENT PLANS TO REMOVE THESE DEFICIENCIES AND THE AMOUNT OF ANY PROGRAMMED FUNDS. DOES THE DEFICIENCY

RESULT IN A C3 OR C4 DESIGNATION ON YOUR BASEREP?

N/A

22. DESCRIBE ANY ADMINISTRATIVE SUPPORT FACILITY LIMITATIONS. DESCRIBE THE POTENTIAL FOR EXPANSION OF THE SERVICES THAT ADMINISTRATIVE SUPPORT FACILITIES PROVIDE.

THE MAIN ADMINISTRATIVE SUPPORT LIMITATION IS THE AMOUNT OF AVAILABLE SPACE. CURRENTLY, ALL ADMINISTRATIVE SPACE IS OCCUPIED AND THEREFORE THE POTENTIAL FOR EXPANSION IS LIMITED UNLESS ADDITIONAL AREAS ARE CONSTRUCTED.

23.A. LIST ALL SPECIALIZED TRAINING FACILITIES/SIMULATORS THAT ARE LOCATED AT OR NEAR THE AIR STATION.

TABLE 23.1 SPECIALIZED TRAINING FACILITIES/SIMULATORS ONBOARD/IN VICINITY

TYPE	PURPOSE AND AVAILABILITY ELSEWHERE
1A22	CELESTIAL NAVIGATION TRAINER/ONE OF A KIND
2F69(E) OFT	P-3B Flight simulation/No others in vicinity
2F69 (E) WST	P-3B Weapons systems trainer/No others in vicinity
2F145	SH2 Flight and Weapons Sys Trainer/ nearest other is at South Weymouth, MA
2F142 OFT	Flight simulator / nearest other is at Glenview, IL
2F142WST	Weapons sys trainer/ No other in vicinity
2F87	P-3C UII Weapons sys trainer/ nearest other is at JAX

14B37	P-3B TACNAV trainer/ one of a kind
14B44	P-3B/C Acoustic operator trainer/ Multiple locations within 500 miles

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

Table 23.2 Facilities/Simulators Desired

Type	Training Function	Location
2F140	P-3C UIII Weapons sys trainer	Jacksonville Fl.
14B40	P-3C Electronic warfare operator trainer	Jacksonville
14B53	P-3C UIII SASP trainer	Jacksonville

Note: All trainers local at the Reserve ASW Training Center.

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

No.

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

N/A

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

Table 25.1 Ship Maintenance Facilities

Ship Maintenance Facility	Major Capabilities
None	

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

Table 25.2 Other Ship Maintenance Facilities

Maintenance Activity	Type of Support	Location
None		

Regional Maintenance Concept

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

No.

Special Military Facilities

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

Table 27.1 Special Military Facilities

Type of Facility	Operational Mission of Facility
NOCD	FLIGHT CREW WEATHER BRIEFS
SIMULATORS	ASW TRAINING (RESASWTRACEN) ALL RESERVE (P-3) VP TRAINING
MOBILE ASWOC	VIA MINIATURE MOBILE OPERATIONAL COMMAND CENTER (MMOCC)

Non-DON Facility Support Arrangements

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

Table 28.1 Non-DON Support

Activity Name / Military Service	Description of Activity Role and Degree of Support
79TH ARMY RESERVE COMMAND (US ARMY)	ROLE: HOST SUPPORT: ALL BASE FUNCTIONS
97TH ARMY RESERVE COMMAND (US ARMY)	Same as Above.
157TH SEPARATE INFANTRY BRIGADE (US ARMY)	ROLE: PROVIDE INFRASTRUCTURE SUPPORT SUPPORT: KEY UTILITIES AND COMMUNITY SUPPORT
913TH AIRLIFT GROUP (AIR FORCE RESERVE)	ROLE: HOST OF AIRFIELD AND INFRASTRUCTURE SUPPORT
	SUPPORT: ALL AIRFIELD SUPPORT, KEY UTILITIES, FIRE PROTECTION, AND COMMUNITY SUPPORT
111TH FIGHTER GROUP (PA AIR NATIONAL GUARD)	Same as Above.

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

Table 29.1 Other Agencies

Activity / Sponsor / Government Affiliation	Description of Activity Role and Support Level
NAS JRB WILLOW GROVE/ HORSHAM TOWNSHIP	PROVIDE FOR COMMON SUPPORT FOR FIRE FIGHTING, RESCUE AND EMERGENCY MEDICAL SERVICES.
NAS JRB WILLOW GROVE/ WARRINGTON TOWNSHIP	Same as above.
NAS JRB WILLOW GROVE/ HATBORO TOWNSHIP	Same as Above.
NAS JRB WILLOW GROVE/ WILLOW GROVE TOWNSHIP	Same as Above.
USN/ NAS JRB WILLOW GROVE/ FAA EASTERN REGION	THE FAA HAS PRIMARY RESPONSIBILITY FOR SUPPLY SUPPORT, EQUIPMENT MAINTENANCE & OPERATIONAL CONTROL FOR NAVY OWNED AN/GPN-27 ASR-8 RADAR. NAVY GROUND ELECTRONICS TECHNICIANS ASSIST IN VARIOUS MAINTENANCE FUNCTIONS. EQUIPMENT MAINTENANCE WHICH EXCEEDS FAA ON-SITE CAPABILITY IS REFERRED TO NAS WILLOW GROVE GROUND ELECTRONICS FOR ASSISTANCE.
AIR OPS/ NAS JRB WILLOW GROVE/ ROSS AVIATION	DEPARTMENT OF ENERGY CIVIL CONTRACT CARGO CARRIER, FOR DOE HARDWARE, UTILIZE THE AIRFIELD FOR CARGO TRANSFER.

Activity / Sponsor / Government Affiliation	Description of Activity Role and Support Level
NAS JRB WILLOW GROVE/ DELAWARE VALLEY HISTORICAL AIRCRAFT ASSOC.	HOST FOR ADMIN SPACE AND KEY UTILITIES
NAS JRB Willow Grove/ Navy Federal Credit Union	Same as Above.

LOCATION

Proximity to Operational Mission Areas

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

PRIMARY PURPOSE OF ALL FLIGHTS AT THIS AIR STATION IS TRAINING. HOWEVER, P-3s PERFORM DRUG INTERDICTION MISSIONS OUT OF SOUTH FLORIDA. AVERAGE TRANSIT FROM AIR STATION IS 1000 MILES WITH AVERAGE ON STATION TIME OF 8 HOURS.

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

YES.

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

- YES:**
- (1) PROXIMITY TO ATLANTIC OCEAN (70 NM) PERMITS TRAINING WITH FLEET UNITS.**
 - (2) OPERATIONS FROM THIS FACILITY ALLOWS TRAINING IN CLOSE AIR SUPPORT TACTICS WITH 4 ADDITIONAL FIGHTER UNITS, 4 ARMY HELO UNITS AND 1 MARINE UNIT.**
 - (3) BEING CENTRALLY LOCATED BETWEEN NAS BRUNSWICK, ME AND NAS JACKSONVILLE, FL, NAS JRB WILLOW GROVE PROVIDES P-3s WITH THE FLEXIBILITY OF OPERATING OUT OF EITHER LOCATION FOR GREATER UTILIZATION OF TRAINING OPPORTUNITIES.**
 - (4) 913 AG - NUMEROUS ASSETS ARE AVAILABLE FOR COMPOSITE AND/OR JOINT TRAINING. ON THE SAME BASE IS ARMY AVIATION (HELICOPTERS), MARINE AVIATION (A-4 ATTACK AIRCRAFT AND CH-53 HELICOPTERS), AND AIR NATIONAL GUARD (A-10's). WITHIN 150 MILES IS THE INDIAN TOWN GAP WEAPONS RANGE WHERE AIRDROP MISSIONS ARE ROUTINELY FLOWN; ALSO WARREN GROVE RANGE IN NEW JERSEY IS IN CLOSE PROXIMATELY TO COYLE DROP ZONE AND IS USED FOR JOINT TRAINING WITH PAANG A-10's. WITHIN APPROXIMATELY 200 MILES IS NORFOLK NAVAL AIR STATION, WHERE JOINT TRAINING MISSIONS WITH NAVY SEALS ARE OFTEN SCHEDULED. ALSO JOINT TRAINING IS OFTEN FLOWN WITH 82ND AIRBORNE TROOPS WHILE OPERATING OUT OF POPE AFB.**

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

Table 31.1 Local Airfields

Airfield Name	Major Use / Capability	Location / Distance
MCGUIRE AFB	FLIGHT TRAINING & EMERGENCY	BURLINGTON, NJ/30 NM
DOVER AFB	FLIGHT TRAINING & EMERGENCY	DOVER, DE/69 NM
ATLANTIC CITY, INTL	FLIGHT TRAINING & EMERGENCY	ATLANTIC CITY, NJ/55 NM
ALLENTOWN BETHLEHEM EASTON	FLIGHT TRAINING & EMERGENCY	ALLENTOWN, PA/32 NM

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

Table 31.2 Other Military Facilities

Military Facility Name	Actual / Proposed Use	Distance
None		

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

Table 31.3 Civilian Facilities

Civilian Facility Name	Actual / Proposed Use	Distance
NONE		

LOCATION

Proximity to Major Transportation Nodes

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

Table 32.1 Transportation Nodes

Facility	Mobilization Role	Location
PHILADELPHIA INTL AIRPORT	AIR CARGO/ PERSONNEL	PHILADELPHIA, PA
PHILADELPHIA TRAIN STATION	RAIL CARGO/ PERSONNEL	PHILADELPHIA, PA
NORTH EAST PHILADELPHIA AIRPORT	AIR CARGO/ PERSONNEL	BENSALEM, PA
PHILADELPHIA PORT FACILITY	SHIPPING	PHILADELPHIA, PA
PA TURNPIKE/ I-78/I-476/I-95	TRUCKING/ PERSONNEL	WILLOW GROVE, PA
McGUIRE AFB	AIR CARGO/ PERSONNEL	BURLINGTON, NJ
DOVER, DE	AIR CARGO/ PERSONNEL	DOVER, DE

**Features and Capabilities -
Weather**

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

Table 33.1 Weather Information

Field Name: NAS JRB WILLOW GROVE

Month	% of Hours ¹ VMC	% of Hours IMC	% of Hours Below 200 ft Ceilings and 1/2 Mile Visibility	% of All Sorties Canceled ² Due to Weather
Jan.	82.0	18.0	2.9	5
Feb.	81.7	18.3	3.4	5
Mar.	84.4	15.6	2.1	5
Apr.	86.3	13.7	1.4	<1
May	84.1	15.9	1.4	<1
June	84.6	15.4	1.0	<1
July	84.1	15.9	0.4	<1
Aug.	82.7	17.3	0.9	<1
Sept.	82.4	17.6	1.4	<1
Oct.	85.4	14.6	2.1	<1
Nov.	83.6	16.4	2.7	<1
Dec.	82.9	17.1	2.3	5

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

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

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

Table 33.2 Operating Hours

Day	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Operating Schedule	06-23	06-23	06-23	06-23	06-23	06-23	06-23

33.c. Do local weather conditions have a regular impact on maintenance schedules? If so, describe how the air station accommodates these conditions.

No.

33.d. Do the normal weather conditions at the most frequently used training areas pose a significant problem for scheduling training sorties? If so, are alternate training areas used? Does the use of alternate training facilities involve relocating aircraft and support personnel to other air stations during certain times of the year?

No.

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

LOCAL CLIMATE AND GEOGRAPHY PROVIDE FREQUENT OPPORTUNITIES FOR ALL-WEATHER TRAINING. SEASONAL VARIATIONS PRODUCE UNIQUE TRAINING ENVIRONMENTS WHICH INCLUDE: SNOW, SLEET, FREEZING RAIN, FOG, SEVERE WIND SHEAR, THUNDERSTORMS, HAIL, TORNADOES AND HURRICANES.

Encroachment

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

SEE AICUZ MAP Pg 43A AND REFER TO ANSWERS FOR QUESTIONS 36.B. THROUGH 36.E.

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

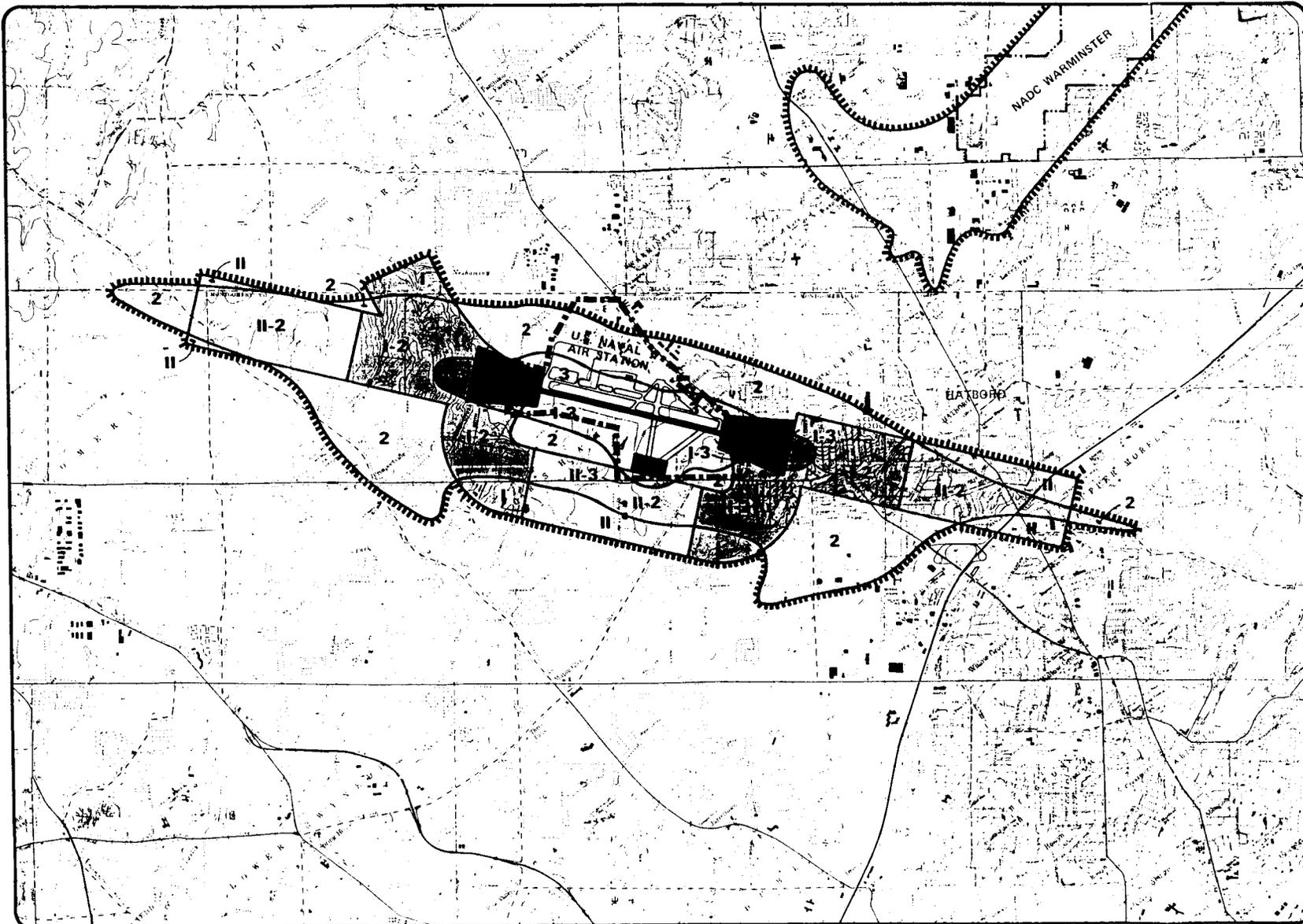
No.

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

No.

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

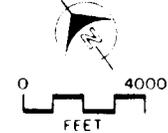
Never.



LEGEND

- CLEAR ZONE (CZ)
- I ACCIDENT POTENTIAL ZONE I (APZ I)
- II ACCIDENT POTENTIAL ZONE II (APZ II)
- 3 NOISE EXPOSURE ZONE 3 (NZ-3)
- 2 NOISE EXPOSURE ZONE 2 (NZ-2)
- APZ-I
NZ-3
- I-2 APZ-I
NZ-2
- II-3 APZ-II
NZ-3
- II-2 APZ-II
NZ-2
- NAS BOUNDARY
- AICUZ BOUNDARY
- NADC BOUNDARY
- NADC AICUZ BOUNDARY

SOURCE: CH2M HILL



AICUZ STUDY
NAVAL AIR STATION
WILLOW GROVE, PA

ES-2

THE AICUZ

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

No.

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

Zoning - Please refer to zoning map (Insert #3) and description below:

The municipalities most directly impacted by Station include: Horsham, Upper Moreland, and Warrington Townships and the Borough of Hatboro. Zoning in these municipalities provides for a range of residential development, several commercial districts, and industrial use districts. The zoning pattern for Horsham Township, which basically encompasses the Station, is illustrated on Insert #3.

The approach pattern to Runway 33 is over portions of Hatboro, Upper Moreland, and Horsham which are densely developed as multiple residential, commercial centers, and small lot single family residential.

In Horsham, high density residential zones and shopping center zones are located under the primary approach-departure flight pattern of Runway 33.

Of particular concern is the C-1 Shopping Center Districts located under the approach pattern. These districts permit restaurants, assembly halls, community buildings, indoor recreational establishments, libraries, child day-care centers, and indoor theaters - land uses which attract high volumes of people and concentrates them in one small space. These types of used should be discouraged in and area subject to potential crashes and high noise volume. Also, the C-1 zone allows a building height of up to 65 feet.

The Government has acquired much of the lands in the north an south clear zones and additional easements to the north. All of the C-5 and much of the C-1 zone and other areas have been acquired. Acquisition is focusing precluding additional development while avoiding existing residential areas.

The flight paths from Runway 15 cover R-1 and R-2 residential zones in Horsham Township.

Flight paths also traverse areas of each industrial zoning category (1-1, 1-2, and 1-3) in Horsham Township. In Warrington Township, the flight paths for Runway 15 cover small areas of zones RA-2, R-2, and PI-2.

Warminster Township is not involved in the AICUZ footprint.

SURROUNDING LAND USE

Land use surrounding NAS JRB Willow Grove can be characterized as suburban residential interspersed with commercial and light industrial uses and scattered vacant parcels. To the north, residential uses are mixed with large areas of open space, including a golf course. To the east, land uses are predominantly commercial along PA 611 with some vacant lots toward the northeast. To the southeast, the U. S. Army Reserve Training Center isolated on PA 611 across from NAS JRB. To the south, land uses are mostly residential with commercial and some light manufacturing. To the west, land remains mostly open, including a large golf course, with scattered residential and light industrial.

Warrington and Horsham Townships are expected to experience moderate growth in the years ahead. Horsham's population growth will be in the western part of the township where open land is available and sanitary services are planned. Areas to the north of the Station are mostly large vacant tracts of land, zoned low density residential. This pattern is expected to continue due to the Country and Township land use plans, lack of utility services and the environmental sensitivity of the watershed. One parcel to the north was rezoned for light industry having a proposed development pattern with building and improvement restrictions and flight clearance/visibility considerations. The golf course bordering the northwest side of the Station is also zoned industrial.

ENCROACHMENT

Encroachment can be defined as "any non-Navy action planned or executed in the vicinity of a Navy/Marine Corps activity or normal area of operation which inhibits, curtails, or has the potential to impede the performance of operations". The scope of encroachment can be wide and varied and often extend well beyond the installation boundaries.

COMMUNITY DEVELOPMENT

When NAS JRB Willow Grove was first established, the local communities were mostly farm land with development concentrated along some of the major roads, and in the boroughs and villages located at the major road intersections. Development increased rapidly in the 1950s, through the late 1970s. It has subsequently tapered off due to economic conditions, a reduction in available lands, increased awareness of environmental impacts, and limitations to utility services.

The Navy has consistently responded to Horsham Township regarding the constraining impact various development proposals often have against the Station. The local officials have been less than enthusiastic towards the AICUZ concept and creating compatible development through adoption of appropriate land use controls and development regulations. The reasons are many and varied including but not limited to: impact on the tax base, impact on the school system, physical separation of the community, the relative land area it occupies (10% of Horsham Township), traffic impact, noise impact and ensuing complaints, accident history, and others.

Most of the land to the north, encompassed by the AICUZ footprint is relatively undeveloped, yet developing rapidly. Much of the area is zoned for large lot single family development which is considered incompatible. One of the large parcels was rezoned for planned industrial with consideration given toward a development pattern, building requirements, site improvements, and other conditions which are favorable toward air operations. The Government is now acquiring clear zone land areas and flight clearance easements or restrictive easements in this northerly area, where necessary.

The south clear zone is more developed and is zoned for commercial and industrial uses with some fringe areas having residential development. Acquisition has concentrated in the industrial and commercial areas which were largely undeveloped and generally more central to the clear zone. This acquisition allowed for the extension of the runway approach lighting in addition to added safety to local residents and aircrew.

At this point in time, development potential has been substantially reduced and the viability of the Station has been enhanced. Some incompatible zoning and land development plans do exist under the downwind leg of the approach pattern having a classification of Accident Potential Zone I. Other portions are being developed as officer parks and light industrial areas. Still others are in ownerships that have minimal likelihood of being developed.

The Station should continue to monitor development policies, trends and community plans, and maintain a dialogue with the local officials, citizens, special interest groups, and planners to ward off further incompatible development. For instance, an increased zoning amendments can be an indicator of the upcoming increase in land development activity which in turn could increase encroachment pressure.

Airspace Environment and Air Traffic Control

The airspace between 4,000 and 7,000 feet above NAS JRB Willow Grove is contained within the Philadelphia Terminal Control Area (Class B Airspace) and is utilized for arrivals and departures to Philadelphia International Airport. The NAS aircraft must obtain authorization to operate within this area regardless of weather conditions.

There is no litigation pending or planned.

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

No.

A number of factors are important to aid in identifying future development trends within a community or region. Some factors are easily defined since they are based on objective criteria that allow certain types of development accordance with the suitability of a given land area. Other factors, such as economic climate, community attitudes, and development process within the various communities.

Horsham Township's position is highly influence by the Philadelphia Metropolitan region, which has grown outward to Horsham. The metropolitan development pattern has enveloped Horsham between the Philadelphia arterial corridors of State Routes 309 and 611. Suburbanization is already evident in the surrounding communities of Upper Dublin, Upper Moreland, Hatboro, Warminster, and Warrington.

Horsham's open, rural charm and character, in contrast to much of its surroundings, is more of a liability than an asset in that it provides a very attractive environment for future residential development. This is aided and abetted by its proximity to mass transportation in Hatboro, and access to regional arterial highways and the Pennsylvania Turnpike.

Horsham is at its developmental turning point, and its rate of growth will largely depend on the regional growth pressures, the natural capability of its land, sewer and water resources, and the tenacity of the Township in its efforts to wisely steward future growth in Horsham.

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

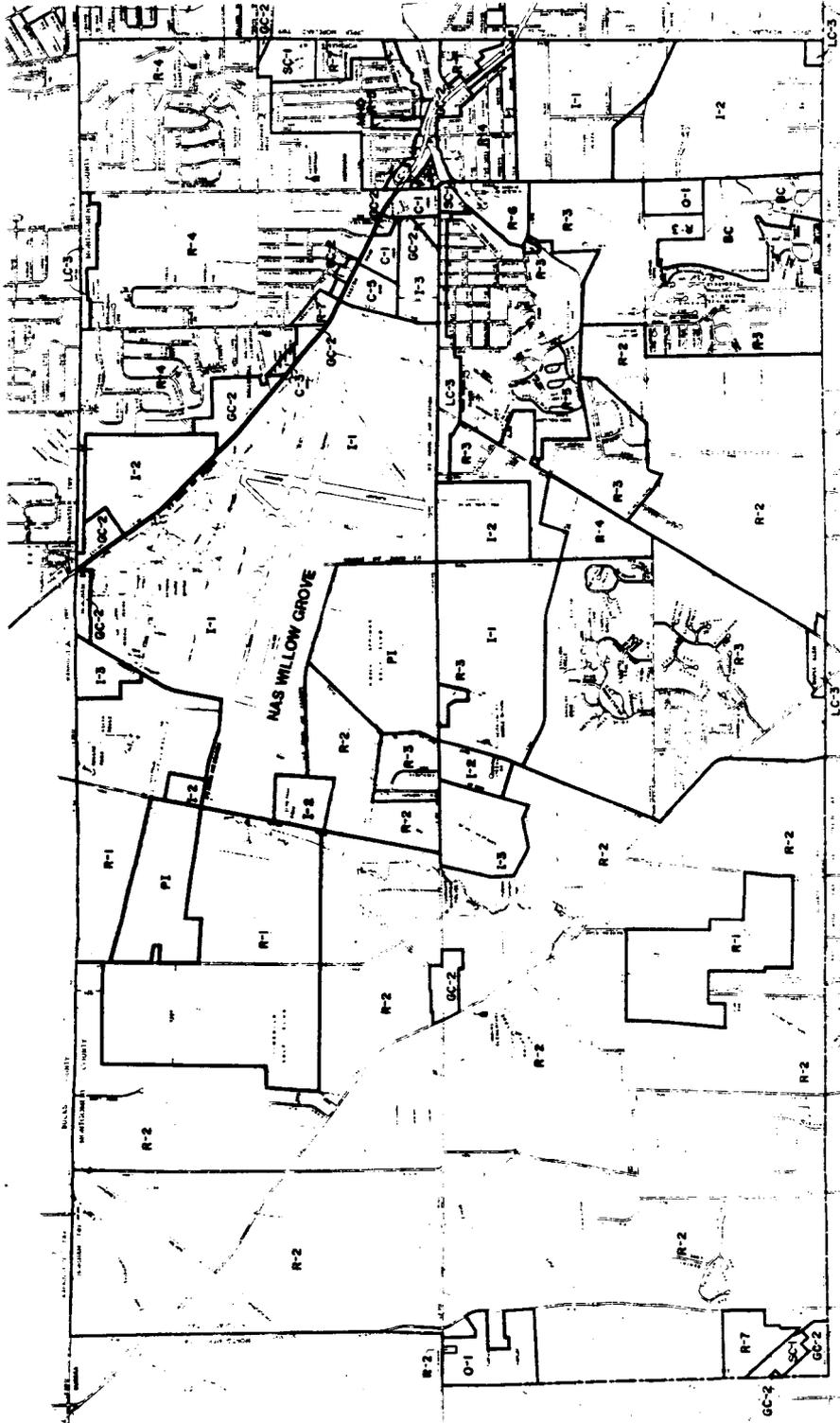
See attached Horsham Township Zoning Map pg. 48A

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

None.

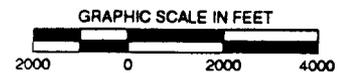
HORSHAM TOWNSHIP ZONING MAP

HORSHAM TOWNSHIP MONTGOMERY COUNTY, PENNSYLVANIA



ZONE CLASSIFICATION	TOTAL AREA	PERCENT TOTAL
R-1	1,400 ACRES	1.0%
R-2	10,000 SQ FT	0.07%
R-3	10,000 SQ FT	0.07%
I-1	10,000 SQ FT	0.07%
I-2	10,000 SQ FT	0.07%
I-3	10,000 SQ FT	0.07%
GC-2	10,000 SQ FT	0.07%
GC-3	10,000 SQ FT	0.07%
O-1	10,000 SQ FT	0.07%
O-2	10,000 SQ FT	0.07%
BC	10,000 SQ FT	0.07%
SC-1	10,000 SQ FT	0.07%

ZONE CLASSIFICATION	TOTAL AREA	PERCENT TOTAL
R-1	1,400 ACRES	1.0%
R-2	10,000 SQ FT	0.07%
R-3	10,000 SQ FT	0.07%
I-1	10,000 SQ FT	0.07%
I-2	10,000 SQ FT	0.07%
I-3	10,000 SQ FT	0.07%
GC-2	10,000 SQ FT	0.07%
GC-3	10,000 SQ FT	0.07%
O-1	10,000 SQ FT	0.07%
O-2	10,000 SQ FT	0.07%
BC	10,000 SQ FT	0.07%
SC-1	10,000 SQ FT	0.07%



NAS WILLOW GROVE
MASTER PLAN



PLATE V-A-4

Features and Capabilities

Ability for Expansion

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

Air Station Feature	Benefit for Aircraft Squadrons
Close Proximity to Major Metropolitan Areas	Large population base to draw/recruit for manning of units.
Excellent Weather	Minimal disruptions due to weather.
Close to Atlantic Ocean	A short distance to open waters for ASW training.
Solid Base Infrastructure	Excellent utilities, airfield, and support facilities.

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

NO.

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

Our operational infrastructure meets current requirements however, it does not provide for future expansion capability. Current aircraft loading fills available parking apron and hangar space with limited space available for surge requirements. An existing Marine A-4 squadron (VMA-131) is expected to be decommissioned in the near future with no replacement announced. This may provide some capability for expansion. Also, the potential exists for some future construction to support additional requirements.

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

	FY-1991	FY-1992	FY-1993
OFFICER	99.3	99.7	99.8
ENLISTED	97.9	97.7	97.4

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

The Air Station does require skilled civilian workers but the type of skills involved are not unique to this area.

Quality of Life

41. Military Housing:

Note: As a result of previous BRAC action NAS JRB Willow Grove will receive 199 enlisted and 6 officer housing units resulting from the realignment of NAWC (AD) Warminster. The planned transition to NAS jurisdiction should take place in FY-95. The numbers below do not reflect this action.

a. Family Housing:

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

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4 +	2	2		
Officer	3	4	4		
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:

Facility type/code:

What makes it inadequate?

What use is being made of the facility?

What is the cost to upgrade the facility to substandard?

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

Current improvement plans and programmed funding:

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

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

Pay Grade	Number of Bedrooms	Number on List1	Average Wait
O-6/7/8/9	1		
	2		
	3	1	12 months
	4+		
O-4/5	1		
	2		
	3	1	12 months
	4+		
O-1/2/3/CWO	1		
	2		
	3	6	12 months
	4+		
E7-E9	1		
	2		
	3		
	4+		
E1-E6	1		
	2		
	3		
	4+		

*As of 31 March 1994

41.a.(5)

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

Top Five Factors Driving the Demand for Base Housing	
1	Cost Savings - High Rent/Cost of Purchase Area
2	Security - Safety
3	Quality of Schools - Education
4	Location - Access to MWR Facilities
5	Distance to Work - Lack of Commute

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

100%

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

Type of Quarters	Utilization Rate
Adequate	98.32%
Substandard	
Inadequate	

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

No.

41.b. BEQ:

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

Type of Quarters	Utilization Rate
Adequate	96%
Substandard	0%
Inadequate	53%

(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?

BEQ #1/#2 are vintage WWII buildings and will be demolished in FY-94. Therefore, many of the rooms in those inadequate quarters are remaining vacant.

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

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

$$AOB = \frac{86 \times 365}{365} = 86$$

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

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	86	100	
Spouse Employment (non-military)	0	0	
Other	0	0	
TOTAL	86	100	

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

41.c. BOQ:

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

Type of Quarters	Utilization Rate
Adequate	25%
Substandard	0%
Inadequate	66%

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

No. We only fill the quarters on three weekends a month with Selected Reserve personnel.

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

AOB = (# Geographic Bachelors x average number of days in barracks)

$$\begin{array}{r}
 \dots\dots\dots \\
 \text{AOB} = \frac{18 \times 365}{365} = 18
 \end{array}$$

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

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	18	100	
Spouse Employment (non-military)	0	0	
Other	0	0	
TOTAL	18	100	

(5) How many geographic bachelors do not live on base? **13**

On Base MWR Facilities

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

LOCATION NAS JRB WILLOW GROVE

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Auto Hobby	Indoor Bays	7	N/A
	Outdoor Bays	0	
Arts/Crafts	SF	-	-
Wood Hobby	SF	-	-
Bowling	Lanes	6	N/A
Enlisted Club	SF	12,200	N/A
Officer's Club	SF	10,479	N/A
Library	SF	2,754	N/A
Library	Books	8,673	N/A
Theater	Seats	-	
ITT	SF	369	N/A
Museum/Memorial	SF	N/A	
Pool (indoor)	Lanes	-	
Pool (outdoor)	Lanes	6	N/A
Beach	LF	-	
Swimming Ponds	Each	-	
Tennis CT	Each	4	N/A

* SF = 6,232

** Two Separate Pools 50 Meter #161,
30 Meter #90

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Volleyball CT (outdoor)	Each	3	N/A
Basketball CT (outdoor)	Each	1	N/A
Racquetball CT	Each	3	N/A
Golf Course	Holes	-	
Driving Range	Tee Boxes	-	
Gymnasium	SF	5,704	N/A
Fitness Center	SF	6,310	N/A
Marina	Berths	-	-
Stables	Stalls	-	
Softball Fld	Each	1	N/A
Football/Softball Fld	Each	1	N/A
Soccer Fld	Each	-	
Youth Center	SF	2,592	N/A
Sauna	Each	520	N/A

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

No.

44. Base Family Support Facilities and Programs

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

Age Category	Capacity (Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Mos	4	X			6*	1YR
6-12 Mos	4	X			10	1YR
12-24 Mos	20	X			8	180
24-36 Mos	24	X			7	120
3-5 Yrs	44	X			5	30

* 19 Unborn infants due 6/94 - 12/94 on the list.

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:

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?

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.

Navy Family Child Care, Civilian Centers, State Licensed In-Home Care

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

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).

Family Child Care at NAWC AD Warminster - Current Capacity - 24 Children (1-5 yrs)

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

Service	Unit of Measure	Qty
Exchange	SF	19,200
Gas Station	SF	-
Auto Repair	SF	-
Auto Parts Store	SF	-
Commissary	SF	-
Mini-Mart	SF	3,840
Package Store	SF	4,291
Fast Food Restaurants	Each	1
Bank/Credit Union	Each	1
Family Service Center	SF	7,335
Laundromat	SF	-
Dry Cleaners	Each	1
ARC	PN	-
Chapel	PN	150
FSC Classrm/Auditorium	PN	-
Post Office	SF	486
Barber Shop	SF	696

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

City	Distance (Miles)
Philadelphia	20
New York City	92
Baltimore	100

47. Standard Rate VHA Data for Cost of Living

Paygrade	With Dependents	Without Dependents
E1	247.69	138.58
E2	247.69	155.16
E3	243.15	179.16
E4	244.26	170.47
E5	287.83	200.96
E6	338.36	230.33
E7	352.10	244.59
E8	415.41	314.05
E9	375.93	285.41
W1	411.13	312.23
W2	385.95	302.71
W3	392.06	318.70
W4	404.02	358.22
O1E	367.72	272.96
O2E	364.94	290.96
O3E	414.74	350.87
O1	340.00	250.54

Paygrade	With Dependents	Without Dependents
02	331.00	258.72
03	398.31	335.35
04	390.27	339.38
05	378.55	313.06
06	353.98	292.99
07	286.39	232.69

48.a. Off-base housing rental and purchase

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

Type Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency	600	430	90
Apartment (1-2 Bedroom)	700	560	125
Apartment (3+ Bedroom)	950	700	150
Single Family Home (3 Bedroom)	1200	750	150
Single Family Home (4+ Bedroom)	1300	850	200
Town House (2 Bedroom)	950	700	135
Town House (3+ Bedroom)	1200	750	150
Condominium (2 Bedroom)	850	650	125
Condominium (3+ Bedroom)	1200	850	150

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

Type Rental	Percent Occupancy Rate
Efficiency	94.5
Apartment (1-2 Bedroom)	93.5
Apartment (3 + Bedroom)	97.4
Single Family Home (3 Bedroom)	95.0
Single Family Home (4 + Bedroom)	95.0
Town House (2 Bedroom)	95.0
Town House (3 + Bedroom)	95.0
Condominium (2 Bedroom)	95.0
Condominium (3 + Bedroom)	95.0

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

Type of Home	Median Cost
Single Family Home (3 Bedroom)	137,400
Single Family Home (4 + Bedroom)	153,700
Town House (2 Bedroom)	110,000
Town House (3 + Bedroom)	130,000
Condominium (2 Bedroom)	75,000
Condominium (3 + Bedroom)	N/A

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

Month	Number of Bedrooms		
	2	3	4+
January	493	2316	615
February	493	2316	615
March	493	2316	615
April	493	2316	615
May	493	2316	615
June	493	2316	615
July	493	2316	615
August	493	2316	615
Sept.	493	2316	615
October	493	2316	615
November	493	2316	615
December	493	2316	615

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

* **Location** - The close proximity to major cities makes the area a prime suburban location.

* **Good Schools**

* **Low Unemployment**

* **Low Crime Rate**

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

Rating	Number Sea Billets in the Local Area	Number of Shore billets in the Local Area
AD	21	12
AW	16	01
AT	31	16
AMS	23	07
AE	22	10

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

Location	% Employees	Distance (mi)	Time(min)
WARMINSTER	17	6	8
DOYLESTOWN/ CHALFONT	15	10	15
HORSHAM/HATBORO	15	3	5
WILLOW GROVE	13	6	10
LANSDALE/NORTH WALES/ MONTGOMERYVILLE	20	10	20

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

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

Institution	Type	Grade Levels	Special Education Available	Annual Enrollment Cost per Student	1993 Avg SAT/ACT score	% HS Grad to Higher Educ	Source of Info
CENTENNIAL SCHOOL/BUCKS	PUB.	K-12	YES	5,545.00-7,383.00	418VER 468MATH	70.0%	SUPER INTENDENT
ABINGTON SCHOOL/MONTGOMERY	PUB	K-12	YES	6,926.00-8,193.00	455VER 515MATH	81.4%	SUPER INTENDENT
HATBORO/HORSHAM SCHOOL/MONTGOMERY	PUB	K-12	YES	5,700.00-8,100.00	451VER 514MATH	74.0%	SUPER INTENDENT

* These are the primary schools attended by Military dependents at NAS JRB.

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

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
BEAVER COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
TEMPLE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
DELAWARE VALLEY COLLEGE	Day	NO	NO	YES	YES	NO
	Night	NO	NO	YES	YES	YES
GWYNEED MERCY COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
PENN STATE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
VILLANOVA UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
DREXEL UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
URSINUS COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
LASALLE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES

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

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational / Technical	Undergraduate		Graduate
				Courses only	Degree Program	
MONTGOMERY COUNTY COMMUNITY COLLEGE	Day	NO	NO	NO	NO	NO
	Night	NO	NO	YES	NO	NO
	Correspondence	NO	NO	NO	NO	NO

52. Spousal Employment Opportunities

Provide the following data on spousal employment opportunities.

Skill Level	Number of Military Spouses Serviced by Family Service Center Spouse Employment Assistance			Local Community Unemployment Rate
	1991	1992	1993	
Professional			1	**
Manufacturing				
Clerical	5	6	11	
Service				
Other	7	5	10	

** - By Local Counties

Bucks 4.6%
Montgomery 4.1%
Philadelphia 7.0%

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

NO.

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

NO.

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

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

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)	N/A -	N/A -	N/A -
Base Personnel - military	-	-	-
Base Personnel - civilian	-	-	-
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
6. Burglary (6N)	2	1	4
Base Personnel - military	2	1	3
Base Personnel - civilian	-	-	1
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
7. Larceny - Ordnance (6R)	N/A -	N/A -	N/A -
Base Personnel - military	-	-	-
Base Personnel - civilian	-	-	-
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
8. Larceny - Government (6S)	4	9	9
Base Personnel - military	3	5	5
Base Personnel - civilian	1	4	1
Off Base Personnel - military	-	-	2
Off Base Personnel - civilian	-	-	1

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)	10	12	20
Base Personnel - military	7	8	14
Base Personnel - civilian	-	1	6
Off Base Personnel - military	3	3	-
Off Base Personnel - civilian	-	-	-
10. Wrongful Destruction (6U)	2	1	4
Base Personnel - military	1	1	3
Base Personnel - civilian	-	-	-
Off Base Personnel - military	1	-	1
Off Base Personnel - civilian	-	-	-
11. Larceny - Vehicle (6V)	1	2	5
Base Personnel - military	1	1	3
Base Personnel - civilian	-	1	-
Off Base Personnel - military	-	-	1
Off Base Personnel - civilian	-	-	1
12. Bomb Threat (7B)	1	2	2
Base Personnel - military	1	2	-
Base Personnel - civilian	-	-	2
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)	N/A -	N/A -	N/A -
Base Personnel - military	-	-	-
Base Personnel - civilian	-	-	-
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
14. Assault (7G)	1	2	2
Base Personnel - military	1	2	2
Base Personnel - civilian	-	-	-
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
15. Death (7H)	1	1	2
Base Personnel - military	1	1	-
Base Personnel - civilian	-	-	1
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	1
16. Kidnapping (7K)	N/A -	N/A -	N/A -
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)	6	5	4
Base Personnel - military	5	4	3
Base Personnel - civilian	-	-	1
Off Base Personnel - military	1	1	-
Off Base Personnel - civilian	-	-	-
19. Perjury (7P)	N/A -	N/A -	N/A -
Base Personnel - military	-	-	-
Base Personnel - civilian	-	-	-
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
20. Robbery (7R)	N/A -	N/A -	N/A -
Base Personnel - military	-	-	-
Base Personnel - civilian	-	-	-
Off Base Personnel - military	-	-	-
Off Base Personnel - civilian	-	-	-
21. Traffic Accident (7T)	18	21	39
Base Personnel - military	14	12	29
Base Personnel - civilian	3	3	8
Off Base Personnel - military	1	1	1
Off Base Personnel - civilian	-	5	1

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

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 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".

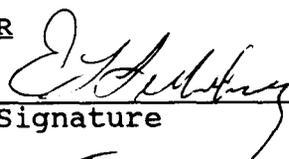
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

CAPT E. L. LEKBERG, USNR
NAME (Please type or print)
COMMANDING OFFICER
Title NAVAL AIR STATION
JOINT RESERVE BASE
WILLOW GROVE, PA 19090-5021
Activity


Signature
4 Jun 94
Date

R

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

DATA CALL 38
ACTIVITY COMMANDER

CAPT E. L. LEKBERG, USNR

NAME (Please type or print)

E L Lekberg
Signature

COMMANDING OFFICER

Title

12/23/94
DATE

NAVAL AIR STATION JOINT RESERVE BASE,
WILLOW GROVE

Activity

Document Separator

BRAC-95 CERTIFICATION

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

MICHAEL D. THORNTON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

NAVAL FACILITIES ENGINEERING COMMAND
Activity



Signature



Date

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

MAJOR CLAIMANT LEVEL

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

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature

12/9/94
Date

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

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

W. A. EARNER

NAME (Please type or print)

Title


Signature

12/17/94
Date

Document Separator

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 E Buffington
Signature

COMMANDER
Title

7/13/94
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

7/18/94
Date

BRAC-95 CERTIFICATION

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

MARK E. DONALDSON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12 July 1994
Date

Enclosure (1)

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

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

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

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

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

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

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

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

Document Separator

**DATA CALL 63
FAMILY HOUSING DATA**

23

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

Installation Name:	NAS Willow Grove PA
Unit Identification Code (UIC):	00158
Major Claimant:	COMNAVRESFOR

Percentage of Military Families Living On-Base:	22%
Number of Vacant Officer Housing Units:	0
Number of Vacant Enlisted Housing Units:	0
FY 1996 Family Housing Budget (\$000):	342.4
Total Number of Officer Housing Units:	3
Total Number of Enlisted Housing Units:	41

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

NORTHNAVFACENCOM
Activity



Signature
7/7/94

Date

**DATA CALL 66
INSTALLATION RESOURCES**

23

Activity Information:

Activity Name:	NAS WILLOW GROVE, PA
UIC:	00158
Host Activity Name (if response is for a tenant activity):	
Host Activity UIC:	

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

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

a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead).

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

**DATA CALL 66
INSTALLATION RESOURCES**

lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: NAS WILLOW GROVE, PA		UIC: 00158	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	1191	1450	2641
1b. Minor Construction	63		63
1c. Sub-total 1a. and 1b.	1254	1450	2704
2. Other Base Operating Support Costs:			
2a. Utilities	1867		1867
2b. Transportation			
2c. Environmental	390	123	513
2d. Facility Leases			
2e. Morale, Welfare & Recreation	301	929	1230
2f. Bachelor Quarters	98	74	172
2g. Child Care Centers	76		76
2h. Family Service Centers	206		206
2i. Administration	2063	5493	7556
2j. Other (Specify) - Basecomm AIMD	524	49 365	573 365
2k. Sub-total 2a. through 2j:	5525	7033	12558
3. Grand Total (sum of 1c. and 2k.):	6779	8483	15262

**DATA CALL 66
INSTALLATION RESOURCES**

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

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

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

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

**DATA CALL 66
INSTALLATION RESOURCES**

N/A

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: NAS WILLOW GROVE, PA		UIC: 00158	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)			
1b. Real Property Maintenance (<\$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

**DATA CALL 66
INSTALLATION RESOURCES**

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

Table 2 - Services/Supplies Cost Data	
Activity Name: NAS WILLOW GROVE, PA	UIC: 00158
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	177
Material and Supplies (including equipment):	1293
Industrial Fund Purchases (other DBOF purchases):	549
Transportation:	
Other Purchases (Contract support, etc.):	4760
Total:	6779

**DATA CALL 66
INSTALLATION RESOURCES**

3. Contractor Workyears.

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

Table 3 - Contract Workyears	
Activity Name: NAS WILLOW GROVE, PA	UIC: 00158
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	27
Facilities Support:	62
Mission Support:	29
Procurement:	
Other:* Messmen's contract and Family Service Center Contract	21
Total Workyears:	139

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

**DATA CALL 66
INSTALLATION RESOURCES**

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

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)): 139.0

2) Estimated number of workyears which would be eliminated: 0

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area): 0

**DATA CALL 66
INSTALLATION RESOURCES**

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

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

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

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

T. F. HALL, RADM, USN

TF Hall

NAME (Please type or print)

Signature

COMMANDER NAVAL RESERVE FORCE

7/14/94

Title

Date

COMNAVRESFOR, WASHINGTON, D.C.

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

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

P. M. NIGH

NAME (Please type or print)

DEPUTY CHIEF OF STAFF

Title

CODE 06

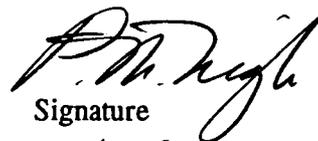
Division

FINANCIAL MANAGEMENT

Department

COMMANDER NAVAL RESERVE FORCE

Activity



Signature

7/13/94

Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

T. F. HALL, RADM, USN

TF Hall

NAME (Please type or print)

Signature

COMMANDER NAVAL RESERVE FORCE

7/14/94

Title

Date

COMNAVRESFOR, WASHINGTON, D.C.

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

W. A. Earner

NAME (Please type or print)

Signature

Title

Date

8/8/94

23

**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:	NAVAL AIR STATION JOINT RESERVE BASE WILLOW GROVE PA
UIC:	00158
Major Claimant:	COMMANDER, NAVAL RESERVE FORCE

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:	29,623
--	---------------

Source of Data (1.a. Salary Rate): DEFENSE CIVILIAN PERSONNEL DATA SYSTEM (DCPDS)
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DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

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

County of Residence	State	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
MONTGOMERY	PA	790	102	25%	7	15
BUCKS	PA	1335	115	41%	6	12
PHILADELPHIA	PA	362	38	11%	20	25
BURLINGTON	NJ	131	18	4%	31	45
OTHER	-	621	32	19%	-	-
TOTALS	-	3257	287	100%	-	-

NOTE: The 111th Fighter Group (FG) of the Pennsylvania Air National Guard and the 913th Air Group (AG) are located at the Air Force Reserve Facility, Willow Grove Air Reserve Station, which is contiguous to NAS JRB Willow Grove and utilizes the same runway. This facility is required to submit a separate BRAC Data Call.

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.

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

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:

**Naval Air Warfare Center (Aircraft Division) Warminster, PA - Bucks County
Fort Dix, NJ - Burlington County**

**Source of Data (1.b. 1) & 2) Residence Data): DCPDS\MANPOWER DIVISION
PERSONNEL DATABASE**

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	17

**Source of Data (1.c. Metro Areas): OFFICIAL TABLE OF DISTANCES MANUAL
(OTD)**

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	1	0.4%
20 - 24 Years	5	1.7%
25 - 34 Years	56	19.5%
35 - 44 Years	108	37.6%
45 - 54 Years	86	30.0%
55 - 64 Years	25	8.7%
65 or Older	6	2.1%
TOTAL	287	100 %

Source of Data (1.d.) Age Data): DCPDS

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

e. Education Level of Civilian Workforce

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

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less	0	0.0%
9th through 11th Grade	10	3.5%
12th Grade or High School Equivalency	204	71.0%
1-3 Years of College	57	19.9%
4 Years of College (Bachelors Degree)	12	4.2%
5 or More Years of College (Graduate Work)	4	1.4%
TOTAL	287	100 %

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

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	12
Associate Degree	12
Bachelor Degree	12
Masters Degree	3
Doctorate	0

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

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

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	0	0.0%
2. Construction (includes facility maintenance and repair)	15-17	40	13.9%
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	0	0.0%
3b. Aircraft (includes engines and missiles)	3721 et al	8	2.7%
3c. Ships	3731	0	0.0%
3d. Other Transportation (includes ground vehicles)	various	0	0.0%
3e. Other Manufacturing not included in 3a. through 3d.	various	0	0.0%
Sub-Total 3a. through 3e.	20-39	48	16.6%

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40	0	0.0%
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	28	9.8%
4c. Water Transportation (includes organizational level maintenance)	44	0	0.0%
4d. Air Transportation (includes organizational level maintenance)	45	41	14.2%
4e. Other Transportation Services (includes organizational level maintenance)	47	0	0.0%
4f. Communications	48	2	0.8%
4g. Utilities	49	9	3.0%
Sub-Total 4a. through 4g.	40-49	80	27.8%
5. Services	70-89		
5a. Lodging Services	70	0	0.0%
5b. Personal Services (includes laundry and funeral services)	72	2	0.8%
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	62	21.8%
5d. Automotive Repair and Services	75	1	0.3%
5e. Other Misc. Repair Services	76	0	0.0%
5f. Motion Pictures	78	0	0.0%
5g. Amusement and Recreation Services	79	7	2.4%
5h. Health Services	80	4	1.4%
5i. Legal Services	81	0	0.0%

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
5j. Educational Services	82	15	5.2%
5k. Social Services	83	4	1.4%
5l. Museums	84	0	0.0%
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	20	7.0%
5n. Other Misc. Services	89	0	0.0%
Sub-Total 5a. through 5n.:	70-89	115	40.0%
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91	0	0.0%
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	41	14.3%
6c. Public Finance	93	0	0.0%
6d. Environmental Quality and Housing Programs	95	3	1.0%
Sub-Total 6a. through 6d.		44	15.3%
TOTAL		287	100 %

Source of Data (1.f.) Classification By Industry Data): DCPDS

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

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

Occupation	Number of Civilian Employees	Percent of Civilian Employees
1. Executive, Administrative and Management	41	14.3%
2. Professional Specialty		
2a. Engineers	3	1.0%
2b. Architects and Surveyors	0	0.0%
2c. Computer, Mathematical & Operations Research	0	0.0%
2d. Life Scientists	0	0.0%
2e. Physical Scientists	0	0.0%
2f. Lawyers and Judges	0	0.0%
2g. Social Scientists & Urban Planners	0	0.0%
2h. Social & Recreation Workers	11	3.8%
2i. Religious Workers	0	0.0%
2j. Teachers, Librarians & Counselors	1	0.3%
2k. Health Diagnosing Practitioners (Doctors)	0	0.0%
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)	1	0.3%

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Occupation	Number of Civilian Employees	Percent of Civilian Employees
2m. Communications	2	0.7%
2n. Visual Arts	4	1.4%
Sub-Total 2a. through 2n.:	22	7.7%
3. Technicians and Related Support		
3a. Health Technologists and Technicians	0	0.0%
3b. Other Technologists	8	2.8%
Sub-Total 3a. and 3b.:	8	2.8%
4. Administrative Support & Clerical	80	27.9%
5. Services		
5a. Protective Services (includes guards, firefighters, police)	39	13.6%
5b. Food Preparation & Service	2	0.7%
5c. Dental/Medical Assistants/Aides	0	0.0%
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	13	4.9%
Sub-Total 5a. through 5d.	54	18.2%
6. Agricultural, Forestry & Fishing	0	0.0%
7. Mechanics, Installers and Repairers	30	10.5%
8. Construction Trades	26	9.2%
9. Production Occupations	1	0.3%
10. Transportation & Material Moving	19	6.6%
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	5	1.7%
TOTAL	287	100 %

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.g.) Classification By Occupation Data): DCPDS

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:	47%
2. Percentage of Military Spouses Who Work Outside of the Home:	47%
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home".	
3a. Employed "On-Base" - Appropriated Fund:	4.4%
3b. Employed "On-Base" - Non-Appropriated Fund:	0.7%
3c. Employed "Off-Base" - Federal Employment:	1.8%
3d. Employed "Off-Base" - Other Than Federal Employment	93.1%

Source of Data (1.h.) Spouse Employment Data): MILITARY PERSONNEL DATABASE/GENERAL SURVEY/MWR FILES
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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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.

Not Applicable

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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:	-	-	-
Water Supply	A	A	B
Water Distribution	A	A	B
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	B
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	B
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.

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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.

Not Applicable

**Source of Data (2.a. 1) & 2) - Local Community Table): NAS JRB WILLOW
GROVE MASTER PLAN/PUBLIC
WORKS EMPLOYEES**

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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

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

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

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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.

Not Applicable

**Source of Data (2.b. 1) & 2) - Regional Table): MASTER PLAN/PUBLIC WORKS
STAFF**

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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: **5%**

Units for Sale: **5%**

Source of Data (3.a. Off-Base Housing): NAWC HOUSING OFFICE/BUCKS AND MONTGOMERY COUNTY PLANNING COMMISSIONS

**DATA CALL 65
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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	
PHILADELPHIA	PHILADELPHIA	172	41	31	200,719	NOT LISTED	29 TO 1	NOT AVAIL	NO
NORTH PENN	MONTGOMERY	13	3	1	11,581	NOT LISTED	16 TO 1	NOT AVAIL	NO
HATBORO/HORSHAM	MONTGOMERY	5	1	1	5,700	NOT LISTED	25 TO 1	NOT AVAIL	NO
ABINGTON **	MONTGOMERY	7	1	1	6,926	NOT LISTED	25 TO 1	NOT AVAIL	NO
CHELLENHAM	MONTGOMERY	5	1	1	4,500	NOT LISTED	23 TO 1	NOT AVAIL	NO
CENTENNIAL	BUCKS	6	2	1	6,225	NOT LISTED	21.9 TO 1	NOT AVAIL	NO

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

** Includes one special education school kindergarten through 12th grade.

Source of Data (3.b.1) Education Table): PHONE LIAISON WITH EACH SCHOOL DISTRICT

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

None.

Source of Data (3.b.2) On-Base Schools): N/A

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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 :

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
BEAVER COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
TEMPLE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
DELAWARE VALLEY COLLEGE	Day	NO	NO	YES	YES	NO
	Night	NO	NO	YES	YES	YES
GWYNEED MERCY COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
PENN STATE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
VILLANOVA UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
DREXEL UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
URSINUS COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
LASALLE UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES

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Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
ST. JOSEPH'S UNIVERSITY	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
GRATZ COLLEGE	Day	YES	NO	YES	YES	YES
	Night	YES	NO	YES	YES	YES
NEUMANN COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
PHILADELPHIA COLLEGE OF TEXTILES AND SCIENCE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
MANOR JUNIOR COLLEGE	Day	NO	NO	YES	YES	NO
	Night	NO	NO	YES	YES	NO
CABRINI COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
BRYN MAWR COLLEGE	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
UNIVERSITY OF PENNSYLVANIA	Day	NO	NO	YES	YES	YES
	Night	NO	NO	YES	YES	YES
MONTGOMERY COUNTY COMMUNITY COLLEGE	Day	NO	NO	NO	NO	NO
	Night	NO	NO	YES	NO	NO
	Correspondence	NO	NO	NO	NO	NO

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Source of Data (3.b.3) Colleges): UNIVERSITY CATALOGS

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:

Bucks County Vocational School and Eastern Montgomery County Area Vocational/Technical School offer various fields of study including: computerized information systems, commercial art, auto body, auto mechanics, electronics, food management production and service, horticulture, cosmetology, health occupations, carpentry, plumbing, electrical operations, welding, and engineering.

**Source of Data (3.b.4) Vo-tech Training): PHONCON WITH LOCAL GUIDANCE
COUSELORS**

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c. Transportation.

1) Is the activity served by public transportation?

Yes No

Bus:

Rail:

Subway:

Ferry:

**Source of Data (3.c.1) Transportation): NAS JRB WILLOW GROVE MASTER
PLAN**

2) Identify the location of the nearest passenger railroad station (long distance rail service, not commuter service within a city) and the distance from the activity to the station.

The nearest long distance passenger rail station is the 30th street station in Center City, Philadelphia. It is 20 miles from the Air Station. It is accessible by commuter rail service located two miles from the Air Station.

**Source of Data (3.c.2) Transportation): NAS JRB WILLOW GROVE MASTER
PLAN**

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.

The nearest commercial airport is Philadelphia International Airport (PHL) which is 30 miles from the Air Station.

**Source of Data (3.c.3) Transportation): NAS JRB WILLOW GROVE MASTER
PLAN**

4) How many carriers are available at this airport?

There are eleven carriers available at PHL.

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**Source of Data (3.c.4) Transportation): PHILADELPHIA AIRPORT MANAGERS
OFFICE**

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

The nearest interstate highway is the Pennsylvania Turnpike Route 276. It its four miles South of NAS JRB Willow Grove.

**Source of Data (3.c.5) Transportation): NAS JRB WILLOW GROVE MASTER
PLAN**

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.)

Three gates provide commuting access to the station. Two are on PA Route 611 and one is on PA Route 463. Route 611 is a four lane major regional highway with a capacity of 26,000 vehicles per hour. Route 463 and other feeder roads to the station are two lanes. While traffic volumes are normally moderate, rush hour traffic is congested at intersections especially on Route 611. The highest volumes are normally after station traffic has subsided. The general condition of the road system is fair.

b) Do access roads transit residential neighborhoods?

No.

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

Some expansion of the access road system is possible. Alternatives are currently being investigated for possible widening of Route 463. The lack of available land makes large scale expansion unlikely.

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

No.

**Source of Data (3.c.6) Transportation): PA DEPARTMENT OF
TRANSPORTATION/PUBLIC WORKS STAFF**

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. Mutual Support agreements are in effect with Horsham Fire Company, Warminster Fire Company, Hatboro Fire Company, Warrington Fire Company, Willow Grove Fire Company for fire protection.

**Source of Data (3.d. Fire/Hazmat): NAS JRB WILLOW GROVE FIRE
DEPT/ENVIRONMENTAL DEPT.**

e. **Police Protection.**

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

Concurrent.

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.

No.

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

No.

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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): COMMAND SECURITY DEPARTMENT REGULATIONS
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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.

Yes. A contract is in effect with Philadelphia Electric Company for electricity and natural gas. Also contracts are in effect for refuse disposal with Waste System Authority of Eastern Montgomery Company and Paper Recycling Company.

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 activity has not been subject to "brown outs" or "rolling black outs", however, occasional black outs due to severe weather have occurred lasting at most one hour.

Source of Data (3.f. 1) - 3) Utilities): CONTRACT FILES/PUBLIC WORKS STAFF

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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. BELL ATLANTIC CORPORATION	TELECOMMUNICATIONS	40,150
2. SMITH KLINE BEECHAM	PHARMACEUTICALS	36,323
3. SUN DISTRIBUTORS L. P.	INDUSTRIAL PRODUCTS	35,760
4. CONSOLIDATED RAIL CORPORATION	FREIGHT RAILROAD	33,437
5. SCOTT PAPER COMPANY	PAPER PRODUCTS	25,410
6. ROHM AND HAAS COMPANY	INDUSTRIAL CHEMICALS	12,021
7. UNISYS CORPORATION	COMPUTER PRODUCTS	11,500
8. PHILADELPHIA ELECTRIC COMPANY	ELECTRIC/GAS UTILITY	8,300
9. CORE STATES BANKS	BANKING SERVICES	6,000
10. CIGNA CORPORATION	BANKING SERVICES	4,700

**Source of Data (4. Business Profile): THE GREATER PHILADELPHIA JOB BANK-
1994**

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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:**

Although there have been no significant losses of employers in the region in recent years, the closing of Naval Base Philadelphia and Naval Air Warfare Center, Warminster will have a negative economic impact on the Philadelphia region.

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

There has been no significant increase in new business or industry in the region.

c. **Natural Disasters:**

There have been no natural disasters in recent years.

d. **Overall Economic Trends:**

Although the general economy has shown signs of improving from the recession of the early 1990's, this area has felt a somewhat stagnated growth impact brought on by the closing of Naval Base Philadelphia as well as Naval Air Warfare Center, Warminster, PA. However, the overall long term economic forecast is favorable for expansion and growth consistent with national economic policy.

**Source of Data (5. Other Socio/Econ): DEPARTMENT OF LABOR AND
INDUSTRY (PHILADELPHIA)**

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

Active Duty and Reserve sailors and seabees assigned to NAS JRB Willow Grove perform community support construction work on a regular basis.

Source of Data (6. Other): PUBLIC AFFAIRS OFFICE

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
NEXT ECHELON LEVEL (if applicable)

J. D. OLSON II, RADM, USNR
NAME (Please type or print)
Commander, Naval Air Reserve Force
Title
COMNAVAIRESFOR New Orleans, LA
Activity

[Signature]
Signature
7/5/94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Title

Activity

Signature

Date

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

T. F. HALL, RADM, USN
NAME (Please type or print)
Commander, Naval Reserve Force
Title
COMNAVRESFOR Washington D. C.
Activity

[Signature]
Signature
7/25/94
Date

**and: Chief of Naval Operations (N095)
2000 Navy Pentagon
Washington, DC 20350-2000**

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.
DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Title

Signature

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 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

E. L. LEKBERG, CAPT, USNR
NAME (Please type or print)


Signature

Commanding Officer
Title

13 July 94
Date

Naval Air Station
Joint Reserve Base, Willow Grove
Activity

23

**DATA CALL 66
INSTALLATION RESOURCES**

Activity Information:

Activity Name:	MWSS-474 (-)	PHILADELPHIA	PA
UIC:	67431		
Host Activity Name (if response is for a tenant activity):	US NAVY (owns) unit will move to willow grove, PA Due to '91 closure		
Host Activity UIC:	00158		

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). 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 budget 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 activity 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.

**DATA CALL 66
INSTALLATION RESOURCES**

TABLE 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: MWSS-474 (-) PHILADELPHIA PA			UIC: 67431
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	\$0.00	0.00	\$0.00
1b. Minor Construction	0.00	0.00	0.00
1c. Sub-total 1a. and 1b.	\$0.00	0.00	\$0.00
2. Other Base Operating Support Costs:			
2a. Utilities	\$79,788.00	0.00	\$79,788.0
2b. Transportation	\$6,588.00	0.00	\$6,588.0
2c. Environmental	\$0.00	0.00	\$0.0
2d. Facility Leases	\$0.00	0.00	\$0.0
2e. Morale, Welfare & Recreation	\$0.00	0.00	\$0.0
2f. Bachelor Quarters	\$0.00	0.00	\$0.0
2g. Child Care Centers	\$0.00	0.00	\$0.00
2h. Family Service Centers	\$0.00	0.00	\$0.00
2i. Administration	\$32,208.00	0.00	\$32,208.0
2j. Other (Specify)	\$18,300.00	0.00	\$18,300.0
2k. Sub-total 2a. through 2j :	\$136,884.00	0.00	\$136,884.0
3. Grand Total (sum of 1c. and 2k.) :	\$136,884.00	0.00	\$136,884.00

DATA CALL 66
INSTALLATION RESOURCES

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

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

Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

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

Enclosure (5)

**DATA CALL 66
INSTALLATION RESOURCES**

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: MWSS-474 (-) PHILADELPHIA PA			UIC: 67431
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)			N/A
1b. Real Property Maintenance (<\$15K)			N/A
1c. Minor Construction (Expensed)			N/A
1d. Minor Construction (Capital Budget)			N/A
1e. Sub-total 1a. through 1d.			N/A
2. Other Base Operating Support Costs:			
2a. Command Office			N/A
2b. ADP Support			N/A
2c. Equipment Maintenance			N/A
2d. Civilian Personnel Services			N/A
2e. Accounting/Finance			N/A
2f. Utilities			N/A
2g. Environmental Compliance			N/A
2h. Police and Fire			N/A
2i. Safety			N/A
2j. Supply and Storage Operations			N/A
2k. Major range Test Facility Base Costs			N/A
2l. Other (Specify)			N/A
2m. Sub-total 2a. through 2l:			N/A
3. Depreciation			N/A
4. Grand Total (sum of 1c., 2m., and 3.):			N/A

**DATA CALL 66
INSTALLATION RESOURCES**

2. **Services/Supplies Cost Data.** The purpose of Table 2 is to provide information about projected FY 1996 costs for the purchase of services and supplies by the activity. (Note: unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.) The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-heading 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: MWSS-474 (-) PHILADELPHIA PA	UIC: 67431
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	\$17,734.06
Material and Supplies (including equipment):	\$59,273.41
Industrial Fund Purchases (other DBOF purchases):	\$0.00
Transportation:	\$0.00
Other Purchases (Contract support, etc.):	\$59,876.53
Total:	\$136,884.00

**DATA CALL 66
INSTALLATION RESOURCES**

3. Contractor Workyears.

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

Table 3 - Contract Workyears	
Activity Name: MWSS-474 (-) PHILADELPHIA PA	UIC: 67431
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	N/A
Facilities Support:	N/A
Mission Support:	N/A
Procurement:	N/A
Other: *	N/A
Total Workyears: **	N/A

Note:

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

** Contract workyears are insignificant and not recoverable.

**DATA CALL 66
INSTALLATION RESOURCES**

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

N/A

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

N/A

2) Estimated number of workyears which would be eliminated:

N/A

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

N/A

Note: ****Contract workyears are insignificant and not recoverable.**

Enclosure (5)

**DATA CALL 66
INSTALLATION RESOURCES**

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

**See Note

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

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

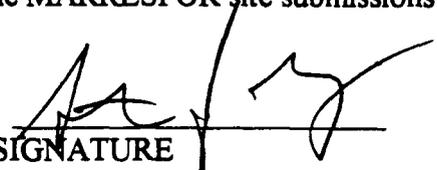
Note: **Contract workyears are insignificant and not recoverable.

Enclosure (5)

BRAC-95 CERTIFICATION
DATA CALL: 66
INSTALLATION RESOURCES

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief. The attached 191 formats represent the MARRESFOR site submissions for BRAC 66.

LtCol Steven J. Gaffney
NAME


SIGNATURE

Assistant Chief of Staff, Comptroller
TITLE

20 Sept '94
DATE

Comptroller
DEPARTMENT

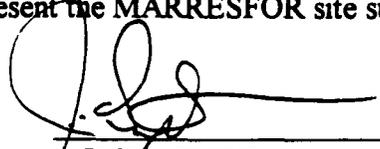
MARRESFOR
ACTIVITY

Enclosure (2)

BRAC-95 CERTIFICATION
DATA CALL: 66
INSTALLATION RESOURCES

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief. The attached 191 formats represent the MARRESFOR site submissions for BRAC 66.

J. E. LIVINGSTON
NAME



SIGNATURE



DATE

COMMANDING GENERAL
TITLE

COMMAND
DEPARTMENT

MARRESFOR
ACTIVITY

Enclosure (1)

Data Call 66
MARRESFOR

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print

Signature

Title

Date

Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print

Signature

Title

Date

Activity

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

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

J.A. BRADY

Please type of print
DEUTENANT **MARINE CORPS**
DEPUTY CHIEF
INSTALLATIONS AND LOGISTICS



Signature

10/25/94

Date

23

**ENVIRONMENTAL DATA CALL:
DATA CALL NUMBER THIRTY THREE
NAVAL AIR STATION WILLOW GROVE, PA**

26 MAY 1994

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

INDEX

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ENVIRONMENTAL DATA CALL

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

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

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

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

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

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

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

SPECIES (PLANT OR ANIMAL)	DESIGNATION (THREATENED/ ENDANGERED)	FEDERAL/ STATE	CRITICAL / DESIGNATED HABITAT (ACRES)	IMPORTANT HABITAT (ACRES)
EXAMPLE: HALIAEETUS LEUCOCEPHALUS - BALD EAGLE	THREATENED	FEDERAL	25	0
PEREGRINE FALCON	ENDANGERED	FEDERAL	375	0
PASPALUM LAEVE (HAIRY BEADGRASS)	THREATENED	STATE	12	0

SOURCE CITATION: 50 CFR 17.11 & 17.12/WETLANDS & NATURAL RESOURCES PLAN, PREPARED BY NORTHNAVFACENGCOM, 4 Nov94

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

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
PEREGRINE FALCON	ENDANGERED	FEDERAL	375	0
PASPALUM LAEVE (HAIRY BEADGRASS)	THREATENED	STATE	12	0

SOURCE CITATION: 50 CFR 17.11 & 17.12/WETLANDS & NATURAL RESOURCES PLAN,
PREPARED BY NORTHNAVFACENCOM, ~~4 Nov 94~~ MAY 1992

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1b.

HAVE YOUR BASE OPERATIONS OR DEVELOPMENT PLANS BEEN CONSTRAINED DUE TO: - USFWS OR NATIONAL MARINE FISHERIES SERVICE (NMFS)? - STATE REQUIRED MODIFICATIONS OR CONSTRAINTS? IF SO, IDENTIFY BELOW THE IMPACT OF THE CONSTRAINTS INCLUDING ANY RESTRICTIONS ON LAND USE.	NO
ARE THERE ANY REQUIREMENTS RESULTING FROM SPECIES NOT RESIDING ON BASE, BUT WHICH MIGRATE OR ARE PRESENT NEARBY? IF SO, SUMMARIZE THE IMPACT OF SUCH CONSTRAINTS.	NO

1c. IF THE AREA OF THE HABITAT AND THE ASSOCIATED SPECIES HAVE NOT BEEN IDENTIFIED ON BASE MAPS PROVIDED IN DATA CALL 1, SUBMIT THIS INFORMATION ON AN UPDATED VERSION OF DATA CALL 1 MAP.
PREVIOUSLY SUBMITTED IN DATA CALL 1

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
--	----

1e.

WILL ANY STATE OR LOCAL LAWS AND/OR REGULATIONS APPLYING TO ENDANGERED/THREATENED SPECIES WHICH HAVE BEEN ENACTED OR PROMULGATED BUT NOT YET EFFECTED, CONSTRAIN BASE OPERATIONS OR DEVELOPMENT PLANS BEYOND THOSE ALREADY IDENTIFIED? EXPLAIN.	NO
---	----

2. WETLANDS

NOTE: JURISDICTIONAL WETLANDS ARE THOSE AREAS THAT MEET THE WETLAND DEFINITIONAL CRITERIA DETAILED IN THE CORPS OF ENGINEERS (COE) WETLAND DELINEATION MANUAL, 1987, TECHNICAL REPORT Y-87-1, U.S. ARMY ENGINEER WATERWAY EXPERIMENT STATION, VICKSBURG, MS OR OFFICIALLY ADAPTED STATE DEFINITIONS.

2a.

DOES YOUR BASE POSSESS FEDERAL JURISDICTIONAL WETLANDS?	YES
HAS A WETLANDS SURVEY IN ACCORDANCE WITH ESTABLISHED STANDARDS BEEN CONDUCTED FOR YOUR BASE?	NO
WHEN WAS THE SURVEY CONDUCTED OR WHEN WILL IT BE CONDUCTED? / /	N/A
WHAT PERCENT OF THE BASE HAS BEEN SURVEYED?	N/A
WHAT IS THE TOTAL ACREAGE OF JURISDICTIONAL WETLANDS PRESENT ON YOUR BASE?	35 ACRES

SOURCE CITATION: N/A

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. SUBMITTED IN DATA CALL 1

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? YES. IF YES, SUMMARIZE THE RESULTS OF SUCH MODIFICATIONS OR CONSTRAINTS.

1.) COE AND STATE AGREED TO ALLOW FILLING OF .5 ACRES OF WETLANDS FOR THE PURPOSE OF CONSTRUCTION OF A NEW BUILDING AND TO IMPROVE STORM WATER DRAINAGE.

2.) COE AND STATE ARE PRESENTLY REVIEWING APPLICATION TO MINOR REROUTING OF STREM TO AVOID FLOODING.

NAS WILLOW GROVE

2. WETLANDS

NOTE: JURISDICTIONAL WETLANDS ARE THOSE AREAS THAT MEET THE WETLAND DEFINITIONAL CRITERIA DETAILED IN THE CORPS OF ENGINEERS (COE) WETLAND DELINEATION MANUAL, 1987, TECHNICAL REPORT Y-87-1, U.S. ARMY ENGINEER WATERWAY EXPERIMENT STATION, VICKSBURG, MS OR OFFICIALLY ADAPTED STATE DEFINITIONS.

2a.

DOES YOUR BASE POSSESS FEDERAL JURISDICTIONAL WETLANDS?	YES
HAS A WETLANDS SURVEY IN ACCORDANCE WITH ESTABLISHED STANDARDS BEEN CONDUCTED FOR YOUR BASE?	NO
WHEN WAS THE SURVEY CONDUCTED OR WHEN WILL IT BE CONDUCTED? / /	N/A
WHAT PERCENT OF THE BASE HAS BEEN SURVEYED?	N/A
WHAT IS THE TOTAL ACREAGE OF JURISDICTIONAL WETLANDS PRESENT ON YOUR BASE?	35 ACRES

SOURCE CITATION: N/A

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. SUBMITTED IN DATA CALL 1

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? YES. IF YES, SUMMARIZE THE RESULTS OF SUCH MODIFICATIONS OR CONSTRAINTS.

- 1.) COE AND STATE AGREED TO ALLOW FILLING OF .5 ACRES OF WETLANDS FOR THE PURPOSE OF CONSTRUCTION OF A NEW BUILDING AND TO IMPROVE STORM WATER DRAINAGE.
- 2.) COE AND STATE ARE PRESENTLY REVIEWING APPLICATION TO MINOR REROUTING OF ~~STREAM~~ STREAM TO AVOID FLOODING.

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3. CULTURAL RESOURCES

3A.

HAS A SURVEY BEEN CONDUCTED TO DETERMINE HISTORIC SITES, STRUCTURES, DISTRICTS OR ARCHAEOLOGICAL RESOURCES WHICH ARE LISTED, OR DETERMINED ELIGIBLE FOR LISTING, ON THE NATIONAL REGISTER OF HISTORIC PLACES? IF SO, LIST THE SITES BELOW.	YES
--	-----

3B.

HAS THE PRESIDENT'S ADVISORY COUNCIL ON HISTORIC PRESERVATION OR THE COGNIZANT STATE HISTORIC PRESERVATION OFFICER REQUIRED YOU TO MITIGATE OR CONSTRAIN BASE OPERATIONS OR DEVELOPMENT PLANS IN ANY WAY IN ORDER TO ACCOMMODATE A NATIONAL REGISTER CULTURAL RESOURCE? IF YES, LIST THE RESULTS OF SUCH MODIFICATIONS OR CONSTRAINTS BELOW.	NO
--	----

3c.

ARE THERE ANY ON BASE AREAS IDENTIFIED AS SACRED AREAS OR BURIAL SITES BY NATIVE AMERICANS OR OTHERS? LIST BELOW.	NO
---	----

NAS WILLOW GROVE

3. CULTURAL RESOURCES

3a.

HAS A SURVEY BEEN CONDUCTED TO DETERMINE HISTORIC SITES, STRUCTURES, DISTRICTS OR ARCHAEOLOGICAL RESOURCES WHICH ARE LISTED, OR DETERMINED ELIGIBLE FOR LISTING, ON THE NATIONAL REGISTER OF HISTORIC PLACES? IF SO, LIST THE SITES BELOW.	YES
--	-----

NONE

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3b.

HAS THE PRESIDENT'S ADVISORY COUNCIL ON HISTORIC PRESERVATION OR THE COGNIZANT STATE HISTORIC PRESERVATION OFFICER REQUIRED YOU TO MITIGATE OR CONSTRAIN BASE OPERATIONS OR DEVELOPMENT PLANS IN ANY WAY IN ORDER TO ACCOMMODATE A NATIONAL REGISTER CULTURAL RESOURCE? IF YES, LIST THE RESULTS OF SUCH MODIFICATIONS OR CONSTRAINTS BELOW.	NO
--	----

3c.

ARE THERE ANY ON BASE AREAS IDENTIFIED AS SACRED AREAS OR BURIAL SITES BY NATIVE AMERICANS OR OTHERS? LIST BELOW.	NO
---	----

4. ENVIRONMENTAL FACILITIES

NOTES: IF YOUR FACILITY IS PERMITTED FOR LESS THAN MAXIMUM CAPACITY, STATE THE MAXIMUM CAPACITY AND EXPLAIN BELOW THE ASSOCIATED TABLE WHY IT IS NOT PERMITTED FOR MAXIMUM CAPACITY. UNDER "PERMIT STATUS" STATE WHEN THE PERMIT EXPIRES, AND WHETHER THE FACILITY IS OPERATING UNDER A WAIVER. FOR PERMIT VIOLATIONS, LIMIT THE LIST TO THE LAST 5 YEARS.

4a.

DOES YOUR BASE HAVE AN OPERATING LANDFILL?				NO	
ID/LOCATION OF LANDFILL	PERMITTED CAPACITY (CYD)		MAXIMUM CAPACITY (CYD)	CONTENTS ¹	PERMIT STATUS
	TOTAL	REMAINING			

¹ CONTENTS (E.G. BUILDING DEMOLITION, ASBESTOS, SANITARY DEBRIS, ETC)
 ARE THERE ANY CURRENT OR PROGRAMMED PROJECTS TO CORRECT DEFICIENCIES OR IMPROVE THE FACILITY.

N/A

4b. IF THERE ARE ANY NON-NAVY USERS OF THE LANDFILL, DESCRIBE THE USER AND CONDITIONS/AGREEMENTS.

N/A

4c.

DOES YOUR BASE HAVE ANY DISPOSAL, RECYCLING, OR INCINERATION FACILITIES FOR SOLID WASTE?					YES
FACILITY/TYPE OF OPERATION	PERMITTED CAPACITY	AVERAGE DAILY THROUGHPUT	MAXIMUM CAPACITY	PERMIT STATUS	COMMENTS
RECYCLING	N/A	1000 LBS	3,000 LBS	N/A	PERMIT NOT REQUIRED

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) ?					YES
ID/LOCATION OF WWTP	PERMITTED CAPACITY	AVERAGE DAILY DISCHARGE RATE	MAXIMUM CAPACITY	PERMIT STATUS	LEVEL OF TREATMENT/YEAR BUILT
BLDG #8 LATITUDE 40 13'12"	1 MGD	150K GPD	1 MGD	EXPIRES 3/29/96	BIO FILTRATION PRIMARY, SECONDARY TRICKLING FILTER
LONGITUDE 75 09' 08"					1ST PHASE 1942 2ND PHASE 1952

LIST PERMIT VIOLATIONS AND DISCUSS ANY PROJECTS TO CORRECT DEFICIENCIES.
NONE

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.
N/A

4f.

DOES YOUR BASE OPERATE AN INDUSTRIAL WASTE TREATMENT PLANT (IWTP) ?					NO
ID/LOCATION OF IWTP	TYPE OF TREATMENT	PERMITTED CAPACITY	AVERAGE 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.

N/A

4h.

DOES YOUR BASE OPERATE DRINKING WATER TREATMENT PLANTS (WTP)?				NO	
ID/LOCATION OF WTP	OPERATING (GPD)		METHOD OF TREATMENT	MAXIMUM CAPACITY	PERMIT STATUS
	PERMITTED CAPACITY	DAILY RATE			

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.

NAS WILLOW GROVE (NASWG) HAS TWO DEEP WELLS WHICH PUMP UP AND THROUGH A STRIPPING TOWER FOR REMOVAL OF TCE & PCE. THE WATER DISCHARGES INTO A COVERED RESERVIOR WHICH IS CHLORINATED AND HAS A CAPACITY OF 500K GALLONS. AT THAT POINT THE WATER IS DISCHARGED INTO THE POTABLE WATER SYSTEM, WHICH ALSO FEEDS A SECOND COVERED RESERVIOR WITH A CAPACITY OF 500K GALLONS, (TOTAL CAPACITY 1 MILLION GALLONS). NASWG ALSO HAS AN INTERCONNECTION WITH THE WILLOW GROVE AIR FORCE RESERVE FACILITY, LOCATED DIRECTLY ADJACENT TO NASWG, FOR SUPPORT WHEN NECESSARY.

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.	NO
IF NO, WHY NOT AND PROVIDE EXPLANATION OF PLAN TO ACHIEVE PERMITTED STATUS.	N/A

RESULTS OF A RECENT SURVEY OF ALL STATION OUTFALLS IS NOT YET COMPLETE. THE FINAL PLAN IS DUE ABOUT 17, JUNE 1994. WHEN FINAL PLAN IS RECIVED THE STATION WILL IMPLEMENT IT.

4g. ARE THERE OTHER WASTE TREATMENT FLOWS NOT ACCOUNTED FOR IN THE PREVIOUS TABLES? ESTIMATE CAPACITY AND DESCRIBE THE SYSTEM.

N/A

4h.

DOES YOUR BASE OPERATE DRINKING WATER TREATMENT PLANTS (WTP)?				NO YES	
ID/LOCATION OF WTP	OPERATING (GPD)		METHOD OF TREATMENT	MAXIMUM CAPACITY	PERMIT STATUS
	PERMITTED CAPACITY	DAILY RATE			
BUILDING #30	750K GPD	200K GPD	STRIPPING TOWER & CHLORINATION	750K GPD	CURRENT; RENEWAL 1996

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AJB

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.

NAS WILLOW GROVE (NASWG) HAS TWO DEEP WELLS WHICH PUMP UP AND THROUGH A STRIPPING TOWER FOR REMOVAL OF TCE & PCE. THE WATER DISCHARGES INTO A COVERED RESERVIOR WHICH IS CHLORINATED AND HAS A CAPACITY OF 500K GALLONS. AT THAT POINT THE WATER IS DISCHARGED INTO THE POTABLE WATER SYSTEM, WHICH ALSO FEEDS A SECOND COVERED RESERVIOR WITH A CAPACITY OF 500K GALLONS, (TOTAL CAPACITY 1 MILLION GALLONS). NASWG ALSO HAS AN INTERCONNECTION WITH THE WILLOW GROVE AIR FORCE RESERVE FACILITY, LOCATED DIRECTLY ADJACENT TO NASWG, FOR SUPPORT WHEN NECESSARY.

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.	NO
IF NO, WHY NOT AND PROVIDE EXPLANATION OF PLAN TO ACHIEVE PERMITTED STATUS.	N/A

RESULTS OF A RECENT SURVEY OF ALL STATION OUTFALLS IS NOT YET COMPLETE. THE FINAL PLAN IS DUE ABOUT 17, JUNE 1994. WHEN FINAL PLAN IS RECIVED THE STATION WILL IMPLEMENT IT.

4l.

DOES YOUR BASE HAVE BILGE WATER DISCHARGE PROBLEM?	NO
DO YOU HAVE A BILGE WATER TREATMENT FACILITY?	NO

EXPLAIN: N/A

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.

WWTP OPERATING CAPACITY IS 1.2 MGD, PRESENTLY USING ONLY .25 MGD.

4o. DO CAPACITY LIMITATIONS ON ANY OF THE FACILITIES DISCUSSED IN QUESTION 4 POSE A PRESENT OR FUTURE LIMITATION ON BASE OPERATIONS? EXPLAIN.

NO

AIR POLLUTION

5a.

WHAT IS THE NAME OF THE AIR QUALITY CONTROL AREAS (AQCAs) IN WHICH THE BASE IS LOCATED? PHILADELPHIA OZONE NON-ATTAINMENT AREA
IS THE INSTALLATION OR ANY OF ITS OLFs OR NON-CONTIGUOUS BASE PROPERTIES LOCATED IN DIFFERENT AQCAs? NO . LIST SITE, LOCATION AND NAME OF AQCA.

4L.

DOES YOUR BASE HAVE BILGE WATER DISCHARGE PROBLEM?	NO
- DO YOU HAVE A BILGE WATER TREATMENT FACILITY?	NO

EXPLAIN: N/A

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.

WWTP OPERATING CAPACITY IS ^{1.0}~~1.2~~ MGD, PRESENTLY USING ONLY ^{.15}~~.25~~ MGD.

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JLB

4O. DO CAPACITY LIMITATIONS ON ANY OF THE FACILITIES DISCUSSED IN QUESTION 4 POSE A PRESENT OR FUTURE LIMITATION ON BASE OPERATIONS? EXPLAIN.

NO

AIR POLLUTION

5A.

WHAT IS THE NAME OF THE AIR QUALITY CONTROL AREAS (AQCAs) IN WHICH THE BASE IS LOCATED? PHILADELPHIA OZONE NON-ATTAINMENT AREA (METRO PHILADELPHIA INTERSTAR AQCA) (Montgomery Co)	<p>✓</p> <p>CNRF 01E2</p> <p>1/4/94</p>
IS THE INSTALLATION OR ANY OF ITS OLF'S OR NON-CONTIGUOUS BASE PROPERTIES LOCATED IN DIFFERENT AQCAs? NO . LIST SITE, LOCATION AND NAME OF AQCA.	

NAS WILLOW GROVE OPERATIONAL COMMANDS OR SUPPORT UNITS

Support unit	UIC
VP-64	09172
VP-66	09174
VR-52	08981
HSL-94	55231/55178
MAG-49	03026
79th ARCOM	W8CMAA
97th ARCOM	WYA5AA
MATCS-480	01180
MWSS	01199
BRANCH MEDICAL	32631
BRANCH DENTAL	39064
NAESU	N/A
NEX	N/A
NIS	42923
NAVTRAMETOCDET	66471
PSAD	43315
ROICC	N00158
SERV AIR, INC	N/A
ARMY 157th	N/A

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: NAVAL AIR STATION WILLOW GROVE

AQCA: PHILADELPHIA OZONE NON-ATTAINMENT AREA

POLLUTANT	ATTAINMENT	NON-ATTAINMENT	MAINTENANCE	TARGET ATTAINMENT YEAR ¹	COMMENTS ²
CO2		X SEVERE		TARGET YEAR HAS NOT BEEN SET BY STATE OF PA	STATION LOCATED IN A NON-ATTAINMENT AREA
OZONE		X SEVERE		"	"
PM-10		X SEVERE		"	"
SO ₂		X SEVERE		"	"
NO ₂		X SEVERE		"	"
PB		X SEVERE		"	"

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.

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: NAVAL AIR STATION WILLOW GROVE (Montgomery Co)
 AQCA: PHILADELPHIA OZONE NON-ATTAINMENT AREA (METRO - PHILADELPHIA INTERSTATE AQCA)

POLLUTANT	ATTAINMENT	NON-ATTAINMENT	MAINTENANCE	TARGET ATTAINMENT YEAR ¹	COMMENTS ²
CO₂ CO	X	X SEVERE		TARGET YEAR HAS NOT BEEN SET BY STATE OF PA	STATION LOCATED IN A NON-ATTAINMENT AREA
OZONE		X SEVERE		"	" SEVERE - 15
PM-10	X	X SEVERE		"	"
SO ₂	X	X SEVERE		"	"
NO ₂	X	X SEVERE		"	"
PB		X SEVERE		"	NOT CLASSIFIED

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JLB

CNRF
01E1
JLB

CNRF 01E2
6/4/94

CNRF 01E2
6/4/94

¹ BASED ON NATIONAL STANDARD FOR NON-ATTAINMENT AREAS OR SIP FOR MAINTENANCE AREAS.
² INDICATE IF ATTAINMENT IS DEPENDENT UPON BRACON, MILCON OR SPECIAL PROJECTS. ALSO INDICATE IF THE PROJECT IS CURRENTLY PROGRAMMED WITHIN THE PRESIDENTS FY1997 BUDGET.

5c. FOR YOUR BASE, IDENTIFY THE BASELINE LEVEL OF EMISSIONS, ESTABLISHED IN ACCORDANCE WITH THE CLEAN AIR ACT. BASELINE INFORMATION IS ASSUMED TO BE 1990 DATA OR OTHER YEAR AS SPECIFIED. DETERMINE THE TOTAL LEVEL OF EMISSIONS (TONS/YR) FOR CO, NOX, VOC, PM10 FOR THE GENERAL SOURCES LISTED. FOR ALL DATA PROVIDE A LIST OF THE SOURCES AND SHOW YOUR CALCULATIONS. USE KNOWN EMISSIONS DATA, OR EMISSIONS DERIVED FROM USE OF STATE METHODOLOGIES, OR IDENTIFY OTHER SOURCES USED. "OTHER MOBILE" SOURCES INCLUDE SUCH ITEMS AS GROUND SUPPORT EQUIPMENT.

EMISSION SOURCES (TONS/YEAR)					
POLLUTANT	PERMITTED STATIONARY	PERSONAL AUTOMOBILES	AIRCRAFT EMISSIONS	OTHER MOBILE	TOTAL
CO	0	PRESENTLY EXEMPT-NO DATA ON FILE	PRESENTLY EXEMPT-NO DATA ON FILE	0	0
NOX	0	"	"	127.3	127.3
VOC	1.5	"	"	1.4	2.9
PM10	0	"	"	0	0

SOURCE DOCUMENT: NASWG 1992 AIR INVENTORY DOCUMENT

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	0	PRESENTLY EXEMPT-NO DATA ON FILE	PRESENTLY EXEMPT-NO DATA ON FILE	0	0
NOX	0	"	"	127.3	127.3
VOC	1.5	"	"	1.4	2.9
PM10	0	"	"	0	0

SOURCE DOCUMENT: NASWG 1992 AIR INVENTORY STUDY DOCUMENT

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.

AIR EMISSIONS ARE NOT EXPECTED TO INCREASE NOR DECREASE IN THE NEXT 7 YEARS.

5f. ARE THERE ANY CRITICAL AIR QUALITY REGIONS (I.E. NON-ATTAINMENT AREAS, NATIONAL PARKS, ETC.) WITHIN 100 MILES OF THE BASE?

YES, NAS WILLOW GROVE IS IN THE PHILADELPHIA OZONE SEVERE NON-ATTAINMENT AREA

5g. HAVE ANY BASE OPERATIONS/MISSION/FUNCTIONS (I.E.: TRAINING, R&D, SHIP MOVEMENT, AIRCRAFT MOVEMENT, MILITARY OPERATIONS, SUPPORT FUNCTIONS, VEHICLE TRIPS PER DAY, ETC.) BEEN RESTRICTED OR DELAYED DUE TO AIR QUALITY CONSIDERATIONS. EXPLAIN THE REASON FOR THE RESTRICTION AND THE "FIX" IMPLEMENTED OR PLANNED TO CORRECT.

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 6c. FOR THE LAST TWO COLUMNS PROVIDE THE COMBINED TOTAL FOR THOSE TWO FY'S.

PROGRAM	SURVEY COMPLETED ?	COSTS IN \$K TO CORRECT DEFICIENCIES					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
AIR	YES	25	15	10	0	0	0
HAZARDOUS WASTE	YES	200	10	0	0	0	0
SAFE DRINKING WATER ACT	YES	5	25	0	0	0	0
PCBS	YES	0	0	0	0	0	0
OTHER (NON-PCB) TOXIC SUBSTANCE CONTROL ACT	NO	0	40	0	0	0	0
LEAD BASED PAINT	YES	0	0	0	0	0	0
RADON	YES	0	0	0	0	0	0
CLEAN WATER ACT	NO	0	25	0	0	0	0
SOLID WASTE							
OIL POLLUTION ACT	YES	0	0	0	0	0	0
USTs	YES	200	100	50	0	0	0
EPCRA	NO	250	50	25	0	0	0
TOTAL		680	265	85	0	0	0

PROVIDE A SEPARATE LIST OF COMPLIANCE PROJECTS IN PROGRESS OR REQUIRED, WITH ASSOCIATED COST AND ESTIMATED START/COMPLETION DATE.

N/A

6b.

DOES YOUR BASE HAVE STRUCTURES CONTAINING ASBESTOS? YES. WHAT % OF YOUR BASE HAS BEEN SURVEYED FOR ASBESTOS? 10%. ARE ADDITIONAL SURVEYS PLANNED? YES. WHAT IS THE ESTIMATED COST TO REMEDIATE ASBESTOS (\$K) \$40 ARE ASBESTOS SURVEY COSTS BASED ON ENCAPSULATION, REMOVAL OR A COMBINATION OF BOTH? BOTH

6c. PROVIDE DETAILED COST OF RECURRING OPERATIONAL (ENVIRONMENTAL) COMPLIANCE COSTS, WITH FUNDING SOURCE.

FUNDING SOURCE	FY 92	FY 93	FY 94	FY 95	FY 96	FY 97	FY 98-99	FY 00-01
O&MN								
HA								
PA								
OTHER (O&MNR)	18 3K	24 6K	27 8K	30 9K	30 9K	30 9K	30 9K	30 9K
TOTAL	18 3K	24 6K	27 8K	30 9K	30 9K	30 9K	30 9K	30 9K

6d. ARE THERE ANY COMPLIANCE ISSUES/REQUIREMENTS THAT HAVE IMPACTED OPERATIONS AND/OR DEVELOPMENT PLANS AT YOUR BASE.
NONE

7. INSTALLATION RESTORATION

7a.

DOES YOUR BASE HAVE ANY SITES THAT ARE CONTAMINATED WITH HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS?	YES
IS YOUR BASE AN NPL SITE OR PROPOSED NPL SITE?	NO

7b. PROVIDE THE FOLLOWING INFORMATION ABOUT YOUR INSTALLATION RESTORATION (IR) PROGRAM. PROJECT LIST MAY BE PROVIDED IN SEPARATE TABLE FORMAT. NOTE: LIST ONLY PROJECTS ELIGIBLE FOR FUNDING UNDER THE DEFENSE ENVIRONMENTAL RESTORATION ACCOUNT (DERA). DO NOT INCLUDE UST COMPLIANCE PROJECTS PROPERLY LISTED IN SECTION VI.

SITE # OR NAME	TYPE SITE ¹	GROUNDWATER CONTAMINATED?	EXTENDS OFF BASE?	DRINKING WATER SOURCE?	COST TO COMPLETE (\$M)/EST. COMPL. DATE	STATUS ² /COMMENTS
#1 PRIVET ROAD COMPOUND	CERCLA	YES	NO	YES	TIME AND COST OF CLEAN UP IS NOT AVAILABLE DUE TO NON-NPL STATUS	RD
#2 ANTENNA FIELD LANDFILL	CERCLA	YES	NO	NO	"	RD
#3 9TH STREET LANDFILL	CERCLA	YES	NO	NO	"	RD
#5 FIRE TRAINING AREA	CERCLA	YES	NO	NO	"	RD
10# FUEL FARM	CERCLA	YES	NO	NO	"	RA/PILOT PUMP & TREAT/AIR SPURIGING

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?	YES
IS THERE A GROUNDWATER TREATMENT SYSTEM PLANNED?	YES

**STATE SCOPE AND EXPECTED LENGTH OF PUMP AND TREAT OPERATION.
PILOT PROGRAM NOW IN PLACE AT SITE #10 FUEL FARM, DURATION IS FOR APPROXIMATELY 1 YEAR TO STUDY FEASIBILITY.**

7E.

HAS A RCRA FACILITIES ASSESSMENT BEEN PERFORMED FOR YOUR BASE?	NO
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7F. DOES YOUR BASE OPERATE ANY CONFORMING STORAGE FACILITIES FOR HANDLING HAZARDOUS MATERIALS? IF YES, DESCRIBE FACILITY, CAPACITY, RESTRICTIONS, AND PERMIT CONDITIONS. NO

7G. DOES YOUR BASE OPERATE ANY CONFORMING STORAGE FACILITIES FOR HANDLING HAZARDOUS WASTE? IF YES, DESCRIBE FACILITY, CAPACITY, RESTRICTIONS, AND PERMIT CONDITIONS. NO

7H. IS YOUR BASE RESPONSIBLE FOR ANY NON-APPROPRIATED FUND FACILITIES (EXCHANGE, GAS STATION) THAT REQUIRE CLEANUP? IF SO, DESCRIBE FACILITY/LOCATION AND CLEANUP REQUIRED/STATUS. NO

7I. DO THE RESULTS OF ANY RADIOLOGICAL SURVEYS CONDUCTED INDICATE LIMITATIONS ON FUTURE LAND USE? NO

7J. HAVE ANY BASE OPERATIONS OR DEVELOPMENT PLANS BEEN RESTRICTED DUE TO INSTALLATION RESTORATION CONSIDERATIONS? NO

7K. LIST ANY OTHER HAZARDOUS WASTE TREATMENT OR DISPOSAL FACILITIES NOT INCLUDED IN QUESTION 7B. ABOVE. INCLUDE CAPACITY, RESTRICTIONS AND PERMIT CONDITIONS. NONE

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?	YES
IS THERE A GROUNDWATER TREATMENT SYSTEM PLANNED?	YES

STATE SCOPE AND EXPECTED LENGTH OF PUMP AND TREAT OPERATION.
PILOT PROGRAM NOW IN PLACE AT SITE #10 FUEL FARM, DURATION IS FOR APPROXIMATELY 1 YEAR TO STUDY FEASIBILITY.

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~~ YES. STATION HAS A CDC (CENTRAL DISTRIBUTION CENTER) TO STORE ALL HAZARDOUS MATERIALS.

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JLB

7G. DOES YOUR BASE OPERATE ANY CONFORMING STORAGE FACILITIES FOR HANDLING HAZARDOUS WASTE? IF YES, DESCRIBE FACILITY, CAPACITY, RESTRICTIONS, AND PERMIT CONDITIONS. ~~NO~~ YES. STATION OPERATES A LESS THAN 90 DAY TEMPORARY STORAGE FACILITY TO STORE HAZARDOUS WASTE.

CNRF
01E1
JLB

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? NO

7J. HAVE ANY BASE OPERATIONS OR DEVELOPMENT PLANS BEEN RESTRICTED DUE TO INSTALLATION RESTORATION CONSIDERATIONS? NO

7K. LIST ANY OTHER HAZARDOUS WASTE TREATMENT OR DISPOSAL FACILITIES NOT INCLUDED IN QUESTION 7B. ABOVE. INCLUDE CAPACITY, RESTRICTIONS AND PERMIT CONDITIONS. NONE

7.

DO THE RESULTS OF ANY RADIOLOGICAL SURVEYS CONDUCTED INDICATE LIMITATIONS ON FUTURE LAND USE? EXPLAIN BELOW.	NO
--	----

8. LAND / AIR / WATER USE

8A: LIST THE ACREAGE OF EACH REAL ESTATE COMPONENT CONTROLLED OR MANAGED BY YOUR BASE (E.G., MAIN BASE - 1,200 ACRES, OUTLYING FIELD - 200 ACRES, REMOTE RANGE - 1,000 ACRES, REMOTE ANTENNA SITE - 5 ACRES, OFF-BASE HOUSING AREA - 25 ACRES).

PARCEL DESCRIPTOR	ACRES	LOCATION
MAIN BASE (NAVAL AIR STATION ONLY, AIR FORCE NOT INCLUDED)	967.05	NAS WILLOW GROVE
- SOUTH CLEAR ZONE	55.545	SOUTH CLEAR ZONE
NORTH CLEAR ZONE	2.65	NORTH CLEAR ZONE

3. 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.)		410
TOTAL UNDEVELOPED (AREAS THAT ARE LEFT IN THEIR NATURAL STATE BUT ARE UNDER SPECIFIC ENVIRONMENTAL DEVELOPMENT CONSTRAINTS, I.E.: WETLANDS, ENDANGERED SPECIES, ETC.)		WETLANDS: 10.0
		ALL OTHERS: 40.0
TOTAL UNDEVELOPED LAND CONSIDERED TO BE WITHOUT DEVELOPMENT CONSTRAINTS, BUT WHICH MAY HAVE OPERATIONAL/MAN CAUSED CONSTRAINTS (I.E.: HERO, HERF, HERP, ESQD, AICUZ, ETC.) TOTAL		407.0
TOTAL UNDEVELOPED LAND CONSIDERED TO BE WITHOUT DEVELOPMENT CONSTRAINTS		100
TOTAL OFF-BASE LANDS HELD FOR EASEMENTS/LEASE FOR SPECIFIC PURPOSES		83.03
BREAKOUT OF UNDEVELOPED, RESTRICTED AREAS. SOME RESTRICTED AREAS MAY OVERLAP:	ESQD	22.0
	HERF	0
	HERP	0
	HERO	5.0
	AICUZ	0
	AIRFIELD SAFETY CRITERIA	350
	OTHER	30

8c. HOW MANY ACRES ON YOUR BASE (INCLUDES OFF BASE SITES) ARE DEDICATED FOR TRAINING PURPOSES (E.G., VEHICULAR, EARTH MOVING, MOBILIZATION)? THIS DOES NOT INCLUDE BUILDINGS OR INTERIOR SMALL ARMS RANGES USED FOR TRAINING PURPOSES.

NONE

8D. WHAT IS THE DATE OF YOUR LAST AICUZ UPDATE? FEB/93_ . ARE ANY WAIVERS OF AIRFIELD SAFETY CRITERIA IN EFFECT ON YOUR BASE? Y/N SUMMARIZE THE CONDITIONS OF THE WAIVERS BELOW. YES.

* AIRCRAFT PARKING AT HANGER 175 AND HANGER 80 BREAK THE 7:1 TRANSITION BY 11' AND 23' RESPECTIVLY.

* SECURITY FENCING IS CLOSER THEN ALLOWABLE DISTANCES IN SOME AREAS.

* VARIOUS NAVAGATION EQUIPMENT ANTENNAS AND REFLECTORS PENETRATE TRANSITIONAL SURFACES.

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
R-1476 AC	2	RESIDENTIAL	INCOMPATIBLE
I-1020 AC	2	INDUSTRIAL	COMPATIBLE
GC-307 AC	2	COMMERCIAL	COMPATIBLE
LC - 246 AC	2	COMMERCIAL	COMPATIBLE

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.

N/A

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.

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

8I. LIST ANY REQUIREMENTS OR CONSTRAINTS RESULTING FROM CONSISTENCY WITH STATE COASTAL ZONE MANAGEMENT PLANS.

NONE

8J. DESCRIBE ANY NON-POINT SOURCE POLLUTION PROBLEMS AFFECTING WATER QUALITY ,E.G.: COASTAL EROSION.

NONE

8K.

IF THE BASE HAS A COOPERATIVE AGREEMENT WITH THE US FISH AND WILDLIFE SERVICE AND/OR THE STATE FISH AND GAME DEPARTMENT FOR CONDUCTING A HUNTING AND FISHING PROGRAM, DOES THE AGREEMENT OR THESE RESOURCES CONSTRAIN EITHER CURRENT OR FUTURE OPERATIONS OR ACTIVITIES? EXPLAIN THE NATURE AND EXTENT OF RESTRICTIONS.	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.

NONE

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

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 8 Dec 93

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

ACTIVITY COMMANDER

CAPT E. L. LEKBERG, USNR
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

26 May 1994
Date

NAVAL AIR STATION, WILLOW GROVE
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)

J. D. OLSON II, RADM, USNR
NAME (Please type or print
Commander, Naval Air Reserve Force

[Signature]
Signature
6 JUN 94
Date

Title
COMNAVAIRESFOR New Orleans, LA
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

T. F. HALL, RADM, USN
NAME (Please type or print
Commander, Naval Reserve Force

TF Hall
Signature
6/8/94
Date

Title

COMNAVRESFOR Washington D. C.

Activity

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

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

P. W. Drennon
NAME (Please type of print

[Signature]
Signature

ACTING
Title

6/24/94
Date

DATA CALL 1: GENERAL INSTALLATION INFORMATION

ACTIVITY: 00158

1. ACTIVITY:

* Name

Official name	Naval Air Station, Willow Grove, PA
Acronym(s) used in correspondence	NAS Willow Grove, NASWG
Commonly accepted short title(s)	Willow Grove

* Complete Mailing Address

Commanding Officer
Naval Air Station
Box 21
Willow Grove, PA 19090-5021

* PLAD

NAS WILLOW GROVE PA

* PRIMARY UIC: 00158

* ALL OTHER UIC(S):

44493

PURPOSE:

Aircraft Intermediate Maintenance
Department

2. PLANT ACCOUNT HOLDER:

* YES X NO

3. ACTIVITY TYPE

* HOST COMMAND:

* YES X NO

* TENANT COMMAND:

* YES NO X

* INDEPENDENT ACTIVITY:

* YES NO X

4. SPECIAL AREAS:

Name	Location	UIC
Naval Air Reserve Center Columbus, Ohio	Columbus, Ohio	30530

5. DETACHMENTS:

Not applicable.

6. BRAC IMPACT:

BRAC-91

- * Acquisition of base housing (207 units) as a result of the realignment of Naval Air Warfare Center, Aircraft Division, Warminster, PA in FY-95.
- * Provided a \$4.6M building to house Marine Wing Support Squadron 474(-) for approximately 40 active duty and 185 SELRES personnel due to the closure of NAVBASE Philadelphia in FY-96.

BRAC-93

- * Acquisition of financial management/reserve billet control of Naval Air Reserve Center, Columbus, Ohio as a result of the closing of Naval Air Facility, Detroit, Michigan.
- * Acquisition of all logistic and financial support for Marine Aircraft Group-49 Detachment Bravo, Newburgh, New York as a result of the closing of NAS Glenview, Illinois.
- * Patrol Squadron 66 (VP-66) acquisition of two EP-3J aircraft and Fleet Training Readiness Group mission as a result of the decommissioning of Tactical Electronic Warfare Squadron Three Three (VAQ-33), Naval Air Station, Key West, Florida.
- * 24 month Inter-Service Support Agreement (ISSA) for a two P-3 aircraft detachment from NAWC Warminster at NAS Willow Grove resulting from the realignment of NAWC.
- * Fleet Logistics Support Squadron 52 (VR-52) acquisition of two additional C-9B aircraft as a result of the consolidation of several fleet logistic support squadrons.
- * NAS Willow Grove is slated to receive a second UC-12B aircraft and its associated NALO tasking as a result of the closing of NAS Glenview, Illinois.

7. MISSION:

Current Missions

The mission of Naval Air Station Willow Grove is to maintain and operate facilities, to provide services, material, administrative coordination, and logistic support for operations involving aviation activities and units of the Commander Naval Reserve Force (COMNAVRESFOR) and other activities/units as designated by the Chief of Naval Operations, and to administer the Naval Air Reserve Training program as directed by the Chief of Naval Reserve. The mission also includes Selected Reserve mobilization training and contributory support for fleet units in the event of a national or international emergency providing:

- * logistic and administrative support for 10 squadrons with over 120 assigned aircraft and 8000 personnel from Regular and Reserve Forces of the U.S. Navy, Marine Corps, Army, Air Force and Pennsylvania Air National Guard (PAANG). Supported aircraft include: UC-12B, P-3B/C, EP-3J, SH-2F/G, C-9B, A-4M, RH-53D, UH-1, ~~C-130T~~, A-10 and ~~C-37~~.
C-130E *C-26*
- * missions include: fixed and rotary wing antisubmarine warfare, maritime patrol, drug interdiction, attack, close air-support, anti-armor, medium cargo and passenger airlift, battlefield supply and combat helicopter heavy-lift. Marine Aircraft Group-49 also serves as Air Combat Element (ACE) for both VMA-131 and HME-772.
- * support functions for 4 Reserve Force Squadrons (RESFORONS), 32 Selected Reserve augment units, Marine Aircraft Group-49, 2 Army Aviation units, the Reserve Antisubmarine Warfare Training Center (RESASWTRACEN), ancillary support for the USAF Reserve 913th Airlift Support Squadron and PAANG.
- * provide Aircraft Intermediate Maintenance (AIMD) support for 4 Reserve Force Squadrons and a Marine Aircraft Group.
- * provide all station personnel, tenant commands, local military, dependents and area retirees with essential Quality of Life programs including medical, dental, childcare, Personnel Support Detachment services, family services, Navy Exchange, Navy Campus, Educational Services Office, MWR club system and recreational facilities.

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Projected Missions for FY 2001

- * assume the responsibility for 207 housing units from Naval Air Warfare Center, Aircraft Division, Warminster, PA in FY-95.
- * provide facilities for: Resident Officer-in-Charge of Construction (ROICC) for Naval Facilities Contracts Office for Eastern, PA.
- * provide complete AIMD and Supply support for the MAG-49 projected transition of VMA-131 from A-4M aircraft to the F/A-18A (fighter/attack).

8. UNIQUE MISSIONS:

Current Unique Missions

- * Naval Air Reserve ASW Training Center (NAVRESASWTRACEN)...provides all Naval Air Reserve P-3 squadron aircrews with comprehensive aircraft and tactical training via state-of-the-art simulation, Mobile Miniature-Operation Control Center (MOCC) and classroom instruction. This command also provides exportable ordnance training, transition training and tactical training teams and serves as the Naval Air Training and Operating Procedures standardization (NATOPS) evaluation unit for all Reserve P-3 squadrons as required by OPNAVINST 3710.7P.
- * Patrol Squadron 66 (VP-66)...provides USN Battle Groups with the Fleet Training Readiness Group mission (electronic warfare) via EP-3J aircraft.

Projected Unique Missions for FY 2001

- * NAVRESASWTRACEN will provide all HS/VP aircrew training as well as VR (C-130 flight engineer training) by the year 2001.

9. IMMEDIATE SUPERIOR IN COMMAND (ISIC):

* Operational name	UIC:
COMNAVAIRESFOR	00071
* Funding Source	UIC:
COMNAVRESFOR	00072

ALLATION INFORMATION, CONTINUED

ACTIVITY: 00158

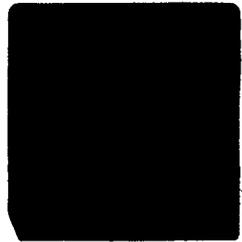
On Board Count as of 01 January 1994

Officers	Enlisted	Civilian (Appropriated)	SELRES
36	481	293	1272
100	947	131	1734

Authorized Positions as of 30 September 1994

Officers	Enlisted	Civilian (Appropriated)	SELRES
46	532	298	1134
115	1008	198	1972
117	991	137	1734

CMD 2/7/94
 1734 CNAF054



Willow Grove
 Units (total)

11. KEY POINTS OF CONTACT (POC):

Title/Name	Office	Fax	Home
* CO CAPT E. L. LEKBERG	COMM (215) 443-6051 DSN 991-6051	x6017	(215) 443-6998 991-6998
* IO CDR G. L. POWELL	COMM (215) 443-6051 DSN 991-6051	x6017	(215) 361-2513
WIN OFFICER P. SHEPERSKY	COMM (215) 443-6037 DSN 991-6037	x6017	(215) 343-3353
	COMM (215) 443-6000 DSN 991-6000	x6017	N/A

ER

12. TENANT ACTIVITY LIST:

* Tenants residing on main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian	SELRES
Patrol Squadron SIX FOUR	09172	76	108	0	240
Patrol Squadron SIX SIX	09174	1225	13172	0	235
Helicopter Antisubmarine Squadron Light NINE FOUR	55178	10	103	0	128
Fleet Logistics Support Squadron FIVE TWO	08981	10	68 77	0	118
Marine Aircraft Group-49 ** See Note	67256	24	250	0	529
Branch Medical Clinic	32631	10	31	5	0
Branch Dental Clinic	39064	2	4	3	0
Naval Air Maintenance Training Group Detachment	66068	3	14	0	0
Naval Air Reserve ASW Training Center	68819	9	110	2	0
Personnel Support Activity Detachment	43315	1	40	20	0
Naval Training Meteorology Oceanography Detachment	66471	2	12	1	0
Reserve Intelligence Program Office	47928	1	5	1	0
79th Army Reserve Command	WBCSAA	12	22	54	208
97th Army Reserve Command	WBCMFF	2	43	45	276
Totals		100117	287991	131	1734

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Code 05x 2/7/94
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CNARF 05x 2/7/94

** Note: Marine Aircraft Group-49 personnel data includes Marine Attack Squadron-131 (VMA-131), Heavy Marine Helicopter Squadron-772 (HMH-772), Marine Air Traffic Control Squadron-48 (MATCS-48) Detachment BRAVO and Marine Wing Service Support-473 (MWSS-473) Detachment ALPHA.

* Tenants residing on main complex (homeported units)

Not applicable.

* Tenants residing in Special Areas

Not applicable.

* Tenants (other than those identified previously)

Tenant Command Name	UIC	Officer	Enlisted	Civilian	SELRES
Naval Aviation Engineering Service Unit (NAESU)	62849	0	0	3	0
Resident Officer in Charge of Construction (ROICC)	45729	2	0	3	0

13. REGIONAL SUPPORT:

Activity Name	Location	Support function (include mechanism such as ISSA, MUC, etc.)
Naval Air Reserve Center Columbus ** Note: NARCEN Columbus will submit a separate BRAC-95 Data Call**	Columbus, OH	Purchasing/Contract admin, public works facilities and environmental support, OPTAR management, billet control and readiness reporting of Selected Reserve units-ISSA and MOU
Marine Air Group-49 Detachment Bravo, Stewart Air National Guard Base	Newburgh, NY	All financial and logistic support of 12 KC-130T aircraft via MOA.
913th Airlift Group, USAF Reserve and Pennsylvania Air National Guard (PAANG) * Includes over 2100 Selected Reservist, 600 civilians and 64 active duty personnel ** Note: 913th provides fueling services for all aircraft as NASWG fuel farm is not operational**	Air Reserve Facility, adjacent to NASWG	Units operate C-130 and A-10 aircraft from NASWG utilizing: Air Traffic Control, Weather Briefers, crash-fire-rescue and medical support crews. Public works-water and sewage treatment plus back-up electrical power via ISSA. Additional: MWR (childcare, clubs and recreational activities etc.), Family Service Center, Galley, BOQ, Navy Exchange, Security and Religious Services.
157 Separate Infantry Brigade * Includes over 250 Selected Reservists, 15 civilians and 26 active duty personnel.	Horsham, PA	Provide Quality of Life Services including: Navy Exchange, MWR (clubs, recreational services, etc.), Family Service Center and Religious Services.

14. FACILITY MAPS: See Attached.

- * Local Area Map. (Tab A)
- * Installation Map/Activity Map/Base Map/General Development/Site Map. (Tab B)
- * Aerial photo(s). (Tab C)

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ACTIVITY COMMANDER

CAPT E. L. LEKBERG, USNR
NAME (Please type or print)



Signature

COMMANDING OFFICER
Title

26 Jan 94
Date

NAVAL AIR STATION, WILLOW GROVE
Activity

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

NEXT ECHELON LEVEL (If applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

NEXT ECHELON LEVEL (If applicable)

CAPT M. T. BRAZELL, USNR, "ACTING"
NAME (Please type or print)

Mark T Brazell
Signature

COMMANDER
NAVAL AIR RESERVE FORCE
Title

2-8-94
Date

COMNAVAIRESFOR
Activity

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

MAJOR CLAIMANT LEVEL

RADM T. F. HALL, USN
NAME (Please type or print)

T.F. Hall
Signature

COMMANDER, NAVAL RESERVE FORCE
Title

2/10/94
Date

COMNAVRESFOR
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)

R. R. Sareeram
NAME (Please type or print)

[Handwritten Signature]
Signature

Acting
Title

15 Feb 1994
Date

12. TENANT ACTIVITY LIST:

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Patrol Squadron SIX SIX	09174	12 25	131 172	0	235
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<p>913th Airlift Group, USAF Reserve and Pennsylvania Air National Guard (PAANG)</p> <p>* Includes over 2100 Selected Reservist, 600 civilians and 64 active duty personnel</p> <p>** Note: 913th provides fueling services for all aircraft as NASWG fuel farm is not operational**</p>	Air Reserve Facility, adjacent to NASWG	<p>Units operate C-130 and A-10 aircraft from NASWG utilizing: Air Traffic Control, Weather Briefers, crash-fire-rescue and medical support crews. Public works-water and sewage treatment plus back-up electrical power via ISSA.</p> <p>Additional: MWR (childcare, clubs and recreational activities etc.), Family Service Center, Galley, BOQ, Navy Exchange, Security and Religious Services.</p>
<p>157 Separate Infantry Brigade</p> <p>* Includes over 250 Selected Reservists, 15 civilians and 26 active duty personnel.</p>	Horsham, PA	Provide Quality of Life Services including: Navy Exchange, MWR (clubs, recreational services, etc.), Family Service Center and Religious Services.

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ACTIVITY COMMANDER

CAPT E. L. LEKBERG, USNR
NAME (Please type or print)



Signature

COMMANDING OFFICER
Title

26 Jan 94
Date

NAVAL AIR STATION, WILLOW GROVE
Activity

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

NEXT ECHELON LEVEL (If applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

NEXT ECHELON LEVEL (If applicable)

CAPT M. T. BRAZELL, USNR, "ACTING"

NAME (Please type or print)

Mark T Brazell
Signature

COMMANDER

NAVAL AIR RESERVE FORCE

Title

2-8-94
Date

COMNAVAIRESFOR

Activity

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

MAJOR CLAIMANT LEVEL

RADM T. F. HALL, USN

NAME (Please type or print)

T. F. Hall
Signature

COMMANDER, NAVAL RESERVE FORCE

Title

2/10/94
Date

COMNAVRESFOR

Activity

WILLOW GROVE



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)

R. R. Sareeram
NAME (Please type or print)

[Handwritten Signature]
Signature

Acting
Title

15 Jul 1994
Date