DCN 832

228

UIC: 00204

ENVIRONMENTAL DATA CALL:

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

Naval Air Station
Pensacola, Florida

Data Call 33

16 May 94

Maps Held In Original

UIC: 00204

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

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For purposes of the questions associated with land use at your base is *defined* as *land* (acreage owned, withdrawn, leased, and controlled through easements); *air* (space controlled through agreements with the FAA, e.g., MOAs); *and water* (navigation channels and waters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

TENANT ACTIVITY	UIC
See Pages 2(a) - 2(c)	

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ENVIRONMENTAL DATA CALL

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- Land/Air/Water Use

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Sel Amend 2
R. Ryan
CNET N-9412
6-7-94

TENANT COMMAND	UIC
Chief of Naval Education and Training	00062
Training Air Wing SIX	52184
Naval Aviation Schools Command	62229
Naval Atlantic Meteorology and Oceanography Detachment	65779
Naval Aerospace Medical Research Laboratory	66452
Naval Aerospace and Operational Medical Institute	0751A
Navy Flight Demonstration Squadron (Blue Angels)	30929
Training Squadron FOUR	0395A
Training Squadron TEN	0614A
Training Squadron EIGHT SIX	52902
Personnel Support Activity	68609
Personnel Support Activity Detachment	43081
Naval Dental Center	68441
Naval Branch Dental Clinic Sherman Field	45937
Naval Hospital Occupational Health and Preventative Medicine Department	00203
Naval Branch Medical Clinic	32557
Naval Computer and Telecommunications Station	68142
Naval Construction Battalion Unit FOUR ZERO TWO	66610
Craft of Opportunity Unit TWO TWO ONE ONE	46473
Naval Legal Services Office Central	68366
Navy/Marine Corp Trial Judicial Curcuit Branch Office Southeast	32106
Naval Education and Training Security Assistance Field Activity	68870
Naval Education and Training Security Assistance Field Activity Detachment	47565
Navy Recruiting Orientation Unit	39088
Navy Recruiting Exhibit Center	63011
Navy Recruiting Exhibit Transporting Unit	42590
Recruiter Mobile Training Team	44424
Navy Comptroller Program Management Office	48766
Naval Air Systems Command, Program Management Activity	46775

TENANT COMMAND	UIC
Southern Naval Facilities Engineering Command Contracts Office	44224
Naval Audit Office Southeast Region	30843
Defense Investigative Service	HS41PF
Naval Criminal Investigative Service Field Office	67556
Naval Air Warfare Center, Training Systems Division, Inservice Engineering Office	61339
Navy Exchange	39231
Naval Air Training Management Support Activity Contract Administration Unit	49152
Marine Aviation Training Support Group	67389
Navy Public Works Center	65114
Naval Aviation Depot	65889
Human Resources Office	41273
Defense Commissary Store	DCSR19
Defense Photo School	HQ0045
Defense Accounting Office-CL	HG0115
Defense Finance and Accounting Service Detachment	68700
Defense Information Processing Center	H98312
Defense Printing Service Southern Area	48922
Defense Printing Service Detachment Office	62651
Defense Distribution Depot	SB3515
Defense Reutilization and Marketing Office	SY2364
Joint Oil Analysis Program Technical Support Center	HQ0046
Fleet and Industrial Supply Center	68860
National Museum of Naval Aviation	0432A
Naval Education and Training Management Support Activity, Navy Campus Office	49309
Naval Education and Training Management Support Activity, Photo Lab	68322
Naval Material Transporatation Office	63408
USA Veterinarian	W2MQ07
National Weather Service	WP9222

TENANT COMMAND	UIC
Gulf Islands National Seashore	IN-10
Barrancas National Cemetery	N/A
Federal Aviation Administration	N/A
USCG Station	Z36239
USCG Liaison Officer	99-66217
USCG Aids to Navigation	Z41935
USCGC POINT LOBOS	Z13266
USAF 17TH Training Squadron	UNK
U.S. Postal Service	N/A
American Red Cross	N/A
Combined Federal Campaign	N/A
Consumer Credit Counseling of West Florida	N/A
Civilian Retired Affairs Office	N/A
Department of HRS, Division of Blind	N/A
Embry-Riddle Aeronautical University	N/A
Pensacola Junior College	N/A
Troy State University	N/A
University of West Florida	N/A
University of Arizona	N/A
Scheduled Airlines Ticket Office	N/A
Pen Air Federal Credit Union	N/A
First Navy Bank	N/A
Mavy/Marine Corps Relief Society	N/A
Omega Travel Agency	N/A
National Aviation Museum Foundation	N/A
McDonald's Restaurant	N/A

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*
Alligator Mississippiensis - American Alligator	T (S/A)*	Federal	N/A	330
Gopherus Polyphemus - Gopher Tortoise	C1	State	N/A	750
Charadrius Alexandrinus - Southeastern Snowy Plover	T	State	N/A	50
Egretta Caerulea - Little Blue Heron	C1	State	N/A	200
Egretta Rufescens - Reddish Egret	C1	State	N/A	200
Egretta Thula - Snowy Egret	C1	State	N/A	200
Egretta Tricolor - Tricolored Heron	C1	State	N/A	200
Falco Sparverius - Southeastern Kestrel	T	State	N/A	100
Pandion Haliaetus - Osprey	C1	State	N/A	50
Palecanus Occidentalis - Brown Pelican	C1	State	N/A	0
Sterna Antillarum - Least Tern	T	State	N/A	20
Drosena Intermedia - Water Sundew	T	State	N/A	40
Pinguicula Planifolia - Chapman's Butterwort	T	State	N/A	10
Polygonella Macrophylla - Large Leaved Joint Weed	C1	Federal	N/A	200
Sarracenia Leucophylla - White-Top Pitcher Plant	E	State	N/A	500

Source Citation: NAS Pensacola Natural Resources Management Plan

*** S/A = Similarity in Appearance**

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 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.

Identified 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.	YES

- Relocated 5 Osprey nests to artificial platforms; removed natural nests due to their location on facilities.
- Relocated 3 Gopher Tortoises from construction sites.

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

None. No current changes that were "enacted but not yet effected." At present, changes in the "category" of listing by Federal or State would further constrain ops and developement.

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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?	YES
When was the survey conducted or when will it be conducted?	NAS - MAY 90 OLF BRONSON - MAY 91
What percent of the base has been surveyed?	100
What is the total acreage of jurisdictional wetlands present on your base?	929

Source Citation: **NAS Pensacola Natural Resources Management Plan**

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.

Provided 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? If YES, summarize the results of such modifications or constraints.

Yes. Each project that has a potential to impact wetlands is modified per Federal/State regulations to avoid wetlands and project planning is modified. If avoidance cannot be achieved, State and Federal permits are acquired to minimize impact on wetlands and if necessary, mitigation would be conducted. Naval Air Station, Pensacola, has complied with all wetland requirements and in its history has never entered mitigation. R

2. WETLANDS

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When was the survey conducted or when will it be conducted?	NAS - MAY 90 OLF BRONSON - MAY 91
What percent of the base has been surveyed?	100
What is the total acreage of jurisdictional wetlands present on your base?	929

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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.

Provided 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? If YES, summarize the results of such modifications or constraints.

Yes. Each project that has a potential to impact wetlands is modified per Federal/State regulations to avoid wetlands and project planning is modified. If avoidance cannot be achieved, State and Federal permits are acquired to minimize impact on wetlands. Mitigation is conducted.

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

See Attachment A

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.	YES

Demolition of historical buildings 140, 322, and 742 had documentation prepared and submitted to State Historical Preservation Office. Buildings were approved for demolition.

3c.

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

1. **Barrancas National Cemetary**
2. **Civil War era cemetary locally known as the "Nix Cemetary" located at Bronson Field.**

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

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4c.

Does your base have any disposal, recycling, or incineration facilities for solid waste?					YES
Facility/Type of Operation	**Permitted Capacity**	**Ave Daily Throughput**	**Maximum Capacity**	**Permit Status**	**Comments**
NAMRL Pathological Incinerator	50lbs/hr *	29.6lbs	50lbs/hr	Expires Sep 1997	No problems
~~NAVHOSP~~ Pathological Incinerator R STENDOR CNOT LACKTOON COURY STATION	~~93lbs/hr~~	~~400lbs~~	100lbs/hr	~~Temporary~~	~~Waiting for hydro-carbon results for final permit. Final permit expected~~ by July 1994.

**** 50 lbs/hr of Type 4 Pathological Waste and limited to 2, 7.5 - 9.5 lb bags of "Red-Bag Waste" per 2 hr period.***

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

None

4d.

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

List permit violations and discuss any projects to correct deficiencies.

None

4c.

Does your base have any disposal, recycling, or incineration facilities for solid waste?					~~NO~~ YES R. Stevens CNET
Facility/Type of Operation	**Permitted Capacity**	**Ave Daily Throughput**	**Maximum Capacity**	**Permit Status**	**Comments**
NAMRL Pathological Incinerator	50lbs/hr	29.6lbs	50lbs/hr	Expires Sep 1997	No problems
~~NAVHOSP Pathological Incinerator~~ (Located at NTTC Corry Station)	~~93lbs/hr~~	~~400lbs~~	~~100lbs~~/hr	~~Temporary~~	~~Waiting for hydrocarbon results for final permit. Final permit expected by July 1994.~~ R. Stevens CNET

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

None

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP)?					NO *
ID/Location of WWTP	**Permitted Capacity**	**Ave Daily Discharge Rate**	**Maximum Capacity**	**Permit Status**	**Level of Treatment/Year Built**
** (See 4f, next page)					
	CNET N4412 R. Ryan 6-2-94				

List permit violations and discuss any projects to correct deficiencies.

None

* A 4.0 MGD WWTP, located within NAS Pensacola, is owned and operated by PWC Pensacola.

** See data next page CNET/N4412, R. Ryan, 6-2-94

Replaced by Amendment 2

CNET N4412 R. Ryan 6/7/94

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.

Domestic waste is treated at the Industrial Waste Treatment Plant.

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP)?					~~YES~~ NO
ID/Location of IWTP	**Type of Treatment**	**Permitted Capacity (Gals/Day)**	**Ave Daily Discharge Rate (Gals/Day)**	**Maximum Capacity (Gals/Day)**	**Permit Status**
ID107-194654 (FL) FL0002500654 (NPDES) NAS PENSACOLA	ADVANCED TERTIARY	4,000,000	1,800,000	4,000,000	NPDES 8/94 FLDEP 8/96

R Stand CWET

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

PWC PENSACOLA OWNS AND OPERATES WASTEWATER PLANT LOCATED WITHIN NAS PENSACOLA.

None

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

No

4h.

Does your base operate drinking Water Treatment Plants (WTP)?					~~YES~~ NO
ID/Location of WTP	**Operating (GPD)**		**Method of Treatment**	**Maximum Capacity**	**Permit Status**
	Permitted Capacity	**Daily Rate**			
NWFWMD 5841646 NTTC CORRY STATION	7,868,000**	4,000,000	CHLORINATION, CORROSION CONTROL, PH ADJUSTMENT	12,093,000	NWFWMD 7/94.

L Stand CWET

CNATRA N61 5/23/

*** Owned and operated by Public Works Center Pensacola. Wells located at NTTC Corry Station; water treated at facility and pumped directly to NAS Pensacola.**

** PERMIT BASED ON PEAK DEMAND.

CNATRA N61 5/23/94

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

None

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.

N/A

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.	NAS Pensacola is currently in the process of permitting the industrial stormwater outfalls.

4l.

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

Explain: **Located at IWTP. Collecting facility on NAS Pensacola's Charlie Pier to support visiting ships.**

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.

Building 3691 will go through closure in early FY95 and building 3819 will be used as the new Treatment Storage Disposal (TSD) Facility. The closure and move is caused by BRAC-93. Building 3819 will have slightly less total capacity (4785 gallons) than building 3691. NADEP, which closes FY 96, produces 70% of hazardous waste at NAS Pensacola. Not all of the NADEP hazardous waste go to the TSD. There will be an expansion capability after NADEP closes. Estimated percent of expansion is 40%.

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

NO. A large reduction of Hazardous Waste will occur once NADEP Pensacola is closed, thus requiring less storage capacity.

5. AIR POLLUTION

5a.

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

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

Site: **NAS Pensacola/OLF Bronson Field/OLF Choctaw** AQCA: **Northwest Florida District**

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year[1]	Comments[2]
CO	X				
Ozone	X				
PM-10	X				
SO_2	X				
NO_2	X				
Pb	X				

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

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

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	Data not available prior to 1993. NAS Pensacola located in Attainment Area for all National Ambient Air Quality Standards.				
NOx					
VOC					
PM10					

Source Document: N/A 1990 data not available. CNET N-4412, R. Ryan, 6-6-94

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	0.39	N/A *	N/A *	N/A *	0.39
NOx	1.76	N/A	N/A	N/A	1.76
VOC	146.58	N/A	N/A	N/A	146.58
PM10	1.15	N/A	N/A	N/A	1.15

Source Document: PWC State Annual Air Emissions Report - 1993 (Attachment B) and NADEP State Annual Air Emissions Report - 1993 (Attachment C)

* Not available
CNET N-4412, 6-6-94, R. Ryan

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.

Due to NADEP closure decreases in air emmisions are expected within the next 2 years.

Estimated decreases (tons/yr)

CO	**-0.11**	**NOX**	**-0.57**
VOC	**-132.97**	**PM10**	**-0.40**

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

No

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

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6. ENVIRONMENTAL COMPLIANCE

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

Program	Survey Com-pleted?	Costs in $K to correct deficiencies					
		FY 1994	FY 1995	FY 1996	FY 1997	FY 98-99	FY 00-01
Air	NO *	3	75	1,061	1,091	1,202	2
Hazardous Waste	YES	73	0	30	0	73	0
Safe Drinking Water Act	YES	0	0	0	0	0	0
PCBs	YES	250	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	YES	0	0	0	0	0	0
Lead Based Paint	*NO*	0	0	0	0	0	0
Radon	YES	0	0	0	0	0	0
Clean Water Act	YES	100	150	150	30	0	0
Solid Waste	YES	0	0	0	0	0	0
Oil Pollution Act	YES	0	0	30	0	0	0
USTs	YES	200	190	290	313	280	280
Other	NO	0	0	775	0	0	0
Total		**303**	**415**	**2,306**	**1,434**	**1,555**	**282**

*** Air Survey is in progress. Estimated completion date of July 1994.**

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

See Pages 15 (a) and 15 (b) (Revised)

6. ENVIRONMENTAL COMPLIANCE

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		FY 1994	FY 1995	FY 1996	FY 1997	FY 98-99	FY 00-01
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Hazardous Waste	YES	73	0	30	0	73	0
Safe Drinking Water Act	YES	0	0	0	0	0	0
PCBs	YES	250	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	YES	0	0	0	0	0	0
Lead Based Paint	YES	0	0	0	0	0	0
Radon	YES	0	0	0	0	0	0
Clean Water Act	YES	100	***150***	***150***	***30***	0	0
Solid Waste	YES	0	0	0	0	0	0
Oil Pollution Act	YES	0	0	30	0	0	0
USTs	YES	200	190	***290***	***313***	280	280
Other	NO	0	0	***775***	0	0	0
Total		**303**	***415***	***2,306***	***1,434***	**1,555**	**282**

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See Pages 15 (a) and 15 (b) (Revised)

COMPLIANCE PROJECTS

AIR:

FY94	PERMIT NAS BOILERS -	3K
FY95	TITLE V PERMIT -	75K
FY96	HALON FIRE SYSTEM CONVERSION -	200K
	UST/AGT VAPOR RECOVERY -	180K
	REPLACE AIMD VAPOR DEGREASER -	80K
	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY97	HALON FIRE SYSTEM CONVERSION -	200K
	CONSTRUCT PAINT BOOTH (MUESEUM) -	290K
	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY98	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY99	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY00	MISC AIR PERMITS -	1K
FY01	MISC AIR PERMITS -	1K

HAZ/WASTE:

FY94	HAZ WASTE STREAM ANALYSIS -	53K
	UPDATE HAZ/WASTE PLAN -	20K
FY95	-	
FY96	HAZ/MIN PLAN -	30K
FY97	-	
FY98	HAZ/WASTE STREAM ANALYSIS -	53K
FY99	UPDATE HAZ/WASTE PLAN -	20K
FY00	-	
FY01	-	

UST:

FY94	REMOVE UST'S (CHEVALIER) -	200K
FY95	REMOVE UST'S (BRONSON FIELD)	190K
FY96	REPAIR/REPLACE UST'S -	100K
	REPLACE/UPGRADE AGT -	85K
	REMOVE/ABANDON AGT -	25K
	UST/CLOSURE/CHANGE OF SERVICE -	80K
FY97	REPAIR/REPLACE UST'S -	100K
	REPLACE/UPGRADE AGT -	85K
	REMOVE/ABANDON AGT -	25K
	UST/CLOSURE/CHANGE OF SERVICE -	80K
	INSTALL SPILL/OVERFLOW PREVENTION EQUIPMENT	23K
FY98	REPAIR/REPLACE UST'S -	100K
	UST/CLOSURE/CHANGE OF SERVICE -	20K
	UST REMEDIATION -	20K

15(a) REVISED

FY99	- REPAIR/REPLACE UST'S -	100K
	- UST/CLOSURE/CHANGE OF SERVICE -	20K
	- UST REMEDIATION -	20K
FY00	- REPAIR/REPLACE UST'S -	100K
	- UST/CLOSURE/CHANGE OF SERVICE -	20K
	- UST REMEDIATION -	20K
FY01	- REPAIR/REPLACE UST'S -	100K
	- UST/CLOSURE/CHANGE OF SERVICE -	20K
	- UST REMEDIATION -	20K

CWA:

FY94	- FIX ILLICIT DISCHARGES -	100K
FY95	- FIX ILLICIT DISCHARGES -	100K
	- UPGRADE CHOCTAW POTABLE WATER SYSTEM -	50K
FY96	- UPGRADE CHOCTAW POTABLE WATER SYSTEM -	65K
	- NRDA BASELINE SURVEY -	55K
	- PERFORM NRDA ASSESSMENTS -	30K
FY97	- PERFORM NRDA ASSESSMENTS -	30K

OTHER:

FY96	- PREPARE POLLUTION PREVENTION PLAN -	275K
	- POLLUTION PREVENTION EQUIPMENT INSTALLATION	500K

OIL POLLUTION ACT:

FY96	- REGIONAL OPA 90 RESPONSE PLANS -	30K

15 (b) REVISED

6. ENVIRONMENTAL COMPLIANCE

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

Program	Survey Completed?	Costs in $K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	NO *	3	75	1061	1091	1202	2
Hazardous Waste	YES	73	0	30	0	73	0
Safe Drinking Water Act	YES	0	0	0	0	0	0
PCBs	YES	250	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	YES	0	0	0	0	0	0
Lead Based Paint	NO	0	0	0	0	0	0
Radon	YES	0	0	0	0	0	0
Clean Water Act	YES	100	100	0	0	0	0
Solid Waste	YES	0	0	0	0	0	0
Oil Pollution Act	YES	0	0	30	0	0	0
USTs	YES	200	190	180	180	280	280
Other	NO	0	0	0	0	0	0
Total		303	365	1301	1271	1555	282

*** Air Survey is in progress. Estimated completion date of July 1994.**

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

See Pages 15 (a) and 15 (b)

Replaced by amendment 2
CNET 4-9412
R. Ryan
6-9-94

BRAC DATA CALL #33
ENVIRONMENTAL
QUESTION 6a

COMPLIANCE PROJECTS

AIR:		
FY94 -	PERMIT NAS BOILERS -	3K
FY95 -	TITLE V PERMIT -	75K
FY96 -	HALON FIRE SYSTEM CONVERSION -	200K
	UST/AGT VAPOR RECOVERY -	180K
	REPLACE AIMD VAPOR DEGREASER -	80K
	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY97 -	HALON FIRE SYSTEM CONVERSION -	200K
	CONSTRUCT PAINT BOOTH (MUESEUM) -	290K
	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY98 -	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY99 -	MISC AIR PERMITS -	1K
	CLASS I ODS/AC/REFRIGERATION CONVERSION -	600K
FY00 -	MISC AIR PERMITS -	1K
FY01 -	MISC AIR PERMITS -	1K
HAZ/WASTE:		
FY94 -	HAZ WASTE STREAM ANALYSIS -	53K
	UPDATE HAZ/WASTE PLAN -	20K
FY95 -		
FY96 -	HAZ/MIN PLAN -	30K
FY97 -		
FY98 -	HAZ/WASTE STREAM ANALYSIS -	53K
FY99 -	UPDATE HAZ/WASTE PLAN -	20K
FY00 -		
FY01 -		
UST:		
FY94 -	REMOVE UST'S (CHEVALIER) -	200K
FY95 -	REMOVE UST'S (BRONSON FIELD)	190K
FY96 -	REPAIR/REPLACE UST'S -	100K
-	UST/CLOSURE/CHANGE OF SERVICE -	80K
FY97 -	REPAIR/REPLACE UST'S -	100K
-	UST/CLOSURE/CHANGE OF SERVICE -	80K
FY98 -	REPAIR/REPLACE UST'S -	100K
-	UST/CLOSURE/CHANGE OF SERVICE -	20K
-	UST REMEDIATION -	20K

Replaced by amend 2

FY99	- REPAIR/REPLACE UST'S -	100K
	- UST/CLOSURE/CHANGE OF SERVICE -	20K
	- UST REMEDIATION -	20K
FY00	- REPAIR/REPLACE UST'S -	100K
	- UST/CLOSURE/CHANGE OF SERVICE -	20K
	- UST REMEDIATION -	20K
FY01	- REPAIR/REPLACE UST'S -	100K
	- UST/CLOSURE/CHANGE OF SERVICE -	20K
	- UST REMEDIATION -	20K

CWA:

FY94	- FIX ILLICIT DISCHARGES -	100K
FY95	- FIX ILLICIT DISCHARGES -	100K

Replaced by Amendment 2

6b.
Does your base have structures containing asbestos? **Yes** What % of your base has been surveyed for asbestos? **100%** Are additional surveys planned? **No** What is the estimated cost to remediate asbestos ($K) **65K per year to maintain Operational and Maintenance Plans. Asbestos removal projects to be funded by the DAP/MIS Program.** Are asbestos survey costs based on encapsulation, removal or a combination of both? **Combination of both.**

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

Funding Source	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 98-99	FY 00-01
O&MN								
HA	0	0	0	0	0	0	0	0
PA	259K	339K	***100K***	401K	339K	259K	610K	610K
Other O&MN (specify)	~~62K~~ * (1) 620K	~~125K~~ * (1) 1245K	389K * (1) 1023K	***1,291K***	***1,430K***	***1,473K***	***2,946K***	***2,946K***
Other (specify)	0	0	0	0	0	0	0	0
TOTAL:	**321K**	**464K**	***489K***	***1,692K***	***1,769K***	***1,732K***	***3,556K***	***3,556K***

**** Data provided by NAS Pensacola Comptroller (No other information available).***

NOTE: For Other O&MN FY1995-FY00-01 See Pages 16 (a) through 16 (f).

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

No

(1) CORRECTION PHONCON D. SPARKS R. STENDER 6/7/94

DATA CALL 33, QUESTION 6c, Recurring Cost (OM&N)

FY95

SALARIES:	E4FX - SHORE PROTECTION -	430K	
	E4FT - HAZ/WASTE -	104K	
		TOTAL:	534K

TRAINING/TRAVEL/EQUIPMENT/SUPPLIES:			
	EFFX - SHORE PROTECTION -	60K	
	E4FT - HAZ/WASTE -	9K	
		TOTAL:	69K

1) LDR CONTAMINATED SOIL
   CLASS I
   CONSTRUCTION/STUDY - 20K
2) UPGRADE CHOCTAW POTABLE WATER SYSTEM
   CLASS I
   DESIGN - 10K
   CONSTRUCTION/STUDY - 40K
3) ANNUAL STORMWATER ANALYSIS
   CLASS II
   DESIGN - 2K
   CONSTRUCTION/STUDY - 12K
4) STORMWATER POLLUTION PREVENTION EQUIPMENT
   CLASS II
   DESIGN - 10K
   CONSTRUCTION/STUDY - 25K
5) UPGRADE/REPLACE OIL/WATER SEPARATOR
   CLASS II
   DESIGN - 10K
   CONSTRUCTION/STUDY -
6) INSTALL/IMPLEMENT INVENTORY CONTROL/TANK TIGHTNESS
   CLASS II
   DESIGN - 2K
   CONSTRUCTION/STUDY - 20K
7) UST INTERIM REMEDIAL ACTIONS
   CLASS II
   DESIGN -
   CONSTRUCTION/STUDY - 10K
8) HAZ/WASTE DISPOSAL

   DESIGN - 152K
   CONSTRUCTION/STUDY - 15K

9) SHORE PROTECTION MISC (ENG/TESTING, ETC.)
CLASS II

DESIGN - 50K
CONSTRUCTION/STUDY - 200K

10) ASBESTOS MANAGEMENT PLAN
CLASS II

DESIGN - 6K
CONSTRUCTION/STUDY - 60K

11) UST REMEDIAL INVESTIGATION
CLASS II

DESIGN -
CONSTRUCTION/STUDY - 10K

12) REPAIR/REPLACE LEAKING UST
CLASS II

DESIGN - 2K
CONSTRUCTION/STUDY - 10K

13) UST RELEASE DETECTION OPERATIONS/MAINTENANCE
CLASS II

DESIGN - 2K
CONSTRUCTION/STUDY - 20K

FY96

SALARIES: E4FX - SHORE PROTECTION - 516K
E4FT - HAZ/WASTE - 104K
TOTAL: 620K

TRAINING/TRAVEL/EQUIPMENT/SUPPLIES:
EFFX - SHORE PROTECTION - 65K
E4FT - HAZ/WASTE - 12K
TOTAL: 77K

1) LDR CONTAMINATED SOIL
CLASS I
CONSTRUCTION/STUDY - 20K

2) HAZ/WASTE DISPOSAL
DESIGN - 152K

3) SHORE PROTECTION (ENG/TESTING, ETC.)
DESIGN - 50K

4) ANNUAL STORMWATER ANALYSIS
CLASS II
DESIGN - 2K
CONSTRUCTION/STUDY - 12K

5) STORMWATER POLLUTION PREVENTION EQUIPMENT
CLASS II
DESIGN - 10K
CONSTRUCTION/STUDY - 100K

6) UPGRADE/REPLACE OIL/WATER SEPARATOR
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 100K

7) INSTALL/IMPLEMENT INVENTORY CONTROL/TANK TIGHTNESS
CLASS II
DESIGN - 2K
CONSTRUCTION/STUDY - 20K

8) UST INTERIM REMEDIAL ACTIONS
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 10K

9) ANNUAL WASTE STREAM ANALYSIS
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 100K

10) ASBESTOS MANAGEMENT PLAN
CLASS II

DESIGN - 7K
CONSTRUCTION/STUDY - 70K

11) UST REMEDIAL INVESTIGATION
CLASS II

DESIGN -
CONSTRUCTION/STUDY - 10K

12) REPAIR/REPLACE LEAKING UST
CLASS II

DESIGN - 2K
CONSTRUCTION/STUDY - 10K

13) UST RELEASE DETECTION OPERATIONS/MAINTENANCE
CLASS II

DESIGN - 2K
CONSTRUCTION/STUDY - 20K

14) UST REMEDIATION
CLASS II

DESIGN - 4K
CONSTRUCTION/STUDY - 20K

15) PREPARE ACCIDENTAL RELEASE RISK MANAGEMENT PLAN
CLASS II

DESIGN - 10K
CONSTRUCTION/STUDY -

FY97/FY98/FY99/FY00/FY01

SALARIES: E4FX - SHORE PROTECTION - 526K
E4FT - HAZ/WASTE - 104K
TOTAL: 630K

TRAINING/TRAVEL/EQUIPMENT/SUPPLIES:
EFFX - SHORE PROTECTION - 65K
E4FT - HAZ/WASTE - 12K
TOTAL: 77K

1) ANNUAL STORMWATER ANALYSIS
CLASS II
DESIGN - 2K
CONSTRUCTION/STUDY - 12K

2) STORMWATER POLLUTION PREVENTION EQUIPMENT
CLASS II
DESIGN - 10K
CONSTRUCTION/STUDY - 150K

3) INSTALL/IMPLEMENT INVENTORY CONTROL/TANK TIGHTNESS
CLASS II
DESIGN - 2K
CONSTRUCTION/STUDY - 20K

4) UST INTERIM REMEDIAL ACTIONS
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 10K

5) UPDATE HAZWASTE MANAGEMENT PLAN
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 15K

6) ANNUAL WASTE STREAM ANALYSIS
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 50K

7) ASBESTOS MANAGEMENT PLAN
CLASS II
DESIGN - 7K
CONSTRUCTION/STUDY - 70K

8) UST REMEDIAL INVESTIGATION
CLASS II
DESIGN -
CONSTRUCTION/STUDY - 10K

9) REPAIR/REPLACE LEAKING UST
CLASS II

DESIGN - 2K
CONSTRUCTION/STUDY - 10K

10) UST RELEASE DETECTION OPERATIONS/MAINTENANCE
CLASS II

DESIGN - 2K
CONSTRUCTION/STUDY - 20K

11) HAZ/WASTE DISPOSAL

DESIGN - 152K

12) SHORE PROTECTION MISC (ENG/TESTING/ETC.)

DESIGN - 50K

13) UST REMEDIATION
CLASS II

DESIGN - 4K
CONSTRUCTION/STUDY - 20K

14) PREPARE ACCIDENTAL RELEASE RISK MANAGEMENT PLAN
CLASS II

DESIGN - 3K
CONSTRUCTION/STUDY - 75K

15) PREPARE ACCIDENTAL RELEASE RISK MANAGEMENT PLAN
CLASS II

DESIGN - 10K
CONSTRUCTION/STUDY - 60K

6b. Does your base have structures containing asbestos? **YES**. What % of your base has been surveyed for asbestos? **100%**. Are additional surveys planned? **NO**. What is the estimated cost to remediate asbestos ($K) **65K per year to maintain Operational and Maintenance Plans. Abestos removal projects to be funded by the DAP/MIS program.** Are asbestos survey costs based on encapsulation, removal or a combination of both? **Combination of both.**

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

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01
O&MN	62K	125K	389K	1048K	1048K	1048K	2096K	2096K
HA	0	0	0	0	0	0	0	0
PA	259	339	1136	401K	339K	259K	610K	610K
Other (specify)	0	0	0	0	0	0	0	0
TOTAL	321K	464K	1525K	1449K	1387K	1307K	2706K	2706K

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

No

Replaced by amendment #2

CNET N-9412
T. Ryan
6/7/99

R

UIC: 00204

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? YES	NPL Site

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) Sanitary Landfill	CERCLA	Yes	No	No	*,**	RI
(2) Waterfront Sediment	CERCLA	No	No	No	*,**	RI
(3) Crash Crew Training Area	CERCLA	Yes	No	No	*,**	RI
(4) Army Rubble Site	CERCLA	No	No	No	*,**	RI
(5) Borrow Pit	CERCLA	No	No	No	*,**	RI
(6) Fort Redoubt Rubble Disposal Site	CERCLA	No	No	No	*,**	RI
(7) Fire Fighting School	CERCLA	No	No	No	*,**	RI
(8) Rifle Range	CERCLA	No	No	No	*,**	RI
(9) Navy Yard Disposal	CERCLA	Yes	No	No	*,**	RI
(10) Commodore's Pond	CERCLA	Yes	No	No	*,**	RI
(11) North Chevalier Field Disposal Site	CERCLA	Yes	No	No	*,**	RI
(12) Scrap Bins	CERCLA	Yes	No	No	*,**	RI
(13) Magazine Point Rubble Disposal Area	CERCLA	No	No	No	*,**	RI
(14) Dredge Spoil Fill	CERCLA	Yes	No	No	*,**	RI
(15) Pesticide Rinsate Disposal	CERCLA	Yes	No	No	*,**	RI

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? Yes	NPL Site

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) Sanitary Landfill	CERCLA	Yes	No	No	*	RI
(2) Waterfront Sediment	CERCLA	No	No	No	*	RI
(3) Crash Crew Training Area	CERCLA	Yes	No	No	*	RI
(4) Army Rubble Site	CERCLA	No	No	No	*	RI
(5) Borrow Pit	CERCLA	No	No	No	*	RI
(6) Fort Redoubt Rubble Disposal Site	CERCLA	No	No	No	*	RI
(7) Fire Fighting School	CERCLA	No	No	No	*	RI
(8) Rifle Range	CERCLA	No	No	No	*	RI
(9) Navy Yard Disposal	CERCLA	Yes	No	No	*	RI
(10) Commodore's Pond	CERCLA	Yes	No	No	*	RI
(11) North Chevalier Field Disposal Site	CERCLA	Yes	No	No	*	RI
(12) Scrap Bins	CERCLA	Yes	No	No	*	RI
(13) Magazine Point Rubble Disposal Area	CERCLA	No	No	No	*	RI
(14) Dredge Spoil Fill	CERCLA	Yes	No	No	*	RI
(15) Pesticide Rinsate Disposal	CERCLA	Yes	No	No	*	RI

R

UIC: 00204

Site # or name	Type site [1]	Groundwater Contaminated?	Extends off base?	Drinking Water Source?	Cost to Complete ($M)/Est. Compl. Date	Status[2]/Comments
(16) Brush Disposal Site	CERCLA	No	No	No	*,**	RI
(17) Transformer Storage Yard	CERCLA	No	No	No	*,**	RI
(18) PCB Spill at Substation A	CERCLA	No	No	No	*,**	RI
(22) Refueler Repair Shop Fuel Disposal	CERCLA	No	No	No	*,**	RI
(24) DDT Mix Area	CERCLA	Yes	No	No	*,**	RI
(25) Radium Spill Site	CERCLA	Yes	No	No	*,**	RI
(26) Supply Department Outside Storage	CERCLA	Yes	No	No	*,**	RI
(27) Radium Dial Shop Sewer	CERCLA	Yes	No	No	*,**	RI
(28) Transformer Accident Site	CERCLA	No	No	No	*,**	RI
(29) Soil South of Building 3460	CERCLA	Yes	No	No	*,**	RI
(30) Plating Shops Buildings 649/755	CERCLA	Yes	No	No	*,**	RI
(31) Paint Shop Building 648	CERCLA	Yes	No	No	*,**	RI
(32) Industrial Sludge Drying Beds	CERCLA	Yes	No	No	*,**	RI
(33) Wastewater Treatment Ponds (Polishing and Stabilization)	CERCLA	Yes	No	No	*,**	RI
(34) Solvent Spill Site	CERCLA	Yes	No	No	*,**	RI
(35) Miscellaneous Wastewater	CERCLA	Yes	No	No	*,**	RI
(36) Industrial Wastewater Sewer Collection System	CERCLA	Yes	No	No	*,**	RI
(38) Building 71	CERCLA	Yes	No	No	*,**	RI

(16) Brush Disposal Site	CERCLA	No	No	No	*	RI
(17) Transformer Storage Yard	CERCLA	No	No	No	*	RI
(18) PCB Spill at Substation A	CERCLA	No	No	No	*	RI
(22) Refueler Repair Shop Fuel Disposal	CERCLA	No	No	No	*	RI
(24) DDT Mix Area	CERCLA	Yes	No	No	*	RI
(25) Radium Spill Site	CERCLA	Yes	No	No	*	RI
(26) Supply Department Outside Storage	CERCLA	Yes	No	No	*	RI
(27) Radium Dial Shop Sewer	CERCLA	Yes	No	No	*	RI
(28) Transformer Accident Site	CERCLA	No	No	No	*	RI
(29) Soil South of Building 3460	CERCLA	Yes	No	No	*	RI
(30) Plating Shops Buildings 649/755	CERCLA	Yes	No	No	*	RI
(31) Paint Shop Building 648	CERCLA	Yes	No	No	*	RI
(32) Industrial Sludge Drying Beds	CERCLA	Yes	No	No	*	RI
(33) Wastewater Treatment Ponds (Polishing and Stabilization)	CERCLA	Yes	No	No	*	RI
(34) Solvent Spill Site	CERCLA	Yes	No	No	*	RI
(35) Miscellaneous Wastewater	CERCLA	Yes	No	No	*	RI
(36) Industrial Wastewater Sewer Collection System	CERCLA	Yes	No	No	*	RI
(38) Building 71	CERCLA	Yes	No	No	*	RI
(39) Oak Grove	CERCLA	Yes	No	No	*	RI

R UIC: 00204

Site # or name	Type site [1]	Groundwater Contaminated?	Extends off base?	Drinking Water Source?	Cost to Complete ($M)/Est. Compl. Date	Status[2]/Comments
(39) Oak Grove	CERCLA	Yes	No	No	*,**	RI
(40) Bayou Grande	CERCLA	No	Yes	No	*,**	RI
(41) Wetlands on NAS Pensacola	CERCLA	Yes	No	No	*,**	RI
(42) Pensacola Bay	CERCLA	No	Yes	No	*,**	RI
Bronson Field	CERCLA	No	Yes (note)	Yes	*,**	PA

*** Estimated remediation of the 37 sites at FY94 dollars will equal $116 million. See Attachment D for amplifying information.**
**** Estimated completion dates for the Installation Restoration sites at NAS Pensacola, will range from calander year 1996 to calander year 2010. Note: Not all of the sites have been fully surveyed, so completion dates can only be estimated.**

Note: Bronson Field is located off base from NAS Pensacola.

[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?	NO

State scope and expected length of pump and treat operation.

Pump Groundwater out of soil and dump the water into the Industrial Waste Treatment Plant. Time frame for pumping is 20 years. Will put in Package System when IWTP closes in 1996.

7e.

Has a RCRA Facilities Assessment been performed for your base?	YES

(40) Bayou Grande	CERCLA	No	Yes	No	*	RI
(41) Wetlands on NAS Pensacola	CERCLA	Yes	No	No	*	RI
(42) Pensacola Bay	CERCLA	No	Yes	No	*	RI
Bronson Field	CERCLA	No	Yes * ~~No~~	Yes	*	PA

*** Estimated remediation of the 37 sites at FY94 dollars will equal $116 million. See Attachment D for amplifying information.**

* Bronson Field located off base from NAS Pensacola. CNET N-9412, [illegible], 6-3-94

[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?	NO

State scope and expected length of pump and treat operation.

Pump Groundwater out of soil and dumps the water into the Industrial Waste Treatment Plant. Timeframe for pumping is 20 years. Will put in Package System when IWTP closes in 1996.

7e.

Has a RCRA Facilities Assessment been performed for your base?	YES

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

Yes.
Bldg 684 Hazardous/Flammable: 25,343 SF (185,000 Total CF) Drum/Cylinder Storage 4,500 SF
Bldg 3380 Haz Mart: 3,226 SF
Bldg 3680 Hazardous/Flammable: 4,160 SF

7g. Does your base operate any conforming storage facilities for handling **hazardous waste**? If YES, describe facility, capacity, restrictions, and permit conditions.
PWC PENSACOLA OWNS AND OPERATES STORAGE FACILITY. (R. STENSBE CNOT)

No ~~Yes~~. **PWC Bldg 3691 TSD Facility; Total capacity is 39,545 gals (719 55 gal drums liquid & 180, 55 gal drums solids). Bldg 3819; Total capacity is 34,760 gal (632, 55 gal drums liquid & 448, 55 gal drums solid). Both buildings permitted for "F," "P," and "U" listed wastes along with all "D" characteristic wastes. Refer to paragraphs 4n. and 4o. for additional information.**

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

No

7i.

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

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

No

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

None

7f. Does your base operate any "Conforming Storage" facilities for handling **hazardous materials**? If YES, describe facility, capacity, restrictions, and permit conditions.

Yes.
Bldg 684 Hazardous/Flammable: 25,343 SF (185,000 Total CF) Drum/Cylinder Storage 4,500 SF
Bldg 3380 Haz Mart: 3,226 SF
Bldg 3680 Hazardous/Flammable: 4,160 SF

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

Blank CNET NO

~~**Yes.**~~ **PWC Bldg 3691 TSD Facility; Total capacity is 39,545 gals (719 55 gal drums liquid & 180, 55 gal drums solids). Bldg 3819; Total capacity is 34,760 gal (632, 55 gal drums liquid & 448, 55 gal drums solid). Both buildings permitted for "F," "P," and "U" listed wastes along with all "D" characteristic wastes. Refer to paragraphs 4n. and 4o. for additional information.**

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

No

7i.

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

Replaced by Amendment 2

CNET N-4412
R. Ryan
6/7/94

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
NAS Pensacola	5,925 *	Escambia County, Florida
OLF Bronson	1,098	Escambia County, Florida
OLF Choctaw	1,630	Santa Rosa County, Florida
PWC - Lexington Terrace Housing	37.16	Escambia County, Florida
PWC - Corry Station Housing	88.5	Escambia County, Florida

*** Includes NEX Shopping Mall near NTTC Corry Station.**

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

LAND USE CATEGORY	ACRES (Estimated)	
Total Developed: (administration, operational, housing, recreational, training, etc.)		6,842
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)	Wetlands:	929
	All Others:	1,450
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		2,906
Total Undeveloped land considered to be without development constraints		1,065
Total Off-base lands held for easements/lease for specific purposes		0

Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	19
	HERF	0
	HERP	0
	HERO	216
	AICUZ	226
	Airfield Safety Criteria	2,445*
	Other	0

*** Includes air fields and other undeveloped property.**

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.

1,650

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

NAS Pensacola does not have a current approved AICUZ. Draft AICUZ is under review/revision at NAVFACENGCOM; release is anticipated by December 1994. Draft has been incorporated in current Navy/Community planning. Airfield safety criteria waivers are current and approved. See Page 22(a).

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

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible/ Incompatible
1,964 - Escambia County, Florida	2	Mixed residential/ agricultural/vacant	Compatible

Subj: CURRENT AIRFIELD WAIVERS FOR FORREST SHERMAN FIELD

WAIVER NO.	DESCRIPTION
FS-1	Navy Quick Trans Air Cargo Terminal
FS-3	Overhead Power Line
FS-4	Overhead Power Line
FS-6	Lighthouse
FS-8	Substation between parallel runways 1250' NE of runway intersection
FS-9	Oxygen storage facility south of apron, between Bldg. 1853 and 1854
FS-11	Precision Approach Radar between parallel runways
FS-12	Communications towers, Bldg 639
FS-13	Security light poles Bldg 1912, 1913 & 1914
FS-14	Wheels watch shacks (4)
FS-15	Control Tower Bldg 1852
FS-17	RDO shelters for each runway

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

Navigational Channels/ Berthing Areas	Location / Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost ($M)
CAUSUS CHANNEL	ENTRANCE FROM GULF MEXICO/ 800'W X 3 MI	10 YEARS	1.2	44	5.5
FORT BARRANCAS RANGE	ENTRANCE TO PENSACOLA BAY/ 800' TO 2100'W x 0.8 MI	3 YEARS	0.5	44	2.4
NAVY CHANNEL	WEST END PENSACOLA BAY/ 800'W X 1.25 MI	5 YEARS	1.5	42	7.25
APPROACH CHANNEL INCLUDING TURN BASIN	PENSACOLA BAY ADJACENT TO NAS/ 800'W X 1 MI/ TURN BASIN 2000' DIAMETER	5 YEARS	1.0	42	4.7
CARRIER PIER	PENSACOLA BAY AT NAS/1180'	10 YEARS	1.1	42	5.0
WET SLIP	240'W X 580'	10 YEARS	0.03	30	0.031
FUEL PIER	BIG LAGOON 500' W X 2100' L	5 YEARS	0.04	14	0.32

8g. Summarize planned projects through FY1997 requiring **new channel or berthing area** dredged depths, include location, volume and depth.

No planned projects through FY97.

8h.

Are there available **designated dredge disposal areas** for maintenance dredging material? List location, remaining capacity, and future limitations.	YES. 12.5 mi south of Pensacola Pass (in Gulf) and Sherman Cove (Capacity 60K CY)
Are there available **designated dredge disposal areas** for new dredge material? List location, remaining capacity, and future limitations.	NO
Are the dredged materials considered contaminated? List known contaminants.	NO

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

Development along Coastal Zones (The beach-dune system including all landward natural shore and inlet processes) is restricted beyond the state determined setback line (approximately 300' landward of waterline). The Coastal Zone Management Act restricts development within this zone.

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

~~None~~ STORM WATER RUN OFF AT OLF BRONSON FIELD MAY BE AFFECTING WATER QUALITY OF PERDIDO BAY.

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	NO

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

None

9. WRAPUP

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

No

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

No

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

None

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

None

Question 3(a):

PNAS PROPERTIES LISTED BY BUILDING NUMBER AT THE FLORIDA SITE FILE

BUILDING NUMBER	SITEID	DISTRICT, BLDG NUMBER	NR DIST	SHPOEVAL
BLDG 00001, PNAS	8ES01598	PNAS NR DISTRICT 00001	8ES00103	LIKE
BLDG 00008, PNAS	8ES01860	CRADLE NAVAL AVIATN00008	8ES00103	LIKE
BLDG 00016, PNAS	8ES01623	OLD NAVY YARD 00016	8ES00103	LIKE
BLDG 00018, PNAS	8ES01624	OLD NAVY YARD 00018	8ES00103	LIKE
BLDG 00019, PNAS	8ES01625	OLD NAVY YARD 00019	8ES00103	LIKE
BLDG 00021, PNAS	8ES01861	CRADLE NAVAL AVIATN00021		LIKE
BLDG 00025, PNAS	8ES01626	OLD NAVY YARD 00025	8ES00103	LIKE
BLDG 00026, PNAS	8ES01862	CRADLE NAVAL AVIATN00026	8ES00103	LIKE
BLDG 00027, PNAS	8ES01599	PNAS NR DISTRICT 00027	8ES00103	LIKE
BLDG 00028, PNAS	8ES01627	OLD NAVY YARD 00028	8ES00103	LIKE
BLDG 00034, PNAS	8ES01628	OLD NAVY YARD 00034	8ES00103	LIKE
BLDG 00038, PNAS	8ES01863	CRADLE NAVAL AVIATN00038	8ES00103	LIKE
BLDG 00038A, PNAS	8ES01864	CRADLE NAVAL AVIATN00038A		LIKE
BLDG 00040, PNAS	8ES01629	OLD NAVY YARD 00040	8ES00103	LIKE
BLDG 00044, PNAS	8ES01865	CRADLE NAVAL AVIATN00044	8ES00103	LIKE
BLDG 00045, PNAS	8ES01630	OLD NAVY YARD 00045	8ES00103	LIKE
BLDG 00047A, PNAS	8ES01600	PNAS NR DISTRICT 00047A	8ES00103	LIKE
BLDG 00049, PNAS	8ES01866	CRADLE NAVAL AVIATN00049	8ES00103	LIKE
BLDG 00051, PNAS	8ES01867	CRADLE NAVAL AVIATN00051	8ES00103	LIKE
BLDG 00052, PNAS	8ES01631	OLD NAVY YARD 00052	8ES00103	LIKE
BLDG 00054, PNAS	8ES01690	OLD WARRINGTON 00054		NO
BLDG 00058, PNAS	8ES01691	OLD WARRINGTON 00058		LIKE
BLDG 00067, PNAS	8ES01868	CRADLE NAVAL AVIATN00067		NO
BLDG 00071, PNAS	8ES01869	CRADLE NAVAL AVIATN00071	8ES00103	LIKE
BLDG 00072, PNAS	8ES01870	CRADLE NAVAL AVIATN00072	8ES00103	LIKE
BLDG 00073, PNAS	8ES01871	CRADLE NAVAL AVIATN00073	8ES00103	LIKE
BLDG 00074, PNAS	8ES01872	CRADLE NAVAL AVIATN00074	8ES00103	LIKE
BLDG 00075, PNAS	8ES01873	CRADLE NAVAL AVIATN00075	8ES00103	LIKE
BLDG 00076, PNAS	8ES01874	CRADLE NAVAL AVIATN00076	8ES00103	LIKE
BLDG 00085, PNAS	8ES01601	PNAS NR DISTRICT 00085	8ES00103	LIKE
BLDG 00096, PNAS	8ES01767	EARLY WALL&LANDSCAPE00096		LIKE
BLDG 000BC, PNAS	8ES01618	OLD NAVY YARD 0000BC		LIKE
BLDG 000GG, PNAS	8ES01619	OLD NAVY YARD 0000GG		NO
BLDG 000HC, PNAS	8ES01620	OLD NAVY YARD 0000HC		LIKE
BLDG 0001E, PNAS	8ES01621	OLD NAVY YARD 00001E		NO
BLDG 0001G, PNAS	8ES01622	OLD NAVY YARD 00001G		NO
BLDG 00104, PNAS	8ES01875	CRADLE NAVAL AVIATN00104	8ES00103	LIKE
BLDG 00107, PNAS	8ES01632	OLD NAVY YARD 00107	8ES00103	LIKE
BLDG 00139, PNAS	8ES01876	CRADLE NAVAL AVIATN00139	8ES00103	LIKE
BLDG 00140, PNAS	8ES01633	OLD NAVY YARD 00140		LIKE
BLDG 00143A, PNAS	8ES01634	OLD NAVY YARD 00143A		NO
BLDG 00146, PNAS	8ES01877	CRADLE NAVAL AVIATN00146		NO
BLDG 00167, PNAS	8ES01884	PNAS NR DISTRICT 00167	8ES00103	LIKE
BLDG 00168, PNAS	8ES01602	PNAS NR DISTRICT 00168	8ES00103	LIKE
BLDG 00169, PNAS	8ES01603	PNAS NR DISTRICT 00169	8ES00103	LIKE
BLDG 00170, PNAS	8ES01604	PNAS NR DISTRICT 00170	8ES00103	LIKE
BLDG 00177, PNAS	8ES01605	PNAS NR DISTRICT 00177	8ES00103	LIKE
BLDG 00178, PNAS	8ES01606	PNAS NR DISTRICT 00178	8ES00103	LIKE
BLDG 00183, PNAS	8ES01739	1917-18 OFFCR HOUS 00183		NO
BLDG 00191, PNAS	8ES01878	CRADLE NAVAL AVIATN00191	8ES00103	LIKE
BLDG 00216, PNAS	8ES01842	ANNAPOLIS DF AIR 00216		NO
BLDG 00221, PNAS	8ES01635	OLD NAVY YARD 00221	8ES00103	LIKE

ATTACHMENT A

PNAS PROPERTIES LISTED BY BUILDING NUMBER AT THE FLORIDA SITE FILE

BUILDING NUMBER	SITEID	DISTRICT, BLDG NUMBER	NR DIST	SHPOEVAL
BLDG 00223, PNAS	8ES01607	PNAS NR DISTRICT 00223	8ES00103	LIKE
BLDG 00225, PNAS	8ES01761	WW2 UTILITY BLDGS 00225		LIKE
BLDG 00226, PNAS	8ES01762	WW2 UTILITY BLDGS 00226		LIKE
BLDG 00234, PNAS	8ES01636	OLD NAVY YARD 00234		NO
BLDG 00253, PNAS	8ES01747	WW2 HOUSING & ADMIN00253		LIKE
BLDG 00260, PNAS	8ES01637	OLD NAVY YARD 00260		LIKE
BLDG 00263A, PNAS	8ES01638	OLD NAVY YARD 00263A		NO
BLDG 00302, PNAS	8ES01639	OLD NAVY YARD 00302		LIKE
BLDG 00302C, PNAS	8ES01640	OLD NAVY YARD 00302C		LIKE
BLDG 00303, PNAS	8ES01641	OLD NAVY YARD 00303		LIKE
BLDG 00317, PNAS	8ES01879	CRADLE NAVAL AVIATN00317		NO
BLDG 00332A, PNAS	8ES01692	OLD WARRINGTON 00332A		LIKE
BLDG 00354, PNAS	8ES01642	OLD NAVY YARD 00354		NO
BLDG 00356, PNAS	8ES01693	OLD WARRINGTON 00356		NO
BLDG 00357, PNAS	8ES01694	OLD WARRINGTON 00357		NO
BLDG 00365A, PNAS	8ES01657	MISCELL NC RESOURCE00365A		NO
BLDG 00377, PNAS	8ES01643	OLD NAVY YARD 00377	8ES00103	LIKE
BLDG 00378, PNAS	8ES01880	CRADLE NAVAL AVIATN00378	8ES00103	LIKE
BLDG 00384, PNAS	8ES01881	CRADLE NAVAL AVIATN00384		LIKE
BLDG 00407, PNAS	8ES01843	ANNAPOLIS OF AIR 00407		NO
BLDG 00409, PNAS	8ES01740	1917-18 OFFCR HOUS 00409		LIKE
BLDG 00415, PNAS	8ES01658	MISCELL NC RESOURCE00415		NO
BLDG 00441, PNAS	8ES01644	OLD NAVY YARD 00441	8ES00103	LIKE
BLDG 00445, PNAS	8ES01659	MISCELL NC RESOURCE00445		NO
BLDG 00448, PNAS	8ES01695	OLD WARRINGTON 00448		LIKE
BLDG 00452, PNAS	8ES01645	OLD NAVY YARD 00452		LIKE
BLDG 00455, PNAS	8ES01660	MISCELL NC RESOURCE00455		NO
BLDG 00456, PNAS	8ES01748	WW2 HOUSING & ADMIN00456		NO
BLDG 00458, PNAS	8ES01749	WW2 HOUSING & ADMIN00458		LIKE
BLDG 00458A, PNAS	8ES01750	WW2 HOUSING & ADMIN00458A		LIKE
BLDG 00463, PNAS	8ES01751	WW2 HOUSING & ADMIN00463		LIKE
BLDG 00464, PNAS	8ES01752	WW2 HOUSING & ADMIN00464		LIKE
BLDG 00467, PNAS	8ES01661	MISCELL NC RESOURCE00467		NO
BLDG 00470, PNAS	8ES01696	OLD WARRINGTON 00470		NO
BLDG 00474, PNAS	8ES01646	OLD NAVY YARD 00474		LIKE
BLDG 00475, PNAS	8ES01662	MISCELL NC RESOURCE00475		NO
BLDG 00478A, PNAS	8ES01779	WW2 MAGAZINES 00478A		LIKE
BLDG 00494, PNAS	8ES01741	1917-18 OFFCR HOUS 00494		NO
BLDG 00495B, PNAS	8ES01663	MISCELL NC RESOURCE00495B		NO
BLDG 00600, PNAS	8ES01697	OLD WARRINGTON 00600		LIKE
BLDG 00600A, PNAS	8ES01698	OLD WARRINGTON 00600A		LIKE
BLDG 00600B, PNAS	8ES01699	OLD WARRINGTON 00600B		LIKE
BLDG 00601, PNAS	8ES01844	ANNAPOLIS OF AIR 00601		LIKE
BLDG 00602, PNAS	8ES01845	ANNAPOLIS OF AIR 00602		LIKE
BLDG 00603, PNAS	8ES01647	OLD NAVY YARD 00603		LIKE
BLDG 00604, PNAS	8ES01648	OLD NAVY YARD 00604		LIKE
BLDG 00605, PNAS	8ES01649	OLD NAVY YARD 00605		NO
BLDG 00605A, PNAS	8ES01650	OLD NAVY YARD 00605A		NO
BLDG 00606, PNAS	8ES01773	WOOLSEY VILLAGE 00606		LIKE
BLDG 00607, PNAS	8ES01774	WOOLSEY VILLAGE 00607		LIKE
BLDG 00615, PNAS	8ES01753	WW2 HOUSING & ADMIN00615		NO
BLDG 00623, PNAS	8ES01846	ANNAPOLIS OF AIR 00623		LIKE
BLDG 00624, PNAS	8ES01847	ANNAPOLIS OF AIR 00624		LIKE

PNAS PROPERTIES LISTED BY BUILDING NUMBER AT THE FLORIDA SITE FILE

BUILDING NUMBER	SITEID	DISTRICT, BLDG NUMBER	NR DIST	SHPDEVAL
BLDG 00624A, PNAS	8ES01848	ANNAPOLIS OF AIR 00624A		NO
BLDG 00625, PNAS	8ES01849	ANNAPOLIS OF AIR 00625		LIKE
BLDG 00625A, PNAS	8ES01850	ANNAPOLIS OF AIR 00625A		NO
BLDG 00625B, PNAS	8ES01851	ANNAPOLIS OF AIR 00625B		LIKE
BLDG 00625C, PNAS	8ES01852	ANNAPOLIS OF AIR 00625C		LIKE
BLDG 00625D, PNAS	8ES01853	ANNAPOLIS OF AIR 00625D		LIKE
BLDG 00626, PNAS	8ES01854	ANNAPOLIS OF AIR 00626		LIKE
BLDG 00626A, PNAS	8ES01855	ANNAPOLIS OF AIR 00626A		NO
BLDG 00626B, PNAS	8ES01856	ANNAPOLIS OF AIR 00626B		LIKE
BLDG 00626D, PNAS	8ES01857	ANNAPOLIS OF AIR 00626D		NO
BLDG 00627, PNAS	8ES01775	WOOLSEY VILLAGE 00627		LIKE
BLDG 00628, PNAS	8ES01754	WW2 HOUSING & ADMIN00628		LIKE
BLDG 00628B, PNAS	8ES01755	WW2 HOUSING & ADMIN00628B		LIKE
BLDG 00630, PNAS	8ES01776	WOOLSEY VILLAGE 00630		LIKE
BLDG 00631, PNAS	8ES01651	OLD NAVY YARD 00631		LIKE
BLDG 00631B, PNAS	8ES01652	OLD NAVY YARD 00631B		NO
BLDG 00632, PNAS	8ES01700	OLD WARRINGTON 00632		LIKE
BLDG 00633, PNAS	8ES01858	ANNAPOLIS OF AIR 00633		LIKE
BLDG 00634, PNAS	8ES01701	OLD WARRINGTON 00634		LIKE
BLDG 00634B, PNAS	8ES01702	OLD WARRINGTON 00634B		NO
BLDG 00635, PNAS	8ES01703	OLD WARRINGTON 00635		LIKE
BLDG 00636, PNAS	8ES01653	OLD NAVY YARD 00636		LIKE
BLDG 00637, PNAS	8ES01704	OLD WARRINGTON 00637		LIKE
BLDG 00639, PNAS	8ES01733	MISCELL NR RESOURCE 00639		LIKE
BLDG 00639A, PNAS	8ES01664	MISCELL NC RESOURCE00639A		NO
BLDG 00639C, PNAS	8ES01665	MISCELL NC RESOURCE00639C		NO
BLDG 00643, PNAS	8ES01756	WW2 HOUSING & ADMIN00643		NO
BLDG 00644, PNAS	8ES01705	OLD WARRINGTON 00644		NO
BLDG 00646, PNAS	8ES01654	OLD NAVY YARD 00646		LIKE
BLDG 00647, PNAS	8ES01666	MISCELL NC RESOURCE00647		NO
BLDG 00648, PNAS	8ES01763	WW2 UTILITY BLDGS 00648		LIKE
BLDG 00649, PNAS	8ES01764	WW2 UTILITY BLDGS 00649		LIKE
BLDG 00654, PNAS	8ES01706	OLD WARRINGTON 00654		LIKE
BLDG 00664, PNAS	8ES01757	WW2 HOUSING & ADMIN00664		LIKE
BLDG 00665, PNAS	8ES01758	WW2 HOUSING & ADMIN00665		LIKE
BLDG 00667, PNAS	8ES01707	OLD WARRINGTON 00667		LIKE
BLDG 00670, PNAS	8ES01708	OLD WARRINGTON 00670		LIKE
BLDG 00671, PNAS	8ES01759	WW2 HOUSING & ADMIN00671		LIKE
BLDG 00672, PNAS	8ES01709	OLD WARRINGTON 00672		LIKE
BLDG 00673, PNAS	8ES01780	WW2 MAGAZINES 00673		LIKE
BLDG 00679, PNAS	8ES01710	OLD WARRINGTON 00679		LIKE
BLDG 00680, PNAS	8ES01711	OLD WARRINGTON 00680		LIKE
BLDG 00681, PNAS	8ES01667	MISCELL NC RESOURCE00681		NO
BLDG 00681A, PNAS	8ES01668	MISCELL NC RESOURCE00681A		NO
BLDG 00682, PNAS	8ES01669	MISCELL NC RESOURCE00682		NO
BLDG 00682A, PNAS	8ES01670	MISCELL NC RESOURCE00682A		NO
BLDG 00684, PNAS	8ES01671	MISCELL NC RESOURCE00684		NO
BLDG 00685, PNAS	8ES01672	MISCELL NC RESOURCE00685		NO
BLDG 00686, PNAS	8ES01673	MISCELL NC RESOURCE00686		NO
BLDG 00692, PNAS	8ES01674	MISCELL NC RESOURCE00692		NO
BLDG 00696, PNAS	8ES01675	MISCELL NC RESOURCE00696		NO
BLDG 00697, PNAS	8ES01760	WW2 HOUSING & ADMIN00697		LIKE
BLDG 00697A, PNAS	8ES01742	1917-18 OFFCR HOUS 00697A		NO

PNAS PROPERTIES LISTED BY BUILDING NUMBER AT THE FLORIDA SITE FILE

BUILDING NUMBER	SITEID	DISTRICT, BLDG NUMBER	NR DIST	SHPOEVAL
BLDG 00702, PNAS	8ES01765	WW2 UTILITY BLDGS 00702		LIKE
BLDG 00703, PNAS	8ES01781	WW2 MAGAZINES 00703		LIKE
BLDG 00704, PNAS	8ES01676	MISCELL NC RESOURCE00704		NO
BLDG 00705, PNAS	8ES01677	MISCELL NC RESOURCE00705		NO
BLDG 00706, PNAS	8ES01678	MISCELL NC RESOURCE00706		NO
BLDG 00707, PNAS	8ES01655	OLD NAVY YARD 00707		LIKE
BLDG 00708A, PNAS	8ES01679	MISCELL NC RESOURCE00708A		NO
BLDG 00708B, PNAS	8ES01680	MISCELL NC RESOURCE00708B		NO
BLDG 00709A, PNAS	8ES01766	WW2 UTILITY BLDGS 00709A		LIKE
BLDG 00710, PNAS	8ES01859	ANNAPOLIS OF AIR 00710		LIKE
BLDG 00712, PNAS	8ES01682	MISCELL NC RESOURCE00712		NO
BLDG 00721, PNAS	8ES01683	MISCELL NC RESOURCE00721		NO
BLDG 00734A, PNAS	8ES01684	MISCELL NC RESOURCE00034A		NO
BLDG 00736, PNAS	8ES01685	MISCELL NC RESOURCE00736		NO
BLDG 00738, PNAS	8ES01656	OLD NAVY YARD 00738		LIKE
BLDG 00751, PNAS	8ES01686	MISCELL NC RESOURCE00751		NO
BLDG 00760, PNAS	8ES01735	SKEET RANGE 00760		LIKE
BLDG 00760B, PNAS	8ES01736	SKEET RANGE 00760B		LIKE
BLDG 00760C, PNAS	8ES01737	SKEET RANGE 00760C		LIKE
BLDG 00760F, PNAS	8ES01738	SKEET RANGE 00760F		LIKE
BLDG 00762, PNAS	8ES01777	WOOLSEY VILLAGE 00762		NO
BLDG 00Q01, PNAS	8ES01608	PNAS NR DISTRICT 00Q01	8ES00103	LIKE
BLDG 00Q02, PNAS	8ES01609	PNAS NR DISTRICT 00Q02	8ES00103	LIKE
BLDG 00Q03, PNAS	8ES01610	PNAS NR DISTRICT 00Q03	8ES00103	LIKE
BLDG 00Q04, PNAS	8ES01611	PNAS NR DISTRICT 00Q04	8ES00103	LIKE
BLDG 00Q05, PNAS	8ES01612	PNAS NR DISTRICT 00Q05	8ES00103	LIKE
BLDG 00Q06, PNAS	8ES01613	PNAS NR DISTRICT 00Q06	8ES00103	LIKE
BLDG 00Q07, PNAS	8ES01614	PNAS NR DISTRICT 00Q07	8ES00103	LIKE
BLDG 00Q08, PNAS	8ES01615	PNAS NR DISTRICT 00Q08	8ES00103	LIKE
BLDG 00Q09, PNAS	8ES01616	PNAS NR DISTRICT 00Q09	8ES00103	LIKE
BLDG 00Q10, PNAS	8ES01617	PNAS NR DISTRICT 00Q10	8ES00103	LIKE
BLDG 00Q12, PNAS	8ES01713	OLD WARRINGTON 00Q12		LIKE
BLDG 00Q13, PNAS	8ES01714	OLD WARRINGTON 00Q13		LIKE
BLDG 00Q14, PNAS	8ES01715	OLD WARRINGTON 00Q14		LIKE
BLDG 00Q15, PNAS	8ES01716	OLD WARRINGTON 00Q15		LIKE
BLDG 00Q16, PNAS	8ES01717	OLD WARRINGTON 00Q16		LIKE
BLDG 00Q17, PNAS	8ES01718	OLD WARRINGTON 00Q17		LIKE
BLDG 00Q18, PNAS	8ES01719	OLD WARRINGTON 00Q18		LIKE
BLDG 00Q19, PNAS	8ES01720	OLD WARRINGTON 00Q19		LIKE
BLDG 00Q20, PNAS	8ES01721	OLD WARRINGTON 00Q20		LIKE
BLDG 00Q21, PNAS	8ES01722	OLD WARRINGTON 00Q21		LIKE
BLDG 00Q22, PNAS	8ES01723	OLD WARRINGTON 00Q22		LIKE
BLDG 00Q23, PNAS	8ES01724	OLD WARRINGTON 00Q23		LIKE
BLDG 00Q24, PNAS	8ES01725	OLD WARRINGTON 00Q24		LIKE
BLDG 00Q25, PNAS	8ES01726	OLD WARRINGTON 00Q25		LIKE
BLDG 00Q26, PNAS	8ES01727	OLD WARRINGTON 00Q26		LIKE
BLDG 00Q27, PNAS	8ES01728	OLD WARRINGTON 00Q27		LIKE
BLDG 00Q28, PNAS	8ES01729	OLD WARRINGTON 00Q28		LIKE
BLDG 00Q29, PNAS	8ES01730	OLD WARRINGTON 00Q29		LIKE
BLDG 00Q30, PNAS	8ES01731	OLD WARRINGTON 00Q30		LIKE
BLDG 00Q31, PNAS	8ES01732	OLD WARRINGTON 00Q31		LIKE
BLDG 00Q33, PNAS	8ES01807	BARRANCAS ARMY POST00Q33		LIKE
BLDG 00Q33A, PNAS	8ES01808	BARRANCAS ARMY POST00Q33A		LIKE

PNAS PROPERTIES LISTED BY BUILDING NUMBER AT THE FLORIDA SITE FILE

BUILDING NUMBER	SITEID	DISTRICT, BLDG NUMBER	NR DIST	SHPOEVAL
BLDG 00034, PNAS	8ES01809	BARRANCAS ARMY POST00034		LIKE
BLDG 00034A, PNAS	8ES01810	BARRANCAS ARMY POST00034A		LIKE
BLDG 00035, PNAS	8ES01811	BARRANCAS ARMY POST00035		LIKE
BLDG 00035A, PNAS	8ES01812	BARRANCAS ARMY POST00035A		LIKE
BLDG 00036, PNAS	8ES01813	BARRANCAS ARMY POST00036		LIKE
BLDG 00036A, PNAS	8ES01814	BARRANCAS ARMY POST00036A		LIKE
BLDG 00037, PNAS	8ES01815	BARRANCAS ARMY POST00037		LIKE
BLDG 00037A, PNAS	8ES01816	BARRANCAS ARMY POST00037A		LIKE
BLDG 00039, PNAS	8ES01817	BARRANCAS ARMY POST00039		LIKE
BLDG 00039A, PNAS	8ES01818	BARRANCAS ARMY POST00039A		LIKE
BLDG 00040, PNAS	8ES01819	BARRANCAS ARMY POST00040		LIKE
BLDG 00040A, PNAS	8ES01820	BARRANCAS ARMY POST00040A		LIKE
BLDG 00041, PNAS	8ES01821	BARRANCAS ARMY POST00041		LIKE
BLDG 00042, PNAS	8ES01822	BARRANCAS ARMY POST00042		LIKE
BLDG 00042A, PNAS	8ES01823	BARRANCAS ARMY POST00042A		LIKE
BLDG 00043, PNAS	8ES01824	BARRANCAS ARMY POST00043		LIKE
BLDG 00043A, PNAS	8ES01825	BARRANCAS ARMY POST00043A		LIKE
BLDG 00045, PNAS	8ES01826	BARRANCAS ARMY POST00045		LIKE
BLDG 00045A, PNAS	8ES01827	BARRANCAS ARMY POST00045A		LIKE
BLDG 00046, PNAS	8ES01828	BARRANCAS ARMY POST00046		LIKE
BLDG 00046A, PNAS	8ES01829	BARRANCAS ARMY POST00046A		LIKE
BLDG 00047, PNAS	8ES01830	BARRANCAS ARMY POST00047		LIKE
BLDG 00048, PNAS	8ES01831	BARRANCAS ARMY POST00048		LIKE
BLDG 00049, PNAS	8ES01832	BARRANCAS ARMY POST00049		LIKE
BLDG 00050, PNAS	8ES01833	BARRANCAS ARMY POST00050		LIKE
BLDG 00051, PNAS	8ES01834	BARRANCAS ARMY POST00051		LIKE
BLDG 00052, PNAS	8ES01835	BARRANCAS ARMY POST00052		LIKE
BLDG 00053, PNAS	8ES01836	BARRANCAS ARMY POST00053		LIKE
BLDG 00054, PNAS	8ES01837	BARRANCAS ARMY POST00054		LIKE
BLDG 00055, PNAS	8ES01838	BARRANCAS ARMY POST00055		LIKE
BLDG 00056, PNAS	8ES01839	BARRANCAS ARMY POST00056		LIKE
BLDG 00057, PNAS	8ES01840	BARRANCAS ARMY POST00057		LIKE
BLDG 00058, PNAS	8ES01841	BARRANCAS ARMY POST00058		LIKE
BLDG 01500, PNAS	8ES01782	BARRANCAS ARMY POST01500		LIKE
BLDG 01504, PNAS	8ES01783	BARRANCAS ARMY POST01504		LIKE
BLDG 01510, PNAS	8ES01784	BARRANCAS ARMY POST01510		NO
BLDG 01518, PNAS	8ES01785	BARRANCAS ARMY POST01518		NO
BLDG 01519, PNAS	8ES01786	BARRANCAS ARMY POST01519		NO
BLDG 01523, PNAS	8ES01787	BARRANCAS ARMY POST01523		LIKE
BLDG 01524, PNAS	8ES01788	BARRANCAS ARMY POST01524		LIKE
BLDG 01527, PNAS	8ES01789	BARRANCAS ARMY POST01527		NO
BLDG 01531, PNAS	8ES01790	BARRANCAS ARMY POST01531		NO
BLDG 01534, PNAS	8ES01791	BARRANCAS ARMY POST01534		LIKE
BLDG 01536, PNAS	8ES01792	BARRANCAS ARMY POST01536		NO
BLDG 01538, PNAS	8ES01793	BARRANCAS ARMY POST01538		LIKE
BLDG 01545, PNAS	8ES01794	BARRANCAS ARMY POST01545		NO
BLDG 01565, PNAS	8ES01795	BARRANCAS ARMY POST01565		LIKE
BLDG 01567, PNAS	8ES01796	BARRANCAS ARMY POST01567		NO
BLDG 01580, PNAS	8ES01734	MISCELL NR RESOURCE 01580		LIKE
BLDG 01591, PNAS	8ES01797	BARRANCAS ARMY POST01591		NO
BLDG 01642, PNAS	8ES01712	OLD WARRINGTON 01642		NO
BLDG 01681, PNAS	8ES01798	BARRANCAS ARMY POST01681		NO
BLDG 01695, PNAS	8ES01799	BARRANCAS ARMY POST01695		NO

PNAS PROPERTIES LISTED BY BUILDING NUMBER AT THE FLORIDA SITE FILE

BUILDING NUMBER	SITEID	DISTRICT, BLDG NUMBER	NR DIST	SHPOEVAL
BLDG 01704, PNAS	8ES01800	BARRANCAS ARMY POST01704		NO
BLDG 01707, PNAS	8ES01801	BARRANCAS ARMY POST01707		NO
BLDG 01713, PNAS	8ES01802	BARRANCAS ARMY POST01713		NO
BLDG 01733, PNAS	8ES01803	BARRANCAS ARMY POST01733		NO
BLDG 01750, PNAS	8ES01804	BARRANCAS ARMY POST01750		LIKE
BLDG 01753, PNAS	8ES01805	BARRANCAS ARMY POST01753		NO
BLDG 01754, PNAS	8ES01806	BARRANCAS ARMY POST01754		LIKE
BLDG 01769, PNAS	8ES01687	MISCELL NC RESOURCE01769		NO
BLDG 01824, PNAS	8ES01882	CRADLE NAVAL AVIATN01824		LIKE
BLDG 01825, PNAS	8ES01883	CRADLE NAVAL AVIATN01825		NO
BLDG 01842, PNAS	8ES01772	EARLY WALL&LANDSCAPE01842		LIKE
BLDG 01843, PNAS	8ES01769	EARLY WALL&LANDSCAPE01843		LIKE
BLDG 01845, PNAS	8ES01770	EARLY WALL&LANDSCAPE01845		LIKE
BLDG 01846, PNAS	8ES01771	EARLY WALL&LANDSCAPE01846		LIKE
BLDG 01849, PNAS	8ES01768	EARLY WALL&LANDSCAPE01849		LIKE
BLDG 01860, PNAS	8ES01778	WOOLSEY VILLAGE 01860		NO
BLDG 01905, PNAS	8ES01688	MISCELL NC RESOURCE01905		NO
BLDG 01919, PNAS	8ES01689	MISCELL NC RESOURCE01919		NO
BLDG 0708C, PNAS	8ES01681	MISCELL NC RESOURCE0708C		NO
BLDG 0Q148A, PNAS	8ES01743	1917-18 OFFCR HOUS 0Q148A		LIKE
BLDG 0Q148B, PNAS	8ES01744	1917-18 OFFCR HOUS 0Q148B		LIKE
BLDG 0Q208, PNAS	8ES01745	1917-18 OFFCR HOUS 0Q208		LIKE
BLDG 0Q209, PNAS	8ES01746	1917-18 OFFCR HOUS 0Q209		LIKE

12

DEPARTMENT OF THE NAVY
NAVY PUBLIC WORKS CENTER
310 JOHN TOWER ROAD
PENSACOLA, FLORIDA 32508-5303

IN REPLY REFER TO:
5090
Code 911.4
Ser 1616
FEB 2 2 1994

BRAC DATA CALL 33
ENVIRONMENTAL
QUESTION 50

Mr. Ed K. Middleswart, P.E.
Program Administrator
Air Resources Management
Florida Dept. of Environmental Regulation
Northwest District Office
160 Governmental Center
Pensacola, FL 32501

Re: ANNUAL OPERATION REPORTS FOR 1993

Dear Mr. Middleswart:

In accordance with specific condition 18 of A017-170946, A017-170948, and A017-170949, the 1993 annual operation reports for air emission sources owned by the Navy Public Works Center are enclosed.

Point of contact is Greg Campbell at 452-8587 or 452-4728.

Sincerely,

Kelly McCarthy

KELLY McCARTHY
LT, CEC, USN
By direction of
the Commanding Officer

Enclosure:
(1) Annual Operation Reports

ATTACHMENT B

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form	17-210.900(4)
Form Title	Annual Operating Report
Effective Date	February 9, 1993
DEP Application No.	(Filled in by DEP)

DIVISION OF AIR RESOURCES MANAGEMENT

ANNUAL OPERATING REPORT FOR AIR POLLUTANT EMITTING FACILITY

See Instructions for Form 17-210.900(4)
(Note: Shaded fields on form are for DEP use; please leave blank)

REPORT INFORMATION

1. Year of Report	2. Date Report Received	3. Number of Sources in Report
93		12

FACILITY INFORMATION (AIR020)

1. Facility APIS ID	2. Facility Status	3. Date of Permanent Facility Shutdown
10PEN170082	A	N/A

4. Facility Owner/Company Name
NAVY PUBLIC WORKS CENTER

5. Facility Name/Street Address or Location Description
NAVAL AIR STATION, 310 JOHN TOWER RD.

6. Facility City	County
PENSACOLA	17

7. Facility Compliance Tracking Codes	CDS	VOC
	1	0

8. Facility Comment (60 Characters)

FACILITY HISTORY INFORMATION (AIR022)

1. Change in Facility Name During Year?	Previous Name	1. Date of Change
No	N/A	N

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	
APIS ID	10	PEN	17	0082	INPUT

OWNER/CONTACT INFORMATION (AIR021)

1. Individual Owner or Authorized Representative
Name
T.B. WILLIS

Organization/Firm
HEAD,UTILITIES DEPT. U.S. NAVY PWC

Street Address or P.O. Box
310 JOHN TOWER RD.

City	State	Zip
PENSACOLA	FL	32508-5303

Telephone
(904) 452-3550

2. Facility Contact for Air Regulatory Matters
Name
GREG CAMPBELL ENVIRONMENTAL DIVISION

Organization/Firm
NAVY PUBLIC WORKS CENTER

Street Address or P.O. Box
310 JOHN TOWER RD

City	State	Zip
PENSACOLA	FL	32508-5303

Telephone
(904) 452-8587

CERTIFICATION

Statement by Owner or Authorized Representative

I hereby certify that the information given in this report is correct to the best of my knowledge.

Signature

Date 3-14-94

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	03	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 1 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #123 (BLDG.1857)		
2. DEP Permit or PPS Number	**3. Source APIS ID**	**4. Source Status**
AO17170950	10PEN17008203	A
5. Source Startup Date (MM/DD/YY)	**6. Source Shutdown Date (DD/MM/YY)**	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
N/A. No control equipment.
2b. Description of Control Equipment 'b'
N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
Y		24	7	2192.5	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON
		69.7	29.8	0	0.50

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	03	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0.012260 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	0.001070 mmBtu/ft^3

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	03	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 1 OF 12)

SOURCE DESCRIPTION: BOILER #123 (BLDG.1857)

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.000033	3

4a. Emissions Calculation

0.012260 million ft³/yr x 5.3 lb VOC/million ft³ x $\frac{\text{ton}}{2000\text{ lb}}$ = 0.000033 ton/yr

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.0000037	3

4b. Emissions Calculation

0.012260 million ft³/yr x 0.6lb SOx/million ft x $\frac{\text{ton}}{2000\text{ lb}}$ = 0.0000037 ton/yr

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.000019	3

4c. Emissions Calculation

0.012260 million ft³/yr x 3.0 lb pm/million ft³ x $\frac{\text{ton}}{2000\text{ lb}}$ = 0.000019 ton/yr

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES	0.00062	3

4d. Emissions Calculation

0.012260 million ft³/yr x 100 lb NOx/million ft³ x $\frac{\text{ton}}{2000\text{ lb}}$ = 0.00062 ton/yr

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	03	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.00013	3

4e. Emissions Calculation

$$0.012260 \text{ million ft}^3/\text{yr} \times 20 \text{ lb Co/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.00013 \text{ tons/yr}$$

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.000019	3

4f. Emissions Calculation

$$0.012260 \text{ million ft}^3/\text{yr} \times 3 \text{ lb PM10/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.000019 \text{ ton/yr}$$

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	04	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 2 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #124 (BLDG.1857)		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17170950	10PEN17008204	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type	SINGLE POINT
2a. Description of Control Equipment 'a'	N/A. No control equipment.
2b. Description of Control Equipment 'b'	N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		24	7	2192.5

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	69.7	29.8	0	0.5

Shaded areas are for DEP use.

Date: 2/11/94

APIS ID	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	INPUT
	10	PEN	17	0082	04	

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel
10300501	EXTCOMB BOILER COMMERCL-INSTUTNL DISTILLATE OIL NO 1 AND NO 2 OIL

3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 1000 GALLONS BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel
10200602	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10-100MMBTU/HR

3b. Annual Process or Fuel Usage Rate (SCC Units)		
0.012260 MILLION CUBIC FEET BURNED		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	0/001070 mmBtu/ft^3

1c. SCC 'c'	2c. Description of Process or Type of Fuel

3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel

3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	04	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 2 OF 12)

SOURCE DESCRIPTION: BOILER #124 (BLDG.1857)

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.000019	3

4a. Emissions Calculation

$$0.012260 \text{ million ft}^3/\text{yr} \times 3 \text{ lbpm/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.000019 \text{ ton/yr}$$

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.0000037	3

4b. Emissions Calculation

$$0.012260 \text{ million ft}^3/\text{yr} \times 0.6 \text{ lb SOx/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.0000037 \text{ ton/yr}$$

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
NITROGEN OXIDES	0.00062	3

4c. Emissions Calculation

$$0.012260 \text{ million ft}^3/\text{yr} \times 100 \text{ lb NOx/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.00062 \text{ ton/yr}$$

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.000033	3

4d. Emissions Calculation

$$0.012260 \text{ million ft}^3/\text{yr} \times 5.3 \text{ lb VOC/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.000033 \text{ ton/yr}$$

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	04	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.00013	3

4e. Emissions Calculation

0.012260 million ft^3/yr x 20 lb CO/million ft^3 x $\frac{ton}{2000\ lb}$ = 0.00013 ton/yr

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.000019 ton/yr	3

4f. Emissions Calculation

0.012260 million ft^3/yr x 3.0 lb PM10/million ft^3 x $\frac{ton}{2000\ lb}$ = 0.000019 ton/yr

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
LEAD AND LEAD COMPOUNDS	0	3

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

APIS ID	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	INPUT
	10	PEN	17	0082	06	

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 3 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #1 (BLDG. #782)		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17170946	10PEN17008206	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a' N/A. No control equipment.
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
Y		24	7	4567	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON
		27.4	24.8	23.9	23.9

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	06	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel
10200501	EXTCOMB BOILER INDUSTRIAL DISTILLATE OIL NO 1 AND NO 2 OIL

3a. Annual Process or Fuel Usage Rate (SCC Units)
0 1000 GALLONS BURNED

4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel
10200601	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 100MMBTU/HR

3b. Annual Process or Fuel Usage Rate (SCC Units)
0.3098 MILLION CUBIC FEET BURNED

4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	0.001070 mmBtu/ft^3

1c. SCC 'c'	2c. Description of Process or Type of Fuel

3c. Annual Process or Fuel Usage Rate (SCC Units)

4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel

3d. Annual Process or Fuel Usage Rate (SCC Units)

4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	06	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 3 OF 12)
SOURCE DESCRIPTION: BOILER #1 (BLDG. #782)

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.00047	3

4a. Emissions Calculation

$$0.3098 \text{ million ft}^3/\text{yr} \times 3.0 \text{ lbpm/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.00047 \text{ ton/yr}$$

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.000093	3

4b. Emissions Calculation

$$0.3098 \text{ million ft}^3/\text{yr} \times 0.6 \text{ lb SOx/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.000093 \text{ ton/yr}$$

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
NITROGEN OXIDES	0.0852	3

4c. Emissions Calculation

$$0.3098 \text{ million ft}^3/\text{yr} \times 550 \text{ lb NOx/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.0852 \text{ ton/yr}$$

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.00022	3

4d. Emissions Calculation

$$0.3098 \text{ million ft}^3/\text{yr} \times 1.4 \text{ lb VOC/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.00022$$

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	08	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.0062	3

4e. Emissions Calculation

0.3098 million ft^3/yr x 40 lb CO/million ft^3 x $\frac{\text{ton}}{2000 \text{ lb}}$ = 0.0062 ton/yr

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.00047	3

4f. Emissions Calculation

0.3098 million ft^3/yr x 3 lb PM10/million ft^3 x $\frac{\text{ton}}{2000 \text{ lb}}$ = 0.00047 ton/yr

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
LEAD AND LEAD COMPOUNDS	0	3

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	07	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 4 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER - #2 (BLDG. 782)		
2. DEP Permit or PPS Number	**3. Source.APIS ID**	**4. Source Status**
AO17170949	10PEN17008207	A
5. Source Startup Date (MM/DD/YY)	**6. Source Shutdown Date (DD/MM/YY)**	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type SINGLE POINT
2a. Description of Control Equipment 'a' N/A. No control equipment.
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
Y		24	7	4567	
4. Percent Hours of Operation by Season		**DJF**	**MAM**	**JJA**	**SON**
		27.4	24.8	23.9	23.9

Shaded areas are for DEP use.

Date: 2/11/94

APIS ID	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	INPUT
	10	PEN	17	0082	07	

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel
10200501	EXTCOMB BOILER INDUSTRIAL DISTILLATE OIL NO 1 AND NO 2 OIL

3a. Annual Process or Fuel Usage Rate (SCC Units)
0 1000 GALLONS BURNED

4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel
10200601	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 100MMBTU/HR

3b. Annual Process or Fuel Usage Rate (SCC Units)
0.2244 MILLION CUBIC FEET BURNED

4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	0.001070 mmBtu/ft^3

1c. SCC 'c'	2c. Description of Process or Type of Fuel

3c. Annual Process or Fuel Usage Rate (SCC Units)

4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel

3d. Annual Process or Fuel Usage Rate (SCC Units)

4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	07	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 4 OF 12)

SOURCE DESCRIPTION: BOILER - #2 (BLDG. 782)

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.00034	3

4a. Emissions Calculation

0.2244 million ft^3/yr x 3 lb pm/million ft^3 x $\frac{ton}{2000}$ lb/= 0.00034 ton/yr

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.000068	3

4b. Emissions Calculation

0.2244 million ft^3/yr x 0.6 lb 50x/million ft^3 x $\frac{ton}{2000}$ lb = 0.000068 ton/yr

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
NITROGEN OXIDES	0.062	3

4c. Emissions Calculation

0.2244 million ft^3/yr x 550 lb NOx/million ft^3 x $\frac{ton}{2000}$ lb = 0.062 ton/yr

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.00016	3

4d. Emissions Calculation

0.2244 million ft^3/yr x 1.4 lb VOC/million ft^3 x $\frac{ton}{2000}$ lb = 0.00016 ton/yr

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	07	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.0045	3

4e. Emissions Calculation

$$0.2244 \text{ million ft}^3/\text{yr} \times 40 \text{ lb CO/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.0045 \text{ ton/yr}$$

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.00034	3

4f. Emissions Calculation

$$0.2244 \text{ million ft}^3/\text{yr} \times 3.0 \text{ pm10/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.00034 \text{ ton/yr}$$

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
LEAD AND LEAD COMPOUNDS	0	3

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	08	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 5 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #3 (BLDG. 782)		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17170948	10PEN17008208	Shut down in 1988 I
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
N/A
2a. Description of Control Equipment 'a'
N/A
2b. Description of Control Equipment 'b'
N/A

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

APIS ID	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	INPUT
	10	PEN	17	0082	08	

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel
10300504	EXTCOMB BOILER COMMERCL-INSTUTNL DISTILLATE OIL NO 4 OIL

3a. Annual Process or Fuel Usage Rate (SCC Units)
0 1000 GALLONS BURNED

4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel
10200601	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 100MMBTU/HR

3b. Annual Process or Fuel Usage Rate (SCC Units)
0 MILLION CUBIC FEET BURNED

4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1c. SCC 'c'	2c. Description of Process or Type of Fuel

3c. Annual Process or Fuel Usage Rate (SCC Units)

4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel

3d. Annual Process or Fuel Usage Rate (SCC Units)

4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	08	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 5 OF 12)

SOURCE DESCRIPTION: ~~BOILER/A/A/5.5/MMBTU/HR/HEAT/INPUT~~ Boiler #3, 782

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	08	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

9. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	09	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 6 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER # 4, 51.5 MMBTU/HR HEAT INPUT		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AC17235612	10PEN17008209	C
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
Scheduled start up - 3/31/94	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
NONE
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
N					
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	09	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10100602	EXTCOMB BOILER ~~ELECTRIC GENERATN~~ NATURAL GAS ~~100MMBTU/HR/EXTF~~ 10-100 MMBTU/hr	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	09	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 6 OF 12)

SOURCE DESCRIPTION: BOILER # 4, 51.5 MMBTU/HR HEAT INPUT

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
NITROGEN OXIDES		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	09	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	15	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 7 OF 12)
FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #1 - ~~KITTY HAWK DOCK~~ PIER		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17195657	10PEN17008215	~~X~~ A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
April 18, 1991	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type	SINGLE POINT
2a. Description of Control Equipment 'a'	N/A. No control equipment.
2b. Description of Control Equipment 'b'	N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		24	7	123

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	30.75	30.75	30.75	30.75

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	15	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10300602	EXTCOMB BOILER NATURAL GAS	COMMERCL-INSTUTNL 10-100MMBTU/HR

3a. Annual Process or Fuel Usage Rate (SCC Units)		
0.7103 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	0.001070 mmBTU/hr

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	16	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 7 OF 12)

SOURCE DESCRIPTION: BOILER #1 - KITTY HAWK DOCK PIER

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.0011	3

4a. Emissions Calculation

0.7103 million ft³/yr x 3 lb pm10/million ft³ x $\frac{\text{ton}}{2000}$ lb = 0.0011 ton/yr

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.00099	3

4b. Emissions Calculation

0.7103 million ft³/yr x 2.8 lb VOC/million ft³ x $\frac{\text{ton}}{2000}$ lb = 0.00099 ton/yr

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
SULFUR DIOXIDE	0.00022	3

4c. Emissions Calculation

0.7103 million ft³/yr x 0.6 lb SOx/million ft³ x $\frac{\text{ton}}{2000}$ lb = 0.00022 ton/yr

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0011	3

4d. Emissions Calculation

0.7103 million ft³/yr x 3 lb pm/million ft³ x $\frac{\text{ton}}{2000}$ lb = 0.0011 ton/yr

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	15	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
NITROGEN OXIDES	0.05	3

4e. Emissions Calculation

0.7103 million ft³/yr x 140 lb NOx/million ft³ x $\frac{\text{ton}}{2000 \text{ lb}}$ = 0.05 ton/yr

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
CARBON MONOXIDE	0.013	3

4f. Emissions Calculation

0.7103 million ft³/yr x 35 lb CO/million ft[x $\frac{\text{ton}}{2000 \text{ lb}}$ = 0.0133 ton/yr

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	16	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 8 OF 12)
FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #2 - KITTY HAWK DOCK PIER		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17195657	10PEN17008216	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type	SINGLE POINT
2a. Description of Control Equipment 'a'	N/A. No control equipment.
2b. Description of Control Equipment 'b'	N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		24	7	123

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	30.75	30.75	30.75	30.75

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	18	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10300602	EXTCOMB BOILER NATURAL GAS	COMMERCL-INSTUTNL 10-100MMBTU/HR
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0.7094	MILLION CUBIC FEET BURNED	

4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	0.001070 mmBTU/ft^3

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		

4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		

4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		

4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	16	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 8 OF 12)

SOURCE DESCRIPTION: BOILER #2 - KITTY HAWK DOCK PIER

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.0011	3

4a. Emissions Calculation

0.7094 million ft^3/yr x 3 lb pm10/million ft^3 x $\frac{ton}{2000}$ lb = 0.0011 ton/yr

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.00099	3

4b. Emissions Calculation

0.7094 million ft^3/yr x 2.8 lb VOC/million ft^3 x $\frac{ton}{2000}$ lb = 0.00099 ton/yr

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
SULFUR DIOXIDE	0.00022	3

4c. Emissions Calculation

0.7094 million ft^3/yr x 0.6 lb SOx/million ft^3 x $\frac{ton}{2000}$ lb = 0.00022 ton/yr

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0011	3

4d. Emissions Calculation

0.7094 million ft^3/yr x 3 lb pm/million ft^3 x $\frac{ton}{2000}$ lb = 0.0011 ton/yr

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	16	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
NITROGEN OXIDES	0.05	3

4e. Emissions Calculation

$$0.7094 \text{ million ft}^3/\text{yr} \times 140 \text{ lb NOx/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.05 \text{ ton/yr}$$

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
CARBON MONOXIDE	0.013	3

4f. Emissions Calculation

$$0.7094 \text{ million ft}^3/\text{yr} \times 35 \text{ lb CO/million ft}^3 \times \frac{\text{ton}}{2000 \text{ lb}} = 0.013 \text{ ton/yr}$$

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 9 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description BOILER #1 BUILDING 3241		
2. DEP Permit or PPS Number N/A	3. Source APIS ID 10PEN17008212	4. Source Status PERMIT TRANSFERRED TO NADEP ON 6/92. I
5. Source Startup Date (MM/DD/YY) N/A	6. Source Shutdown Date (DD/MM/YY) N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type SINGLE POINT
2a. Description of Control Equipment 'a' N/A
2b. Description of Control Equipment 'b' N/A

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 9 OF 12)

SOURCE DESCRIPTION: BOILER #1 BUILDING 3241

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 10 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description BOILER #2 -BUILDING 3241		
2. DEP Permit or PPS Number	3. Source APIS ID 10PEN17008213	4. Source Status Permit transferred to NADEP on June 92
5. Source Startup Date (MM/DD/YY) N/A	6. Source Shutdown Date (DD/MM/YY) N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type SINGLE POINT
2a. Description of Control Equipment 'a' N/A
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 10 OF 12)

SOURCE DESCRIPTION: BOILER #2 -BUILDING 3241

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 11 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #3 -BUILDING 3241		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status Permit transferred to NADEP on June 92
	10PEN17008214	
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a' N/A.
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 11 OF 12)

SOURCE DESCRIPTION: BOILER #3 -BUILDING 3241

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 12 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description 4 BOILERS(#73,74,75,91)BLDG.#458 (REMOVED)		
2. DEP Permit or PPS Number	3. Source APIS ID 10PEN17008201	4. Source Status Permanently Shut down in 1979.
5. Source Startup Date (MM/DD/YY) N/A	6. Source Shutdown Date (DD/MM/YY) Permanently - 1979	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type N/A
2a. Description of Control Equipment 'a' N/A
2b. Description of Control Equipment 'b' N/A

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200602	EXTCOMB BOILER NATURAL GAS	INDUSTRIAL 10-100MMBTU/HR
3a. Annual Process or Fuel Usage Rate (SCC Units)		
N/A	MILLION CUBIC FEET BURNED	
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 12 OF 12)

SOURCE DESCRIPTION: 4 BOILERS(#73,74,75,91)BLDG.#458

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	16	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
NITROGEN OXIDES	0.05	3

4e. Emissions Calculation

0.7094 million ft³/yr x 140 lb NOx/million ft³ x $\frac{\text{ton}}{2000 \text{ lb}}$ = 0.05 ton/yr

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
CARBON MONOXIDE	0.013	3

4f. Emissions Calculation

0.7094 million ft³/yr x 35 lb CO/million ft³ x $\frac{\text{ton}}{2000 \text{ lb}}$ = 0.013 ton/yr

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 9 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #1 BUILDING 3241		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status PERMIT TRANSFERRED TO NADEP ON 6/92.
N/A	10PEN17008212	I
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
N/A	N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
N/A
2b. Description of Control Equipment 'b'
N/A

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 9 OF 12)

SOURCE DESCRIPTION: BOILER #1 BUILDING 3241

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	12	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 10 OF 12)
FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #2 -BUILDING 3241		
2. DEP Permit or PPS Number	3. Source APIS ID 10PEN17008213	4. Source Status Permit transferred to NADEP on June 92
5. Source Startup Data (MM/DD/YY) N/A	6. Source Shutdown Date (DD/MM/YY) N/A	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a' N/A
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 10 OF 12)

SOURCE DESCRIPTION: BOILER #2 -BUILDING 3241

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		

4a. Emissions Calculation

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		

4b. Emissions Calculation

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	13	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		

4e. Emissions Calculation

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		

4f. Emissions Calculation

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 11 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description BOILER #3 -BUILDING 3241		
2. DEP Permit or PPS Number	3. Source APIS ID 10PEN17008214	4. Source Status Permit transferred to NADEP on June 92
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type SINGLE POINT
2a. Description of Control Equipment 'a' N/A.
2b. Description of Control Equipment 'b' N/A.

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200603	EXTCOMB BOILER INDUSTRIAL NATURAL GAS 10MMBTU/HR	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
0 MILLION CUBIC FEET BURNED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 11 OF 12)

SOURCE DESCRIPTION: BOILER #3 -BUILDING 3241

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	14	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS		
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 12 OF 12)

FACILITY NAME: NAVY PUBLIC WORKS CENTER

SOURCE INFORMATION (AIR030)

1. Source Description		
4 BOILERS(#73,74,75,91)BLDG.#458 (REMOVED)		
2. DEP Permit or PPS Number	3. Source APIS ID 10PEN17008201	4. Source Status Permanently Shut down in 1979.
5. Source Startup Date (MM/DD/YY) N/A	6. Source Shutdown Date (DD/MM/YY) Permanently - 1979	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
N/A
2a. Description of Control Equipment 'a' N/A
2b. Description of Control Equipment 'b' N/A

SOURCE OPERATING SCHEDULE INFORMATION (AIR050) N/A

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10200602	EXTCOMB BOILER NATURAL GAS	INDUSTRIAL 10-100MMBTU/HR

3a. Annual Process or Fuel Usage Rate (SCC Units)	
N/A	MILLION CUBIC FEET BURNED

4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)
N/A	N/A	N/A

1b. SCC 'b'	2b. Description of Process or Type of Fuel

3b. Annual Process or Fuel Usage Rate (SCC Units)

4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel

3c. Annual Process or Fuel Usage Rate (SCC Units)

4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel

3d. Annual Process or Fuel Usage Rate (SCC Units)

4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 12 OF 12)

SOURCE DESCRIPTION: 4 BOILERS(#73,74,75,91)BLDG.#458

SOURCE EMISSIONS INFORMATION (AIR051) N/A

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE		
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES		
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 2/11/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0082	01	INPUT

SOURCE EMISSIONS INFORMATION (Continued) N/A

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		
4e. Emissions Calculation		

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
4f. Emissions Calculation		

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
4g. Emissions Calculation		

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
4h. Emissions Calculation		

9. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 2/11/94

DEPARTMENT OF THE NAVY
NAVAL AVIATION DEPOT
222 EAST AVENUE
BUILDING 52
PENSACOLA FL 32508-5108

IN REPLY REFER TO:
60001/RHN/005
18 March 1994

BRAC DATA CALL 33 ENVIRONMENTAL } QUESTION 50

Mr. E. K. Middleswart, P.E.
Program Administrator
Air Resources Management
Florida Department of Environmental Protection
Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Subj: **1993 ANNUAL OPERATING REPORTS FOR APIS ID 10PEN170084**

Dear Mr. Middleswart:

Enclosed please find the Annual Operation Reports, (DER Form 17-210.900(4), for Facility APIS ID 10PEN170084, Naval Aviation Depot, Pensacola. The delay in the submittal of this report is due to workload and base closure requirements. Personnel at your office have been keep abreast of the situation.

Questions regarding the reports should be directed to Ms. Rhonda Norrie at (904) 452-2320.

Respectfully,

E. P. Johnson

E. P. JOHNSON
LCDR, USN
By direction of the
Commanding Officer

Enclosure (1)

ATTACHMENT C

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form	17-210.900(4)
Form Title	Annual Operating Report
Effective Date	February 9, 1993
DEP Application No.	
	(Filled in by DEP)

DIVISION OF AIR RESOURCES MANAGEMENT

ANNUAL OPERATING REPORT FOR AIR POLLUTANT EMITTING FACILITY

See Instructions for Form 17-210.900(4)
(Note: Shaded fields on form are for DEP use; please leave blank)

REPORT INFORMATION

1. Year of Report	2. Date Report Received	3. Number of Sources in Report
93		25

FACILITY INFORMATION (AIR020)

1. Facility APIS ID	2. Facility Status	3. Date of Permanent Facility Shutdown
10PEN170084	A	---

4. Facility Owner/Company Name
U. S. NAVY

5. Facility Name/Street Address or Location Description
NAVAL AVIATION DEPOT, 222 EAST AVENUE

6. Facility City	County
PENSACOLA	17

7. Facility Compliance Tracking Codes	CDS	VOC
	1	1

8. Facility Comment (50 Characters)

FACILITY HISTORY INFORMATION (AIR022)

1. Change in Facility Name During Year?	Previous Name	1. Date of Change
NO	---	---

Shaded areas are for DEP use.

Date: 3/94

Enclosure (1)

	DISTRICT	OFFICE	COUNTY	FACILITY	
APIS ID	10	PEN	17	0084	INPUT

OWNER/CONTACT INFORMATION (AIR021)

1. Individual Owner or Authorized Representative
Name : SPENCER E. ROBBINS II, CAPTAIN, USN

Organization/Firm
U.S. NAVY (NAVAL AVIATION DEPOT)

Street Address or P.O. Box
222 EAST AVENUE

City	State	Zip
PENSACOLA	FL	32508-5108

Telephone
(904) 452-3325

2. Facility Contact for Air Regulatory Matters
Name: ERIC P. JOHNSON, LCDR, USN

Organization/Firm
NAVAL AVIATION DEPOT (CODE 60001)

Street Address or P.O. Box
222 EAST AVENUE

City	State	Zip
PENSACOLA	FL	32508-5108

Telephone
(904) 452-2320

CERTIFICATION

Statement by Owner or Authorized Representative

I hereby certify that the information given in this report is correct to the best of my knowledge.

Signature SPENCER E. ROBBINS II
CAPTAIN, USN

Date 3/18/94

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	01	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 1 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BLAST ROOM - BLDG. 606 0		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17176281	10PEN17008401	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
DRY TYPE FILTER PAD (POLYETHYLENE)
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		16	5	4105

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	24	26	26	24

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	01	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 1 OF 25)

SOURCE DESCRIPTION: PAINT SHOP BLDG. 604 & BLAST ROOM BLDG. 606

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		

4a. Emissions Calculation

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0375	2

4b. Emissions Calculation

15,000# X (1-0.995) = 75# = 0.0375 TON/YR

PM PURCHASED FILTER EFFICIENCY

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

DEPARTMENT OF TRANSPORTATION 527 COPIER

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	02	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 2 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
PAINT SHOP BLDG. 604 C		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17176299	10PEN17008402	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment a
DRY TYPE POLYETHYLENE FILTER MEDIA
2b. Description of Control Equipment b

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
YES		8	5	2,080

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25%	25%	25%	25%

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	02	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 2 OF 25)

SOURCE DESCRIPTION: ~~FIBERGLASS SHOP, BLDG. 627~~ PAINT SHOP BLDG. 604

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	9.36	2

4a. Emissions Calculation

GALLONS PAINT (% VOC BY VOLUME) (S.G.) (8.34#/GAL) (1 TON/2000#)

SEE PAGE 5

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
PARTICULATE MATTER - TOTAL 0.0163	0.0163	2

4b. Emissions Calculation

(GALLONS PAINT - VOLUME VOC'S) (S.G.) (8.34 #/GAL) (FILTER EFFICIENCY) (1 TON 2000#)

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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QUANTITY	SIZE (GAL)	TTL VOL	% VOC	VOL VOC	S. G.	VOC WT	VOL SOLIDS	SOLID WT
6	1	6	0.66	3.96	1.1	36.32904	2.04	18.71496
111	2	222	0.925	205.35	1.084	1856.478	16.65	150.5253
2	1	2	0.53	1.06	0.92	8.133168	0.94	7.212432
36	5	180	1	180	0.8488	1274.218	0	0
2	0.25	0.5	0.8	0.4	0.88	2.93568	0.1	0.73392
6	5	30	1	30	0.89	222.678	0	0
2	2	4	0.93	3.72	0.93	28.85306	0.28	2.171736
18	1	18	0.65	11.7	0.9	87.8202	6.3	47.2878
2	1	2	0.78	1.56	0.91	11.83946	0.44	3.339336
16	5	80	1	80	0.806	537.7632	0	0
6	55	330	1	330	0.77	2119.194	0	0
137	5	685	1	685	0.92	5255.868	0	0
4	0.25	1	0.37	0.37	1.17	3.610386	0.63	6.147414
9	55	495	1	495	1.3	5366.79	0	0
12	0.25	3	0.7	2.1	0.9	15.7626	0.9	6.7554
12	0.5	6	0.76	4.56	0.9	34.22736	1.44	10.80864
20	1	20	0.74	14.8	1.02	125.9006	5.2	44.23536
1	1	1	1	1	0.794	6.62196	0	0
3	1	3	0.51	1.53	1.21	15.43984	1.47	14.83435
36	0.125	4.5	0.8	3.6	1	30.024	0.9	7.506
12	0.125	1.5	0.86	1.29	0.986	10.60797	0.21	1.726880
23	1	23	0.69	15.87	1.1	145.5913	7.13	65.41062
4	5	20	1	20	0.78	130.104	0	0
156	0.125	19.5	0.84	16.38	0.904	123.4947	3.12	23.52280
7	1	7	0.67	4.69	1.2	46.93752	2.31	23.11848
7	1	7	0.72	5.04	1	42.0336	1.96	16.3464
24	0.125	3	0.9	2.7	1.101	24.79231	0.3	2.754702
24	0.125	3	0.83	2.49	1.04	21.59726	0.51	4.423536
10	2	20	0.7	14	1.2	140.112	6	60.048
22	2	44	0.7	30.8	1.1	282.5592	13.2	121.0968
7	0.5	3.5	0.7	2.45	1.1	22.4763	1.05	9.6327
18	0.5	9	0.55	4.95	1.2	49.5396	4.05	40.5324
23	1.25	28.75	0.63	18.1125	1.4	211.4815	10.6375	124.2034
2	2	4	0.6	2.4	1.2	24.0192	1.6	16.0128
1	2	2	0.52	1.04	1.2	10.40832	0.96	9.60768
6	2	12	0.65	7.8	1.1	71.5572	4.2	38.5308
8	2	16	0.65	10.4	1.1	95.4096	5.6	51.3744
8	1	8	1	8	0.837	55.84464	0	0
16	2	32	0.49	15.68	1.1	143.8483	16.32	149.7196
2	2	4	0.671	2.684	0.94	21.04148	1.316	10.31691
		2360.25				18713.94		1088.651

9.356972 TONS/YR

FILTER EFF = 97%

PARTICULATE

32.65955

0.016329

APIS ID 10 PEN 17008402
Paint Shop BLDG 604
DEP Permit AO17176299
Page 5 Emissions Calculations For Annual Operating Report

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	03	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT --- OF ---)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
FIBERGLASS SHOP, BLDG. 627 NO SOURCE 3		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
	10PEN17008403	I
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
2a. Description of Control Equipment a
2b. Description of Control Equipment b

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	03	INPUT

NO SOURCE 3

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT ___/___ OF ___/___)

SOURCE DESCRIPTION: ~~PAINT BOOTH~~

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
4a. Emissions Calculation		

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
4b. Emissions Calculation		

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
4c. Emissions Calculation		

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
4d. Emissions Calculation		

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	05	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 3 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
PAINT HANGER, BLDG. 3588		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17176298	10PEN17008405	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
DRY TYPE POLYETHYLENE FILTER FABRIC
2b. Description of Control Equipment 'b'
DRY TYPE FILTER MEDIA

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
YES		8	5	2080	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON
		25	25	25	25

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	05	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 3 OF 25)

SOURCE DESCRIPTION: PLATING SHOP & SYSTEMS / SCRUBBER EA & CN TREATMENT/BLDG. 604
PAINT HANGAR, BLDG. 3588

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.105	2

4a. Emissions Calculation

GALLONS (PAINT & SEALANT) (%SOLIDS) (S.G.) (8.34#/GAL) (FILTER EFFICIENTLY) (TON/2000#)

SEE ATTACHED SPREADSHEET

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	15.018	2

4b. Emissions Calculation

GALLONS (MATERIAL) (% VOC) (S.G.) (8.34) (1 TON/2000#)

SEE ATTACHED SPREADSHEET

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

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APIS ID 10PEN170084 SOURCE 05
ANNUAL OPERATION REPORT 1993
PERMIT NUMBER AO17176298
PAINT HANGAR BUILDING 3588

MATERIAL	SIZE GALLON	QUANTITY	VOLUME	% VOLATILE	% SOLIDS	S.G.	WT SOLIDS	WT OF VOC'S
COMPOUN(	1	4	4	0.512	0.488	1.21	19.70	20.67
ENAMEL	1	5	5	0.52	0.48	1.4	28.02	30.36
EPOXY	1	81	81	0.446	0.554	1.52	568.86	457.96
EPOXY A	1	156	156	0.84	0.16	0.8	166.53	874.30
EPOXY B	1	156	156	0.607	0.393	1.23	628.91	971.37
LACQUER	0.125	360	45	0.71	0.29	1.2	130.60	319.76
LACQUER	0.125	48	6	0.86	0.14	0.986	6.91	42.43
LACQUER	1	48	48	0.72	0.28	1	112.09	288.23
LACQUER	0.25	6	1.5	0.76	0.24	0.9	2.70	8.56
LACQUER	1	216	216	0.71	0.29	1.2	626.90	1534.83
LACQUER	1	8	8	0.77	0.23	1	15.35	51.37
LACQUER	0.125	4	0.5	0.76	0.24	0.9	0.90	2.85
LACQUER	1	92	92	0.71	0.29	1.2	267.01	653.72
LACQUER	0.25	6	1.5	0.74	0.26	1	3.25	9.26
PAINT	0.125	192	24	0.84	0.16	0.923	29.56	155.19
PAINT	1.25	10	12.5	0.6	0.4	0.96	40.03	60.05
POLY	2	22	44	0.57	0.43	1.26	198.82	263.55
POLY	2	56	112	0.5	0.5	1.34	625.83	625.83
POLY	0.5	12	6	0.641	0.359	1.11	19.94	35.60
POLY	2	30	60	0.462	0.538	1.2	323.06	277.42
POLY	0.25	12	3	0.368	0.632	1.15	18.18	10.59
POLY	2	36	72	0.77	0.23	0.9	124.30	416.13
POLY	1	37	37	0.635	0.365	1	112.63	195.95
POLY	2	35	70	0.588	0.412	1.26	303.06	432.53
POLY	0.5	6	3	0.65	0.35	0.9	7.88	14.64
POLY	2	18	36	0.683	0.317	1.07	101.84	219.42
POLY	0.25	72	18	0.657	0.343	1.038	53.45	102.38
POLY	1	6	6	0.582	0.418	1.21	25.31	35.24
POLY	0.25	39	9.75	0.65	0.35	0.9	25.61	47.57
POLY	2	3	6	0.582	0.418	1.21	25.31	35.24
POLY	2	2	4	0.635	0.365	1	12.18	21.18
POLY	0.25	8	2	0.582	0.418	1.21	8.44	11.75
POLY	0.5	26	13	0.342	0.658	1.23	87.75	45.61
POLY	2	10	20	0.582	0.418	1.21	84.36	117.46
POLY	2	20	40	0.65	0.35	0.9	105.08	195.16
POLY	2	12	24	0.579	0.421	1.21	101.96	140.23
POLY	2	30	60	0.588	0.412	1.27	261.83	373.68
POLY	0.5	156	78	0.588	0.412	1.26	337.70	481.96
POLY	0.5	12	6	0.65	0.35	0.9	15.76	29.27
POLY	0.5	88	44	0.666	0.334	1.059	129.80	258.81
POLY	2	14	28	0.342	0.658	1.23	189.00	98.23
POLY	0.5	16	8	0.57	0.43	1.26	36.15	47.92
PRIMER	1	35	35	0.673	0.327	1.06	101.18	208.24
PRIMER	2	56	112	0.613	0.387	1.28	462.71	732.92
PRIMER	1	28	28	0.706	0.294	1.06	72.77	174.76
SEALER	1	4	4	0.35	0.65	1.25	27.11	14.59
SEALER	0.25	53	13.25	0.52	0.48	1.3	68.96	74.70
SEALER	0.25	30	7.5	0.37	0.63	1.17	46.11	27.08
URETHANE	1	38	38	0.52	0.48	1.4	212.97	230.72
							6974.36	11477.24
				FILTER EFFICIENCY 97%			209.23	particulate
ALCOHOL	5	15	75	1		0.79		494.15
MEK	5	4	20	1		0.806		134.44
SOLVENT	5	27	135	1		0.8488		955.66
THINNER	55	29	1595	1		0.8488		11290.99
THINNER	5	18	90	1		0.891		668.78
THINNER	5	133	665	1		0.8488		4707.53
TOLUENE	5	8	40	1		0.92		306.91
								18558.46

VOC'S

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 4 OF 25)
FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
PLATING SHOP,6 SYSTEMS 1 SCRUBBER EA & CN TREATMENT/BLDG. 604		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17176300	10PEN17008406	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
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SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a
MESH PAD MIST ELIMINATOR
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		24	7	8760

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE		
APIS ID	10	PEN	17	0084	08		INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 4 OF 25)
SOURCE DESCRIPTION: PLATING SHOP,6 SYSTEMS 1 SCRUBBER EA & CN TREATMENT/BLDG. 604

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
LEAD AND LEAD COMPOUNDS	0.000437	5

4a. Emissions Calculation

0.000175#/HR X 4992 = 0.8736#/YR = 0.000437 TON/YR

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
CADMIUM COMPOUNDS 7440-43-9	0.002371	1

4b. Emissions Calculation

0.00095#/HR X 4992 = 4.742#/YR = 0.002371 TON/YR

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
CYANIDE COMPOUNDS (AS CN) 151-50-8	0.055736	1

4c. Emissions Calculation

0.022330#/HR X 4992 = 111.47136#/YR = 0.055736 TON/YR

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
CHROMIUM COMPOUNDS 7440-47-3	0.000242	1

4d. Emissions Calculation

TOTAL $\frac{\text{AMP.HOURS}}{\text{YR}}$ X EMISSION FACTOR.

SEE p.5

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS		

4e. Emissions Calculation

NO VOC'S FROM THIS SOURCE

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
SULFUR DIOXIDE		

4f. Emissions Calculation

NO SO_2 FROM THIS SOURCE

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
PARTICULATE MATTER - TOTAL		

4g. Emissions Calculation

NO PM FROM THIS SOURCE

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
NITROGEN OXIDES		

4h. Emissions Calculation

NO NOX FROM THIS SOURCE

5. Source Operation Report Comments

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE		

4e. Emissions Calculation

NO CARBON MONOXIDE FROM THIS SOURCE

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code

4f. Emissions Calculation

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

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DEPARTMENT OF ENVIRONMENTAL PROTECTION 5275 COPIER

AO17-176300 - SOURCE 6
1993 ANNUAL OPERATION REPORT

CHROME EMISSION CALCULATIONS:

1. ANODIZE (hard chrome) - - - TOTAL AMP HOURS - 466,839.3

- EMISSION RATE FROM 1991 TESTS - 0.058 $\frac{MG}{AMP.HR}$

- 466,839.3 $\frac{AMP.HOURS}{YR}$. $\frac{0.058\ Mg}{AMP.HR}$ = 27,076.7 Mg

- 27,076.7 Mg $\frac{1\ Kg}{1,000,000\ Mg}$ $\frac{2.2\#}{1\ Kg}$ = $\frac{0.059569\#}{YR}$ = 0.00003$\frac{T}{Y}$

2. OTHER CHROME - - - - - - - - TOTAL AMP HOURS - 1,977,216

- EMISSION RATE FROM 1991 TESTS:

$\frac{(0.094 + 0.101)}{2}$ = 0.0975 $\frac{Mg}{AMP.HR}$

$\frac{1977216 \times 0.0975}{1,000,000} \times \frac{2.2}{2000}$ = 0.000212 TPY

TOTAL - - - - - - - - 0.000212
0.00003

0.000242

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	07	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 5 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
AIRCRAFT CLEANING AND BLASTING FACILITY BLDG 3557		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17176285	10PEN17008407	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
FILTER BAGS IN BOTTOM OF DOWNDRAFT UNIT
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		24	7	8760

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

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Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	07	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 5 OF 25)
SOURCE DESCRIPTION: AIRCRAFT CLEANING AND BLASTING FACILITY BLDG 3557

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
P-XYLENE 106-42-3 XYLENES	0.001155	2

4a. Emissions Calculation

XYLENES -
MATERIAL (GALLONS) (% XYLENES) S.G. (8.34#/GAL) -2.309# (1 TON/2000#)=

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
M-XYLENE 108-38-3		

4b. Emissions Calculation

SEE 4a

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
O-XYLENE 95-47-6		

4c. Emissions Calculation

SEE 4a

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
TRICHLOROETHYLENE 79-01-6	-0-	2

4d. Emissions Calculation

-0- NO MATERIALS WHICH CONTAIN TRICHCO WERE PURCHASED.

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	07	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant e ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
TOLUENE 108-88-3	0.005196	2

4e. Emissions Calculation

GALLONS MATERIAL (% TOLUENE) (S.G.) (8.34#/GAL) = 10.39# (1 TON) / (2000#) =

1f. Pollutant f ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PHENOL 108-95-2	0.7845	2

4f. Emissions Calculation

MATERIAL PURCHASED - DISPOSED = USAGE

GALLONS MATERIAL (% PHENOL) (S.G.).(8.34#/GAL) = 1569 (1 TON) / (2000#)

1g. Pollutant g ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
METHYL ETHYL KETONE (2-BUTANONE) 78-93-3	0	2

4g. Emissions Calculation

MATERIAL PURCHASED - DISPOSED OF = USAGE

GALLONS MATERIAL (% MEK) (S.G.) (8.34#/GAL) = 0

1h. Pollutant h ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
ETHYLENE DICHLORIDE 107-06-2	-0-	

4h. Emissions Calculation

NO MATERIALS WHICH CONTAIN 1,2 DICHLOROETHANE WERE PURCHASED.

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	07	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant e ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CHLOROBENZENE 108-90-7	-0-	2

4e. Emissions Calculation

NO MATERIALS WHICH CONTAIN CHLOROBENZENE WERE PURCHASED.

1f. Pollutant f ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
METHYLENE CHLORIDE 75-09-2	15.30	2

4f. Emissions Calculation

MATERIAL PURCHASED - MATERIAL DISPOSED OF = USAGE

GALLONS MATERIAL (% DCM) (S.G.) (8.34#/GAL) = 30,602 $\frac{(1\ TON)}{(2000\#)}$ - 15.30

1g. Pollutant g ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	108.6	2

4g. Emissions Calculation

MATERIAL PURCHASED - MATERIAL DISPOSED OF = USAGE

GALLONS MATERIAL (% VOL) (S.G.) (8.34#/GAL) = 217,204 $\frac{(1\ TON)}{(2000\#)}$ = 108.6

1h. Pollutant h ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
PARTICULATE	0.0395	2

4h. Emissions Calculation

POUNDS PURCHASED (1 - FILTER EFFICIENCY) = EMISSIONS

=79#/YR (1 TON/2000#) = 0.0395

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	07	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant e ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
P-CRESOL 106-44-5 CRESOLS	0.2335	2

4e. Emissions Calculation

GALLONS MATERIAL PURCHASED (% CRESOLS) (S.G.) (3.34) = 467#

467# (1 TON/2000#) = 0.2335

1f. Pollutant f ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
M-CRESOL 108-39-4	-0-	

4f. Emissions Calculation

SEE 4e

1g. Pollutant g ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
O-CRESOL 95-48-7	-0-	

4g. Emissions Calculation

SEE 4e

1h. Pollutant h ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code
CHROMIUM COMPOUNDS 7440-47-3	-0-	2

4h. Emissions Calculation

NO EMISSIONS

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

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	VOLATILITY %	EMISSIONS POUNDS	COMPONENTS	PARTICULATE EMISSIONS POUNDS	VOC EMISSIONS POUNDS	MEK %	MEK POUNDS	GLYCOL ETHERS %	GLYCOL ETHERS POUNDS	DICHLOROMETHANE %	DICHLOROMETHANE POUNDS	PHENOL %	PHENOL POUNDS	METHANOL %	METHANOL POUNDS	ETHYLENE GLYCOL %	ETHYLENE GLYCOL POUNDS	CRESOL %	CRESOL POUNDS	XYLENES %	XYLENES POUNDS	TOLUENE %	TOLUENE POUNDS
12,375	0	2,625	79.97% FILTER EFFICIENCY	79																			
WASTE		0																					
	100	67			0	100	67																
	100	2,260			2,237	1	23																
	2	1,206			1,170			3	36														
	80	811			135					55	496	20	180										
	80	32,438			3,626					70	25,383			10	3,626								
	85	8,557			2,517											60	6,040						
	80	6,402			834					60	5,601	15	1,400					5	467				
	80	9,554			9,554																		
	84	87			78	7	8													2	2	9	10
	100	87			87																		
	80	790			790																		
	30	6,960			6,960																		
	92	189,592			189,592																		
		281,026		79	217,888		98		36		31,480		1,580		3,626		6,040		467		2		10
/EIGHT)																							
	100	146			0	100	146																
	45	854			(0)					40	759			5	95								
	3	33			0					2	22	1	11										
	1	76			0					1	76												
	31	221			221																		
	1	1			0	1	1																
	96	140			7	95	133																
	2	21			0					2	21												
	2	511			255											1	255						
		2,003			483		280				878		11		95		255						

	EMISSIONS POUNDS	COMPONENTS	PARTICULATE EMISSIONS POUNDS	VOC EMISSIONS POUNDS	MEK POUNDS	GLYCOL ETHERS POUNDS	DICHLOROMETHANE POUNDS	PHENOL POUNDS	METHANOL POUNDS	ETHYLENE GLYCOL POUNDS	CRESOL POUNDS	XYLENES POUNDS	TOLUENE POUNDS
	259,025		79	217,204	(183)	36	30,602	1,569	3,531	5,785	467	2	10

0084 07
ID BLASTING FACILITY BUILDING 3557

MATERIAL	SPECIFIC GRAVITY	VOLUME PURCHASED [illegible]
PLEXIGLASS BEADS		
METHYL ETHYL KETONE	0.0806	
THINNER	0.9488	
PC444	0	
PAINT REMOVER	1.14	95
NON - PHENOLIC STRIPPER	1.2	3,632
CEB A491	1.1	1,100
CARBON REMOVER	1.2	835
PAINT REMOVER	0.9	1,595
PAINT	0.923	15
ISOPROPYL ALCOHOL	0.78	15
CORROSION REMOVER	1.079	110
ALKALINE CLEANING COMPOUND	1.3	2,145
CB R681	1	24,789

PROFILE NUMBER		DISPOSED OF GALLONS
92 - 145	MEK W/ PAINT	120
90 - 001	STRIPPER	220
90 - 041	STRIPPER W/PLASTIC	715
90 - 058	CARBON REMOVER RINSE	1,045
91 - 098	CARBON REMOVER	115
91 - 130	RAGS W/ THINNER	55
92 - 145	MEK & 6096	120
92 - 157	RAGS W/ STRIPPER	880
92 - 193	CARBON REMOVER	3,080

APIS ID 10PEN

AIRCRAFT CLEANING

SOURCE 7

AOP '93

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 6 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #1		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175278	10PEN17008408	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
LOW SULFUR FUEL
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		12	7	4,380

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
~~10300501~~	~~EXTCOMB BOILER COMMERCL-INSTUTNL~~ ~~DISTILLATE OIL NO 1 AND NO 2 OIL~~ NATU L GAS	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
~~1000 GALLONS BURNED~~		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
10300602	EXTCOMB BOILER COMMERCL-INSTUTNL NATURAL GAS 10-100MMBTU/HR	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
MILLION CUBIC FEET BURNED		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)
---	---	1,012 mmBTU/MCF

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 6 OF 25)

SOURCE DESCRIPTION: BOILER #1

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL 5#/MCF	0.016813	3

4a. Emissions Calculation

$$93 \text{ USAGE (KCF)} \left(\frac{1\text{MCF}}{1000\text{ KCF}}\right)\left(\frac{\#\text{POLLUTANT}}{\text{MCF}}\right)\frac{1\text{ TON}}{2000\#}$$

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.002018	3

4b. Emissions Calculation

$$6.725\frac{\text{KCF}}{\text{YR}}\left(\frac{1\text{MCF}}{1000\text{KCF}}\right)\left(\frac{1\text{TON}}{2000\#}\right) = 0.003363\ \frac{\text{TON}}{\#}\ \frac{\text{MCF}}{\text{YR}} \times \left(\frac{0.6\#}{\text{MCF}}\right)$$

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
NITROGEN OXIDES	0.47082	3

4c. Emissions Calculation

140#/MCF

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.019505	3

4d. Emissions Calculation

5.8#/MCF

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	08	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.117705	3

4e. Emissions Calculation

35#/MCF

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.016813	3

4f. Emissions Calculation

FROM AP42 - ALL PARTICULATE < 1 MICRON

.% 2f = 2a

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
LEAD AND LEAD COMPOUNDS		

4g. Emissions Calculation

NONE

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

		3241				3644		3819
	Source	17	18	19		08	09	20
	Boiler #	3	4	5		1	2	6
		Boiler #1	Boiler #2	Boiler #3		Boiler #1	Boiler #2	Boiler
January	1578	526	526	526	2176	1088	1088	212
February	1967	655.6666	655.6666	655.6666	1763	881.5	881.5	223
March	2082	694	694	694	1584	792	792	198
April	651	217	217	217	1343	671.5	671.5	204
May	0	0	0	0	998	499	499	74
June	0	0	0	0	704	352	352	0
July	0	0	0	0	583	291.5	291.5	0
August	1	0.333333	0.333333	0.333333	588	294	294	0
September	0	0	0	0	510	255	255	0
October	10	3.333333	3.333333	3.333333	1056	528	528	1
November	1574	524.6666	524.6666	524.6666	1066	533	533	171
December	2187	729	729	729	1079	539.5	539.5	211
	10050	3350	3350	3350	13450	6725	6725	1294

Start up date 28 October 1993
Shutdown date 30 March 1993

APIS ID 10PEN 170084
Sources 08, 09, 17, 18, 19, 20 KCF NATURAL GAS
Permit Number AO17175278
Annual Operation Report 1993

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	09	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 7 OF 25)
FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #2		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175278	10PEN17008409	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment a
2b. Description of Control Equipment b

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		12	7	4380

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE		
APIS ID	10	PEN	17	0084	09		INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
10300501	EXTCOMB BOILER COMMERCL-INSTUTNL DISTILLATE OIL NO 1 AND NO 2 OIL NATURAL GAS	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
	1000 GALLONS BURNED	
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
10300602	EXTCOMB BOILER COMMERCL-INSTUTNL NATURAL GAS 10-100MMBTU/HR	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
	MILLION CUBIC FEET BURNED	
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)
---	---	1,012 mmBTU/MCF

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	09	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 7 OF 25)

SOURCE DESCRIPTION: BOILER #2

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.016813	3

4a. Emissions Calculation

5#/MCF

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.002018	3

4b. Emissions Calculation

0.6#/MCF

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
NITROGEN OXIDES	0.47082	3

4c. Emissions Calculation

140#/MCF

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.019505	3

4d. Emissions Calculation

5.8#/MCF

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE		
APIS ID	10	PEN	17	0084	09	INPUT	

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant e ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.117705	3

4e. Emissions Calculation

35#/MCF

1f. Pollutant f ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.016813	3

4f. Emissions Calculation

2f = 2a

1g. Pollutant g ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code
LEAD AND LEAD COMPOUNDS	-0-	

4g. Emissions Calculation

NONE

1h. Pollutant h ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

5275 COPIES

		3241				3644			3819
	Source	17	18	19		08	09		20
	Boiler #	3	4	5		1	2		6
		Boiler #1	Boiler #2	Boiler #3		Boiler #1	Boiler #2		Boiler
January	1578	526	526	526	2176	1088	1088		212
February	1967	655.6666	655.6666	655.6666	1763	881.5	881.5		223
March	2082	694	694	694	1584	792	792		198
April	651	217	217	217	1343	671.5	671.5		204
May	0	0	0	0	998	499	499		74
June	0	0	0	0	704	352	352		0
July	0	0	0	0	583	291.5	291.5		0
August	1	0.333333	0.333333	0.333333	588	294	294		0
September	0	0	0	0	510	255	255		0
October	10	3.333333	3.333333	3.333333	1056	528	528		1
November	1574	524.6666	524.6666	524.6666	1066	533	533		171
December	2187	729	729	729	1079	539.5	539.5		211
	10050	3350	3350	3350	13450	6725	6725		1294

Start up date 28 October 1993
Shutdown date 30 March 1993

APIS ID 10PEN 170084
Sources 08, 09, 17, 18, 19, 20 KCF NATURAL GAS
Permit Number AO17175278
Annual Operation Report 1993

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	10	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 8 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
TEN GRINDING & SANDING ROOMS-HELICOPTER ROTOR BLADES		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175291	10PEN17008410	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
BAGHOUSE FILTERS
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	5	2080

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE		
APIS ID	10	PEN	17	0084	10		INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 8 OF 25)

SOURCE DESCRIPTION: TWO PAINT SPRAY BOOTHS
TEN GRINDING & SANDING ROOMS

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.231 TPY	5

4a. Emissions Calculation ESTIMATES ARE FROM PERMIT APPLICATION
[(0.2 + 0.135) x 4] (DC1-4) + [(0.1) (2) + (0.007)(3)] (DC5-7) + [(0.005) + (0.002) + (0.003)] (2) (DC8&9) + [0.123 + 0.0082] DC10

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	11	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 9 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
TWO PAINT SPRAY BOOTHS		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175290	10PEN17008411	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
POLYETHYLENE FILTERS
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	5	2,080

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

5275 COPIES

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	11	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 9 OF 25)

SOURCE DESCRIPTION: ASBESTOS REWORK ROOM- BLDG 755

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0138	2

4a. Emissions Calculation

GALLONS MAT (1-%VOC) (S.G.) (8.34#/GAL) (1-FILTER EFFICIENCY) = $\frac{(1\text{TON})}{(2000\#)}$

See Page 5

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	3.4189	2

4b. Emissions Calculation

GALLONS MATERIAL (% VOC) (S.G.) (8.34#/GAL) $\frac{(1\ \text{TON})}{(2000\#)}$ =

SEE Page 5

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
CARBON MONOXIDE		

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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QUANTITY	SIZE (GAL)	TTL VOL	% VOC	VOL VOC	S. G.	VOC WT	VOL SOLIDS	SOLID WT
3	0.125	0.375	0.17	0.06375	1.35	0.717761	0.31125	3.504363
24	0.25	6	0.01	0.06	1	0.5004	5.94	49.5396
10	0.25	2.5	0.98	2.45	1	20.433	0.05	0.417
84	0.125	10.5	0.75	7.875	1.02	66.99105	2.625	22.33035
7	5	35	1	35	0.8488	247.7647	0	0
8	5	40	1	40	0.8	266.88	0	0
36	0.625	22.5	0.99	22.275	1.1	204.3508	0.225	2.06415
18	5	90	1	90	0.81	607.986	0	0
8	1	8	0.82	6.56	0.9	49.23936	1.44	10.80864
12	0.125	1.5	0.99	1.485	1.6	19.81584	0.015	0.20016
2	0.25	0.5	0.63	0.315	0.91	2.390661	0.185	1.404039
1	5	5	0.58	2.9	0.87	21.04182	2.1	15.23718
13	0.125	1.625	0.8	1.3	0.81	8.78202	0.325	2.195505
8	0.125	1	0.74	0.74	0.88	5.431008	0.26	1.908192
36	0.125	4.5	0.85	3.825	0.88	28.07244	0.675	4.95396
1	5	5	0.44	2.2	1.17	21.46716	2.8	27.32184
27	5	135	1	135	0.804	905.2236	0	0
5	5	25	0.8	20	1.14	190.152	5	47.538
2	55	110	0.965	106.15	1.0182	901.4032	3.85	32.69338
109	0.125	13.625	0.84	11.445	0.823	78.55641	2.18	14.96312
12	1	12	0.832	9.984	1.3	108.2465	2.016	21.85747
6	1	6	0.767	4.602	1.07	41.06732	1.398	12.47547
424	0.25	106	0.75	79.5	1	663.03	26.5	221.01
12	0.25	3	0.58	1.74	1.37	19.88089	1.26	14.39650
6	55	330	0.85	280.5	0.975	2280.885	49.5	402.5092
12	1	12	0.9	10.8	0.86	77.46192	1.2	8.60688
		986.625				6837.771		917.9350

3.418885 TONS/YR

FILTER EFF = 97%

PARTICULATE

27.53805

0.013769

APIS ID 10 PEN 17008411

Paint Shop BLDG 3644

DEP Permit AO17175290

Page 5 Emissions Calculations For Annual Operating Report of 1993

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	12	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 10 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
ASBESTOS REWORK ROOM- BLDG 755 NO SUCH SOURCE		
2. DEP Permit or PPS Number	3. Source APIS ID 10PEN17008412	4. Source Status I
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
2a. Description of Control Equipment 'a'
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	12	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 10 OF 25)

SOURCE DESCRIPTION: HOUSKEEPING VACUUM SYSTEM, BLDG 648

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
ASBESTOS 1332-21-4		
4a. Emissions Calculation		

1b. Pollutant b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
4b. Emissions Calculation		

1c. Pollutant c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
4c. Emissions Calculation		

1d. Pollutant d' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	13	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 11 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
HOUSKEEPING VACUUM SYSTEM, BLDG 648		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17193710	10PEN17008413	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
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SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
VACUUM FILTERS
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		2	5	520

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	13	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 11 OF 25)

SOURCE DESCRIPTION: ~~ALKALINE DEGREASING OPERATION~~ HOUSEKEEPING VACUUM

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0065	5

4a. Emissions Calculation

5#/HR (POTENTIAL)X(2HR/DAY) (5 DAYS/WEEK) (52 WEEKS/YR) (1-0.995) (1 TON/2000#)

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	14	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 12 OF 25)
FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
ALKALINE DEGREASING OPERATION		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17176303	10PEN17008414	I
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
	02/28/93	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
COOLING COILS
2b. Description of Control Equipment 'b'
COVERS

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		16	6	768 HRS

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	100	-0-	-0-	-0-

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	14	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 12 OF 25)

SOURCE DESCRIPTION: ~~BLAST~~ BO~~OTH~~-BU~~ILDING~~ ~~004~~

ALKALINE DEGREASING OPERATION

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	9.66 TONS	2

4a. Emissions Calculation

GALLONS MATERIAL (S.G.) (#VOC) (8.34#/GAL) $\frac{(1\ TON)}{(2000\#)}$ =

1782 (1.3) (1) (8.34) $\frac{(1)}{(2000)}$ = 9.66 TONS

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	15	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 13 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BLAST BOOTH-BUILDING 604		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17196519	10PEN17008415	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type	
SINGLE POINT	POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'	
CYCLONE SEPARATOR	
2b. Description of Control Equipment 'b'	
BAGHOUSE FILTER	

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		6	5	1,560

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	15	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 13 OF 25)

SOURCE DESCRIPTION: ~~FIBERGLASS GRINDING BOOTH BLDG 3557.~~

BLAST BOOTH - BUILDING 604

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.08856	2

4a. Emissions Calculation

MATERIAL DISPOSED OF (1 + 1 -0.99) - MATERIAL DISPOSED OF X $\frac{1 \text{ TON}}{2000\#}$ = TPY

17,712 (1 + 1 -0.99) - 17,712 X 1/2000 = 0.08856

1b. Pollutant b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant d' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	16	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 14 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
FIBERGLASS GRINDING BOOTH,BLDG 3557.		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17205665	10PEN17008416	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
~~SINGLE POINT~~ POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
SELF CONTAINED BAGHOUSE FILTERS
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	5	2,000

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	16	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 14 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
FIBERGLASS GRINDING BOOTH,BLDG 3557.		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17205665	10PEN17008416	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
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SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type

~~SINGLE POINT~~ POINTS REGULATED AS ONE

2a. Description of Control Equipment a

SELF CONTAINED BAGHOUSE FILTERS

2b. Description of Control Equipment b

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	5	2,000

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	18	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 14 OF 25)

SOURCE DESCRIPTION: BOILER #8 BLD.3241 FIBERGLASS GRINDING BOOTH BLDG 3557

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0975	3

4a. Emissions Calculation (FIRE)

ESTIMATE TONS PROCESSED - (EMISSION FACTOR) (1 TON/2000#) =

$15 \frac{\text{TONS}}{\text{YR}} (13\#/\text{TON}) \frac{(1 \text{ TON})}{(2000\#)} = 0.0975$

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
CARBON MONOXIDE	-0-	

4b. Emissions Calculation

NO CO EMITTED FROM THIS SOURCE

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	17	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 15 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #3 BLD.3241		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175278	10PEN17008417	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
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SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	7	1,232

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	57%	27%	-0-	16%

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	17	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 15 OF 25)

SOURCE DESCRIPTION: BOILER #3 BLD.3241

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.0134	3

4a. Emissions Calculation

93 USAGE (KCF) (1MCF) (#POLLUTANT) (1 TON) 8#
3 BOILERS (1000KCF) (MCF) (2000#) MCF

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.001005	3

4b. Emissions Calculation

$\frac{3350}{1000}$ $\frac{(0.6\#)}{(MCF)}$ $\frac{(1\ TON)}{(2000)}$ = 0.001005

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.008375	3

4c. Emissions Calculation

$\frac{3350}{1000}$ $\frac{(1)}{(2000)}$ = 0.001675 $\frac{(5\#)}{(MCF)}$ = 0.008375

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES	0.1675	3

4d. Emissions Calculation

$\frac{100\#}{MCF}$

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	17	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.0335	3

4e. Emissions Calculation

20#/MCF

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.008375	3

4f. Emissions Calculation

SAME AS 2c

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	18	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 16 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #4 BLDG3241		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175278	10PEN17008418	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
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SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	7	1,232

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	57%	27%	-0-	16%

Shaded areas are for DEP use.

Date: 3/94

DEPARTMENT OF ENVIRONMENTAL PROTECTION 527 COPIER

		3241				3644			3819
	Source	17	18	19		08	09		20
	Boiler #	3	4	5		1	2		6
		Boiler #1	Boiler #2	Boiler #3		Boiler #1	Boiler #2		Boiler
January	1578	526	526	526	2176	1088	1088		212
February	1967	655.6666	655.6666	655.6666	1763	881.5	881.5		223
March	2082	694	694	694	1584	792	792		198
April	651	217	217	217	1343	671.5	671.5		204
May	0	0	0	0	998	499	499		74
June	0	0	0	0	704	352	352		0
July	0	0	0	0	583	291.5	291.5		0
August	1	0.333333	0.333333	0.333333	588	294	294		0
September	0	0	0	0	510	255	255		0
October	10	3.333333	3.333333	3.333333	1056	528	528		1
November	1574	524.6666	524.6666	524.6666	1066	533	533		171
December	2187	729	729	729	1079	539.5	539.5		211
	10050	3350	3350	3350	13450	6725	6725		1294

Start up date 28 October 1993
Shutdown date 30 March 1993

APIS ID 10PEN 170084
Sources 08, 09, 17, 18, 19, 20 KCF NATURAL GAS
Permit Number AO17175278
Annual Operation Report 1993

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	18	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 16 OF 25)

SOURCE DESCRIPTION: BOILER #4 BLDG3241

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.0134	3

4a. Emissions Calculation

$$\frac{93\ \text{USAGE(KCF)}}{3\ \text{BOILERS}}\ \left(\frac{1\text{MCF}}{1000\text{KCF}}\right)\left(\frac{\#\text{POLLUTANT}}{\text{MCF}}\right)\left(\frac{1\ \text{TON}}{2000\#}\right)$$

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.001005	3

4b. Emissions Calculation

$$\frac{10050}{3}\ \left(\frac{1}{1000}\right)\left(\frac{1}{2000}\right) = 0.001675\ \frac{\text{MCF}}{\text{YR}}\ \frac{\text{TON}}{\#}\ \left(\frac{0.6\#}{\text{MCF}}\right)$$

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.008375	3

4c. Emissions Calculation

$$\frac{5\#}{\text{MCF}}$$

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES	0.1675	3

4d. Emissions Calculation

$$\frac{100\#}{\text{MCF}}$$

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	18	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 16 OF 25)

SOURCE DESCRIPTION: BOILER #4 BLDG3241

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.0134	3

4a. Emissions Calculation

$$\frac{93\ \text{USAGE(KCF)}}{3\ \text{BOILERS}} \left(\frac{1\text{MCF}}{1000\text{KCF}}\right) \left(\frac{\#\text{POLLUTANT}}{\text{MCF}}\right) \left(\frac{1\ \text{TON}}{2000\#}\right)$$

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.001005	3

4b. Emissions Calculation

$$\frac{10050}{3} \left(\frac{1}{1000}\right) \left(\frac{1}{2000}\right) = 0.001675 \frac{\text{MCF}}{\text{YR}} \frac{\text{TON}}{\#} \left(\frac{0.6\#}{\text{MCF}}\right)$$

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.008375	3

4c. Emissions Calculation

$$\frac{5\#}{\text{MCF}}$$

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES	0.1675	3

4d. Emissions Calculation

$$\frac{100\#}{\text{MCF}}$$

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	19	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 17 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER #5 BLDG. 3241 EAST		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175278	10PEN17008419	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
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SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		8	7	1,232

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	57%	27%	-0-	16%

Shaded areas are for DEP use.

Date: 3/94

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		3241				3644		3819
	Source	17	18	19	08	09	20	
	Boiler #	3	4	5	1	2	6	
		Boiler #1	Boiler #2	Boiler #3	Boiler #1	Boiler #2	Boiler	
January	1578	526	526	526	2176	1088	1088	212
February	1967	655.6666	655.6666	655.6666	1763	881.5	881.5	223
March	2082	694	694	694	1584	792	792	198
April	651	217	217	217	1343	671.5	671.5	204
May	0	0	0	0	998	499	499	74
June	0	0	0	0	704	352	352	0
July	0	0	0	0	583	291.5	291.5	0
August	1	0.333333	0.333333	0.333333	588	294	294	0
September	0	0	0	0	510	255	255	0
October	10	3.333333	3.333333	3.333333	1056	528	528	1
November	1574	524.6666	524.6666	524.6666	1066	533	533	171
December	2187	729	729	729	1079	539.5	539.5	211
	10050	3350	3350	3350	13450	6725	6725	1294

Start up date 28 October 1993
Shutdown date 30 March 1993

APIS ID 10PEN 170084
Sources 08, 09, 17, 18, 19, 20 KCF NATURAL GAS
Permit Number AO17175278
Annual Operation Report 1993

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	19	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 17 OF 25)

SOURCE DESCRIPTION: BOILER #5 BLDG. 3241 EAST

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant a ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.0134	3

4a. Emissions Calculation

$$\frac{93 \text{ USAGE(KCF)}}{3 \text{ Boilers}} \left(\frac{1 \text{ MCF}}{1000 \text{ KCF}}\right) \left(\frac{\#\text{POLLUTANT}}{\text{MCF}}\right) \left(\frac{1 \text{ TON}}{2000\#}\right) \frac{8\#}{\text{MCF}}$$

1b. Pollutant b ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.001005	3

4b. Emissions Calculation

$$\frac{10050}{3} \left(\frac{1}{1000}\right) \left(\frac{1}{2000}\right) = 0.001675 \frac{\text{MCF TON}}{\# \text{ YR}} \frac{0.6\#}{\text{MCF}}$$

1c. Pollutant c ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.008375	3

4c. Emissions Calculation

$$0.001675 \left(\frac{5\#}{\text{MCF}}\right)$$

1d. Pollutant d ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES	0.1675	3

4d. Emissions Calculation

$$\frac{100\#}{\text{MCF}}$$

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Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	19	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.0335	3

4e. Emissions Calculation

20#/MCF

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.008375	3

4f. Emissions Calculation

SAME AS 2c

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	20	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 18 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
BOILER NO. 6 (BLDG 3819)		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17175278	10PEN17008420	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
POINTS REGULATED AS ONE
2a. Description of Control Equipment 'a'
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
Y		24	7	3696	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON
		57%	27%	-0-	16%

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	20	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 18 OF 25)

SOURCE DESCRIPTION: BOILER NO. 6 (BLDG 3819)

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.005176	3

4a. Emissions Calculation

$$\frac{\text{USAGE KCF}}{\text{YR}} \left(\frac{1\ \text{MCF}}{1000\ \text{KCF}}\right) \left(\frac{1\ \text{TON}}{2000\#}\right) = 0.000647\ \frac{\text{MCF}}{\text{YR}}\ \frac{\text{TON}}{\#}\ 8\#/\text{MCF}$$

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
SULFUR DIOXIDE	0.000388	3

4b. Emissions Calculation

$$\frac{1294\ \text{KCF}}{\text{YR}} \left(\frac{1}{1000}\right) \left(\frac{1}{2000}\right) \left(\frac{0.6\#}{\text{MCF}}\right)$$

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.003235	3

4c. Emissions Calculation

$$\frac{5\#}{\text{MCF}}$$

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
NITROGEN OXIDES	0.0647	3

4d. Emissions Calculation

$$\frac{100\#}{\text{MCF}}$$

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	20	INPUT

SOURCE EMISSIONS INFORMATION (Continued)

1e. Pollutant 'e' ID	2e. Annual Emissions (ton/year)	3e. Emissions Method Code
CARBON MONOXIDE	0.012940	3

4e. Emissions Calculation

30#/MCF

1f. Pollutant 'f' ID	2f. Annual Emissions (ton/year)	3f. Emissions Method Code
PARTICULATE MATTER - 10 MICRONS OR LESS	0.003235	3

4f. Emissions Calculation

SAME AS 4c 5#/MCF

1g. Pollutant 'g' ID	2g. Annual Emissions (ton/year)	3g. Emissions Method Code

4g. Emissions Calculation

1h. Pollutant 'h' ID	2h. Annual Emissions (ton/year)	3h. Emissions Method Code

4h. Emissions Calculation

5. Source Operation Report Comments

Shaded areas are for DEP use.

Date: 3/94

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		3241				3644			3819
	Source	17	18	19		08	09		20
	Boiler #	3	4	5		1	2		6
		Boiler #1	Boiler #2	Boiler #3		Boiler #1	Boiler #2		Boiler
January	1578	526	526	526	2176	1088	1088		212
February	1967	655.6666	655.6666	655.6666	1763	881.5	881.5		223
March	2082	694	694	694	1584	792	792		198
April	651	217	217	217	1343	671.5	671.5		204
May	0	0	0	0	998	499	499		74
June	0	0	0	0	704	352	352		0
July	0	0	0	0	583	291.5	291.5		0
August	1	0.333333	0.333333	0.333333	588	294	294		0
September	0	0	0	0	510	255	255		0
October	10	3.333333	3.333333	3.333333	1056	528	528		1
November	1574	524.6666	524.6666	524.6666	1066	533	533		171
December	2187	729	729	729	1079	539.5	539.5		211
	10050	3350	3350	3350	13450	6725	6725		1294

Start up date 28 October 1993
Shutdown date 30 March 1993

APIS ID 10PEN 170084
Sources 08, 09, 17, 18, 19, 20 KCF NATURAL GAS
Permit Number AO17175278
Annual Operation Report 1993

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	21	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 19 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
SPRAY PAINT BOOTH-BLDG 647-EAST		
2. DEP Permit or PPS Number	**3. Source APIS ID**	**4. Source Status**
AO17238905	10PEN17008421	A
5. Source Startup Date (MM/DD/YY)	**6. Source Shutdown Date (DD/MM/YY)**	
10/14/93		

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type	
~~POINTS REGULATED AS ONE~~	SINGLE POINT
2a. Description of Control Equipment 'a'	
DRY FILTER MEDIA	
2b. Description of Control Equipment 'b'	

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		4	5	176

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	33%	-	-	66%

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	21	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 19 OF 25)

SOURCE DESCRIPTION: ~~WALK-IN BLAST BOOTH BLDG 755~~ SPRAY PAINT BOOTH, BLDG 647 EAST

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.2046	3

4a. Emissions Calculation

EMISSION FACTOR $\left(\frac{LB}{TON}\right)$ $\left(\frac{GAL}{YR} \times \frac{8.34\#}{GAL} \times S.G.\right)$ $\frac{1\ TON}{2000\#}$ $\left(\frac{1\ TON}{2000\#}\right)$ =

1120#/TON (73 GAL/YR X 8.34#/GAL X 1.2) $\left(\frac{1\ TON}{2000\#}\right)$ $\left(\frac{1\ TON}{2000\#}\right)$ = 0.2046

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0016	3

4b. Emissions Calculation

EMISSION FACTOR #/TON $\left[\left(\frac{GAL}{YR}\right) (8.34\#/GAL) \times S.G.\right]$ $\left(\frac{1\ TON}{2000\#}\right)$ $\left(\frac{1\ TON}{2000\#}\right)$ (1-FILTER EFFICIENCY)

880#/TON (73 GAL/YR X 8.34#/GAL X 1.2) $\left(\frac{1\ TON}{2000\#}\right)$ $\left(\frac{1\ TON}{2000\#}\right)$ (1-0.99) = 0.0016

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

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Date: 3/94

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647 PAINT BOOTH
ANNUAL OPERATION REPORT
1993

RUNTIME		PAINT USAGE	
BOOTH 1	BOOTH 2	BOOTH 1	BOOTH 2
MINUTES	MINUTES	QUARTS	QUARTS
EAST 90	WEST 75	EAST 6	WEST 6.75
65	75	7.5	8
110	65	13	4.5
65	35	7.5	3
45	0	4	0
125	45	10	8
75	45	7	6.5
105	45	11.5	5.75
70	35	15.5	8
60	120	7	23.75
35	45	6	7.75
60	0	4	0
60	60	5	5
65	45	8	8.75
105	120	12.5	9.5
45	25	12	5.5
0	45	0	6
0	35	0	6
60	35	12	10
45	35	8	4
65	45	8	6
120	360	7	18
45	50	5.5	4.5
80	120	9	14
45	35	12	8.5
45	75	5	12.5
45	85	9.5	15
60	45	9.5	9.5
0	60	0	17
35	0	6	0
45	60	10	6
45	30	5.5	6
65	35	9	6.5
45	35	11	5.5
30	100	0	10.5
45	25	4	4
0	25	0	7
65	50	10.25	7.5
0	20	0	4
60	140	3	19
360	100	8	11
25	45	2	3.5
35	45	1	0.5
2645	2570	291.75	332.75
44.08333	42.83333	72.9375	83.1875

x4 - to include cure time
176 hrs 171.32

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	22	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 20 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
WALK-IN BLAST BOOTH BLDG 755		
2. DEP Permit or PPS Number	**3. Source APIS ID**	**4. Source Status**
AO17196519	10PEN17008422	A
5. Source Startup Date (MM/DD/YY)	**6. Source Shutdown Date (DD/MM/YY)**	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
CYCLONE/BAGHOUSE
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		6	5	1500

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	22	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 20 OF 25)

SOURCE DESCRIPTION: DOUBLE STATION GLOVE BOX - BLDG 755 WALK-IN BLAST BOOTH 755

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.146	2

4a. Emissions Calculation

$$29{,}167\#/YR \ (1-0.99) = 291.67\# \ (1 \text{ TON}/2000\#) = 0.146 \text{ TPY}$$

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	23	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 21 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
DOUBLE STATION GLOVE BOX - BLDG 755		
2. DEP Permit or PPS Number	**3. Source APIS ID**	**4. Source Status**
AO17196519	10PEN17008423	A
5. Source Startup Date (MM/DD/YY)	**6. Source Shutdown Date (DD/MM/YY)**	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
CYCLONE BAGHOUSE
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
Y		6	5	1500	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON
		25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	23	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
309002	FABRICATED METALS ABRASIVE BLASTING OF METAL PARTS - PLASTIC ABRASIVE	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
TONS ABRASIVE CONSUMED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	23	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 21 OF 25)

SOURCE DESCRIPTION: ~~SINGLE STATION GLOVE BOX ROUND STACK BLDG 755~~

DOUBLE STATION GLOVE BOX, BLDG 755

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.146	2

4a. Emissions Calculation

TONS ABRASIVE (1-FILTER EFFICIENCY) - TPY
YR

29,167#/YR(1-0.99) (1 YR / (2000#)) - 0.146 TPY

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID:	10	PEN	17	0084	24	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 22 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
SINGLE STATION GLOVE BOX ROUND STACK BLDG 755		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17196519	10PEN17008424	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
CYCLONE/BAGHOUSE
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		6	5	1500

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	24	INPUT

SOURCE PROCESS/FUEL INFORMATION (AIR050)

1a. SCC 'a'	2a. Description of Process or Type of Fuel	
309002	FABRICATED METALS ABRASIVE BLASTING OF METAL PARTS - PLASTIC ABRASIVE	
3a. Annual Process or Fuel Usage Rate (SCC Units)		
TONS ABRASIVE CONSUMED		
4a. Fuel Average % Sulphur	5a. Fuel Average % Ash	6a. Fuel Heat Content (mmBtu/SCC Units)

1b. SCC 'b'	2b. Description of Process or Type of Fuel	
3b. Annual Process or Fuel Usage Rate (SCC Units)		
4b. Fuel Average % Sulphur	5b. Fuel Average % Ash	6b. Fuel Heat Content (mmBtu/SCC Units)

1c. SCC 'c'	2c. Description of Process or Type of Fuel	
3c. Annual Process or Fuel Usage Rate (SCC Units)		
4c. Fuel Average % Sulphur	5c. Fuel Average % Ash	6c. Fuel Heat Content (mmBtu/SCC Units)

1d. SCC 'd'	2d. Description of Process or Type of Fuel	
3d. Annual Process or Fuel Usage Rate (SCC Units)		
4d. Fuel Average % Sulphur	5d. Fuel Average % Ash	6d. Fuel Heat Content (mmBtu/SCC Units)

Shaded areas are for DEP use.

Date 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	24	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 22 OF 25)

SOURCE DESCRIPTION: SMALL BLAST BOX BLDG 755

SINGLE STATION GLOVE BOX - ROUND STACK, BLDG 755

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.146	2

4a. Emissions Calculation

TONS ABRASIVE (1-FILTER EFFICIENCY) = TPY

$$29{,}167\#/YR \left(\frac{1\ TON}{2000\#}\right) (1-0.99) = 0.146$$

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	25	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 23 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
SMALL BLAST BOX BLDG 755		
2. DEP Permit or PPS Number	3. Source APIS ID	4. Source Status
AO17196519	10PEN17008425	A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	
---	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
CYCLONE/BAGHOUSE
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		2	3	300

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	25	25	25	25

Shaded areas are for DEP use.

Date 3/94

	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	25	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 23 OF 25)

SOURCE DESCRIPTION: ~~SINGLE STATION GLOVE BOX RECTANGULAR STACK BLDG 755~~

SMALL BLAST BOX, BLDG 755

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.00375	2

4a. Emissions Calculation

$\frac{\text{TONS ABRASIVE}}{\text{YR}}$ (1-FILTER EFFICIENCY) = TPY

75#/YR $\frac{1 \text{ TON}}{2000\#}$ (1-0.99) = 0.00375

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code

4b. Emissions Calculation

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE		
APIS ID	10	PEN	17	0084	26	NO SOURCE	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 24 OF 25)

SOURCE DESCRIPTION: SPRAY PAINT BOOTH-BLDG 647-WEST

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
PARTICULATE MATTER - TOTAL		
4a. Emissions Calculation		

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
4b. Emissions Calculation		

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code
4c. Emissions Calculation		

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code
4d. Emissions Calculation		

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID:	10	PEN	17	0084	26	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 24 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
NO SUCH SOURCE ~~SINGLE STATION GLOVE BOX RECTANGULAR STACK BLDG 755~~		
2. DEP Permit or PPS Number AO17196519	3. Source APIS ID 10PEN17008426	4. Source Status A
5. Source Startup Date (MM/DD/YY)	6. Source Shutdown Date (DD/MM/YY)	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type SINGLE POINT
2a. Description of Control Equipment 'a' CYCLONE/BAGHOUSE
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)	
4. Percent Hours of Operation by Season		DJF	MAM	JJA	SON

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	27	INPUT

SOURCE OPERATION REPORT - PAGE 1 & 2 (SOURCE REPORT 25 OF 25)

FACILITY NAME: U. S. NAVY

SOURCE INFORMATION (AIR030)

1. Source Description		
SPRAY PAINT BOOTH-BLDG 647-WEST		
2. DEP Permit or PPS Number	**3. Source APIS ID**	**4. Source Status**
AO17238905	10PEN17008427	A
5. Source Startup Date (MM/DD/YY)	**6. Source Shutdown Date (DD/MM/YY)**	
10/14/93	---	

SOURCE EMISSION POINT/CONTROL INFORMATION (AIR033)

1. Source Emission Point Type
SINGLE POINT
2a. Description of Control Equipment 'a'
DRY FILTER MEDIA
2b. Description of Control Equipment 'b'

SOURCE OPERATING SCHEDULE INFORMATION (AIR050)

1. Operated During Year?	2. Average Operation During Year	hour/day	day/week	3. Total Operation During Year (hour/year)
Y		4	4	172

4. Percent Hours of Operation by Season	DJF	MAM	JJA	SON
	33%	---	---	66%

Shaded areas are for DEP use.

Date: 3/94

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	DISTRICT	OFFICE	COUNTY	FACILITY	SOURCE	
APIS ID	10	PEN	17	0084	27	INPUT

SOURCE OPERATION REPORT - PAGE 3 & 4 (SOURCE REPORT 25 OF 25)

SOURCE DESCRIPTION: SPRAY PAINT BOOTH-BLDG 647-WEST

SOURCE EMISSIONS INFORMATION (AIR051)

1a. Pollutant 'a' ID	2a. Annual Emissions (ton/year)	3a. Emissions Method Code
VOLATILE ORGANIC COMPOUNDS	0.2326	3

4a. Emissions Calculation

EMISSION FACTOR (#/TON) (GAL/YR X 8.34#/GAL X S.G.) (1 TON/2000#) (1 TON/2000#) = TPY

1120#/TON (83 GAL/YR) (8.34#/GAL) (1.2) (1 TON/2000#) (1 TON/2000#) = 0.2326

1b. Pollutant 'b' ID	2b. Annual Emissions (ton/year)	3b. Emissions Method Code
PARTICULATE MATTER - TOTAL	0.0018	3

4b. Emissions Calculation

EMISSION FACTOR (#/TON) (GAL/YR X 8.34#/GAL X S.G.) (1 TON/2000#) (1 TON/2000#) (1-FILTER EFFICIENCY)=

880#/TON (83 GAL/YR) (8.34#/GAL) (1.2) (1 TON/2000#) (1 TON/2000#) (1-0.99) = 0.0018

1c. Pollutant 'c' ID	2c. Annual Emissions (ton/year)	3c. Emissions Method Code

4c. Emissions Calculation

1d. Pollutant 'd' ID	2d. Annual Emissions (ton/year)	3d. Emissions Method Code

4d. Emissions Calculation

Shaded areas are for DEP use.

Date: 3/94

647 PAINT BOOTH
ANNUAL OPERATION REPORT
1993

RUNTIME BOOTH 1 MINUTES	BOOTH 2 MINUTES	PAINT USAGE BOOTH 1 QUARTS	BOOTH 2 QUARTS
EAST 90	WEST 75	EAST 6	WEST 6.75
65	75	7.5	8
110	65	13	4.5
65	35	7.5	3
45	0	4	0
125	45	10	8
75	45	7	6.5
105	45	11.5	5.75
70	35	15.5	8
60	120	7	23.75
35	45	6	7.75
60	0	4	0
60	60	5	5
65	45	8	8.75
105	120	12.5	9.5
45	25	12	5.5
0	45	0	6
0	35	0	6
60	35	12	10
45	35	8	4
65	45	8	6
120	360	7	18
45	50	5.5	4.5
80	120	9	14
45	35	12	8.5
45	75	5	12.5
45	85	9.5	15
60	45	9.5	9.5
0	60	0	17
35	0	6	0
45	60	10	6
45	30	5.5	6
65	35	9	6.5
45	35	11	5.5
30	100	0	10.5
45	25	4	4
0	25	0	7
65	50	10.25	7.5
0	20	0	4
60	140	3	19
360	100	8	11
25	45	2	3.5
35	45	1	0.5
2645	2570	291.75	332.75
44 gal	43 gal	73	83

5275 COPIES

AOR 93 10PEN17008426

This source did not operate in 1993.

TABLE 2-1
SITES REQUIRING ONLY PRELIMINARY SITE SCREENING

SITE NO.	SITE NAME	DATES USED	DESCRIPTION	TYPE WASTE	QUANTITY
4	Army Rubble Disposal Site	Early 1950's	Rubble from demolished Army buildings deposited in this area. Site is approximately 150' x 900'.	Building debris, including pipes, timber, etc.	Unknown
5	Borrow Pit	1976	Site used as a supply source for soil used to cover sanitary landfill (Site 1). Site is approximately 650' x 800'.	None	None
6	Fort Redoubt Rubble Disposal Site	1973 to 1982	Rubble and demolition waste from destruction of old buildings on base. Site is approximately 450' x 1650'.	Concrete, wood, metal, plastic, etc.	Unknown
7	Fire Fighting School	1940 to Present	Firefighting training in Building 1713.	None	None
8	Rifle Range	1951 to 1965	Solid wastes burned and/or deposited at this site (now covered by building 3561). Trenches used for burial approximately 7' x 12' x 50' long.	Solid waste (predominately paper).	Unknown
9	Navy Yard Disposal	Early 1900's to Early 1930's	Old Navy dump. Disposal area for trash and refuse. Adjacent to SWMU sites 23, 29 and 34.	Solid waste (Various).	Unknown
10	Commodore's Pond	Mid to late 1800's	Ships' timbers stored underwater. Removed in 1960's to Magazine Point.	Wood timbers	Unknown

ATTACHMENT D

SITE NO.	SITE NAME	DATES USED	DESCRIPTION	TYPE WASTE	QUANTITY
22	Refueler Repair Shop Fuel Disposal	1958 to 1977	Residual fuel from refueler trucks disposed gasoline and fuel to ground before trucks were repaired. Site area is approximately 900 Square feet.	Aviation gasoline and jet fuel containing lead	1000 gallon per year
23	Chevalier Field Pipeline Leak	1965; 1968-1969	Underground fuel pipeline leaked fuel oil. Adjacent to SWMU sites 9, 29, 34.	Special fuel oil (1965) Marine diesel fuel (1968-1969)	Unknown
24	DDT Mix Area	Early 1950's to Early 1960's	Site location is approximately 100' north of Building 3561. Pits dug in ground used to mix DDT with oil.	Fuel oil mixed with DDT	20 gallon of DDT solution
25	Radium Spill Site	1978	Drum of low level radioactive waste broke open, spilling contents onto concrete floor of storage area.	Low level radioactive waste containing radium	half drum
28	Transformer Accident Site	1969	Transformer fell from truck and broke open, spilling approximately 50 gallons of fluid onto pavement and were washed into nearby storm sewer or settled into soil.	Transformer fluid. Possibly containing PCBs	Approximately 50 gallon

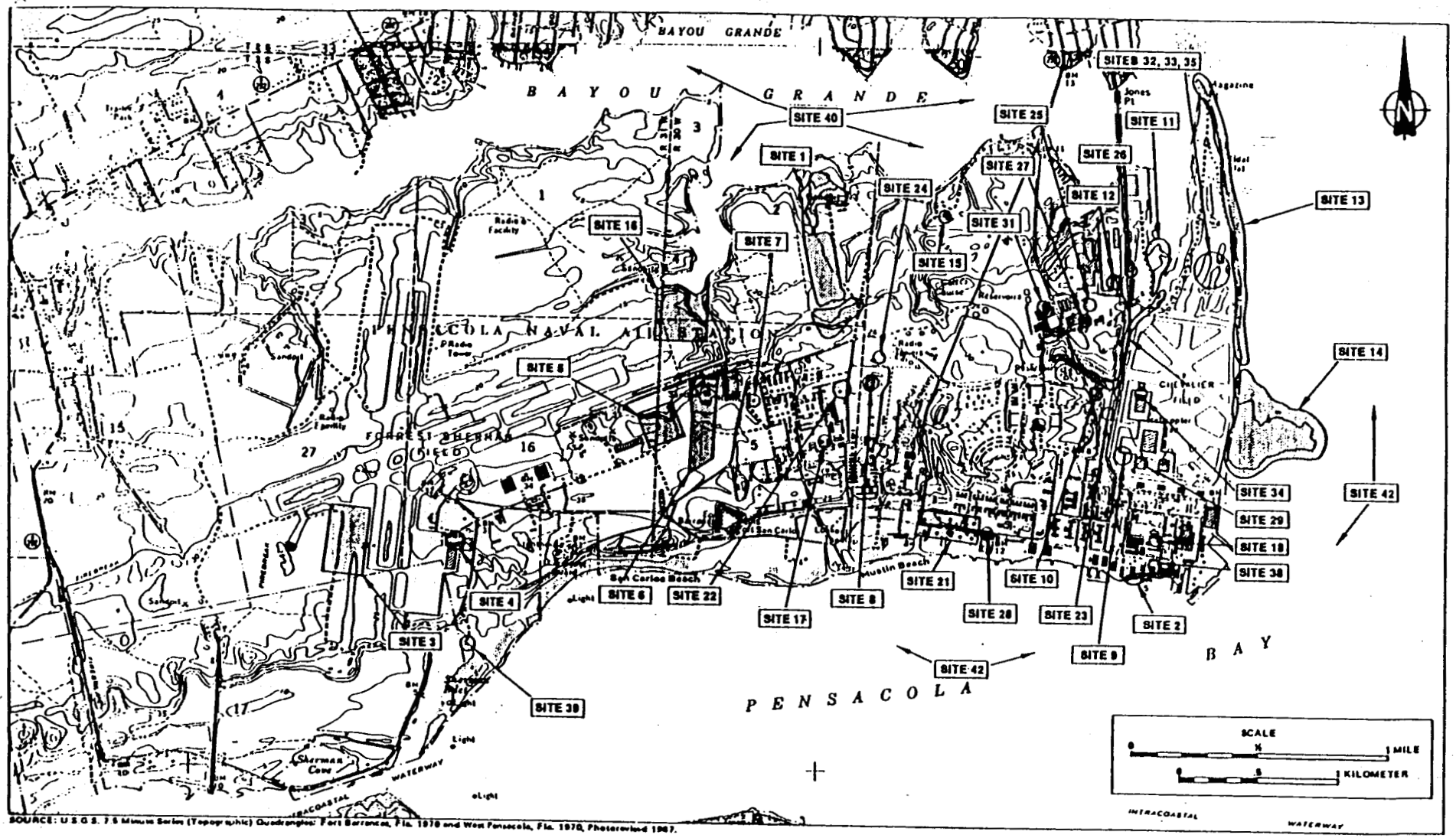
TABLE 2-2
SITES REQUIRING INDEPTH REMEDIAL INVESTIGATION

SITE NO.	SITE NAME	DATES USED	DESCRIPTION	TYPE WASTE	QUANTITY
1	Sanitary Landfill	Mid 1950's to 1976	Solid waste deposited in rubble dumps and landfill cells. Some open burning. Some waste accepted off site.	Sanitary, Industrial (including hazardous)	Unknown
2	Waterfront Sediment	1939-1971	Offshore bay area south-east part of facility. Received industrial waste discharged to storm sewer.	Industrial (including hazardous)	Unknown
3	Crash Crew Training Area	Late 1950's to present	Area adjacent to Sherman Field used for training in crash/fire fighting of aircraft fuels ignited in barrels or pits.	Gasoline, Jet fuel, lube oils, etc.	200 gal/wk
11	North Chevalier Field Disposal Site	Late 1930's to early 1950's	Fill area, at head of Creek, used for disposal/ burning of industrial wastes.	Industrial, Including hazardous wastes (oils, etc.)	Approx. 24 yds/day
15	Pesticide Rinsate Disposal	1963-1979	Disposal area for dilute pesticide solutions.	Pesticides (Carbamates, Organophosphates, Chlor-inated Hydrocarbons	Unknown

SITE NO.	SITE NAME	DATES USED	DESCRIPTION	TYPE WASTE	QUANTITY
21	Sludge Disposal at Fuel Tanks	1940-1960	Sludge from the bottom of aviation gasoline and jet fuel tanks buried around tank area.	Sludge deposited from aviation gas/jet fuel	360 yds
26	Supply Department Outside Storage	Before 1956 up to 1964	Industrial chemicals stored in containers on on mats outside Bldg 624. Leakage was common. Site area approx. 30'X 30'.	Industrial Waste (including hazardous)	Unknown
27	Radium Dial Shop Sewer	1940's to 1976	Liquid waste from instrument painting operations were routinely disposed to the sanitary sewer. Site is near Building 709.	Cleaning solvents, phosphors, pigment, paint acids, caustics, radium solutions	1500 gal per year
29	Soil South of Building 3460	1981	Workers received skin burns from dermal contact with a "black slimy" material in the soil. Suspected source is leaking industrial sewer line.	Unknown - possible mixture of chemicals used by NAVAIRREWORK facility	Unknown

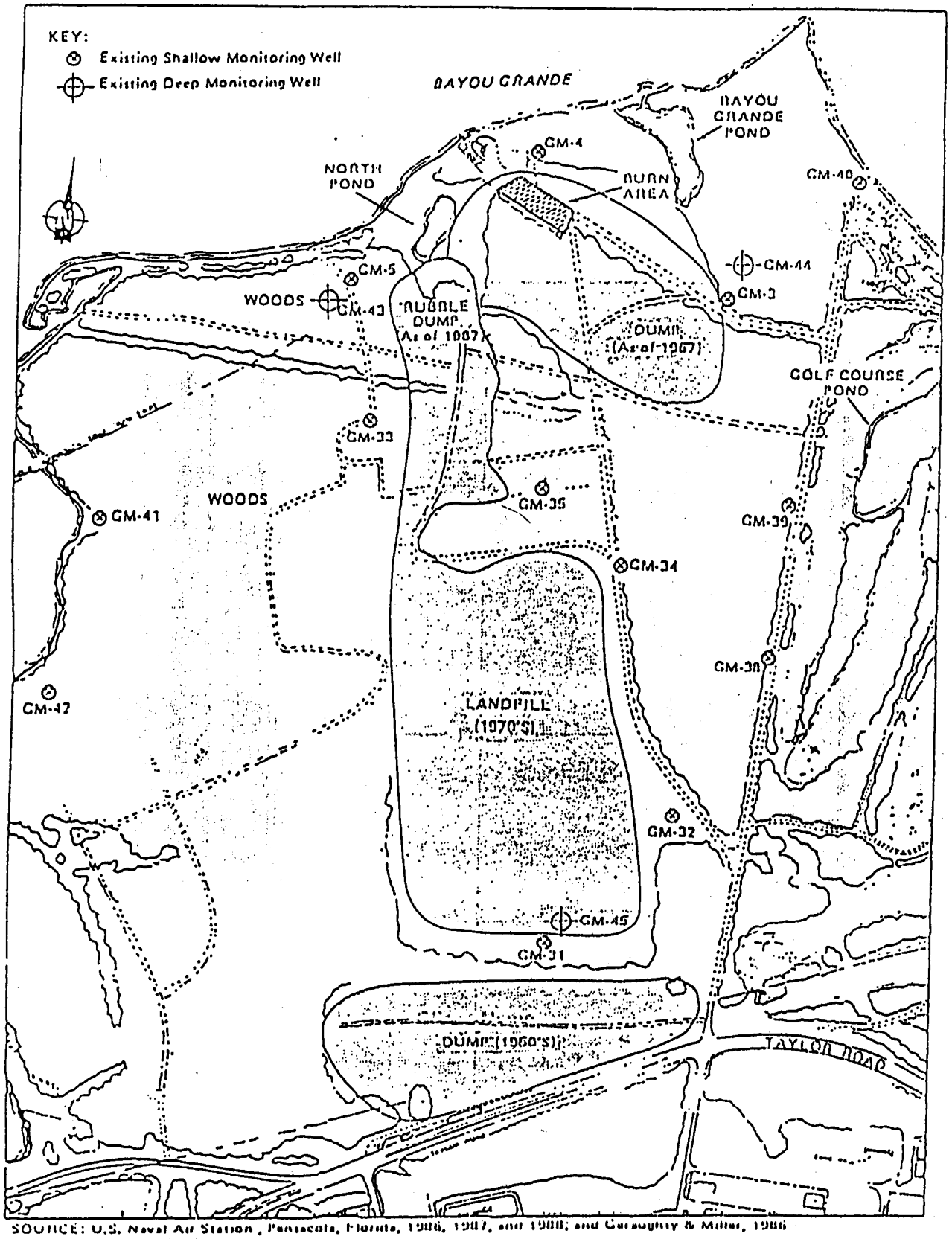
SITE NO.	SITE NAME	DATES USED	DESCRIPTION	TYPE WASTE	QUANTITY
30	Plating Shops Buildings 649/755	Mid 1940' to early 1976	Two metal plating shops containing approximately 65 plating tanks. Tanks of plating bath were periodically emptied into a ditch which drained to Bayou Grande.	Plating bath solvents - including Sn, CN, Cd, Cr; Chlorinated organics, acids, etc.	Range of 241,000 gal to 2,820,000 gal
31	Paint Shop Building 648	1949-1971	Painting wastes were dumped on the ground north of the building.	Paints, solvents and paint sludge	Approximately 28,600 gal
32	Industrial Sludge Drying Beds	1971-1986	Rectangular containment structure built of concrete block, used to contain sludge from sanitary and industrial waste treatment operation. Sludge dried then removed. In 1986 all contaminated filter media was removed and the site capped.	Industrial treatment sludge/sanitary sludge. Also sediment from IWTP pond	Unknown
33	Wastewater Treatment Ponds (polishing and stabilization)	1971-1987	3 surface impoundments used in the industrial waste treatment plant (IWTP) operation. Includes RCRA impoundment (surge) pond.	Wastewater stream to to surge pond	Unknown

SITE NO.	SITE NAME	DATES USED	DESCRIPTION	TYPE WASTE	QUANTITY
34	Solvent Spill Site	1984	Leaking Pipeline at the north end of Building 3557. Solvent detergent used to clean aircraft. Adjacent to SWMU sites 9,23 and 29.	Chlorinated aeromatic hydrocarbon	45,000 gal @ 1% solvent
35	Miscellaneous Wastewater	1971 - 1989	Industrial wastewater and sludges from tanks, clarifiers, sludge digesters, belt filter presses, etc.	Industrial wastewater and sludges.	Unknown
36	Industrial Wastewater Sewer Collection System	1971 - 1989	Leaking industrial waste-water sewer pipes at various times leaked an unknown quantity of industrial wastewater.	Industrial wastewater	Unknown
38	Building 71	1935 to 1989	Used as a paint stripping and hazardous waste storage facility.	Solvents and Industrial Wastes	Unknown
39	Oak Grove	N/A	Discovered approximately 150' diameter area stained with petroleum products.	Petroleum hydrocarbons	Unknown
40	Bayou Grande	N/A	Study is being conducted to assess possible impact from operations at NAS.	Unknown	Unknown
41	Westlands on Naval Air Station	N/A	Study is being conducted. to assess possible impact from operations at NAS.	Unknown	Unknown
42	Pensacola Bay	N/A	Study is being conducted to assess possible impact from operations at NAS.	Unknown	Unknown



SOURCE: U.S.G.S. 7.5 Minute Series (Topographic) Quadrangles: Fort Barrancas, Fla. 1970 and West Pensacola, Fla. 1970, Photorevised 1987.

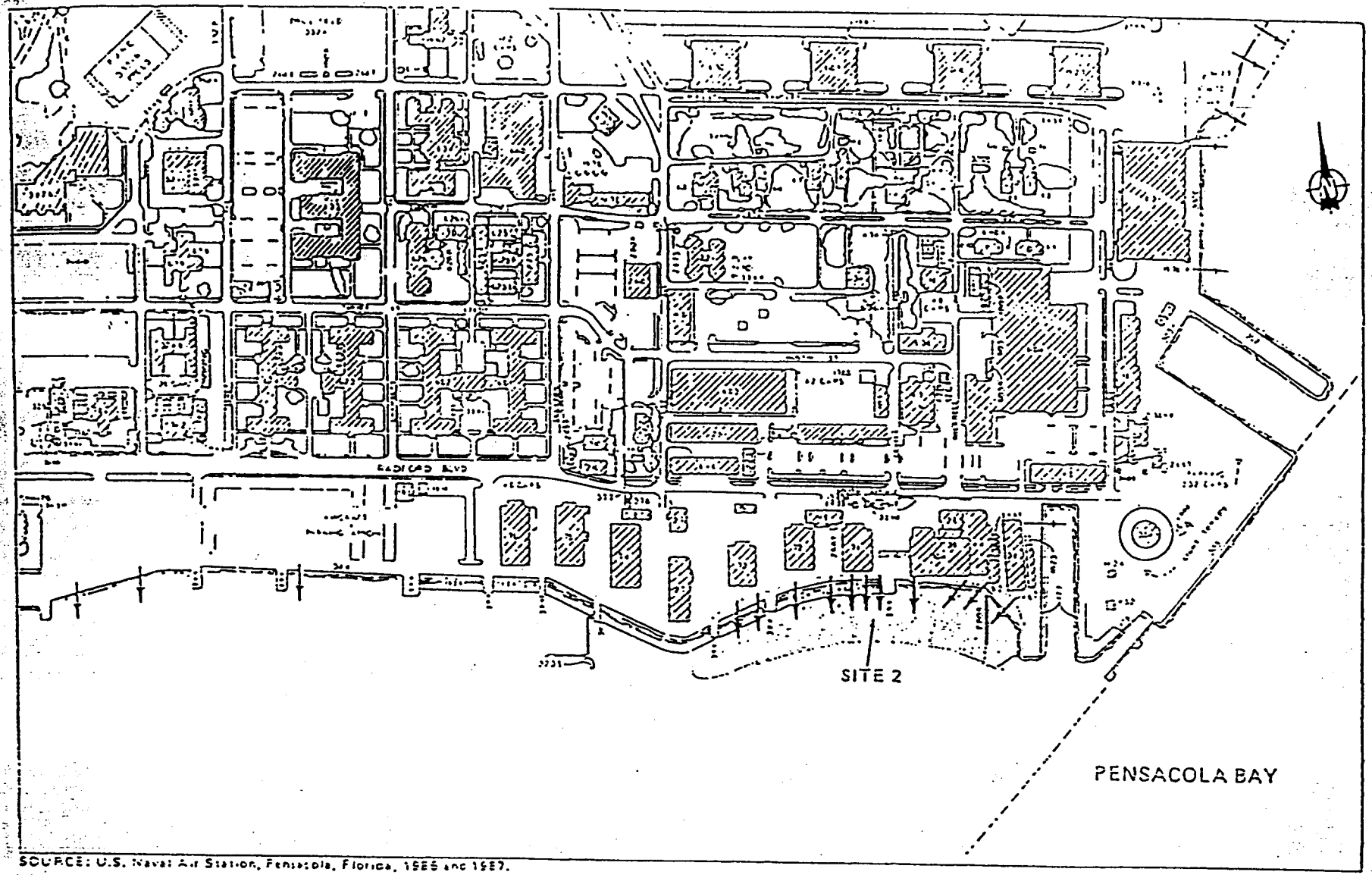
Figure 2-2 NAS PENSACOLA SITE LOCATIONS



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1986, 1987, and 1988; and Geraghty & Miller, 1986

Figure 2–2 SITE MAP – NAS PENSACOLA – SITE 1

Contaminates: Sanitary and Industrial Wastes



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1985 and 1987.

KEY:

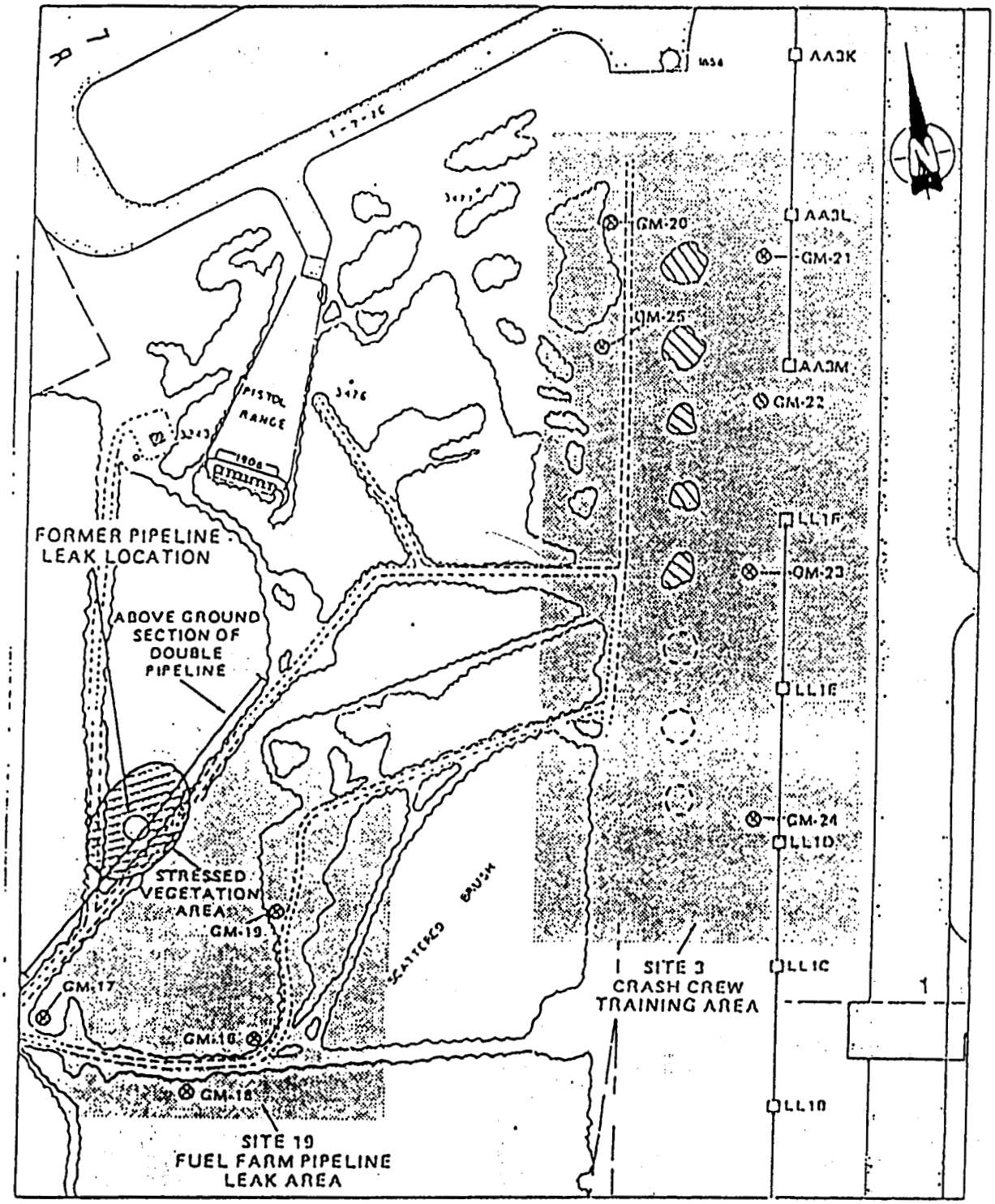
Storm Sewer Outfalls

SCALE

0 200 400 600 800 FEET

Figure 2-4 SITE MAP – NAS PENSACOLA SITE 2

Contaminates: Industrial Wastes



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1987; and Geraughty and Miller, 1986.

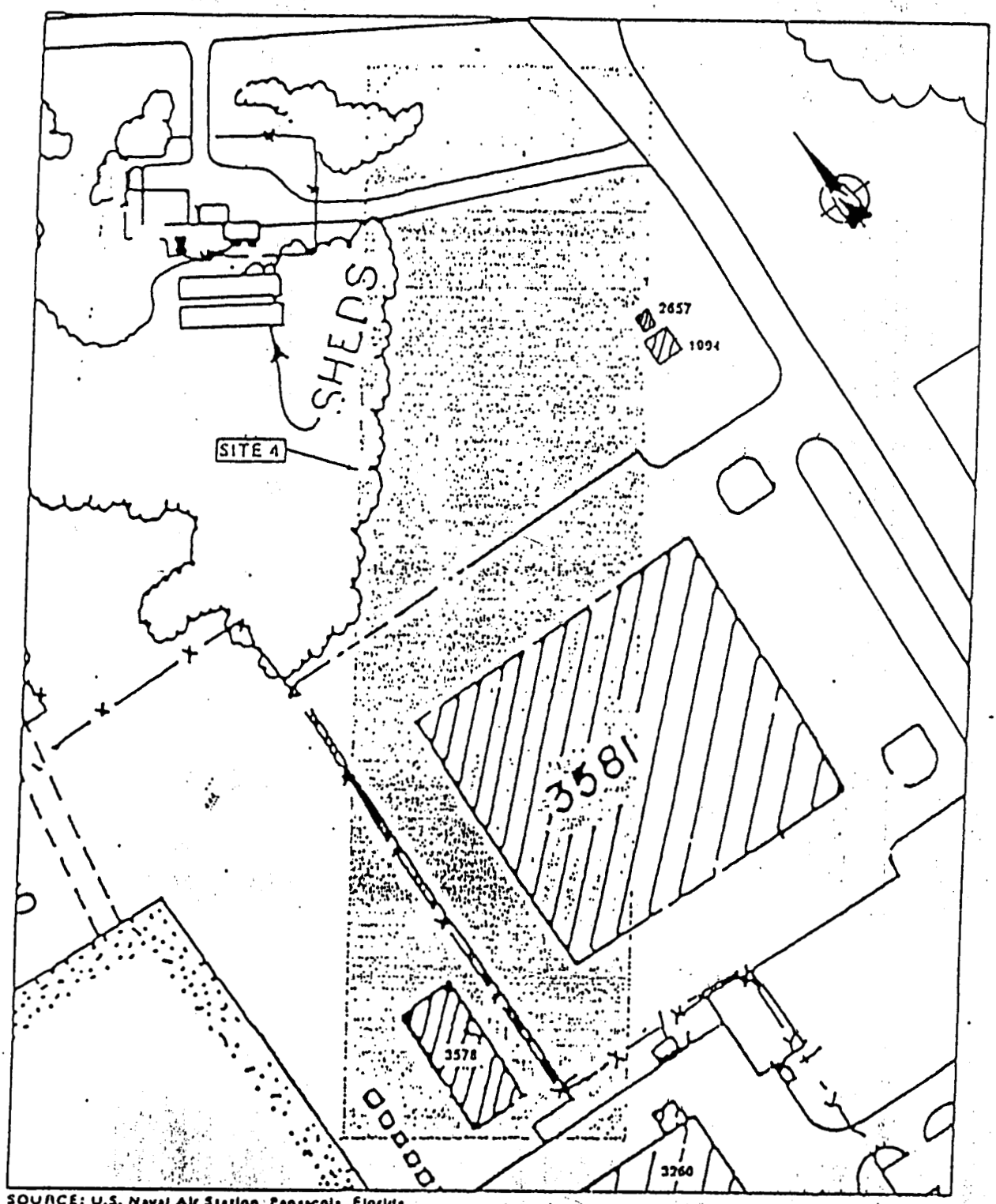
KEY:

- Existing Monitoring Well
- Burn Areas
- Possible Former Burn Areas
- Storm Drain Catch Basin

SCALE 0 200 400 600 800 FEET

Figure 2–2 SITE MAP NAS PENSACOLA, SITES 3

Contaminates: Gasoline, Jet Fuel, Lube Oils



SOURCE: U.S. Naval Air Station, Pensacola, Florida.

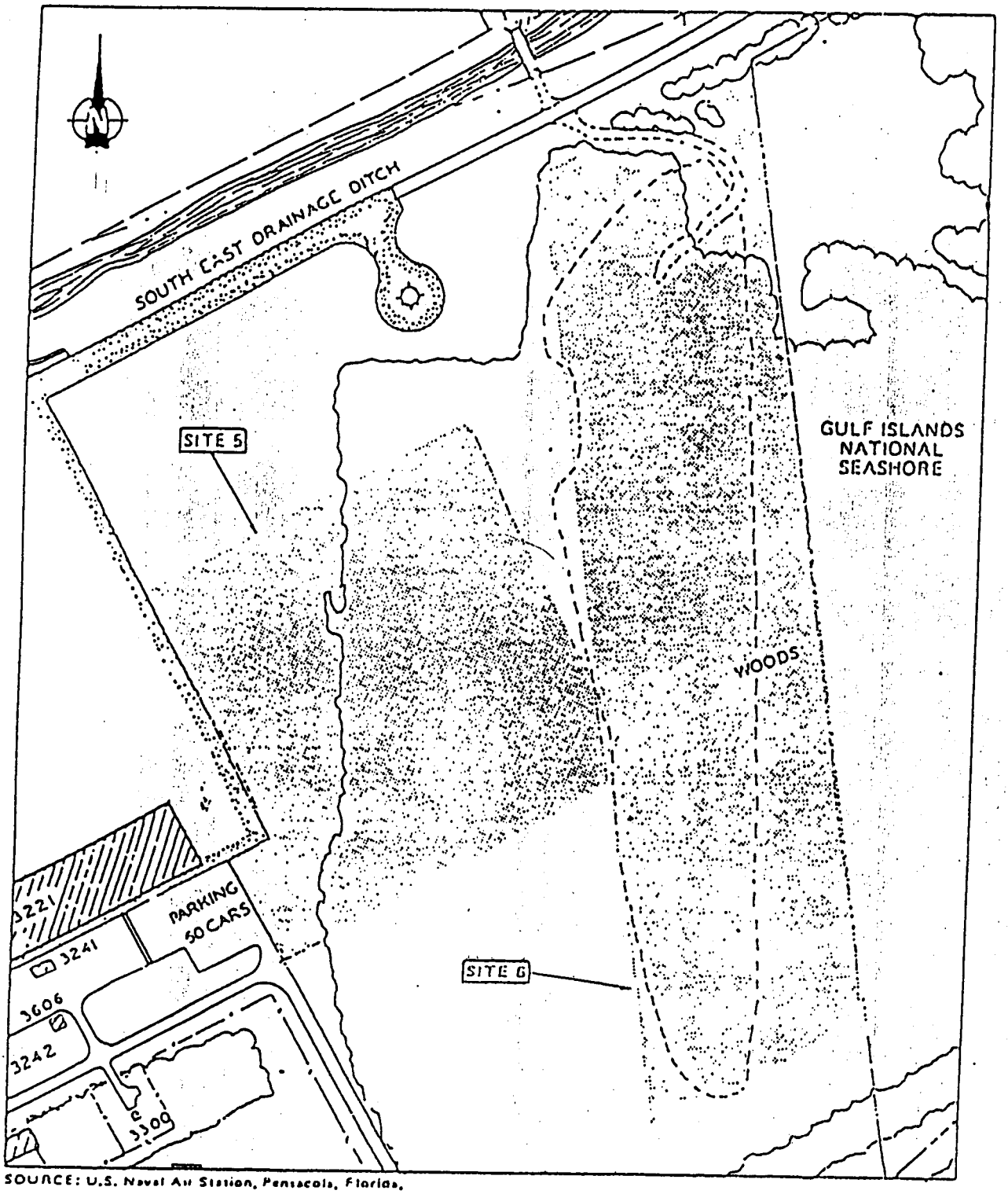
SCALE

0 50 100 200 FEET

KEY: Building

Figure 2-2 SITE MAP — NAS PENSACOLA SITE 4

Contaminates: Building Debris



SOURCE: U.S. Naval Air Station, Pensacola, Florida.

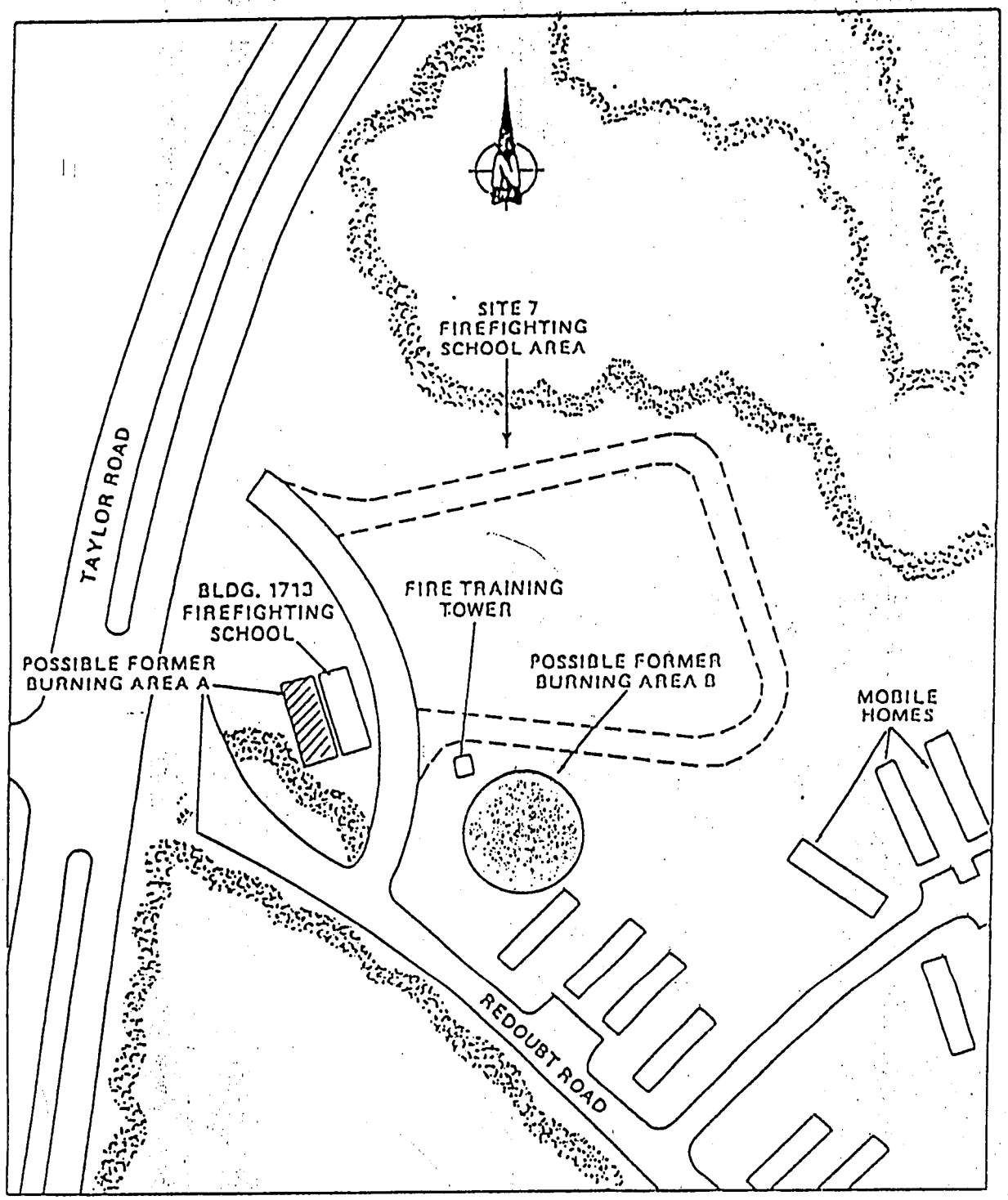
SCALE

0 250 500 FEET

KEY: Building

Figure 2-3 SITE MAP — NAS PENSACOLA SITES 5 AND 6

5 Contaminates: Unknown
6 Contaminates: Building Debris



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1988

SCALE
0 50 100 150 200 FEET

Figure 2–2 SITE MAP – NAS PENSACOLA SITE 7

Contaminates: Fuel And Oils

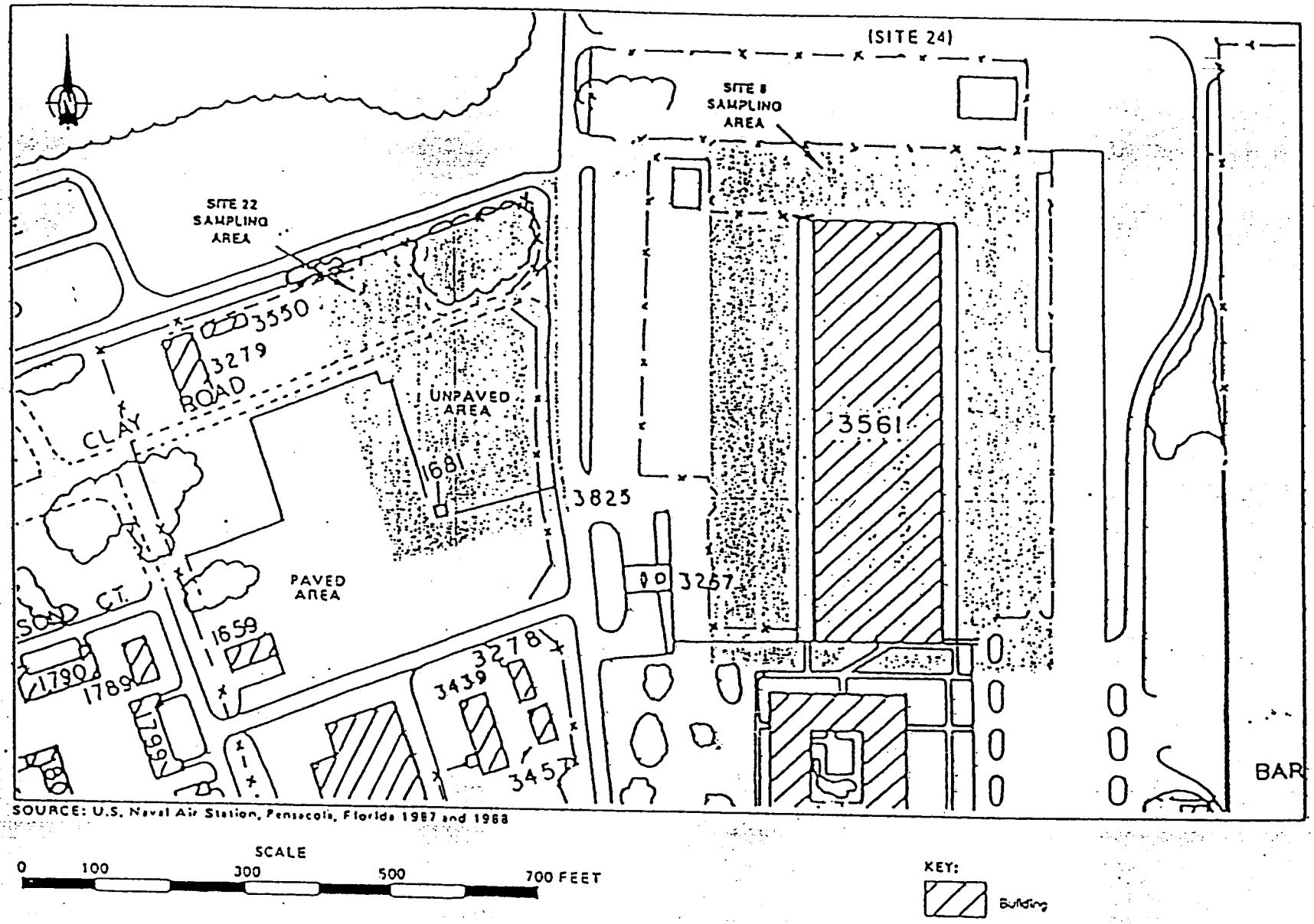
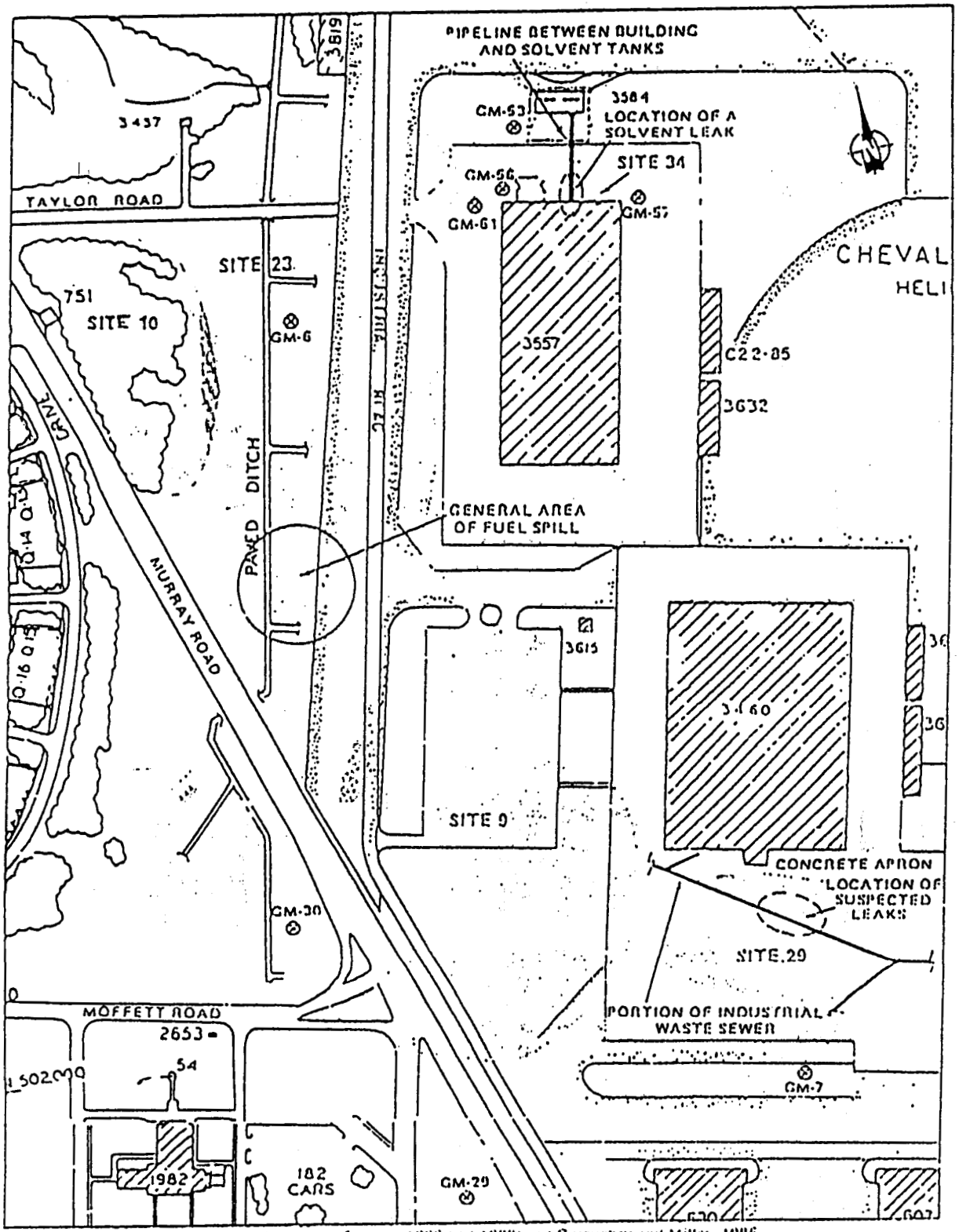


Figure 2-2 SITE MAP — NAS PENSACOLA SITES 8 AND 22

8 Contaminates: Solid Waste
22 Contaminates: Gasoline And Jet Fuels



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1986 and 1988; and Geraghty and Miller, 1986.

SCALE

0 200 400 600 800 FEET

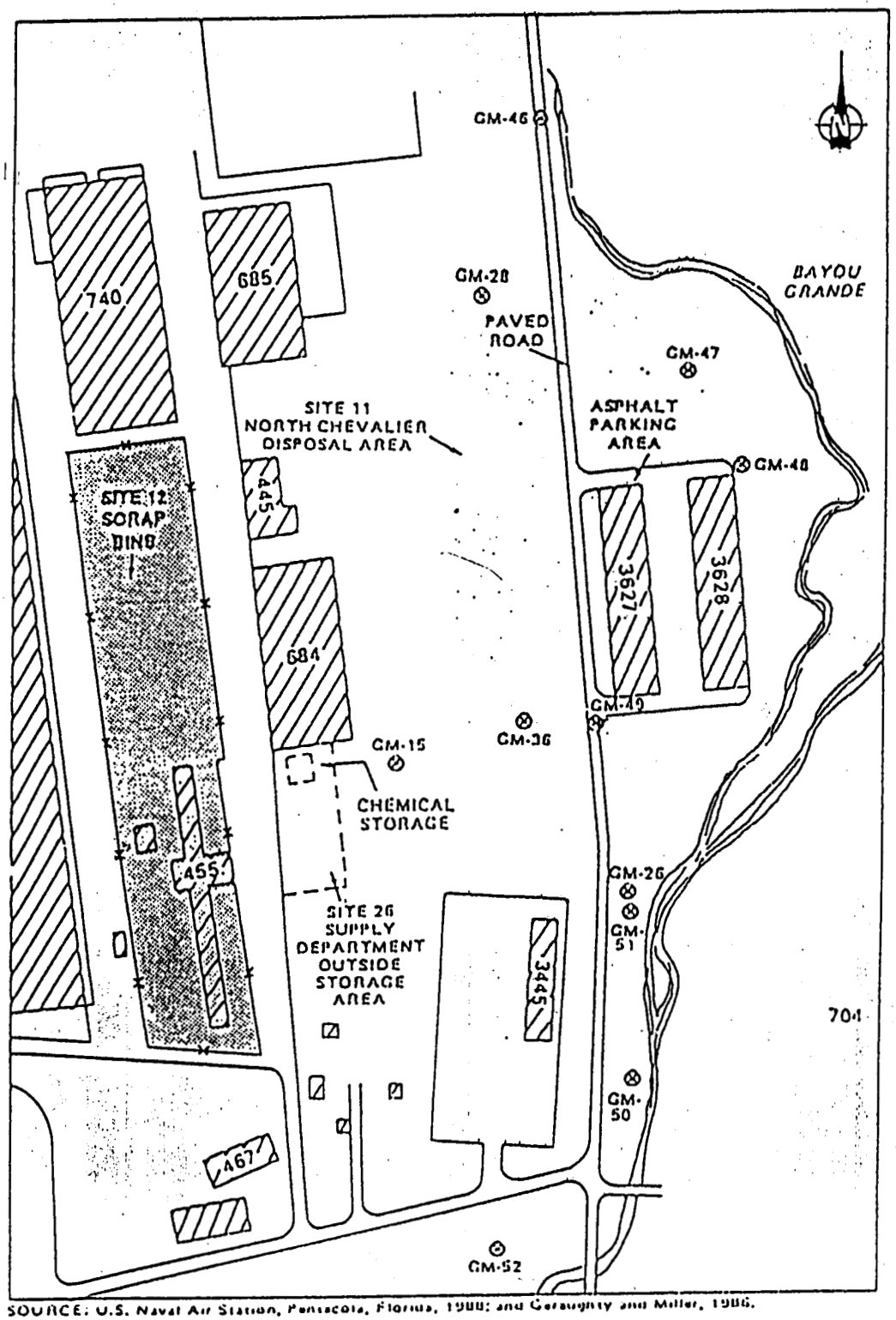
KEY:

⊗ Existing Monitoring Well

Building

9	Contaminates:	Solid Waste
10	Contaminates:	Wood Timbers
29	Contaminates:	Possibly Industrial Wastes
34	Contaminates:	Cleaning Solvent

Figure 2–2 SITE MAP – NAS PENSACOLA SITES 9, 10, 29, AND 34



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1988; and Geraughty and Miller, 1986.

SCALE

0 100 200 400 600 FEET

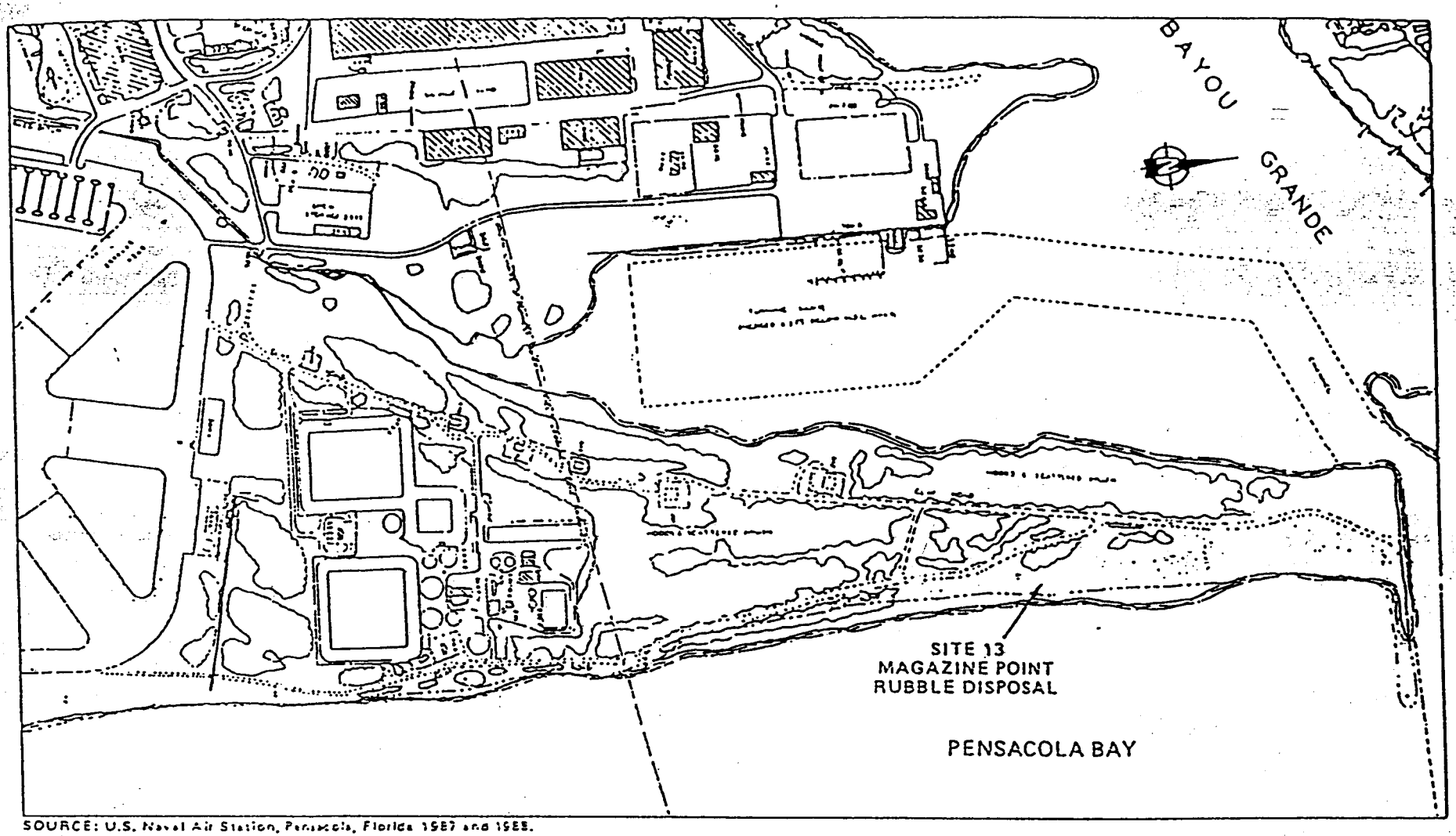
KEY:

⊗ Existing Monitoring Well

Building

11	Contaminates:	Industrial Wastes
12	Contaminates:	Garbage
26	Contaminates:	Industrial Wastes

Figure 2—2 SITE MAP - NAS PENSACOLA SITES 11, 12, AND 26

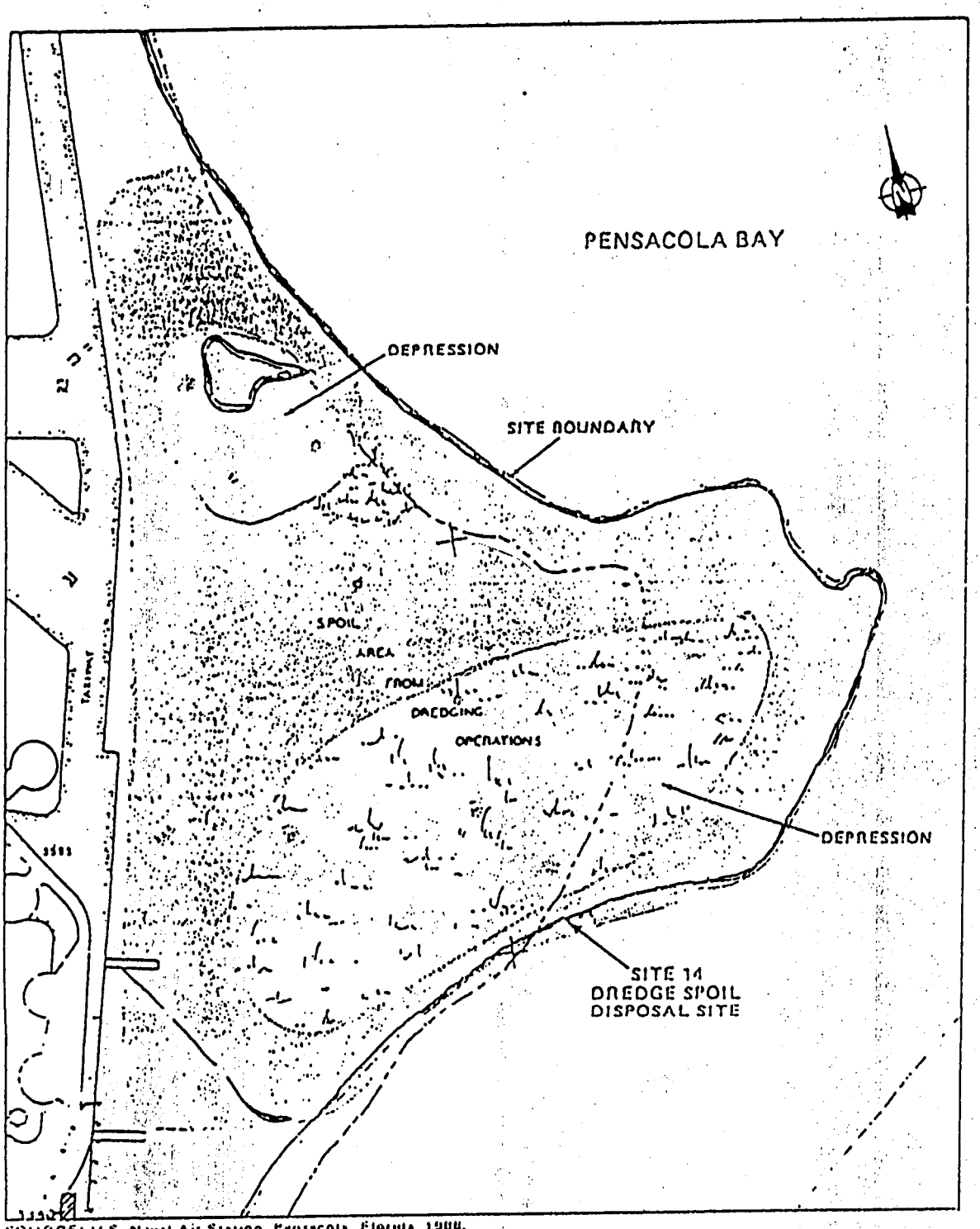


SOURCE: U.S. Naval Air Station, Pensacola, Florida 1987 and 1988.

SCALE
0 200 400 600 800 1000 FEET

Figure 2–2 SITE MAP — NAS PENSACOLA SITE 13

Contaminates: Construction Debris



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1988.

SCALE

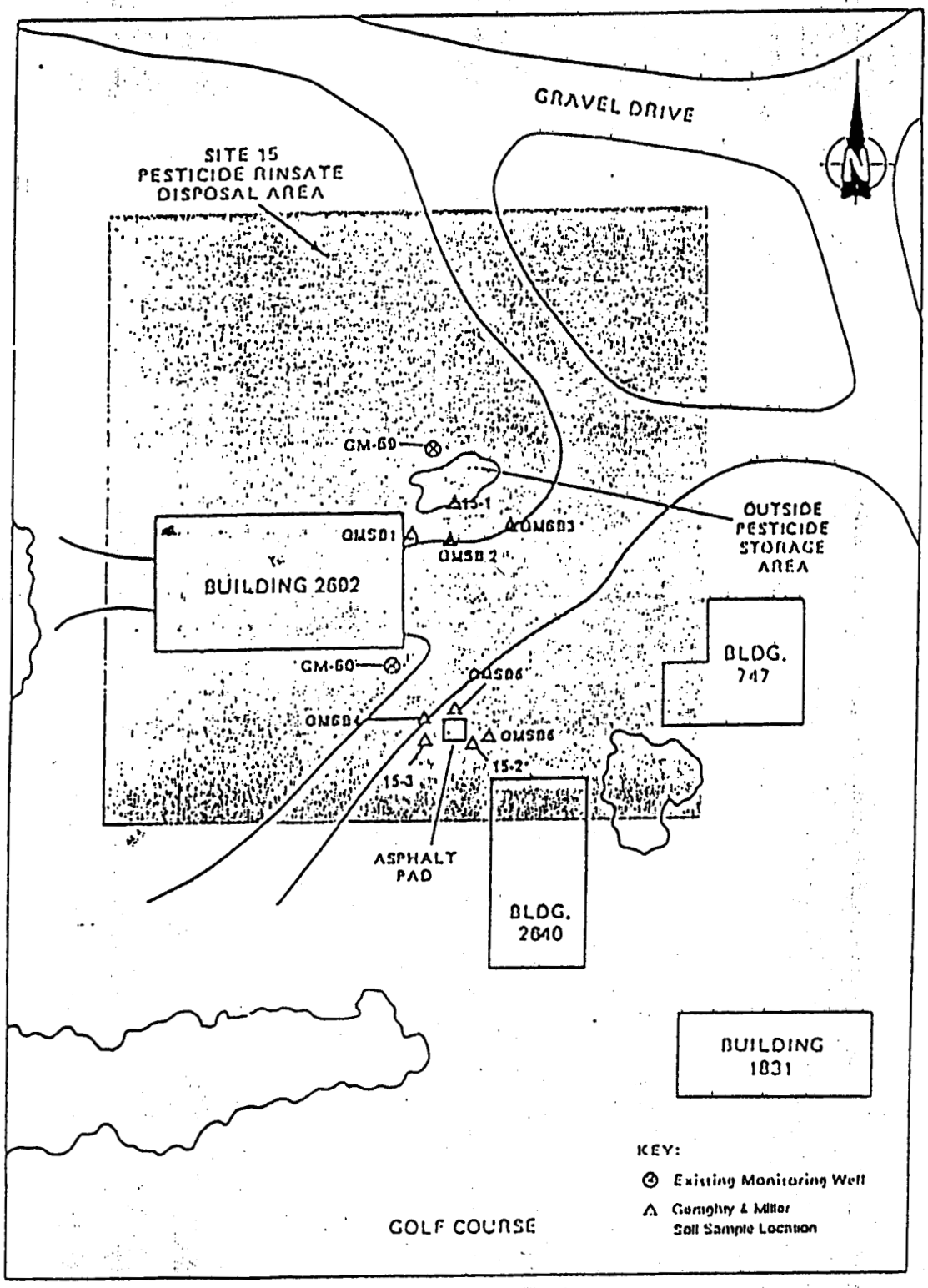
0 200 400 600 800 FEET

KEY:

Grasses

Figure 2–3 SITE MAP – NAS PENSACOLA SITE 14

Contaminates: Dredge Spoil

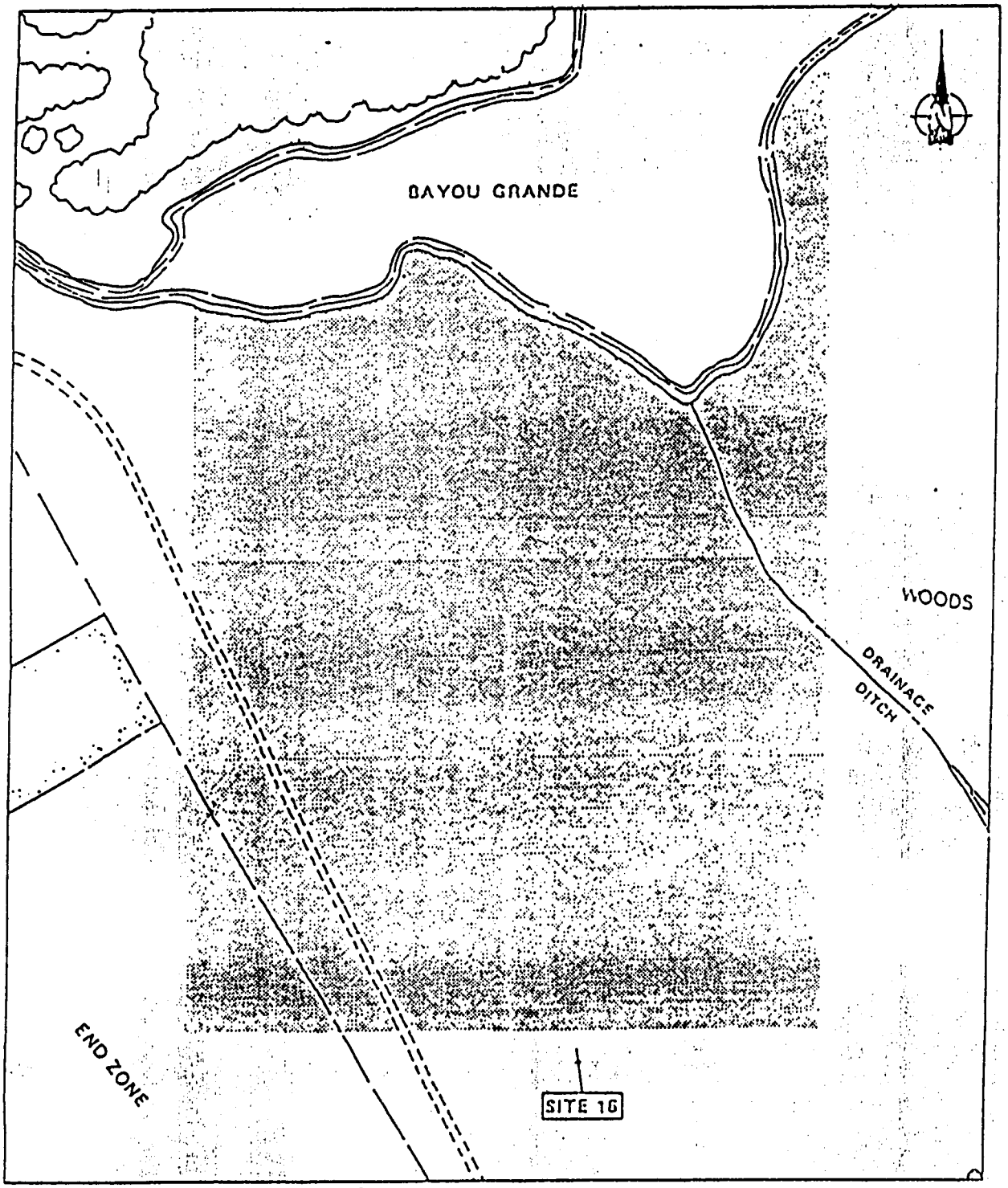


SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1986; Geraghty and Miller 1988

SCALE
0 50 100 200 300 FEET

Figure 2–2 SITE MAP – NAS PENSACOLA SITE 15

Contaminates: Pesticides



SOURCE: U.S. Naval Air Station, Pensacola, Florida.

SCALE

0 250 500 FEET

KEY:

Building

Figure 2-4 SITE MAP — NAS PENSACOLA SITE 16

Contaminates: Brush And Tree Trimmings

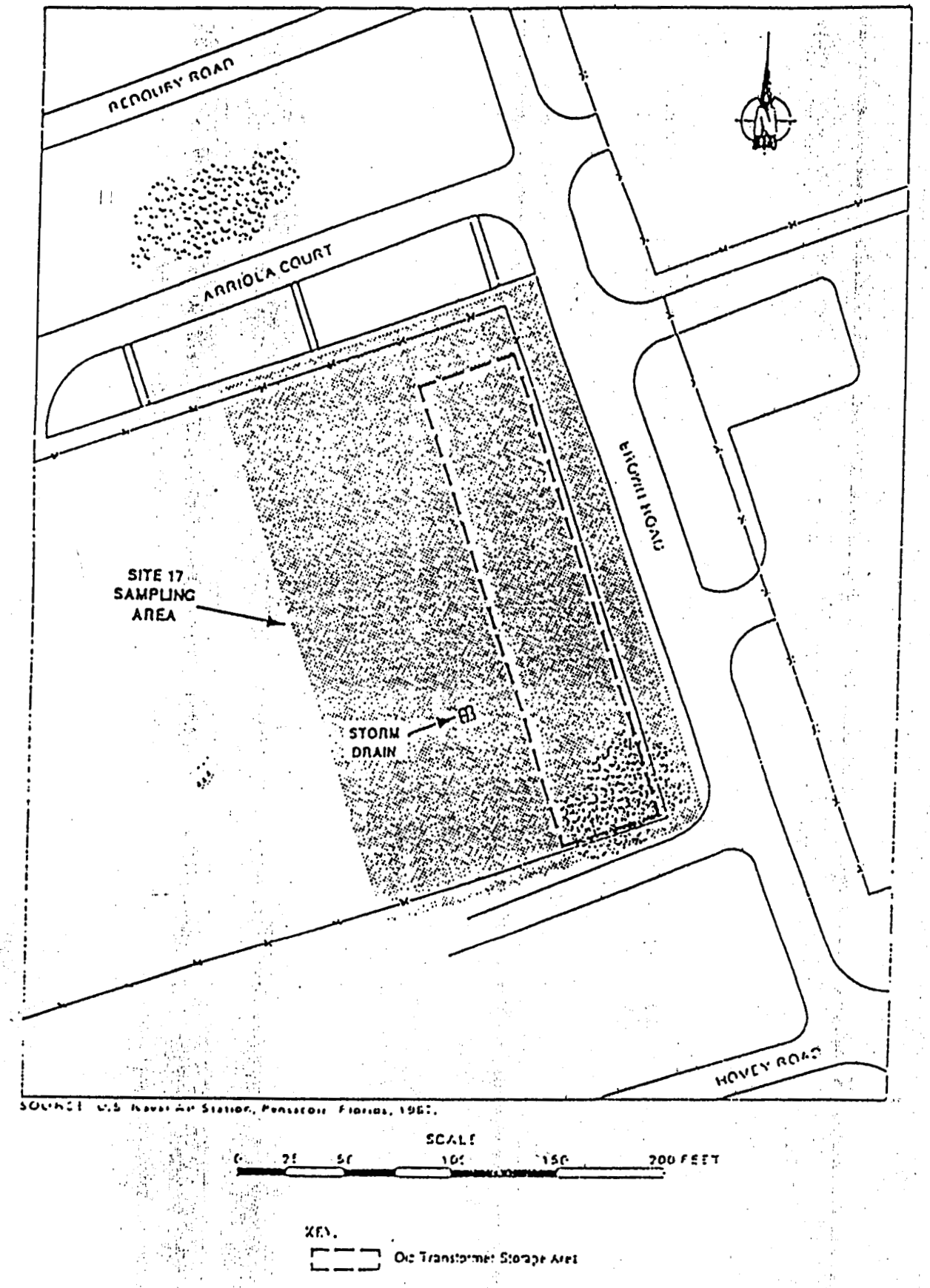


Figure 2-2 SITE MAP — NAS PENSACOLA SITE 17

Contaminates: PCBs

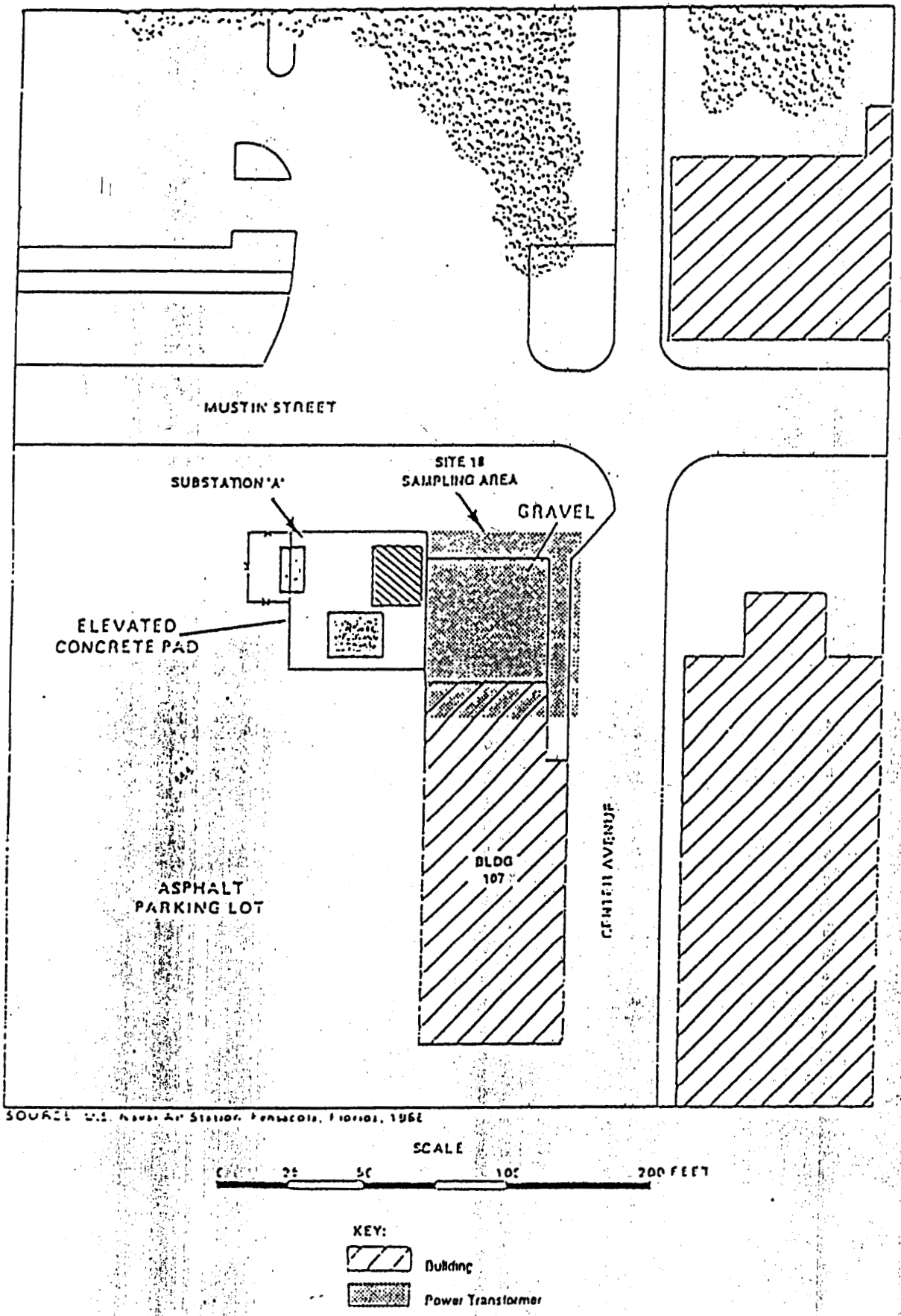


Figure 2-3 SITE MAP — NAS PENSACOLA SITE 18

Contaminates: PCBs

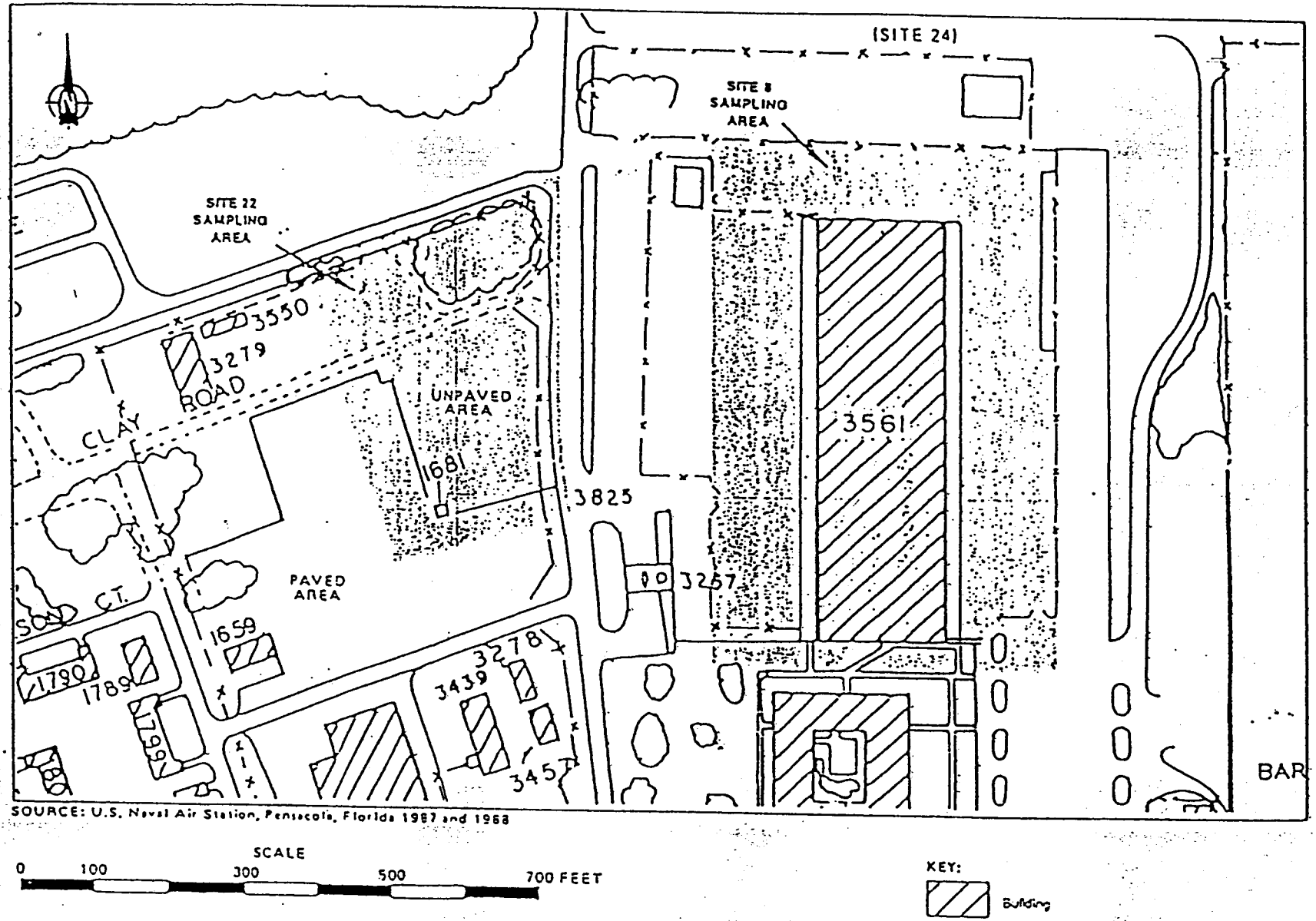
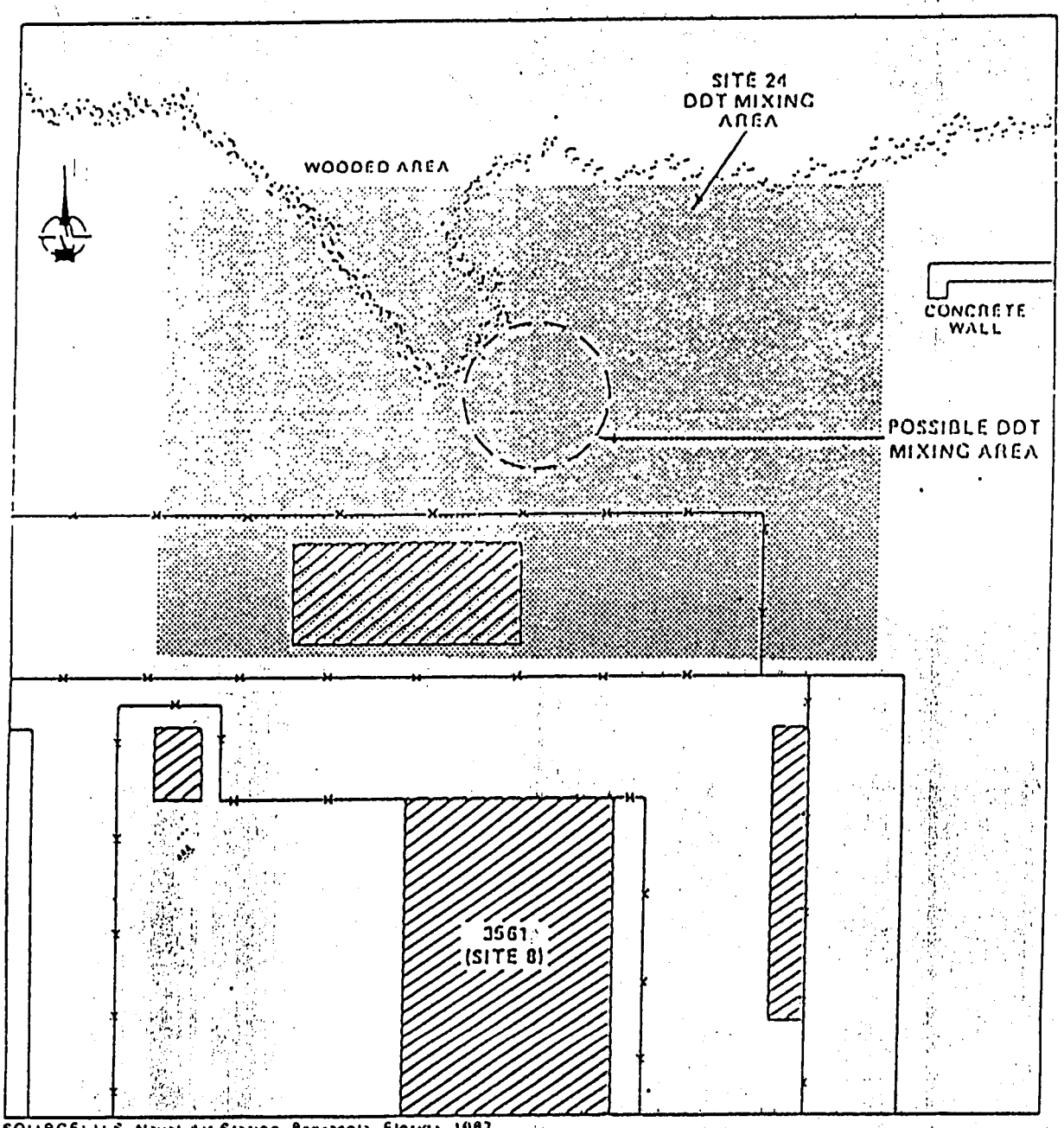


Figure 2-2 SITE MAP — NAS PENSACOLA SITES 8 AND 22

8 Contaminates: Solid Waste
22 Contaminates: Gasoline And Jet Fuels



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1987.

SCALE

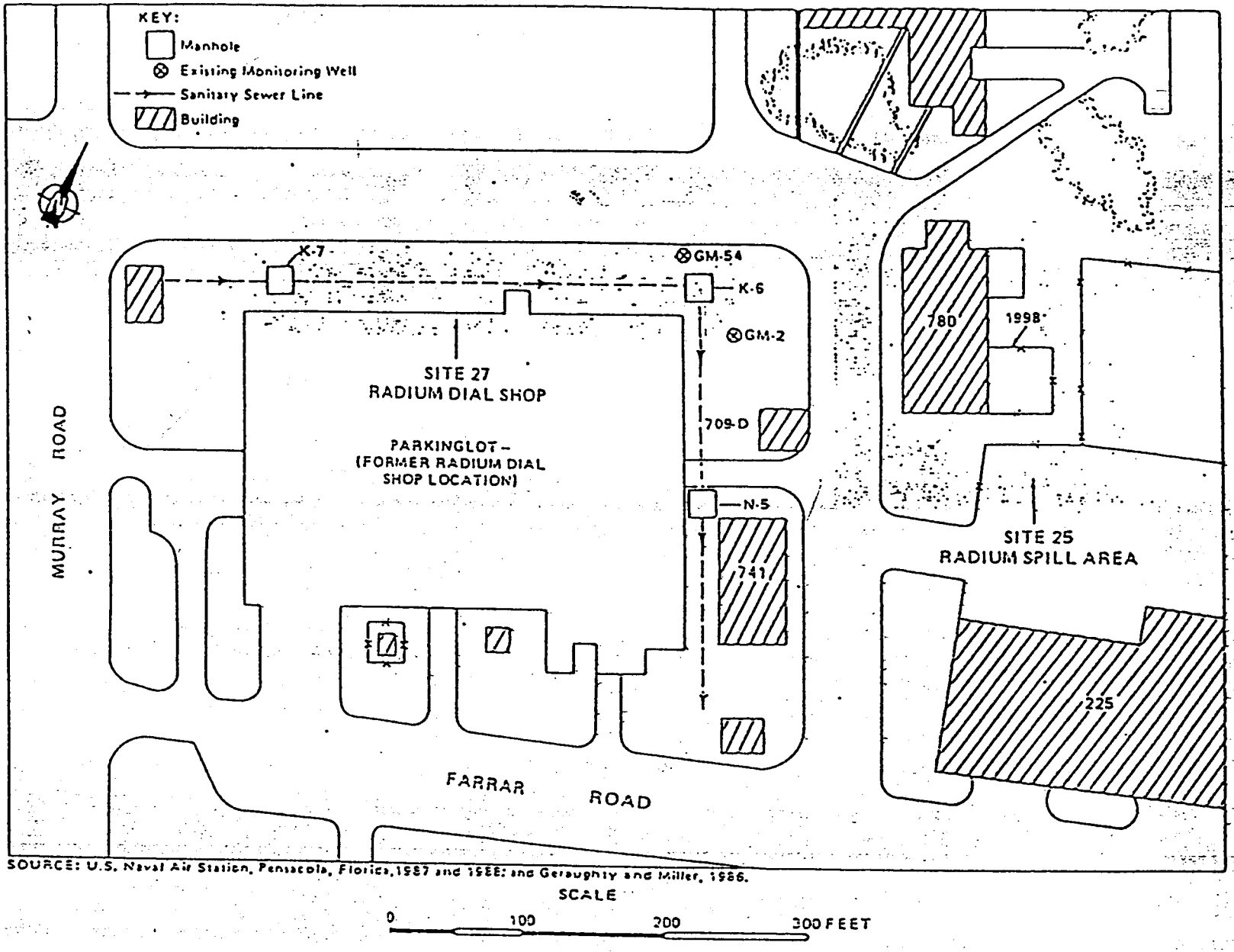
0 50 100 200 300 FEET

KEY:

Building

Figure 2–3 SITE MAP – NAS PENSACOLA SITE 24

24 Contaminates: Fuel Oil And DDT

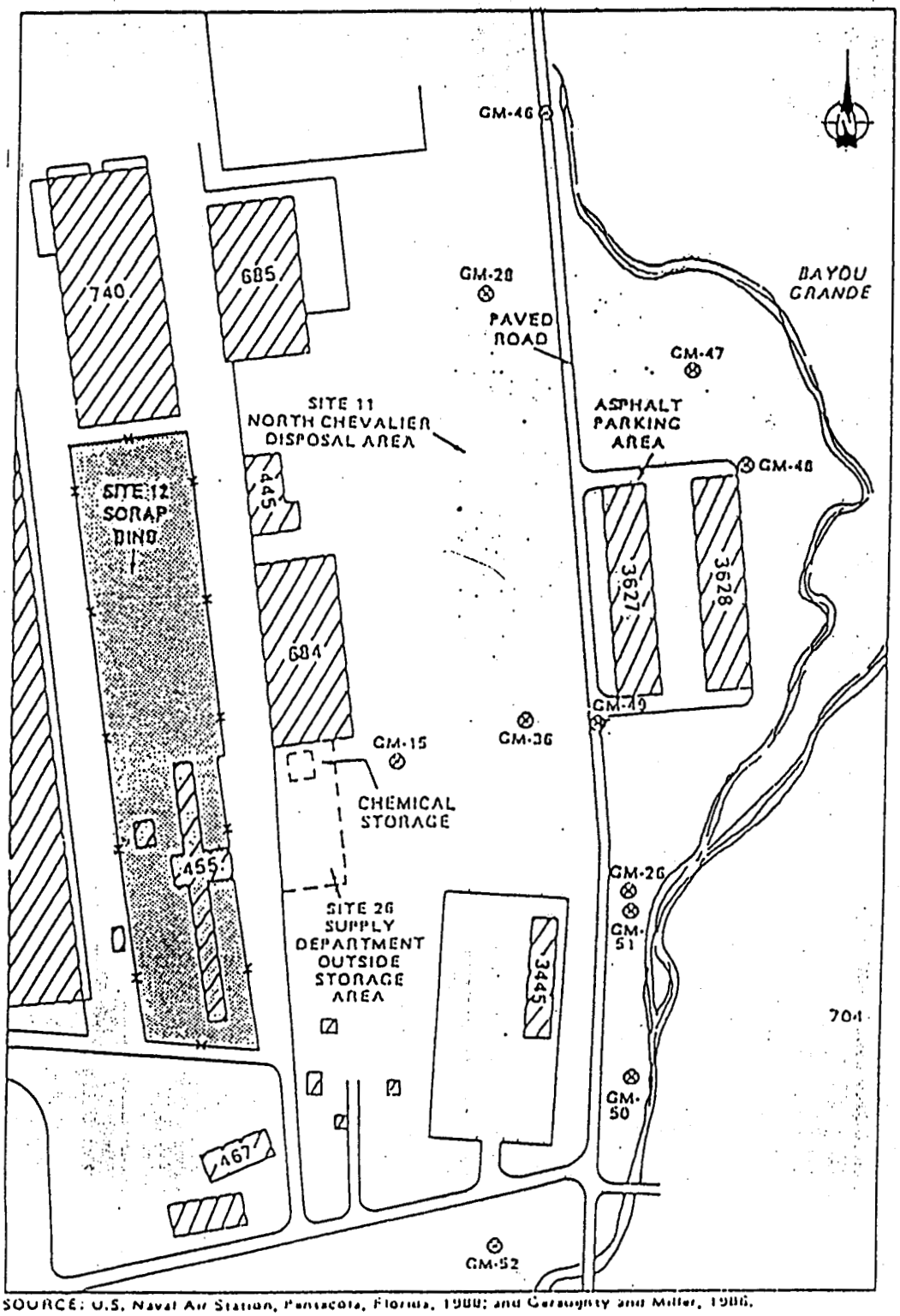


SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1987 and 1988; and Geraughty and Miller, 1986.

Figure 2-2 SITE MAP, NAS PENSACOLA SITES 25 AND 27

25 Contaminates: Radium

27 Contaminates: Cleaning Solvents, Acids, Caustics, Radium Solutions



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1988; and Geraghty and Miller, 1986.

SCALE

0 100 200 400 600 FEET

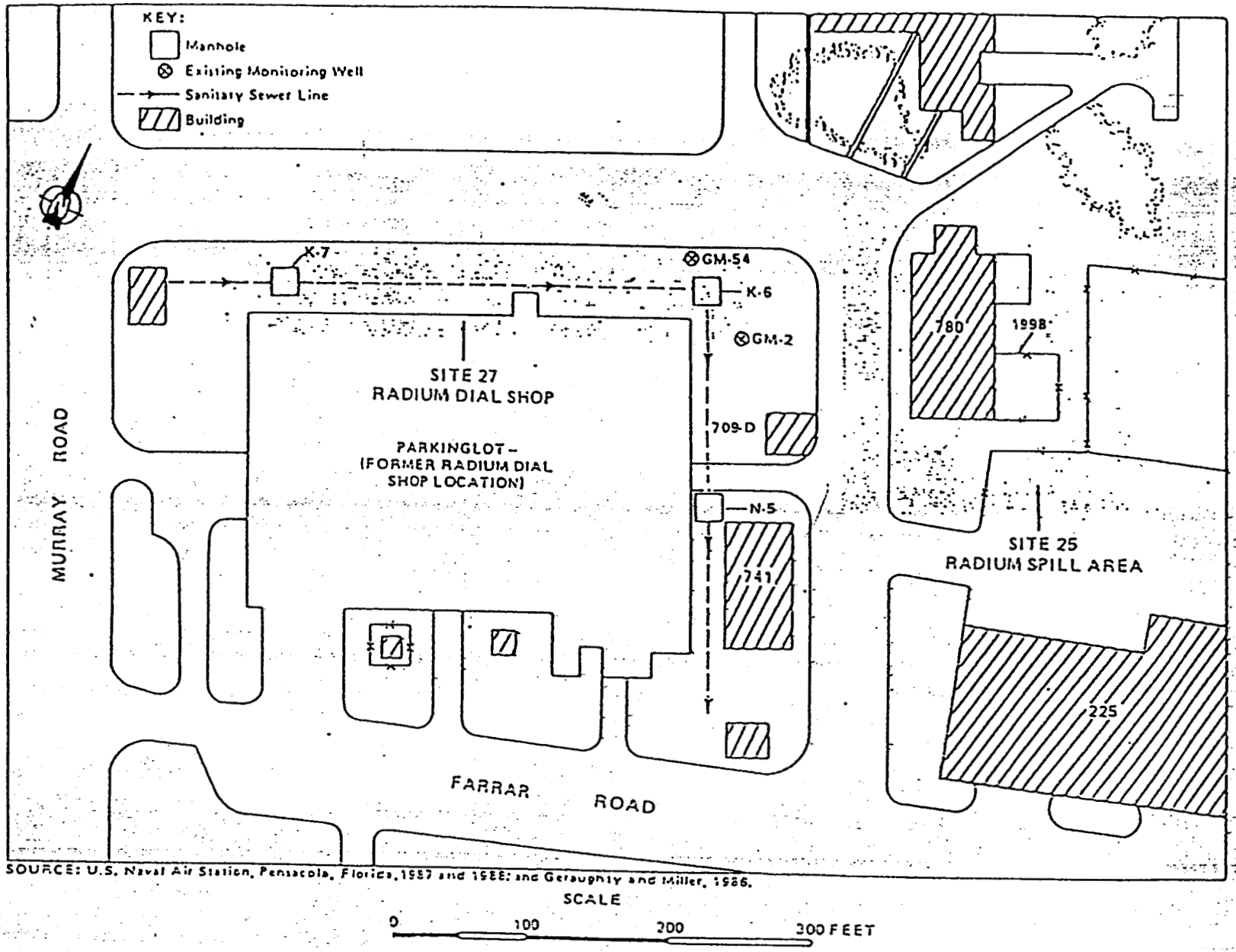
KEY:

⊗ Existing Monitoring Well

Building

11	Contaminates:	Industrial Wastes
12	Contaminates:	Garbage
26	Contaminates:	Industrial Wastes

Figure 2–2 SITE MAP - NAS PENSACOLA SITES 11, 12, AND 26



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1987 and 1988; and Geraughty and Miller, 1986.

Figure 2-2 SITE MAP, NAS PENSACOLA SITES 25 AND 27

25 Contaminates: Radium

27 Contaminates: Cleaning Solvents, Acids, Caustics, Radium Solutions

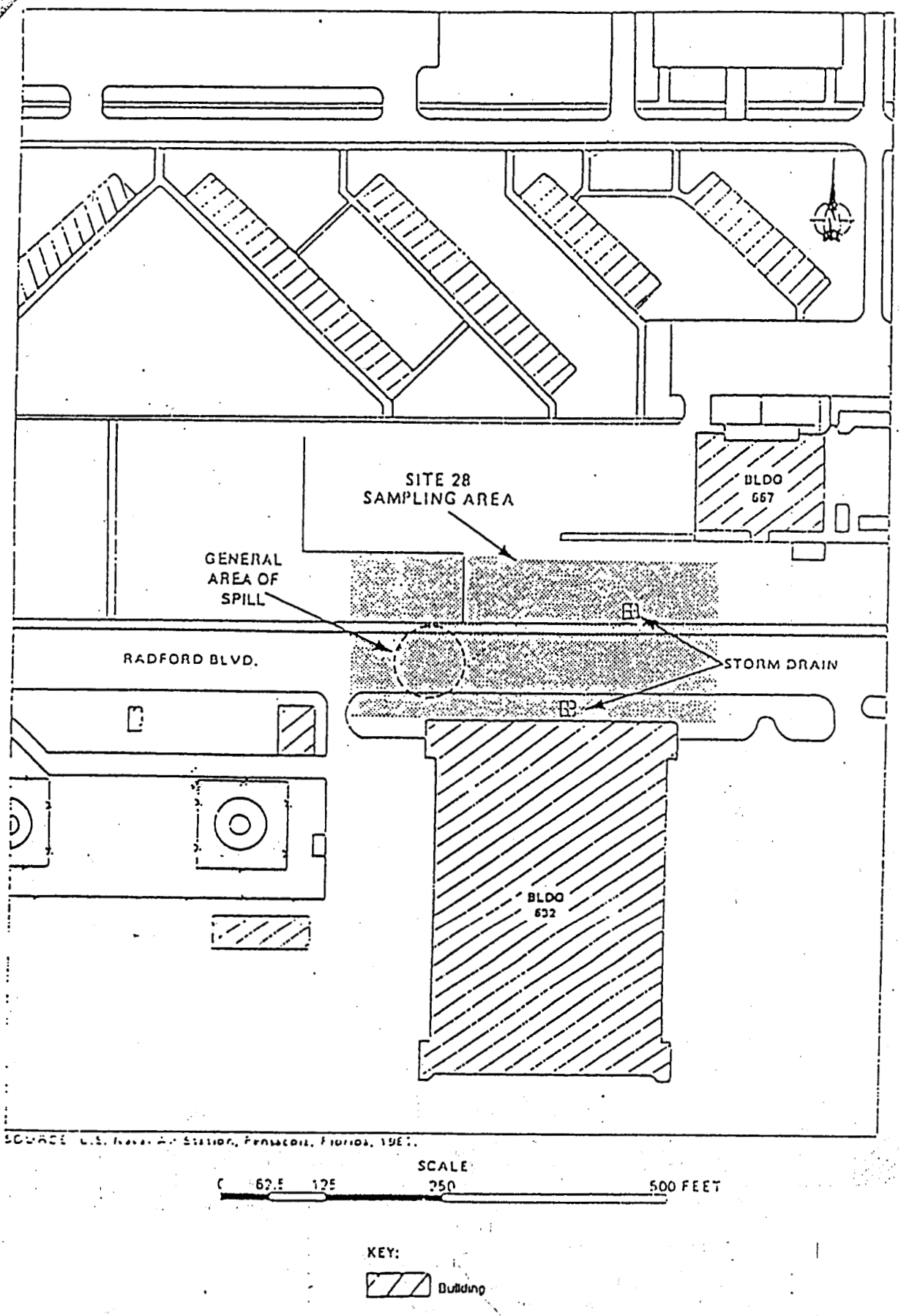
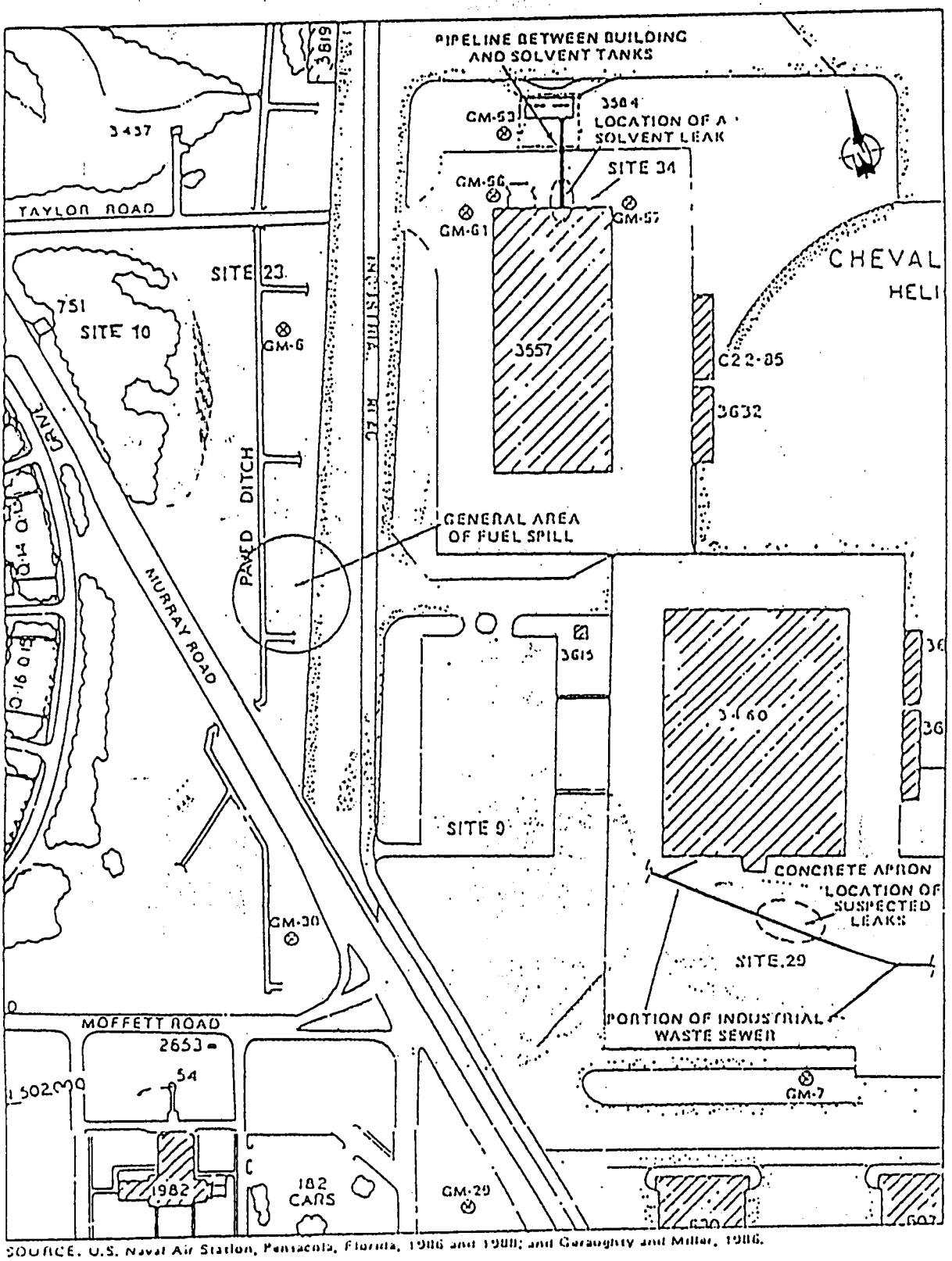


Figure 2-4 SITE MAP — NAS PENSACOLA SITE 28

Contaminates: PCBs



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1986 and 1988; and Geraghty and Miller, 1986.

SCALE

0 200 400 600 800 FEET

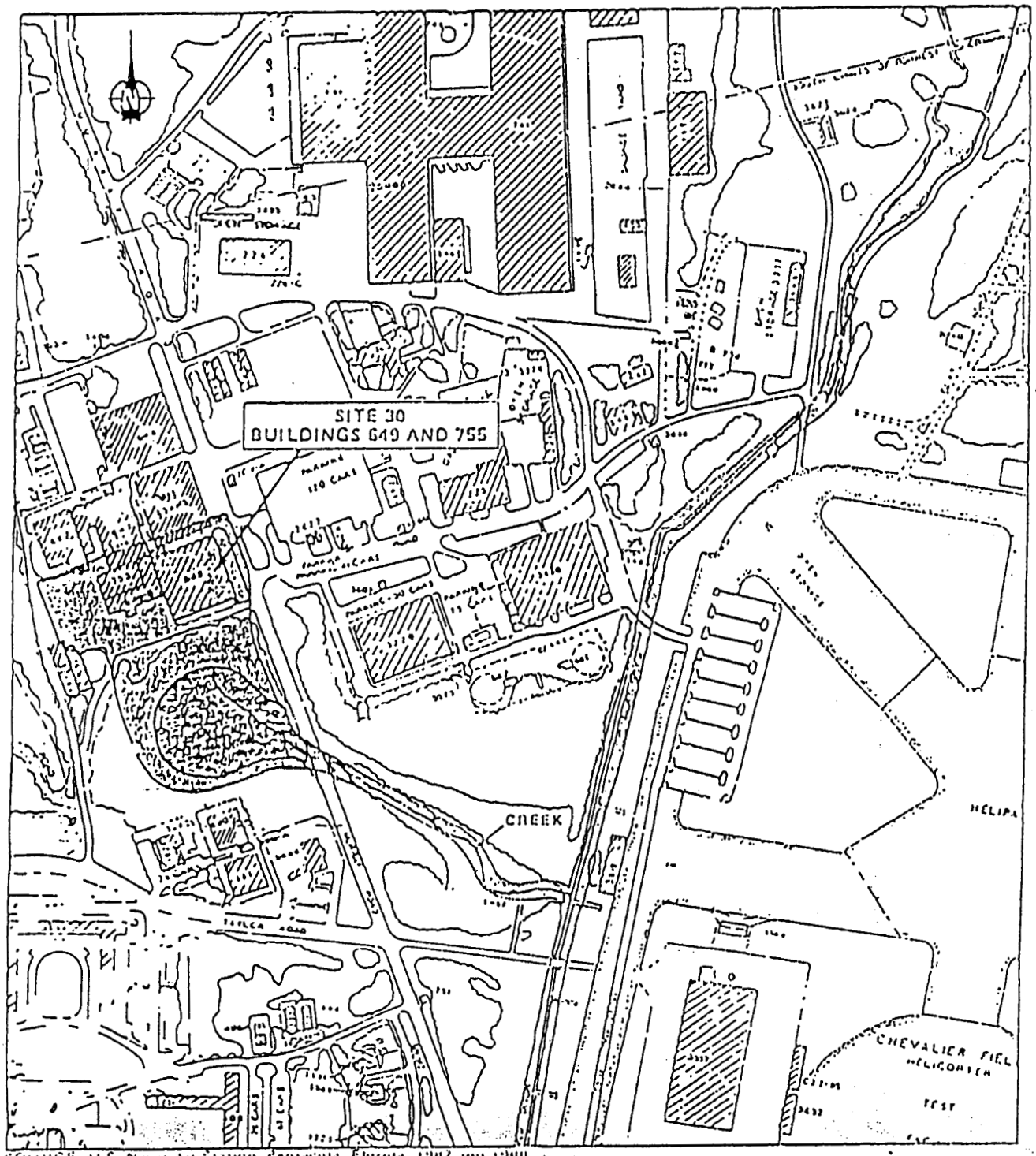
KEY:

⊗ Existing Monitoring Well

Building

9	Contaminates:	Solid Waste
10	Contaminates:	Wood Timbers
29	Contaminates:	Possibly Industrial Wastes
34	Contaminates:	Cleaning Solvent

Figure 2–2 SITE MAP – NAS PENSACOLA SITES 9, 10, 29, AND 34



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1987 and 1988.

SCALE

0 200 400 600 800 FEET

KEY:

Site 30 Area

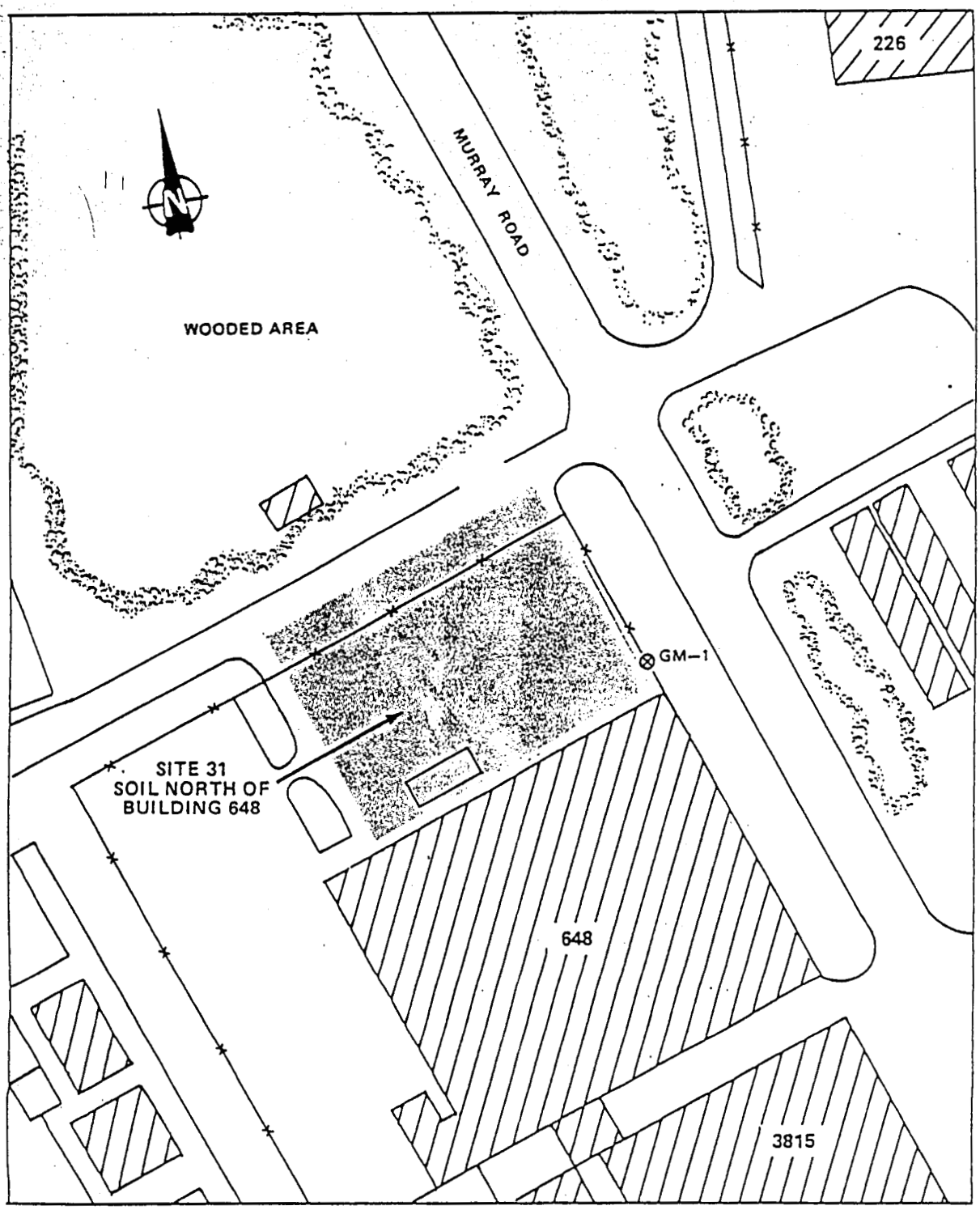
Swamp Area

Figure 2–2. SITE MAP – NAS PENSACOLA SITE 30 AND CREEK

Contaminates: Plating Bath Solvents

recycled paper

energy and environment



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1987; Geraghty and Miller 1984, 1986

SCALE

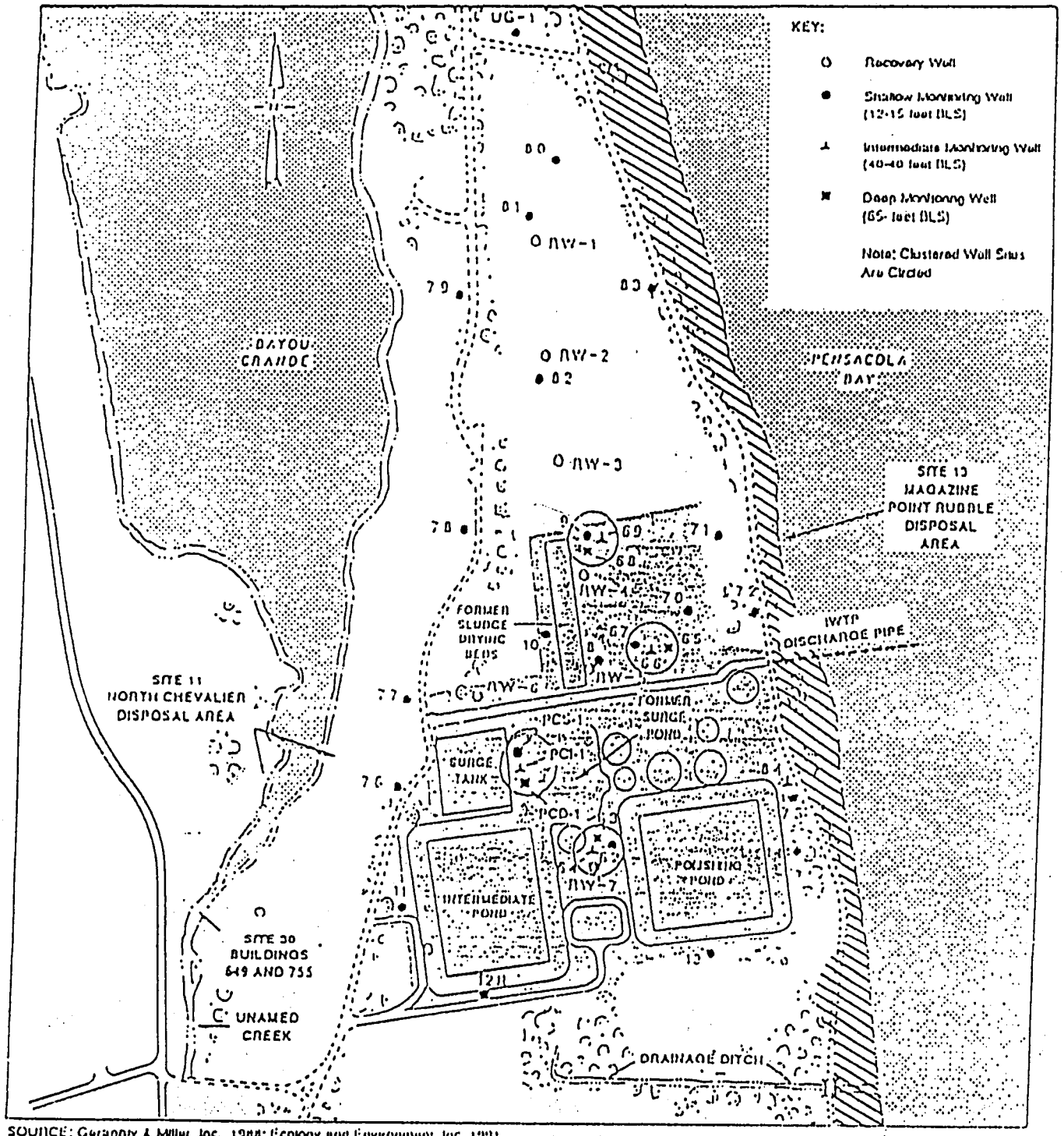
0 50 100 200 300 FEET

KEY:

Building

Existing Monitoring Well

Figure 2–2 SITE MAP - NAS PENSACOLA SITE 31



SOURCE: Geraghty & Miller, Inc., 1988; Ecology and Environment, Inc. 1991

SCALE

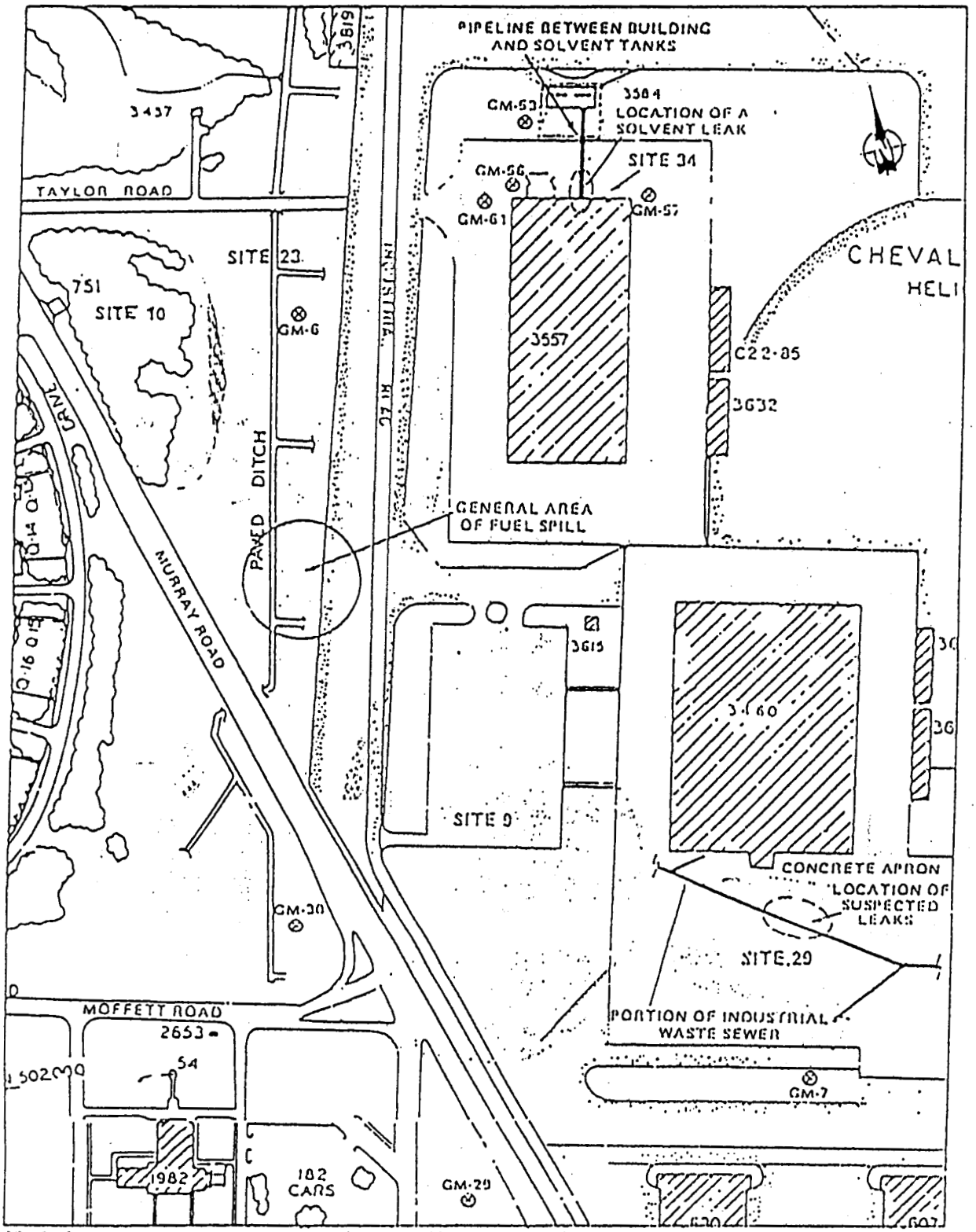
0 300 600 FEET

Shaded area Encompasses Sites 32, 33, and 35

IWTP Industrial Wastewater Treatment Plant

Figure 2-2 SITE MAP — NAS PENSACOLA, SITES 32, 33, AND 35

32 Contaminates: Industrial Treatment Plant Sludges
33 Contaminates: Wastewater Stream To Polishing Pond
35 Contaminates: Industrial Wastewater



SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1986 and 1988; and Geraghty and Miller, 1986.

SCALE

0 200 400 600 800 FEET

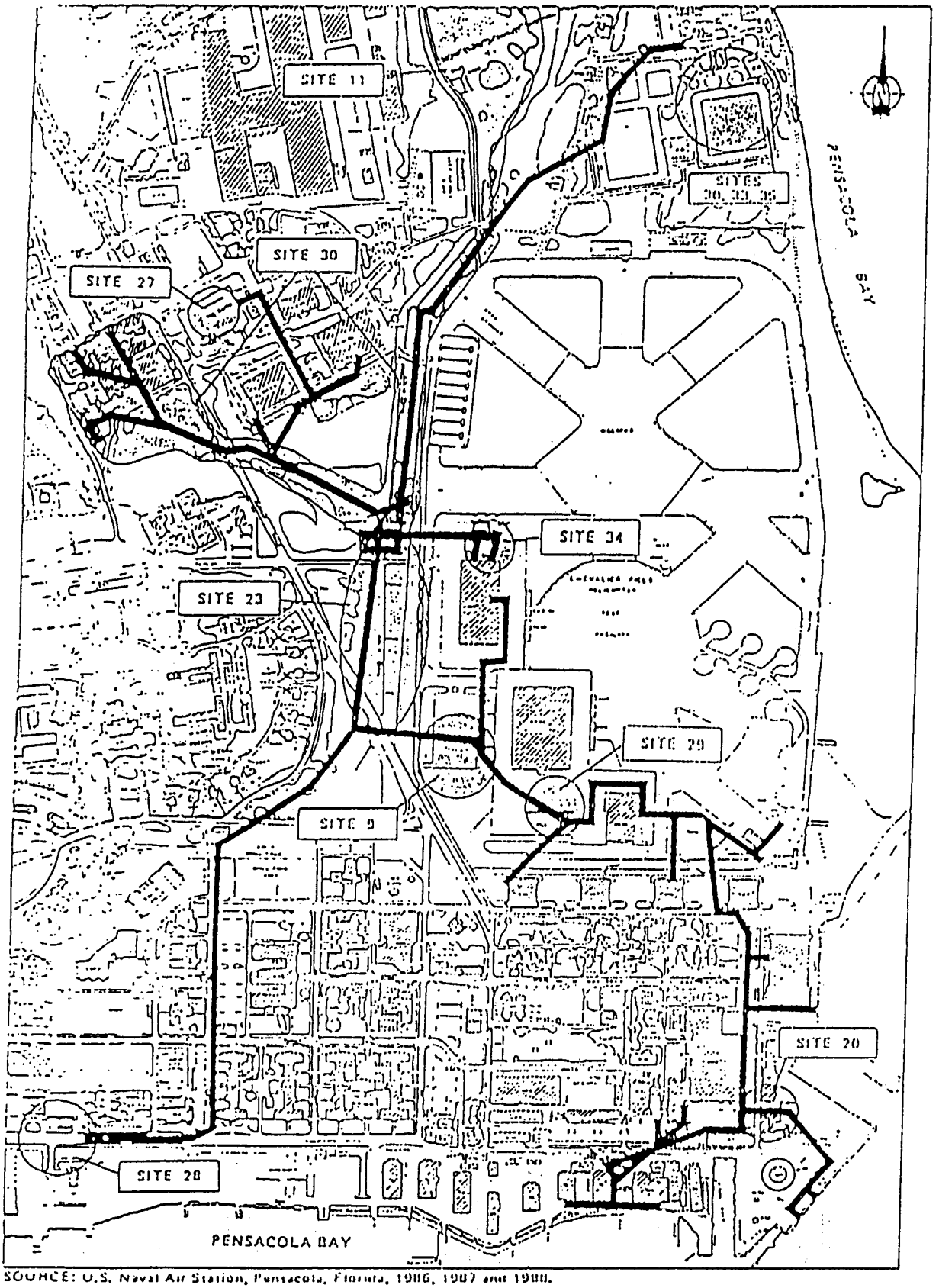
KEY:

⊗ Existing Monitoring Well

Building

9	Contaminates:	Solid Waste
10	Contaminates:	Wood Timbers
29	Contaminates:	Possibly Industrial Wastes
34	Contaminates:	Cleaning Solvent

Figure 2–2 SITE MAP – NAS PENSACOLA SITES 9, 10, 29, AND 34



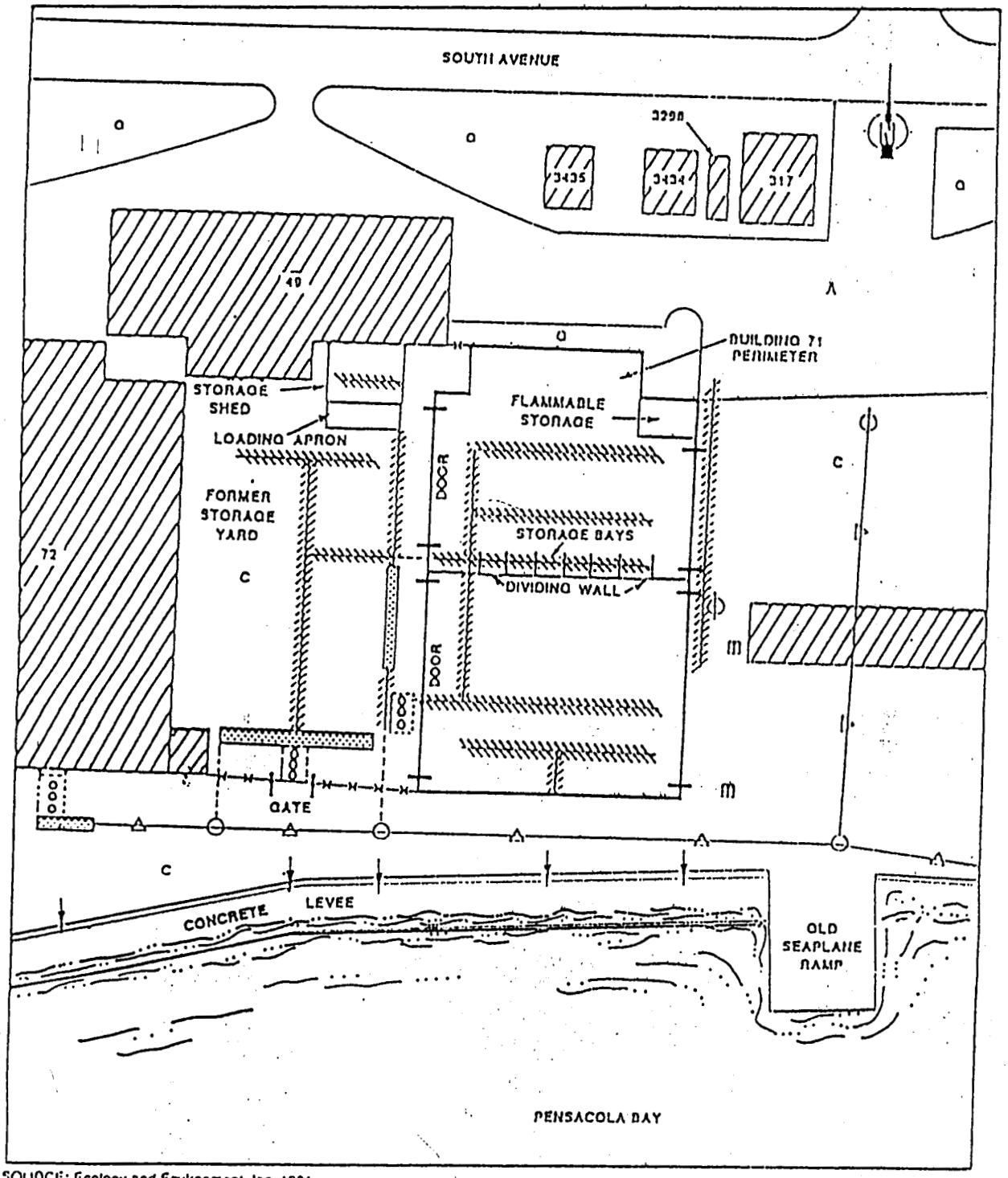
SOURCE: U.S. Naval Air Station, Pensacola, Florida, 1986, 1987 and 1988.

SCALE

0 250 500 1000 2000 FEET

Figure 2–2 SITE MAP – NAS PENSACOLA SITE 36

Contaminates: Industrial Wastewater



SOURCE: Ecology and Environment, Inc., 1991

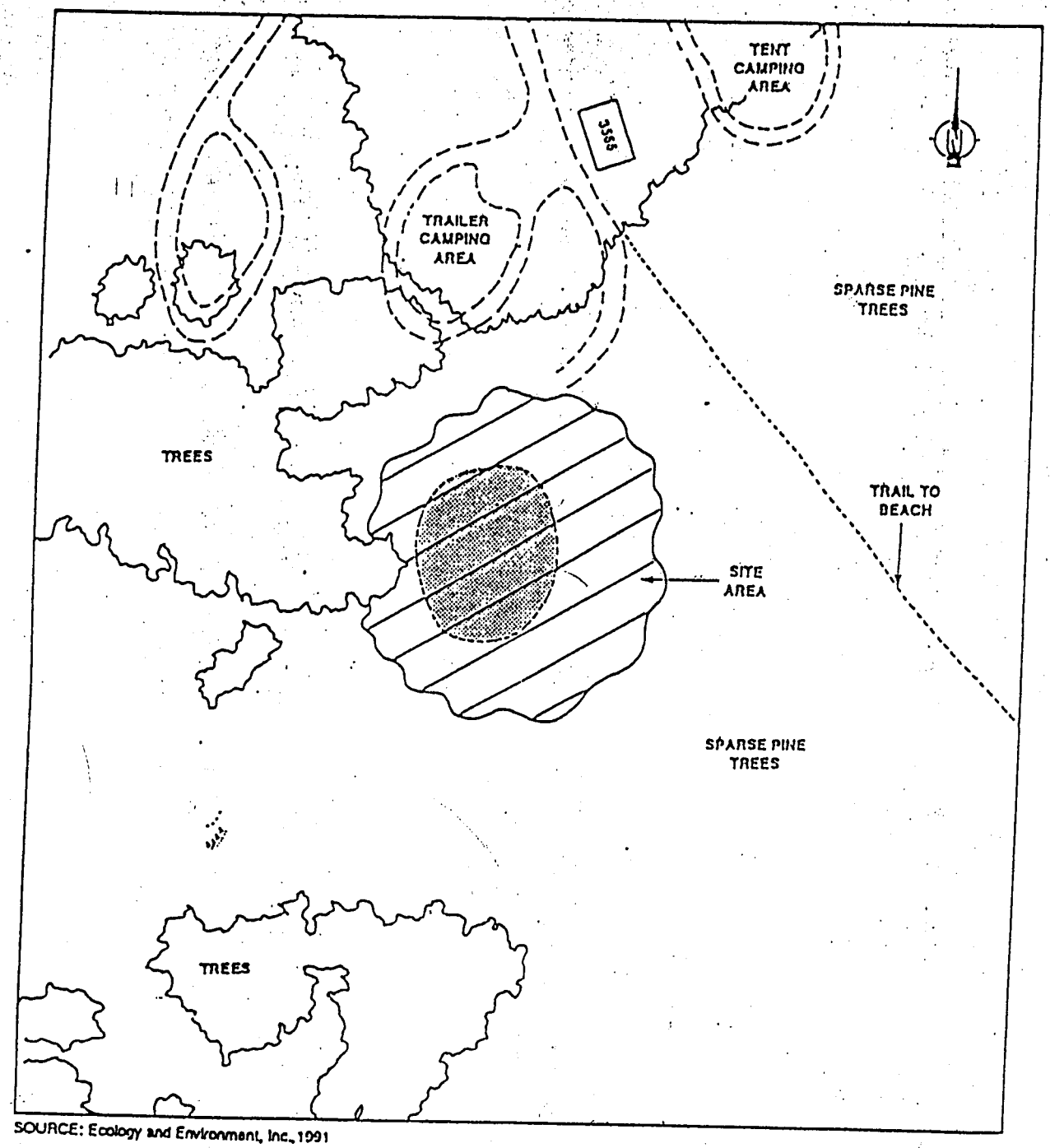
SCALE 0 50 100 FEET

KEY:

- Grated Drainage System (dashed where below surface)
- Fence
- Building
- Industrial Waste Sewer Line
- Sediment Trap
- Sediment Trench
- Drainage Outfall
- Drainage Grate
- Manhole Cover
- Storage Bays
- C Concrete Surface
- A Asphalt Surface
- G Grass Surface

Figure 2-2 SITE MAP – NAS PENSACOLA SITE 38

Contaminates: Solvents, Paints, PCBs



SOURCE: Ecology and Environment, Inc., 1991

SCALE

0 100 200 FEET

KEY:

3566 Building

Unpaved Road

Area of Scattered Debris

Area of Stained Soils

Figure 2-2 SITE MAP — NAS PENSACOLA SITE 39

Contaminates: Oils And Solvents

Command: **NAS Pensacola**

Data Call Number Thirty Three/Amendments One and Two

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

MAJOR CLAIMANT LEVEL

R. K. U. KIHUNE
NAME

Signature

8 JUN 1994

CNET
Title

Date

CNET
Activity

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

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

P. W. DRONNON
NAME

Signature

ACTING
Title

6/24/94
Date

Encl (2)

NAS PENSACOLA UIC 00204

ADDENDUM 2 TO BRAC-95 DATA CALL 33 CERTIFICATION

(AND REVISION OF 6/3/94, PAGE 8)

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

6 JUN 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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 DATA CALL NUMBER 33 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT USN
NAME (Please type or print)

Signature

COMMANDER
Title

5/17/94
Date

TRAINING AIR WING SIX
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)

P. R. STATSKEY, CAPT, USN
~~W. B. HAYDEN, RADM, USN~~
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

24 MAY 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

ADDENDUM 2 TO BRAC-95 DATA CALL 33 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

R. P. OWEN, CDR, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER, Acting
Title

Date 3 June 1994

NAVAL AIR STATION PENSACOLA
Activity

BRAC-95 DATA CALL NUMBER 33 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."

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

ACTIVITY COMMANDER

W. T. R. BOGLE, CAPT, U.S. NAVY
NAME (Please type or print)

W T R Bogle
Signature

COMMANDING OFFICER
Title

16 MAY 94
Date

NAVAL AIR STATION PENSACOLA
Activity

228

Command: **NAS Pensacola**

Data Call Number Thirty-Three/Amendments One and Two Revisions
(Pages 15, 17, 18, and 19)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

PETobin
Signature

Acting
Title

10/28/94
Date

CNET
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

WEarner
Signature

Title

11/7/94
Date

BRAC 95 DATA CALL 33
NAS PENSACOLA UIC 00204
STATION REV 10/17/94 PGS 15, 17, 18 & 19

BRAC-95 DATA CALL NUMBER 33 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

MICHAEL C. VOGT, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

10/19/94
Date

TRAINING AIR WING SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

25 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 33 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."

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

18 OCT 1994
Date

COMMANDING OFFICER
Title

NAVAL AIR STATION PENSACOLA
Activity

Pages:
15 R (10/17/94)
17 R (10/18/94)
18 R (10/18/94)
19 R (10/18/94)

R

Command: **NAS Pensacola**

Data Call Number Thirty-Three/Amendments One and Two Revision
(Page 5)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

TW Wright
Signature

CNET
Title

12-6-94
Date

CNET
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

WAEarner
Signature

Title

12/14/94
Date

28 NOV

BRAC-95 DATA CALL NUMBER 33 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

MICHAEL C. VOGT, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

11/8/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

WILLIAM B. HAYDEN, RDML, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

22 NOV 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

R

BRAC-95 DATA CALL NUMBER 33 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."

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

11/7/94
Date

NAVAL AIR STATION PENSACOLA
Activity

Pages:
5 R (11/07/94)

Document Separator

CAPACITY ANALYSIS:
DATA CALL WORK SHEET FOR
TRAINING AIR STATION:

NAVAL AIR STATION PENSACOLA FL

Category	Education and Training
Sub-category	Training Air Stations
Types	Navy Training Air Stations and Facilities

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

20 Oct 94

221

R UIC: 00204

Mission Requirements

a. Undergraduate Flight Training Throughput

1. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan, and projected retention rates, give the projected yearly Pilot Training Rate (PTR) requirements for each of the next seven years.

Type of Pilot Training		PTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
Strike N/A CNET	USN							
	USMC							
	USCG							
	FMS							
Maritime N/A CNET	USN							
	USMC							
	USCG							
	FMS							
	USAF							
E2/C2	USN	~~43~~ 36	~~43~~ 36	~~53~~ 36	~~53~~ 36	~~53~~ 36	*~~53~~ 36	*~~53~~ 36
	USMC	N/A						
	USCG	N/A						
	FMS	N/A						
	USAF	N/A						
Rotary N/A CNET	USN							
	USMC							
	USCG							
	FMS							

CNATT? N? 11/1

*** FY 2000, FY 2001 not on CNO ltr, projected same as 1999.**

R

UIC: 00204

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

Type of Pilot Training		PTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
API	USN	~~604~~ 674	~~619~~ 690	~~636~~ 709	~~635~~ 708	~~627~~ 699	~~629~~ 701	~~635~~ 708
	USMC	376	363	363	361	356	358	362
	USCG	58	58	58	58	58	58	58
	NOAA	2	2	2	2	2	2	2
	USAF	~~0~~ 16	~~0~~ 20	~~0~~ 72	~~0~~ 100	~~0~~ 100	~~0~~ 100	~~0~~ 100
	FMS*	140	140	138	140	140	140	140

CNATRA N3 11/1

CLS CNET 1254 11-8-9

* FMS numbers are current as of 26 Aug 94. FMS numbers may change drastically in view of joint training initiatives underway. (CNATRA note as of 26 Aug 94)

Mission Requirements

a. Undergraduate Flight Training Throughput

1. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan, and projected retention rates, give the projected yearly Pilot Training Rate (PTR) requirements for each of the next seven years.

Type of Pilot Training		PTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
Strike	USN							
	USMC							
	USCG							
N/A Ana Herard CNET N-44	FMS	~~30~~	~~30~~	~~30~~	~~30~~	~~30~~	~~30~~	~~30~~
Maritime	USN							
	USMC							
	USCG							
N/A Ana Herard CNET N-44	FMS	~~45~~	~~45~~	~~45~~	~~45~~	~~45~~	~~45~~	~~45~~
	USAF							
E2/C2	USN	43	43	53	53	53	*53	*53
	USMC	N/A						
	USCG	N/A						
Ana Herard CNET N-44	FMS	~~8~~ N/A	~~8~~	~~8~~	~~8~~	~~8~~	~~8~~	~~8~~
	USAF	N/A						
Rotary	USN							
	USMC							
	USCG							
N/A Ana Herard CNET N-44	FMS	~~65~~	~~65~~	~~65~~	~~65~~	~~65~~	~~65~~	~~65~~

*** FY 2000, FY 2001 not on CNO ltr, projected same as 1999.**

CNATRA N3

REVISED PAGE

UIC: 00204

In response to reference (a), question (1):

NO. Amend table to include API:

Mission Requirements a.1.

Type of Pilot Training		PTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
API	USN	411	421	430	428	423	426	429
	USMC	376	363	363	361	356	358	362
	USCG	58	58	58	58	58	58	58
	NOAA	2	2	2	2	2	2	2
	USAF	0	0	0	0	0	1	1
	FMS	140	140	138	140	140	140	140

R 223

UIC: 00204

Mission Requirements a.1.

Type of Pilot Training		PTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
API	USN	~~411~~ 604	~~421~~ 619	~~430~~ 636	~~428~~ 635	~~423~~ 627	~~426~~ 629	~~429~~ 635
	USMC	376	363	363	361	356	358	362
	USCG	58	58	58	58	58	58	58
	NOAA	2	2	2	2	2	2	2
	USAF *	0	0	0	0	0	1	1
	FMS *	140	140	138	140	140	140	140

2 CNATRA N3 9/30/

* USAF/FMS numbers current as of 26 Aug 94. Joint training initiatives under way may ~~have~~ affect these numbers drastically.

CNATRA N3 26 Aug 94

1-a R (8/10/94)

Encl (1)

R

UIC: 00204

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

2. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan and projected retention rates, give the projected yearly NFO Training Rate (NFOTR) requirements for each of the next seven years. Provide any additional sources of NFO trainees.

*** FY 2000, FY 2001 not on CNO ltr, projected same as 1999.**

**** Projections for out years based on anticipated level loading, not approved by CNO.**

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
Adv Navigator (NAV)	USN	~~122~~ 132	~~140~~ 138	~~127~~ 138	~~137~~ 138	~~121~~ 138	*~~121~~ 138	*~~121~~ 138
	FMS	15	15	~~15~~ 25	~~15~~ 25	~~15~~ 25	*~~15~~ 25	*~~15~~ 25
	NOAA	1	1	1	1	1	*1	*1
	USAF	0	0	199	199	199	*199	*199
Tact Navigator (TN/BN) ~~NOTE 1~~	USN	38	38	38	38	38	*38	*38
	USMC	12	12	12	12	12	*12	*12
	**FMS	0	0	0	0	0	0	0
	USAF	2	25	46	46	46	*46	*46
Radar Intercept Officer (RIO) ~~NOTE 1~~	USN	39	39	~~50~~ 48	~~50~~ 48	~~50~~ 48	*~~50~~ 48	*~~50~~ 48
	USMC	N/A						
	FMS**	0	0	0	0	0	0	0
Over Water Jet Navigator (OJN)	USN	37	~~31~~ 57	~~52~~ 57	~~52~~ 57	~~52~~ 57	*~~52~~ 57	*~~52~~ 57
WSO ~~NOTE 1~~	USMC	18	18	18	18	18	*18	*18
	USAF	8	23	46	46	46	*46	*46
	FMS**	~~40~~ 10	~~80~~ 30	~~80~~ 40	~~80~~ 40	~~80~~ 40	*40	*40
Airborne Tact Data Systems (ATDS)	USN	35	35	~~35~~ 40	~~35~~ 40	~~35~~ 40	*~~35~~ 40	*~~35~~ 40
	USCG	2	2	2	2	2	*2	*2
	USAF	0	~~20~~ ~~25~~ 20	~~54~~ ~~46~~ 54	~~54~~ ~~46~~ 54	~~54~~ ~~46~~ 54	*~~54~~ ~~46~~ 54	*~~54~~ ~~46~~ 54

CNATRA N3 11/1/94

CNATRA N3 11-1-94

CNATRA N3 11-1-94

CNATRA N3 11-1-94

CLS CNET T254 11-8-9

CLC CNET T254 11-8-9

CNATRA N3 11/1/

CLS CNET T 11-8

CNATRA N3 11/1/

DATA CALL #2 REV. SEC
NAS PENSACOLA
Page 1 of 2

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

2. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan and projected retention rates, give the projected yearly NFO Training Rate (NFOTR) requirements for each of the next seven years. Provide any additional sources of NFO trainees.

* FY 2000, FY 2001 not on CNO ltr, projected same as 1999.

** Projections for out years based on anticipated level ~~leading~~ Loading. Not approved by CNO.

7 June 94 CNATRA N3

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
Adv Navigator (NAV)	USN	~~107~~ 122	~~107~~ 140	~~121~~ 127	~~121~~ 137	121	*121	*121
	FMS	15	15	15	15	15	*15	*15
	NOAA	1	1	1	1	1	*1	*1
Tact Navigator (TN/BN) Note 1	USN	38	38	38	38	38	*38	*38
	USMC	12	12	12	12	12	*12	*12
	**~~IMT~~ FMS	~~75~~ 0	~~75~~ 0	~~75~~ 0	~~75~~ 0	~~75~~ 0	~~75~~ 0	~~75~~ 0
Radar Intercept Officer (RIO)	USN	~~35~~ ~~29~~ 39	39	50	50	50	*50	*50
	USMC	N/A						
	FMS ** Note 1	~~50~~ ~~40~~ 0	~~50~~ ~~40~~ 0	~~50~~ ~~40~~ 0	~~50~~ ~~40~~ 0	~~50~~ ~~40~~ 0	0	0
Over Water Jet Navigator (OJT)	USN	37	37	52	52	52	*52	*52
WSO Note 1	USMC	18	18	18	18	18	*18	*18
	USAF**	30	30	30	30	30	30	30
	~~IMT~~** FMS Note 1	40	~~40~~ 80	~~40~~ 80	~~40~~ 80	~~40~~ 80	40	40
Airborne Tact Data Systems (ATDS)	USN	35	35	39	39	39	*39	*39
	USCG	2	2	2	2	2	*2	*2

3 N3F 14 JUL 94

2 CNATRA N3 7 Jun 94

N3F 14 JUL 94 3

2 CNATRA N3 7 Jun 94

N3F 14 JUL 94 3

2 R ~~(6/7/94)~~ (7/14/94)

CNATRA N3

Revised pg

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

2. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan and projected retention rates, give the projected yearly NFO Training Rate (NFOTR) requirements for each of the next seven years. Provide any additional sources of NFO trainees. * **FY 2000, FY 2001 not on CNO ltr, projected same as 1999.**

** **Projections for out years based on anticipated level ~~leading~~.** Loading. Not approved by CNO.

7 June 94 CNATRA/N3

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
Adv Navigator (NAV)	USN	~~107~~ 122	~~107~~ 140	~~121~~ 127	~~121~~ 137	121	*121	*121
	FMS	15	15	15	15	15	*15	*15
	NOAA	1	1	1	1	1	*1	*1
Tact Navigator (TN/BN) Note 1	USN	38	38	38	38	38	*38	*38
	USMC	12	12	12	12	12	*12	*12
	**~~IMT~~ FMS	74	74	74	74	74	74	74
Radar Intercept Officer (RIO) Note 1	USN	~~39~~ 39	39	50	50	50	*50	*50
	USMC	N/A						
	FMS **	~~50~~ 40	~~50~~ 40	~~50~~ 40	~~50~~ 40	~~50~~ 40	0	0
Over Water Jet Navigator (OJT)	USN	37	37	52	52	52	*52	*52
WSO Note 1 Note 1	USMC	18	18	18	18	18	*18	*18
	USAF**	30	30	30	30	30	30	30
	~~IMT~~** FMS	40	40	40	40	40	40	40
Airborne Tact Data Systems (ATDS)	USN	35	35	39	39	39	*39	*39
	USCG	2	2	2	2	2	*2	*2

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2 R (6/7/94)

CNATRA N3

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

2. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan and projected retention rates, give the projected yearly NFO Training Rate (NFOTR) requirements for each of the next seven years. Provide any additional sources of NFO trainees. *** FY 2000, FY 2001 not on CNO ltr, projected same as 1999.**
**** Projections for out years based on anticipated level leading.**

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
Adv Navigator (NAV)	USN	~~107~~ 122	~~107~~ 140	~~121~~ 127	~~121~~ 137	121	*121	*121
	FMS	15	15	15	15	15	*15	*15
	NOAA	1	1	1	1	1	*1	*1
Tact Navigator (TN/BN)	USN	38	38	38	38	38	*38	*38
	USMC	12	12	12	12	12	*12	*12
	**IMT	74	74	74	74	74	74	74
Radar Intercept Officer (RIO)	USN	~~39~~ 29	39	50	50	50	*50	*50
	USMC	N/A						
	FMS	50	50	50	50	50	0	0
Over Water Jet Navigator (OJT)	USN	37	37	52	52	52	*52	*52
WSO	USMC	18	18	18	18	18	*18	*18
	USAF**	30	30	30	30	30	30	30
	IMT**	40	40	40	40	40	40	40
Airborne Tact Data Systems (ATDS)	USN	35	35	39	39	39	*39	*39
	USCG	2	2	2	2	2	*2	*2

CNATRA N3

R

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
API	USN	388	407	409	409	409	*409	*409
	USMC	38	38	38	38	38	*38	*38
	NOAA	1	1	1	1	1	*1	*1
	USAF	72	331	404	404	404	*404	*404
	FMS***	83	102	105	105	105	*105	*105
GENERAL PRIMARY **	USN	~~306~~ 354	~~306~~ 372	~~356~~ 372	~~356~~ 372	~~356~~ 372	~~356~~ 372	~~356~~ 372
	USMC	~~37~~ 36	~~37~~ 36	~~37~~ 36	~~37~~ 36	~~37~~ 36	~~37~~ 36	~~37~~ 36
	USCG	2	2	2	2	2	*2	*2
	USAF	0	~~0~~ 302	~~310~~ 369	~~310~~ 369	~~310~~ 369	~~310~~ 369	~~310~~ 369
	FMS***	40	80	80	80	80	*40	*40
	FMS*** (NAV)	15	15	15	15	15	*15	*15
General Intermediate **	USN	~~161~~ 207	~~161~~ 218	~~194~~ 218	~~194~~ 218	~~194~~ 218	~~194~~ 218	~~194~~ 218
	USMC	34	34	34	34	34	*34	*34
	USCG	2	2	2	2	2	*2	*2
	FMS*** (WSO)	40	~~80~~ 40	~~80~~ 40	~~80~~ 40	~~80~~ 40	*40	*40
	USAF	11	72	150	150	150	*150	*150

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CNATRA N3 11/1/94

** Intermediate training is not conducted for NOAA, per COMTRAWING SIX.

*** FMS numbers are current as of 26 Aug 94. FMS numbers may change drastically in view of joint training initiatives underway. Additionally, joint training initiatives may add Air Force Navigator training to Training Air Wing SIX. (CNATRA note as of 26 Aug 94) These numbers are correct as of 19 Oct 94. These figures are projected with no official documentation at this time, i.e. the FMS's have not actually paid for the training yet and the USAF has not committed to the actual time table yet. (CTW-6 note of 19 Oct 94)

R

UIC: 00204

PTR for General Intermediate Program reflects figures less attrition.

Mission Requirements a.2.

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
API	USN	~~204~~ 327	~~213~~ 341	~~215~~ 345	~~215~~ 345	~~215~~ 345	~~215~~ 345	~~215~~ 345
	USMC	38	38	38	38	38	*38	*38
	NOAA	1	1	1	1	1	*1	*1
	FMS *	15	15	15	15	15	*15	*15
General Intermediate *	USN	161	161	194	194	194	*194	*194
	USMC	34	34	34	34	34	*34	*34
	USCG	2	2	2	2	2	*2	*2

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9/30/

* Intermediate training is not conducted for NOAA, FMS, IMT, per COMTRAWING SIX.

- * FMS numbers current as of 26 Aug 94. FMS numbers may change drastically in view of joint training initiatives under way. Additionally, joint training initiatives may add Air Force Navigator training to Training Air Wing 6.

CNATRA/N3
26 Aug 94

✓2-a R (8/10/94)

ENCL (1)

REVISED PAGE

UIC: 00204

In response to reference (a), question (2):

PTR for General Intermediate Program reflects figures less attrition. Amend table a.2. to include General Intermediate and API.

Mission Requirements a.2.

Type of NFO Training		NFOTR Requirements (Fiscal Year)						
		1995	1996	1997	1998	1999	2000	2001
API	USN	204	213	215	215	215	*215	*215
	USMC	38	38	38	38	38	*38	*38
	NOAA	1	1	1	1	1	*1	*1
	FMS	15	15	15	15	15	*15	*15
General Intermediate *	USN	161	161	194	194	194	*194	*194
	USMC	34	34	34	34	34	*34	*34
	USCG	2	2	2	2	2	*2	*2

* Intermediate training is not conducted for NOAA, FMS, IMT, per COMTRAWING SIX.

NOTE: Ground Mapping Radar Trainer is the same for TN/BN and OJN Training.

c.1

(a) PILOT

CCN:See Table

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
E2/C2	Advanced	Bldg 3480 VT-4 Simulator CCN 171-35 2F101 (OFT/T-2C)	52.5
		Bldg 1854 VT-4 Classroom CCN 171-10	36.3

DATA CALL #2 REVISED
NAS PENSACOLA PAGE
Page 2 of 2

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

3. Provide total planned accessions for undergraduate pilot primary training.

TRAINING AIR WING 6 DOES NOT CONDUCT PRIMARY UNDERGRADUATE PILOT TRAINING

Source	Fiscal Year						
	1995	1996	1997	1998	1999	2000	2001
USN							
USMC							
USCG							
USAF							
FMS	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~

2
CNATRA N3

4. Provide total planned accessions for undergraduate NFO primary training.

Source	Fiscal Year						
	1995	1996	1997	1998	1999	2000	2001
USN	312	312	367	367	367	*367	*367
USMC	40	40	40	40	40	*40	*40
USCG	4	4	4	4	4	*4	*4
NOAA	1	1	1	1	1	*1	*1
Note 1 → FMS	~~65~~ ~~179~~ 55	~~65~~ ~~179~~ 95	~~65~~ 95 ~~179~~	~~65~~ ~~179~~ 95	~~65~~ 55 ~~179~~	~~15~~ 55 ~~179~~	~~15~~ 55 ~~179~~
~~IMT~~	~~114~~	~~114~~	~~114~~	~~114~~	~~114~~	~~114~~	~~114~~

3
OPNAV N3E
14 JUL 94

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CNATRA N3
7 Jul 94

* FY 2000, FY 2001 not on CNO ltr, projected same as 1999.

** Base on projection of all IMT training being accomplished at CTW-6.

Note 1. Estimate As a result of joint training initiatives under study. Not approved by CNO.

2
CNATRA N3
7 Jul 94

3R ~~(6/7/94)~~
(7/14/94)

Revised page

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

3. Provide total planned accessions for undergraduate pilot primary training.

TRAINING AIR WING 6 DOES NOT CONDUCT PRIMARY UNDERGRADUATE PILOT TRAINING

Source	Fiscal Year						
	1995	1996	1997	1998	1999	2000	2001
USN							
USMC							
USCG							
USAF							
FMS	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~

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4. Provide total planned accessions for undergraduate NFO primary training.

Source	Fiscal Year						
	1995	1996	1997	1998	1999	2000	2001
USN	312	312	367	367	367	*367	*367
USMC	40	40	40	40	40	*40	*40
USCG	4	4	4	4	4	*4	*4
NOAA	1	1	1	1	1	*1	*1
Note 1 → FMS	~~65~~ 179	~~65~~ 179	~~65~~ 179	~~65~~ 179	~~65~~ 179	~~15~~ 129	~~15~~ 129
~~IMT~~	~~114~~	~~114~~	~~114~~	~~114~~	~~114~~	~~114~~	~~114~~

CNATRA N3 7 Jun 94

* FY 2000, FY 2001 not on CNO ltr, projected same as 1999.

** Base on projection of all IMT training being accomplished at CTW-6.

Note 1. Estimate as a result of joint training initiatives under study. Not approved by CNO.

CNATRA N3 7 Jun 94

3R (6/7/94)

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

3. Provide total planned accessions for undergraduate pilot primary training.

TRAINING AIR WING 6 DOES NOT CONDUCT PRIMARY UNDERGRADUATE PILOT TRAINING

CNATRA N3

Source	Fiscal Year						
	1995	1996	1997	1998	1999	2000	2001
USN							
USMC							
USCG							
USAF							
FMS	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~	~~140~~

4. Provide total planned accessions for undergraduate NFO primary training.

Source	Fiscal Year						
	1995	1996	1997	1998	1999	2000	2001
USN	312	312	367	367	367	*367	*367
USMC	40	40	40	40	40	*40	*40
USCG	4	4	4	4	4	*4	*4
NOAA	1	1	1	1	1	*1	*1
FMS	65	65	65	65	65	15	15
IMT	114	114	114	114	114	114	114

* FY 2000, FY 2001 not on CNO ltr, projected same as 1999.

** Base on projection of all IMT training being accomplished at CTW-6.

revised pg

UIC: 00204

In response to reference (a), question (3):

Yes, API usage for GYM/POOL should be moved to c.1.(a) and c.1.(b) as stated below. OCS is modified on table d.1.

Mission Requirements c.1.

(a) PILOT

CCN:See Table

Type of Pilot Training	Level of Pilot Training	CCN Facility Type(s)	Requirement (Hrs/Student)
Initial	API	171-20 Gym	23
		171-20 Pool	17

(b) NFO

CCN:See Table Bldg 3258 for Primary/Intermediate / Bldg 1853 for advanced

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)
Initial	API	171-20 Gym	23
		179-20 Pool	17

Mission Requirements d.1.

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
GYM	OCS	PT	45	45	50	800
POOL	OCS	SWIM	12	12	17	272

Revised page

UIC: 00204

In response to reference (a), question (4):

Distinct trainers and locations are provided in table below. Formula used in table on Page 54R reflects 237 days/yr for Aviation Flight Training. Non-Aviation Student Training formula reflects 250 days/yr as defined by NAVFAC P-80. CCN 179-45 Survivial Training Pier is a completely separate training site from the CCN 171-20 Pool. Pool CCN 171-20 is used for both UPT and non-UPT training requirements. See Table c.1.

Facilities c.1.
CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[1]	Capacity (Student HRS/YR)
171-35 Bldg 3480 (2B37)	4	4	11,884
(2C42)	2	2	5,680
(2F101)	3	3	8,466
171-35 Bldg 3268 (Ground Mapping)	2	2	5,418
(Air Intercept)	4	4	12,312
171-35 Bldg 3258 (1D23)	20	20	48,120
171-20 Pool	3	120	240,000

Facilities c.2.

Bldg 3480	(2B37) - PRI	4 trainers x 2,971 allocated hrs = 11,884 annual capacity. (451 Primary students / 369 Intermediate students)
	(2C42)	2 trainers x 2,840 allocated hrs = 5,680 annual capacity. (1,262 Primary students)
	(2F101)	3 trainers x 2,822 allocated hrs = 8,466 annual capacity. (81 E2/C2 Pilots / 314 Advanced NFO students)
Bldg 3268	(Ground Mapping)	2 trainers x 2,709 allocated hrs = 5,418 annual capacity. (213 Advanced NFO students)
	(Air Intercept)	4 trainers x 3,078 allocated hrs = 12,312 annual capacity. (157 Advanced NFO students)
Bldg 3258	(1D23)	20 trainers x 2,406 allocated hrs = 48,120 annual capacity.

[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.

revised pg

UIC: 00204

(1,155 Primary students / 770 Intermediate students)

NOTE: As stated by COMTRAWING SIX, the capacity of the trainers is directly derived from funded hours for trainers provided by CNATRA. Trainer utilization hours are a function of the training tract for the length of a training mission. Some training missions require 1.3 hours while other missions require 2.0 hours. The amount of student throughput is a direct result of funding and room exists for additional student loading through all student pipelines.

Facilities c.3.

None. Source: COMTRAWING SIX

Facilities c.4.

None. Source: COMTRAWING SIX

Facilities c.5.

All FY 2001 gross excess capacity could be used to support additional training.

171-10: 1,168,656 - (36.3 x 193) + (646,6 x 492) + 0
1,168,656 - (7,006 + 318,127) = 1,168,656 - 325,133
843,523 STUDENT HRS/YR

171-20: 3,273,040 - (54 x 193) + (139 x 492) + 29,296
3,273,040 - (10,422 + 68,388 + 29,296) = 3,273,040 - 108,106
3,164,934 STUDENT HRS/YR

171-35: 134,536 - (0 x 193) + (175.5 x 492) + 0
134,536 - 86,346
48,190 STUDENT HRS/YR

revised
PJ

UIC: 00204

In response to reference (a), question (5):

Number of days per year are derived from the following formula: (40hrs/wk x 50 wks/yr = 250 days/yr). The formula used in response to Facilities question c.7. (251) is in error and is amended.

In response to reference (a), question (6):

Facilities c.7.

179-40: 18 x 8 x 250 = 36,000
179-45: 10 x 8 x 250 = 20,000

ASSUME: **250** DAYS/YR x 8 HRS/DAY = **2000** HRS/YR
STUDENT HRS/YR = DESIGN CAPACITY (PN) x **2000** HRS/YR

Facilities c.8.

171-10	NONE. BUILDING SCHEDULED TO BE DEMOLISHED.
171-20	NONE.
179-40	NONE.
179-45	NONE.

Facilities c.9.

171-10	BUILDING SCHEDULED TO BE DEMOLISHED.
171-20	THE PHYSICAL SIZE OF THE FACILITY IS A LIMITING FACTOR. BUILDING CONSISTS OF A SWIM TANK AND CLASSROOM. IT WOULD NOT BE FEASIBLE TO EXPAND SIZE OF THIS OLD FACILITY.
179-40/179-45	LIMITING FACTOR IS AVAILABILITY OF UNCONSTRAINED LAND TO SITE NEW FACILITIES IN PROXIMITY OF EXISTING RELATED ASSETS.

Facilities c.10.

All FY 2001 gross excess capacity could be utilized to support additional training.

171-10: 40,000 - 312 = 39,688 student hrs/yr
171-20: 96,000 - 73,176 = 22,824 student hrs/yr
179-40: 36,000 - 310 = 35,690 student hrs/yr
179-45: 20,000 - 240 = 19,760 student hrs/yr

7R (7/18/94)

Mission Requirements

a. Undergraduate Flight Training Throughput (cont.)

5. Provide the historical attrition data for undergraduate pilot primary training.

UPT ATTRITION	Fiscal Year								
	1991			1992			1993		
	USN	USMC	USCG	USN	USMC	USCG	USN	USMC	USCG
PILOT TO NFO	PRIMARY PILOT TRAINING IS NOT CONDUCTED AT NAS PENSACOLA								
AERONAUTICAL NON-ADAPTABILITY									
OTHER									
TOTAL									
PERCENTAGE OF TOTAL ACCESSIONS									

6. Provide the historical attrition data for undergraduate NFO primary training.

NFO ATTRITION	Fiscal Year								
	1991			1992			1993		
	USN	USMC	USCG	USN	USMC	USCG	USN	USMC	USCG
AERONAUTICAL NON-ADAPTABILITY	3	0	0	3	0	0	1	0	0
OTHER (includes all NPQs)	72	4	0	63	1	2	65	3	0
TOTAL	75	4	0	66	1	2	66	3	0
PERCENTAGE OF TOTAL ACCESSIONS	16	7	0	14	2	100	21	7	0

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UIC: 00204

Mission Requirements

b. Flight Training

1. For each type of undergraduate pilot flight training and aircraft required for that training, give the type of airspace in which each stage of training is conducted, give other types of airspace (if any) in which the training could be conducted, give the number of required flights per pilot (include overhead flights), average transit time to the training area and the total number of flight hours required for each stage. Use the abbreviations in the key below the table to fill out the airspace fields. Also include other stages of flight training not listed.

Type Training: Pilot ADV E2/C2 **Type Aircraft:** T-2

Stage	Type Airspace	Other Airspace	# Flights/ pilot	Avg. Transit Time/ Event	Flight Time in Airspace/ Event	Total Flight Time/ Event
Familiarization	MOA	PAT	16	.2	1.2	1.4
Basic Instrument	MOA	~~ATCAA~~ AW	3	~~.2~~ .0	~~1.2~~ 1.5	1.5
Radio Instrument	~~ATCAA~~ AW		4	~~.2~~ .0	1.5/1.7	1.7
Formation	MOA	PAT	15	.2	1.2	1.4
Tactical Formation	~~MOA~~	~~PAT~~	~~7~~	~~.2~~	~~1.4~~	~~1.6~~
Airway Navigation/AVR1	~~ATCAA~~ AW	PAT	8 ~~10~~	.2	1.4	1.6
Visual Navigation/Night	~~ATCAA~~ AW	PAT	4	.2	.9	1.1
Out-of-control Flight	WA	PAT	1	.3	.8	1.1
Carrier Qualifications	WA	PAT	12	.2	.7	.9
Air Combat Maneuvers	N/A					
Operational Navigation						
Weapons						
Gunnery						
Helo Tactics						
Helo Ship Qualifications						

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CLS ONET 1254 11-2-94

Key: OVERHEAD HRS (352) 30.75 *

MOAs Military Operating Areas
RR Restricted Areas with Ranges
WA Warning Areas
MTR Military Training Routes
AA Alert Areas
AW Airways (e.g. corridors to and from training areas)
RA Restricted Areas
PAT Pattern (e.g. airspace above runways)
ATCAA AirTraffic Control Assigned Airspace
GEN General Use Airspace

TOTAL OVERHEAD HOURS

CNATRA N3 9-15-94

Data based on an average flight time/event. Each stage has varied number of events at varied flight times.

ENCL (1)

228

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UIC: 00204

Mission Requirements

b. Flight Training

1. For each type of undergraduate pilot flight training and aircraft required for that training, give the type of airspace in which each stage of training is conducted, give other types of airspace (if any) in which the training could be conducted, give the number of required flights per pilot (include overhead flights), average transit time to the training area and the total number of flight hours required for each stage. Use the abbreviations in the key below the table to fill out the airspace fields. Also include other stages of flight training not listed.

Type Training: **Pilot ADV E2/C2** **Type Aircraft:** **T-2**

Stage	Type Airspace	Other Airspace	# Flights/ pilot	Avg. Transit Time/ Event	Flight Time in Airspace/ Event	Total Flight Time/ Event
Familiarization	MOA	PAT	16	.2	1.2	1.4
Basic Instrument	MOA	ATCAA	3	.3	1.2	1.5
Radio Instrument	ATCAA		4	.2	1.5	1.7
Formation	MOA	PAT	15	.2	1.2	1.4
Tactical Formation	MOA	PAT	7	.2	1.4	1.6
Airway Navigation	ATCAA	PAT	10	.2	1.4	1.6
Visual Navigation/Night	ATCAA	PAT	4	.2	.9	1.1
Out-of-control Flight	WA	PAT	1	.3	.8	1.1
Carrier Qualifications	WA	PAT	12	.2	.7	.9
Air Combat Maneuvers	N/A					
Operational Navigation						
Weapons						
Gunnery						
Helo Tactics						
Helo Ship Qualifications						

Key: OVERHEAD HRS (35%) 30.75 *

MOAs Military Operating Areas
RR Restricted Areas with Ranges
WA Warning Areas
MTR Military Training Routes
AA Alert Areas
AW Airways (e.g. corridors to and from training areas)
RA Restricted Areas
PAT Pattern (e.g. airspace above runways)
ATCAA AirTraffic Control Assigned Airspace
GEN General Use Airspace

TOTAL OVERHEAD HOURS

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9-15-94

Data based on an average flight time/event. Each stage has varied number of events at varied flight times.

ENCL (1)
1

Mission Requirements

b. Flight Training

1. For each type of undergraduate pilot flight training and aircraft required for that training, give the type of airspace in which each stage of training is conducted, give other types of airspace (if any) in which the training could be conducted, give the number of required flights per pilot (include overhead flights), average transit time to the training area and the total number of flight hours required for each stage. Use the abbreviations in the key below the table to fill out the airspace fields. Also include other stages of flight training not listed.

Type Training: **Pilot ADV E2C2** **Type Aircraft:** **T-2**

Stage	Type Airspace	Other Airspace	# Flights/ pilot	Avg Transit Time/ Event	Flight Time in Airspace/ Event	Total Flight Time/ Event
Familiarization	MOA	PAT	16	.2	1.2	1.4
Basic Instrument	MOA	ATCAA	3	.3	1.2	1.5
Radio Instrument	ATCAA		4	.2	1.5	1.7
Formation	MOA	PAT	15	.2	1.2	1.4
Airway Navigation	ATCAA	PAT	10	.2	1.4	1.6
Visual Navigation	ATCAA	PAT	4	.2	.9	1.1
Out-of-control Flight	WA	PAT	1	.3	.8	1.1
Carrier Qualifications	WA	PAT	12	.2	.7	.9
~~Helo Tactics~~ OVERHEAD (BS?)						30.75 *
Helo Ship Qualifications	N/A					

Key:

MOAs	Military Operating Areas
RR	Restricted Areas with Ranges
WA	Warning Areas
MTR	Military Training Routes
AA	Alert Areas
AW	Airways (e.g. corridors to and from training areas)
RA	Restricted Areas
PAT	Pattern (e.g. airspace above runways)
ATCAA	AirTraffic Control Assigned Airspace
GEN	General Use Airspace

2
CNATRA N3

Data based on an average flight time/event. Each stage has varied number of events at varied flight times.

* TOTAL OVERHEAD HOURS

R

UIC: 00204

Mission Requirements

b. Flight Training (cont.)

2. For each type of NFO flight training and aircraft required for that training, give the type of airspace in which each stage of training is conducted, give other types of airspace (if any) in which the training could be conducted, give the number of required flights per student (include overhead flights), average transit time to training area and the total number of flight hours required for each stage. Use the abbreviations in the key below the table to fill out the airspace fields. Also include other stages of flight training not listed.

PRIMARY & INTERMEDIATE

Type Training: NFO **Type Aircraft:** T-34

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search						
Low Level/VNAV	GEN	~~ATCAA~~	4	.5	1.5	2
~~Airways/Nav/Radar/Low Level~~ ANAV	~~ATCAA~~ AW		12	0	2	2
Familiarization	~~MOA~~ AA/AW	~~BAT~~	8	.5	~~1.0~~ ~~1.5~~ 1.0-1.5	~~1.0~~ 1.5-2.0
Tactical Low Level	N/A					
Advanced Tactical Maneuvers						
Pursuit Intercepts						
Attack/Reattack Intercepts						
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						
INAV	~~ATCAA~~ MOA	~~MOA~~	24	0	2	2
FORM	~~GEN~~ AA/GEN	~~ATCAA~~	2	.5	1.5	2
NAV	~~ATCAA~~ AW		24	~~0~~	2	2
Overhead (28%)						* 16.56

*Total Overhead Hours (Previous CNATRA Revision Undated)

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2 CNATRA N3 10-26-9

Note (1) = Different hops ~~have~~ within stage have different sortie duration.

2 CNATRA N3 10-26-94

Encl (1)

R

Mission Requirements

b. Flight Training (cont.)

2. For each type of NFO flight training and aircraft required for that training, give the type of airspace in which each stage of training is conducted, give other types of airspace (if any) in which the training could be conducted, give the number of required flights per student (include overhead flights), average transit time to training area and the total number of flight hours required for each stage. Use the abbreviations in the key below the table to fill out the airspace fields. Also include other stages of flight training not listed.

Type Training: NFO **Type Aircraft: T-34**

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search						
Low Level/VNAV	GEN	ATCAA	4	.5	1.5	2
Airways/Nav/Radar/Low Level	ATCAA		12	0	2	2
Familiarization	MOA	PAT	8	.5	1.4	1.9
Tactical Low Level	N/A					
Advanced Tactical Maneuvers						
Pursuit Intercepts						
Attack/Reattack Intercepts						
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						
INAV	ATCAA	MOA	4	0	2	2
FORM	GEN	ATCAA	2	.5	1.5	2
NAV	ATCAA		4	0	2	2
Overhead (28%)						* 16.56

*Total Overhead Hours (Previous CNATRA Revision Undated)

Encl (1)
2

Mission Requirements

b. Flight Training (cont.)

2. For each type of NFO flight training and aircraft required for that training, give the type of airspace in which each stage of training is conducted, give other types of airspace (if any) in which the training could be conducted, give the number of required flights per student (include overhead flights), average transit time to training area and the total number of flight hours required for each stage. Use the abbreviations in the key below the table to fill out the airspace fields. Also include other stages of flight training not listed.

Type Training: **NFO** **Type Aircraft:** **T-34**

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation N/A						
Surface Search N/A						
Low Level/VNAV	GEN	ATCAA	4	.5	1.5	2
Airways/Nav/Radar/Low Level	ATCAA		12	0	2	2
Familiarization	MOA	PAT	8	.5	1.4	1.9
Tactical Low Level N/A						
Advanced Tactical Maneuvers N/A						
~~Pursuit Intercepts~~ OVERHEAD (29%)						16.56 *
Attack/Reattack Intercepts N/A						
Conversion Intercepts N/A						
Unknown Intercepts N/A						
Advanced Intercepts N/A						
INAV	ATCAA	MOA	4	0	2	2
FORM	GEN	ATCAA	2	.5	1.5	2
NAV	ATCAA		4	0	2	2

HEARD N-4473 and 28 APR

* TOTAL OVERHEAD HOURS

CNATRA N3

Mission Requirements

b. Flight Training (cont.)

Type Training: INTERMEDIATE NFO Type Aircraft: T-39

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search	N/A					
Low Level/VNAV	MTR | AW	~~ATCAA~~	3	.6	.5	1.1
Airways/Nav/Radar/Low Level	~~GEN~~ AW	~~ATCAA~~	4	0	1.9	1.9
Familiarization	N/A					
High/Low/High (end of phase)	~~ATCAA~~ AW | ~~MTR~~	GEN	1	0	2.4	2.4
Advanced Tactical Maneuvers	N/A					
~~Pursuit Intercepts~~ OVERHEAD (12%)						1.55 *
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

CNATRA N3 10-26-94

CNATRA N3

Type Training: Tactical Crew Coord Type Aircraft: T-2

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CNATRA N3 10-26-94

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search	N/A					
Low Level	N/A					
Airways/Nav/Radar/Low Level	N/A					
Familiarization	~~WA~~ AW | PAT	~~WA~~	3	~~.8~~ .4	~~.8~~ 1.2	1.6
Tactical low level	MTR | PAT	~~ATCAA~~	3	~~.8~~ .4	~~.8~~ 1.0	1.4
Advanced Tactical Maneuvers	WA | AW	MOA	6	~~.8~~ .4	~~1.0~~ .9	1.3
~~Pursuit Intercepts~~ OVERHEAD (34%)						~~12.48~~ *
Attack/Reattack Intercepts	N/A					5.74
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

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* TOTAL OVERHEAD HOURS
ALL NFO ADVANCED STUDENTS (OJN, TN, RIO, WSO) fly this STAGE.

Mission Requirements

b. Flight Training (cont.)

Type Training: **NFO** **Type Aircraft:** **T-39**

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search	N/A					
Low Level/VNAV	MTR	ATCAA	3	.6	.5	1.1
Airways/Nav/Radar/Low Level	GEN	ATCAA	4	0	1.9	1.9
Familiarization	N/A					
High/Low/High	ATCAA	GEN	1	0	2.4	2.4
Advanced Tactical Maneuvers	N/A					
~~Pursuit Intercepts~~ OVERHEAD (12%)						1.55 *
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

2 CNATRA N3

Type Training: **Tactical Crew Coord** **Type Aircraft:** **T-2**

HEARD N-4433 ~~TOA~~ 28 APR

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search	N/A					
Low Level	N/A					
Airways/Nav/Radar/Low Level	N/A					
Familiarization	AW	WA	3	.8	.8	1.6
Tactical low level	MTR	ATCAA	3	.5	.9	1.4
Advanced Tactical Maneuvers	WA	MOA	6	.3	1.0	1.3
~~Pursuit Intercepts~~ OVERHEAD (34%)						17.45 *
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

* TOTAL OVERHEAD HOURS

Mission Requirements

b. Flight Training (cont.)

Type Training: RIO **Type Aircraft:** T-39

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search	N A					
Low Level	MTR / AW	~~AW~~	3	~~.8~~ .4	~~1.2~~ .6	~~2~~ 1.0
~~Airways Nav/Radar Low Level~~ ANAV	AW		~~5~~ 4	~~.5~~	~~2~~ 2.5	2.5
Familiarization OVERHEAD (21%)						8.7 *
Tactical Low Level	N/A					
~~Advanced Tactical Maneuvers~~ MULTIPLE APPROACH	~~N/A~~ AW		1	0	2.5	2.5
Pursuit Intercepts	WA / AW	MOA	5	~~.5~~ .26	~~2~~ .9	~~2.5~~ 1.3
Attack/Reattack Intercepts	WA / AW	MOA	3	~~.5~~ .4	~~2~~ .73	~~2.5~~ 1.2
Conversion Intercepts	WA / AW	MOA	5	~~.5~~ .3	~~2~~ 1.0	~~2.5~~ 1.3
Unknown Intercepts	WA / AW	MOA	2	~~.5~~ .3	~~2~~ 1.0	~~2.5~~ 1.3
Advanced Intercepts	WA / AW	MOA	2	~~.5~~ .3	~~2~~ 1.0	~~2.5~~ 1.3

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Type Training: OJN **Type Aircraft:** T-39

2 CNATRA N3

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Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	~~ATCAA~~ ~~MTR~~/AW	~~MTR~~	4	~~.7~~ .4	~~1.5~~ .7	~~2.2~~ 1.1
Surface Search	WA / AW	~~AARA~~	3	~~.7~~ .4	~~1.5~~ 1.8	2.2
Low Level	MTR / AW		~~.7~~ 4	~~.8~~ .4	~~1.2~~ .6	~~2~~ 1.0
~~Airways Nav/Radar Low Level~~ ANAV	~~ATCAA~~ AW	AW	3	~~.5~~ 0	~~2.0~~ 2.5	2.5
Familiarization OVERHEAD (20%)						6.2 *
~~Tactical Low Level~~ ON	~~MTR~~ / ~~WA~~ ~~N/A~~ / AW		3	1.1	1.5	2.6
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

2 CNATRA N3 10-26-94

* TOTAL OVERHEAD HOURS

Mission Requirements

b. Flight Training (cont.)

Type Training: **RIO** **Type Aircraft:** **T-39**

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	N/A					
Surface Search	N A					
Low Level	MTR	AW	3	.8	1.2	2
Airways/Nav/Radar/Low Level	AW		5	.5	2	2.5
~~Familiarization~~ OVERHEAD (21%)						8.7 *
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	WA	MOA	5	.5	2	2.5
Attack/Reattack Intercepts	WA	MOA	3	.5	2	2.5
Conversion Intercepts	WA	MOA	5	.5	2	2.5
Unknown Intercepts	WA	MOA	2	.5	2	2.5
Advanced Intercepts	WA	MOA	2	.5	2	2.5

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2 CNATRA N3

Type Training: **OJN** **Type Aircraft:** **T-39**

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	ATCAA	MTR	4	.7	1.5	2.2
Surface Search	WA	AA/RA	3	.7	1.5	2.2
Low Level	MTR		7	.8	1.2	2
Airways/Nav/Radar/Low Level	ATCAA	AW	3	.5	2.0	2.5
~~Familiarization~~ OVERHEAD (20%)						6.2 *
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

* TOTAL OVERHEAD HOURS

Mission Requirements

b. Flight Training (cont.)

Type Training: TN **Type Aircraft:** T-39

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	~~ATCAA~~ MTR/AW	~~MTR~~	~~7~~ 4	~~.8~~ .4	~~.3~~ .7	~~2.8~~ 1.1
~~Surface Search~~ MOUNTAIN RADAR NAV	~~N/A~~ MTR/AW/PAT		3	1.4	.9	2.3
Low Level	MTR / AW		~~7~~ 4	~~.8~~ .4	~~1.4~~ .6	~~2.2~~ 1.0
~~Airways/Nav/Radar/Low Level~~ ANAV	~~ATCAA~~ AW		3	~~.8~~	~~2~~ 2.5	2.5
Familiarization	N/A					
Tactical Low Level	N/A					
~~Advanced~~ Tactical ~~Maneuvers~~ NAVIGATION	~~MTR/AW~~ ~~N/A~~		3	1.6	.9	2.5
~~Pursuit Intercepts~~ OVERHEAD (17%)						5.3 *
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

Key:

MOAs	Military Operating Areas
RR	Restricted Areas with Ranges
WA	Warning Areas
MTR	Military Training Routes
AA	Alert Area
AW	Airways (e.g. corridors to and from training areas)
RA	Restricted Areas
PAT	Pattern (e.g. airspace above runways)
ATCAA	Air Traffic Control Assigned Airspace
GEN	General Use Airspace

Data based on an average flight time/event. Each stage has varied numbers of events at varied flight times.

* TOTAL OVERHEAD HOURS

Mission Requirements

b. Flight Training (cont.)

Type Training: TN **Type Aircraft: T-39**

Stage	Type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	ATCAA	MTR	7	.8	3	3.8
Surface Search	N/A					
Low Level	MTR		7	.8	1.4	2.2
Airways/Nav/Radar/Low Level	ATCAA		3	.5	2	2.5
Familiarization	N/A					
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
~~Pursuit Intercepts~~ OVERHEAD (17%)						5.3 *
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

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2 CNATRA N3

Key:

MOAs	Military Operating Areas
RR	Restricted Areas with Ranges
WA	Warning Areas
MTR	Military Training Routes
AA	Alert Area
AW	Airways (e.g. corridors to and from training areas)
RA	Restricted Areas
PAT	Pattern (e.g. airspace above runways)
ATCAA	Air Traffic Control Assigned Airspace
GEN	General Use Airspace

Data based on an average flight time/event. Each stage has varied numbers of events at varied flight times.

* TOTAL OVERHEAD HOURS

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UIC: 00204

Mission Requirements

b. Flight Training (cont.)

Type Training: WSO **Type Aircraft: T-39**

Stage	type Airspace	Other Airspace	# Flights/ Student	Avg transit time	Flight Time in Airspace /Event	Total Flight Time/ Event
Radar Navigation	~~ATCAA~~ MTR/AW	~~MTR~~	~~7~~ 4	~~.8~~ .4	~~.3~~ .7	~~3.8~~ 1.1
~~Surface Search~~ Beacon/Radar NAV	~~N/A~~ MTR/AW/PAT		3	1.4	.9	2.3
Low Level	MTR / AW		~~7~~ 4	~~.8~~ .4	~~1.4~~ .6	~~2.2~~ 1.0
~~Airways/Nav/Radar~~/Low ~~Level~~ ANAVS	~~ATCAA~~ AW		3	~~.5~~ ∅	~~2~~ 2.5	2.5
Familiarization	N/A					
Tactical ~~Low Level~~ NAVIGATION	~~N/A~~ MTR/AW		3	1.6	.9	2.5
Advanced Tactical Maneuvers	N/A					
Overhead (17%)						5.3*
Pursuit Intercepts	WA / AW	MOA	2	~~.5~~ .2	~~2~~ .9	~~2.5~~ 1.1
Attack/Reattack Intercepts	WA / AW	MOA	3	~~.5~~ .4	~~2~~ .73	~~2.5~~ ≅ 1.2
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

2 ONAVRAD W-2L-54

* TOTAL OVERHEAD HOURS

ALL FLOWN WITH TWO STUDENTS EXCEPT TACTICAL NAVIGATION WHICH IS flown WITH ONE STUDENT.

Mission Requirements

b. Flight Training (cont.)

3. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of pilot training (and trainer aircraft). **Include only those flight operations that are conducted at your air station and outlying/auxiliary fields. Do not include flights ops required by the syllabus but conducted at other sites (e.g., on detachments to other air stations or on a carrier).** Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of Pilot Training	Level of Pilot Training	Trainer Aircraft	Flight Operations per Student					
			Student		Overhead[1]		Total	
			Day	Night	Day	Night	Day	Night
General N/A	Primary	T-34C						
		JPATS[2]						
Strike N/A	Intermediate	T-2						
	Advanced	TA-4J						
	Intermediate/ Advanced	T-45[2]						
E2/C2	Intermediate	T-44	N/A					
	Advanced	T-2	816	123	70	1	886	124
		T-45[2]	N/A					
Maritime N/A	Intermediate	T-34C						
		JPATS[2]						
	Advanced	T-44						
Rotary N/A	Intermediate	T-34C						
		JPATS[2]						
	Advanced	TH-57						

[1]Overhead includes extra flights due to unsatisfactory performance, maintenance flights, incomplete flights, instructor training, flights, warm-up flights, and instrument check flights.

[2]If requirements are still being derived, give best estimate.

Mission Requirements

b. Flight Training (cont.)

3. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of pilot training (and trainer aircraft). Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of Pilot Training	Level of Pilot Training	Trainer Aircraft	Flight Operations per Student					
			Student		Overhead[1]		Total	
			Day	Night	Day	Night	Day	Night
General N/A	Primary	T-34C						
		JPATS[2]						
Strike N/A	Intermediate	T-2						
	Advanced	TA-4J						
	Intermediate/ Advanced	T-45[2]						
E2/C2	Intermediate	T-44	N/A					
	Advanced	T-2	816	123	70	1	886	124
		T-45[2]	N/A					
Maritime N/A	Intermediate	T-34C						
		JPATS[2]						
	Advanced	T-44						
Rotary N/A	Intermediate	T-34C						
		JPATS[2]						
	Advanced	TH-57						

HEARD N-4433 AMA

[1]Overhead includes extra flights due to unsatisfactory performance, maintenance flights, incomplete flights, instructor training, flights, warm-up flights, and instrument check flights.

[2]If requirements are still being derived, give best estimate.

Mission Requirements

b. Flight Training (cont.)

4. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of NFO training (and trainer aircraft). **Include only those flight operations that are conducted at your air station and outlying/auxiliary fields. Do not include flights ops required by the syllabus but conducted at other sites (e.g., on detachments to other air stations or on a carrier).** Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of NFO Training	Level of NFO Training	Trainer Aircraft	Flight Operations per Student					
			Student		Overhead		Total	
			Day	Night	Day	Night	Day	Night
General VT-10	Primary	T-34	102	16	19	1.0	121	17
General VT-10	Intermediate	T-34	70	6	20	2	90	8
		T-39	11	0	10	0	21	0
		JPATS[4]	N/A					
NAV	Advanced	T-43	N/A					
TN/BN	Advanced	T-2	27	0	26	2	53	2
VT-86	Advanced	T-39	30	4	30	0	60	4
RIO	Advanced	T-2	27	0	22	0	49	0
VT-86	Advanced	T-39	58	2	40	0	98	2
OJN	Advanced	T-2	27	0	25	0	52	0
VT-86	Advanced	T-39	26	4	35	0	61	4
ATDS	Advanced	E-2C	N/A					
WSO VT-86	Advanced	T-2	26	0	35	0	61	0
	Advanced	T-39	35	4	35	0	70	4

** THIS TABLE INCORPORATES ALL CHANGES BY CNATRA DATED 9/13/94.
Note: WSO figures best estimate from CNATRA.

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Mission Requirements

b. Flight Training (cont.)

4. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of NFO training (and trainer aircraft). **Include only those flight operations that are conducted at your air station and outlying/auxiliary fields. Do not include flights ops required by the syllabus but conducted at other sites (e.g., on detachments to other air stations or on a carrier).** Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of NFO Training	Level of NFO Training	Trainer Aircraft	Flight Operations per Student					
			Student		ET,IUT,NTP INST		Total	
			Day	Night	Day	Night	Day	Night
General VT-10	Primary	T-34	102	16	~~2~~ 19	1.0	~~105~~ 121	17
General VT-10	Intermediate	T-34	~~90~~ 70	6	~~0~~ 20	~~0~~ 2	90	~~6~~ 8
		T-39	~~24~~ 11	0	~~0~~ 10	0	~~24~~ 21	0
		JPATS[4]	N/A					
NAV	Advanced	T-43	N/A					
TN/BN VT-86	Advanced	T-2	27	0	26	2	53	2
	Advanced	T-39	~~54~~ 30	~~0~~ 4	~~36~~ 30	0	~~90~~ 60	~~0~~ 4
RIO VT-86	Advanced	T-2	27	0	22	0	49	0
	Advanced	T-39	58	~~0~~ 2	~~25~~ 40	0	~~83~~ 98	~~0~~ 2
OJN VT-86	Advanced	T-2	27	0	25	0	52	0
	Advanced	T-39	~~48~~ 26	~~0~~ 4	35	0	~~85~~ 61	~~0~~ 4
ATDS	Advanced	E-2C	N/A					
WSO VT-86	Advanced	T-2	~~27~~ 26	0	~~26~~ 35	0	~~53~~ 61	0
	Advanced	T-39	~~64~~ 35	~~0~~ 4	~~36~~ 35	0	~~100~~ 70	~~0~~ 4

No required hops at night.

CNATRA N3
9-15-94

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3

Mission Requirements

b. Flight Training (cont.)

4. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of NFO training (and trainer aircraft). **Include only those flight operations that are conducted at your air station and outlying/auxiliary fields. Do not include flights ops required by the syllabus but conducted at other sites (e.g., on detachments to other air stations or on a carrier).** Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of NFO Training	Level of NFO Training	Trainer Aircraft	Flight Operations per Student					
			Student		ET,IUT,NTP INST		Total	
			Day	Night	Day	Night	Day	Night
General VT-10	Primary	T-34	102	16	~~3~~ 19	1.0	~~105~~ 121	17
General VT-10	Intermediate	T-34	~~90~~ 70	6	~~0~~ 20	~~0~~ 2	90	~~6~~ 8
		T-39	~~24~~ 11	0	~~0~~ 10	0	~~24~~ 21	0
		JPATS[4]	N/A					
NAV	Advanced	T-43	N/A					
TN/BN	Advanced	T-2	27	0	26	2	53	2
VT-86	Advanced	T-39	~~54~~ 30	~~0~~ 4	~~36~~ 30	0	~~90~~ 60	~~0~~ 4
RIO	Advanced	T-2	27	0	22	0	49	0
VT-86	Advanced	T-39	58	~~0~~ 2	~~25~~ 40	0	~~83~~ 98	~~0~~ 2
OJN	Advanced	T-2	27	0	25	0	52	0
VT-86	Advanced	T-39	~~48~~ 26	~~0~~ 4	35	0	~~85~~ 61	~~0~~ 4
ATDS	Advanced	E-2C	N/A					
WSO VT-86	Advanced	T-2	~~27~~ 26	0	~~26~~ 35	0	~~53~~ 61	0
	Advanced	T-39	~~64~~ 35	~~0~~ 4	~~36~~ 35	0	~~100~~ 70	~~0~~ 4

No required hops at night.

CNATRA N3
9-15-94

Encl (1)
3

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Mission Requirements

b. Flight Training (cont.)

4. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of NFO training (and trainer aircraft). **Include only those flight operations that are conducted at your air station and outlying/auxiliary fields. Do not include flights ops required by the syllabus but conducted at other sites (e.g., on detachments to other air stations or on a carrier).** Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of NFO Training	Level of NFO Training	Trainer Aircraft	Flight Operations per Student					
			Student		OVERHEAD ~~ET,IUT,NTP~~ ~~INST~~		Total	
			Day	Night	Day	Night	Day	Night
General VT-10	Primary	T-34	102	16	~~2~~ 19	1.0	~~105~~ 121	17
General VT-10	Intermediate	T-34	~~90~~ 70	6	~~0~~ 20	~~0~~ 2	90	~~6~~ 8
		T-39	~~24~~ 11 ~~15~~	0	~~0~~ 10	0	~~24~~ 21	0
		JPATS[4]	N/A	N/A	N/A	N/A	N/A	N/A
NAV VT-10	Advanced	T-43	N/A	N/A	N/A	N/A	N/A	N/A
TN/BN VT-86	Advanced	T-2	27	0	26	2	53	2
	Advanced	T-39	~~54~~ 30	~~0~~ 4	~~36~~ 30	0	~~90~~ 60	~~0~~ 4
RIO VT-86	Advanced	T-2	27	0	22	0	49	0
	Advanced	T-39	58	~~0~~ 2	~~28~~ 40	0	~~85~~ 98	~~0~~ 2
OJN VT-86	Advanced	T-2	27	0	25	0	52	0
	Advanced	T-39	~~48~~ 26	~~0~~ 4	35	0	~~83~~ 61	~~0~~ 4
ATDS VT-86	Advanced	E-2C	N/A	N/A	N/A	N/A	N/A	N/A

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CNATRA N
13 Sept 94

Note: DATA NOT KEPT IN ABOVE FORMAT. BEST ESTIMATES OF AVAILABLE DATA

~~No required hops at night.~~

			STUDENT D	STUDENT N	OVERHEAD D	OVERHEAD N	TOTAL D	TOTAL N
WSO	ADVANCED	T2	26	0	35 ~~0~~	0	61 ~~26~~	0
		T39	35	4	35 ~~0~~	0	70 ~~35~~	4

NOTE: WSO FIGURES BEST ESTIMATE.

Encl (1)

Mission Requirements

b. Flight Training (cont.)

4. Give the total number of flight operations (i.e., take-offs, landings, and approaches without landings) and the minimum number of night flight operations required per student for each type and level of NFO training (and trainer aircraft). Give the historical average for day and night (1) flight operations required by the syllabus for each student, (2) overhead[1] flight operations per student, and (3) total flight operations attributed to each student. Also verify the type(s) of trainer aircraft for each type and level of training, and make corrections where necessary.

Type of NFO Training	Level of NFO Training	Trainer Aircraft	Flight Operations per Student					
			Student		OVERHEAD		Total	
			Day	Night	Day	Night	Day	Night
General VT-10	Primary	T-34	102	16	3	~~8~~ 1.0	105	17
General VT-10	Intermediate	T-34	90	6	0	0	~~93.4~~ 90	~~6.3~~ 6
		T-39	24	0	0	0	~~25~~ 24	0
		JPATS[4]	N/A					
NAV VT-10	Advanced	T-43	N/A					
TN/BN VT-86	Advanced	T-2	27	0	~~34~~ 26	2	~~63~~ 53	2
	Advanced	T-39	54	0	~~28~~ 36	0	~~82~~ 90	0
RIO VT-86	Advanced	T-2	27	0	22	0	~~27~~ 49	0
	Advanced	T-39	~~54~~ 58	0	~~32~~ 25	0	~~90~~ 83	0
OJN VT-86	Advanced	T-2	27	0	25	0	~~27~~ 52	0
	Advanced	T-39	48	0	~~28~~ 35	0	~~76~~ 83	0
ATDS VT-86	Advanced	E-2C	N/A					

No required hops at night.

CNATRA N3

Mission Requirements

b. Flight Training (cont.)

5. For each type of undergraduate pilot flight training and the aircraft used for that training, give the airspace requirements per student for all stages of training. These requirements include the type(s) of airspace (e.g., MOA), the airspace block dimensions, and the flying time per event in this airspace. Use the abbreviations in the key below the table to fill out the "Type Airspace" field. Also include other stages of flight training not listed.

Type Training: Advanced E2/C2 **Type Aircraft:** T-2C

Stage	NOTE ① Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Familiarization	MOA AW PAT	6	20	20	400	.6 .2 .6
Basic Instrument	MOA AW ~~ATCAA~~ ~~GEN~~	6	20	20	400	.5 .3 .7
Radio Instrument	AW ~~ATCAA~~ ~~GEN~~	AS ASSIGNED				.3 1.4
Formation	AW MOA PAT	6	20	20	400	.2 .9 .3
Airway Navigation	AW ~~ATCAA~~ ~~GEN~~	AS ASSIGNED				.6 2.2
Visual Navigation	AW ~~ATCAA~~ ~~GEN~~ PAT	AS ASSIGNED				.2 .3 .5
Out-of-control Flight	AW WA PAT	7-FL300	20	20	400	.2 .8 .1
Carrier Qualifications	AW WA PAT	SFC-10,000				.2 .5 .3
Air Combat Maneuvers	N/A					
Operational Navigation	N/A					
Weapons	N/A					
Gunnery	N/A					
Helo Tactics	N/A					
Helo Ship Qualifications	N/A					

Key: MOA Military Operating Area
RR Restricted Area with Ranges
WA Warning Area
MTR Military Training Route
AA Alert Area
~~AA~~ AW Airway (corridor to and from training areas)
RA Restricted Area
PAT Pattern (airspace above runways)
ATCAA Air Traffic Control Assigned Airspace
GEN General Use Airspace

NOTE ① ATCAA'S ARE USED WITH ASSOCIATED MOA'S

2 MOTRA N3 10-26-94

CNATRA N3

HEARD CNET N-4433 ~~FAX~~ 28 APR

Mission Requirements

b. Flight Training (cont.)

5. For each type of undergraduate pilot flight training and the aircraft used for that training, give the airspace requirements per student for all stages of training. These requirements include the type(s) of airspace (e.g., MOA), the airspace block dimensions, and the flying time per event in this airspace. Use the abbreviations in the key below the table to fill out the "Type Airspace" field. Also include other stages of flight training not listed.

Type Training: Advanced E2/C2 **Type Aircraft:** T-2C

Stage	NOTE ① Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Familiarization	MOA AW PAT	6	20	20	400	.6 .2 .6
Basic Instrument	MOA AW ~~ATCAA~~ GEN	6	20	20	400	.5 .3 .7
Radio Instrument	AW ~~ATCAA~~ GEN	AS ASSIGNED				.3 1.4
Formation	AW MOA PAT	6	20	20	400	.2 .9 .3
Airway Navigation	AW ~~ATCAA~~ GEN	AS ASSIGNED				.6 2.2
Visual Navigation	AW ~~ATCAA~~ GEN PAT	AS ASSIGNED				.2 .3 .5
Out-of-control Flight	AW WA PAT	7-FL300	20	20	400	.2 .8 .1
Carrier Qualifications	AW WA PAT	SFC-10,000				.2 .5 .3
Air Combat Maneuvers	N/A					
Operational Navigation	N/A					
Weapons	N/A					
Gunnery	N/A					
Helo Tactics	N/A					
Helo Ship Qualifications	N/A					

CNATRA N13

HEARD CNET N-4433 28 APR

Key: MOA Military Operating Area
RR Restricted Area with Ranges
WA Warning Area
MTR Military Training Route
AA Alert Area
~~AA~~ AW Airway (corridor to and from training areas)
RA Restricted Area
PAT Pattern (airspace above runways)
ATCAA Air Traffic Control Assigned Airspace
GEN General Use Airspace

NOTE ① ATCAA'S ARE USED WITH ASSOCIATED MOA'S

Mission Requirements

b. Flight Training (cont.)

6. For each type of undergraduate NFO flight training and the aircraft used for that training, give the airspace requirements per student for all stages of training. These requirements include the type(s) of airspace (e.g., MOA), the airspace block dimensions, and the flying time per event in this airspace. Use the abbreviations in the key below the table to fill out the "Type Airspace" field. Also include other stages of flight training not listed.

Type Training: ~~General~~ Primary & Intermediate NFO **Type Aircraft:** T-34

Stage	Type Airspace (Note 1)	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
~~Radar Navigation~~ FORM	AA/GEN	2000'	15	15	225	1.5
Surface Search	N/A					
Low Level						
Airways/Nav/Radar/ Low Level						
Familiarization	AA	10000'	20	20	400	1.0/~~1.5~~
	PAT	As Asssigned				.5
	~~AW~~					~~.5~~
Tactical Low Level	N/A					
Advanced Tactical Maneuvers						
Pursuit Intercepts						
Attack/Reattack Intercepts						
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						
NAV	AW	As Assigned				2.0
INAV	~~AW~~	~~As Assigned~~				~~1.5~~
	MOA	4000' ~~2.5~~	10 ~~20~~	~~15~~ 10	~~2,150~~ 100	2.0 ~~1~~
VNAV	~~ATCAA GEN~~	1000' ~~2.5~~	~~0~~	~~0~~	~~0~~	1.5 ~~2.0~~
ANAV	~~ATCAA GEN~~ AW/GEN	As Assigned				2.0

1 CHAMPA NJ 10-21-94

2 CHAMPA NJ 9-15-94

Note ①: ATCAA's are sometimes used with associated MOA's.

Encl (1) 4

R

UIC: 00204

Type Training: General NFO -page 13 **Type Aircraft:** T-39

Stage	Note ① Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
~~Radar Navigation~~ ANAV	~~N/A~~ AW	AS ASGND				1.9
Surface Search						
Low Level	~~AW~~	~~As Assigned~~				~~.6~~
	~~MTR~~	~~1.5~~	~~150~~	~~10~~	~~1,500~~	~~.5~~
~~Airways/Nav/Radar/ Low Level/ANAV~~ VNAV	~~ATCAA~~ ~~(680)~~ MTR	AW 1000	As Assigned by ATC			.5 ~~2.0~~
Familiarization	N/A					
Tactical Low Level						
Advanced Tactical Maneuvers						
Pursuit Intercepts						
Attack/Reattack Intercepts						
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						
End of Phase	MTR/AW	1000'	AS ASGND			2.4

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CHAPTER N3 9-18-94

ENCL (1)
5

Mission Requirements

b. Flight Training (cont.)

6. For each type of undergraduate NFO flight training and the aircraft used for that training, give the airspace requirements per student for all stages of training. These requirements include the type(s) of airspace (e.g., MOA), the airspace block dimensions, and the flying time per event in this airspace. Use the abbreviations in the key below the table to fill out the "Type Airspace" field. Also include other stages of flight training not listed.

Type Training: General NFO **Type Aircraft:** T-34

Stage	Note 1 Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	N/A					
Surface Search						
Low Level						
Airways/Nav/Radar/ Low Level						
Familiarization	AA	As Asssigned				1.0
	PAT					.5
	AW					.5
Tactical Low Level	N/A					
Advanced Tactical Maneuvers						
Pursuit Intercepts						
Attack/Reattack Intercepts						
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						
NAV	AW	As Assigned				2.0
INAV	AW	As Assigned				1.3
	MOA	7.5	70	45	3,150	.7
VNAV	~~ATCAA~~ 6GW	1.5	0	0	0	2.0
ANAV	~~ATCAA~~ 6GW	As Assigned				2.0

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CNATRA N3
9-15-94

Note ①: ATCAA's Are sometimes used with associated MOA's.

Encl (1)
4

R

UIC: 00204

Type Training: General NFO -page 13 **Type Aircraft:** T-39

Stage	Note ① Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	N/A					
Surface Search						
Low Level	AW	As Assigned				.6
	MTR	1.5	150	10	1,500	.5
Airways/Nav/Radar/ Low Level/ANAV	~~ATCAA~~ GEN / MTR	As Assigned by ATC				2.0
Familiarization	N/A					
Tactical Low Level						
Advanced Tactical Maneuvers						
Pursuit Intercepts						
Attack/Reattack Intercepts						
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						

2
CHAPTER N3
9-18-94

ENCL (1)
5

Mission Requirements

b. Flight Training (cont.)

6. For each type of undergraduate NFO flight training and the aircraft used for that training, give the airspace requirements per student for all stages of training. These requirements include the type(s) of airspace (e.g., MOA), the airspace block dimensions, and the flying time per event in this airspace. Use the abbreviations in the key below the table to fill out the "Type Airspace" field. Also include other stages of flight training not listed.

Type Training: General NFO **Type Aircraft:** T-34

Stage	NOTE (1) Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Airways/Nav/Radar/ Low Level	N/A					
Familiarization	AA PAT AW	AS ASGND	AS ASGND	AS ASGND	AS ASGND	1.0 .5 .5
NAV	AW	AS ASGND	AS ASGND	AS ASGND	AS ASGND	2.0
INAV	AW MOA	AS ASGND 7.5	AS ASGND 70	AS ASGND 45	AS ASGND 3,150	1.3 .7
VNAV	~~ATCAA~~ GEN	1.5				2.0
ANAV	~~ATCAA~~ GEN		AS ASSIGNED			2.0

Type Training: General NFO **Type Aircraft:** T-39 ~ CNATRA N3

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	N/A					
Surface Search	N/A					
Low Level	AW MTR	AS ASGND 1.5	AS ASGND 150	AS ASGND 10	AS ASGND 1,500	.6 .5
Airways/Nav/Radar/ Low Level/ANAV	~~ATCAA~~ GEN MTR	AS ASSIGNED BY ATC				2.0
Familiarization	N/A					
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					

NOTE (1): ATCAA'S ARE USED WITH ASSOCIATED MOA'S

~ CNATRA N3

R

Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

Type Training: RIO **Type Aircraft:** T-39

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
~~Radar Navigation~~ Approach HOP	~~N/A~~ AW	AS ASGND				2.5
Surface Search	N/A					
Low Level	MTR / AW	~~3~~ 1000'	~~350~~ AS ASGND		~~1,750~~	~~1~~ .6
~~Airways/Nav/Radar/ Low Level~~/ANAV	~~ATCAA~~/AW ~~GEN / MTR~~	~~FL110~~ AS	~~INFINITE~~ ASGND			2.5
Familiarization	N/A					
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	WA / AW	~~FL200~~ 10000	~~25~~ 20	~~10~~ 20	~~1,000~~ 400	~~2~~ .9
Attack/Reattack Intercepts	WA / AW	~~FL200~~ 10000	~~25~~ 20	~~10~~ 20	~~1,000~~ 400	~~2~~ .73
Conversion Intercepts	WA / AW	~~FL200~~ 10000	~~30~~ 30	~~10~~ 30	~~1,200~~ 900	~~2~~ 1.0
Unknown Intercepts	WA / AW	~~FL200~~ 10000	~~30~~ 30	~~10~~ 30	~~1,200~~ 900	~~2~~ 1.0
Advanced Intercepts	WA / AW	~~FL200~~ 10000	~~30~~ 30	~~10~~ 30	~~1,200~~ 900	~~2~~ 1.0

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CNATRA N3

HERID CNAT N-4433 TWA 28 Apr

Type Training: OJN **Type Aircraft:** T-39

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	~~ATCAA~~/MTR / ~~AW~~	~~FL200~~	~~350~~ AS ASGND	~~10~~	~~3,500~~	~~1.8~~ .7
Surface Search	WA / AW	5000	~~100~~ 60	~~50~~ 60	~~500~~ 360	1.8
Low Level	MTR / AW	~~3~~ 1000	~~350~~ AS ASGND	~~5~~	~~1,750~~	~~1.5~~ .6
~~Airways/Nav/Radar/ Low Level~~/ANAV	~~ATCAA~~/AW ~~GEN / MTR~~	~~FL110~~ AS ASGND	~~INFINITE~~			2.5
~~Familiarization~~ ON	MTR / ~~WA~~ / AW ~~N/A~~	5000'	30	30	900	1.5
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

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CNATRA N3

Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

Type Training: RIO Type Aircraft: T-39

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	N/A					
Surface Search	N/A					
Low Level	MTR	3	350	5	1,750	1
Airways/Nav/Radar/ Low Level/ANAV	~~ATCAA~~/AW GEN/MTR	FL410	INFINITE			2.5
Familiarization	N/A					
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	WA	FL200	25	40	1,000	2
Attack/Reattack Intercepts	WA	FL200	25	40	1,000	2
Conversion Intercepts	WA	FL200	30	40	1,200	2
Unknown Intercepts	WA	FL200	30	40	1,200	2
Advanced Intercepts	WA	FL200	30	40	1,200	2

~ CNATRA N3

HEARD CNOT N-4433 ~~A~~ 28 Apr

Type Training: OJN Type Aircraft: T-39

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	GEN ~~ATCAA~~/MTR	10	350	10	3,500	1.8
Surface Search	WA	5	100	50	500	1.8
Low Level	MTR	3	350	5	1,750	1.5
Airways/Nav/Radar/ Low Level/ANAV	~~ATCAA~~/AW GEN/MTR	FL410	INFINITE			2.5
Familiarization	N/A					
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

~ CNATRA N3

Type Training: TN Type Aircraft: T-39

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	~~ATCAA~~/MTR/AW	~~10~~	~~350~~ AS ASGND	~~10~~	~~3,500~~	~~1.8~~ .7
Surface Search	N/A					
Low Level	MTR / AW	~~3~~ 1000'	~~350~~ AS ASGND	~~3~~	~~1,750~~	~~1.5~~ .6
~~Airways/Nav/Radar/ Low Level~~/ANAV	~~ATCAA~~/AW ~~GEN~~ ~~/MTR~~	~~FL110~~ AS ASGND	~~INFINITE~~			2.5
~~Familiarization~~ ROUTINE RADAR NAV	~~MTR/AW/PAT~~ ~~N/A~~	AS ASGND				1.9
Tactical Low Level	N/A					
~~Advanced~~ Tactical ~~Maneuvers~~ NAVIGATION	MTR/AW ~~N/A~~	3000'	AS ASGND			.9
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

CNATRA N3

CNATRA N3 1026-92

HEARD: CNET N-4453 25 Apr 94

Type Training: TN **Type Aircraft:** T-39

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	~~ATCAA~~/MTR	10	350	10	3,500	1.8
Surface Search	N/A					
Low Level	MTR	3	350	5	1,750	1.5
Airways/Nav/Radar/ Low Level/ANAV	~~ATCAA~~/AW GEN/MTR	FL410	INFINITE			2.5
Familiarization	N/A					
Tactical Low Level	N/A					
Advanced Tactical Maneuvers	N/A					
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

CNATRA N3

HEARD CNET N-4433 25 Apr 99

Type Training: Tactical Crew Coord Type Aircraft: T-2

Stage	Note ① Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	N/A					
Surface Search	N/A					
Low Level	N/A					
Airways/Nav/Radar/ Low Level/ANAV	~~MOA/GEN~~					
Familiarization	WA/AW/PAT ~~ATCAA/AW~~	~~FL370~~ 10000'	~~INFINITE~~ 30	30	900	~~2.5~~ 1.2
Tactical Low Level	MTR/PAT	~~2~~ 1000'	~~240~~ AS ASSIGNED	~~3~~	~~1,200~~	~~2~~ 1.0
Advanced Tactical Maneuvers	WA/~~MOA~~ AW	~~FL300~~ 15000'	~~20~~ 30	~~22.5~~ 30	~~1,500~~ 900	~~.8~~ .9
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

2 CHANGES N3 10-26-89

2 CHANGES N3

Key:

MOA	Military Operating Area
RR	Restricted Area with Ranges
WA	Warning Area
MTR	Military Training Route
AA	Alert Area
AW	Airway (corridor to and from training areas)
RA	Restricted Area
PAT	Pattern (airspace above runways)
ATCAA	Air Traffic Control Assigned Airspace
GEN	General Use Airspace

①: ATCAA'S ARE USED WITH ASSOCIATED MOA'S.

Mission Requirements

b. Flight Training (cont.)

Type Training: **WSO** **Type Aircraft: T-39**

Stage	Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	~~ATCAA/MTR~~ MTR/AW	~~10~~ AS	~~350~~ ASGND	~~10~~	~~3,500~~	~~1.8~~ .7
~~Surface Search~~ ~~Navigation~~ RADAR NAV	MTR/AW/PAT	AS	ASGND			.9
Low Level	MTR/AW	~~3~~ 1000'	~~350~~ AS	~~5~~ ASGND	~~1,750~~	~~1.5~~ .6
~~Airways/Nav/Radar/~~ ~~Low Level~~/ANAV	~~ATCA~~A/AW	~~FL410~~ AS	~~INFINITE~~ ASGND			2.5
Familiarization						
Tactical Low Level						
~~Advanced~~ Tactical ~~Maneuvers~~ NAVIGATION	MTR/AW	3000'	AS	ASGND		.9
Pursuit Intercepts	WA/AW	~~FL200~~ 10000,	~~25~~ 20	~~40~~ 20	~~1000~~ 400	~~2~~ .9
Attack/Reattack Intercepts	WA/AW	~~FL200~~ 10000,	~~25~~ 20	~~40~~ 20	~~1000~~ 400	~~2~~ .73
Conversion Intercepts						
Unknown Intercepts						
Advanced Intercepts						

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Key:

MOA	Military Operating Area
RR	Restricted Area with Ranges
WA	Warning Area
MTR	Military Training Route
AA	Alert Area
AW	Airway (corridor to and from training areas)
RA	Restricted Area
PAT	Pattern (airspace above runways)
ATCAA	Air Traffic Control Assigned Airspace
GEN	General Use Airspace

Type Training: **Tactical Crew Coord** **Type Aircraft:** **T-2**

Stage	Note ① Type Airspace	Airspace Dimensions				Time in Airspace (hr)
		Vertical (1000 ft)	Length (nmi.)	Width (nmi)	Ave Size (nmi.^{2})	
Radar Navigation	N/A					
Surface Search	N/A					
Low Level	N/A					
Airways/Nav/Radar/ Low Level/ANAV	MOA/GEN					
Familiarization	~~ATCAA~~/AW	FL370	INFINITE			2.5
Tactical Low Level	MTR	3	240	5	1,200	.7
Advanced Tactical Maneuvers	WA/MOA	FL300	20	22.5	4,500	.8
Pursuit Intercepts	N/A					
Attack/Reattack Intercepts	N/A					
Conversion Intercepts	N/A					
Unknown Intercepts	N/A					
Advanced Intercepts	N/A					

2 CNATRA N3

Key:

MOA	Military Operating Area
RR	Restricted Area with Ranges
WA	Warning Area
MTR	Military Training Route
AA	Alert Area
AW	Airway (corridor to and from training areas)
RA	Restricted Area
PAT	Pattern (airspace above runways)
ATCAA	Air Traffic Control Assigned Airspace
GEN	General Use Airspace

①: ATCAA'S ARE USED WITH ASSOCIATED MOA'S.

R

UIC: 00204

Mission Requirements

c. Ground School Flight Training

1. Provide the ground school training requirements for Undergraduate Pilot and NFO training by facility Category Code Number (CCN). Include all applicable 171-*xx*, 179-*xx* CCN's and any other CCN where Undergraduate Pilot/NFO training occurs. Ensure that the requirements for cockpit (UTD), instrument (IFT), and motion-based/visual (OFT) training are indicated.

(a) PILOT

CCN:171-10

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
General **N/A**	Primary		
Strike **N/A**	Intermediate		
	Advanced		
E2/C2	Intermediate **N/A**		
	Advanced	Bldg 1854 VT-4 Classroom (CCN 171-10)	36.3
		Bldg 3480 VT-4 Simulator CCN 171-35 2F101 (OFT/T-2C)	52.5
Maritime **N/A**	Intermediate		
	Advanced		
Rotary **N/A**	Intermediate		
	Advanced		

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Mission Requirements

c. Ground School Flight Training

1. Provide the ground school training requirements for Undergraduate Pilot and NFO training by facility Category Code Number (CCN). Include all applicable 171-*xx*, 179-*xx* CCN's and any other CCN where Undergraduate Pilot/NFO training occurs. Ensure that the requirements for cockpit (UTD), instrument (IFT), and motion-based/visual (OFT) training are indicated.

(a) PILOT

CCN:171-10

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
General **N/A**	Primary		
Strike **N/A**	Intermediate		
	Advanced		
E2/C2	Intermediate **N/A**		
	Advanced	Bldg 1854 VT-4 Classroom	~~36.3~~ 49.3
		CCN 171-10	
Maritime **N/A**	Intermediate		
	Advanced		
Rotary **N/A**	Intermediate		
	Advanced		

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(a) PILOT

CCN:See Table

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
Initial	API	171-20 Applied Inst	197
		171-45 Survival Training Pier	4
		171-50 Obstacle Course	4

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UIC: 00204

(a) PILOT

CCN:See Table

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
Initial	API	171-20 Applied Inst	197
		171-35 Survival Training Pier	4
		171-50 Obstacle Course	4
E2/C2	Advanced	Bldg 3480 VT-4 Simulator	
		CCN 171-35 2F101 (OFT/T-2C)	52.5
		Bldg 1854 VT-4 Classroom	49.3 ~~36.3~~
		CCN 171-10	

CNATRA N3144

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Mission Requirements

c. Ground School Flight Training

1. Provide the ground school training requirements for Undergraduate Pilot and NFO training by facility Category Code Number (CCN). Include all applicable 171-xx, 179-xx CCN's and any other CCN where Undergraduate Pilot/NFO training occurs. Ensure that the requirements for cockpit (UTD), instrument (IFT), and motion-based/visual (OFT) training are indicated.

(a) PILOT

CCN: ~~171-10~~ SEE TABLE

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
General N/A	Primary		
Strike N/A	Intermediate		
	Advanced		
E2/C2	Intermediate N/A		
–	Advanced	Bldg 1854 VT-4 Classroom	36.3
		CCN 171-10	
Maritime N/A	Intermediate		
	Advanced		
Rotary N/A	Intermediate		
	Advanced		
R INITIAL	API *	171-20 APPLIED INST BLDG	225
		177-45 SURV TRNG PIER	34
		179-50 OBSTACLE COURSE	18

HEARD CNET N-4433 28 APR 94

J. Reynolds NASP C-110 7 Jun 94

* AVIATION PRE-FLIGHT INDOCTRINATION

Mission Requirements

c. Ground School Flight Training

1. Provide the ground school training requirements for Undergraduate Pilot and NFO training by facility Category Code Number (CCN). Include all applicable 171-*xx*, 179-*xx* CCN's and any other CCN where Undergraduate Pilot/NFO training occurs. Ensure that the requirements for cockpit (UTD), instrument (IFT), and motion-based/visual (OFT) training are indicated.

(a) PILOT

CCN:171-10

Type of Pilot Training	Level of Pilot Training	Facility Type(s)	Requirement (Hrs/Student)
General N/A	Primary		
Strike N/A	Intermediate		
	Advanced		
E2/C2	Intermediate N/A		
	Advanced	Bldg 1854 VT-4 Classroom	36.3
		CCN 171-10	
Maritime N/A	Intermediate		
	Advanced		
Rotary N/A	Intermediate		
	Advanced		

Heard CNET N-4433 28 APR 94

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Mission requirements

c. Ground School Flight Training (cont.)

(b) NFO

CCN:See Table Bldg 3258 for Primary/Intermediate Bldg 1853 for advanced

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)
General	Primary	171-10 Classroom and student admin spaces	148.0
		171-35 Trainer spaces 1D23(NT/Generic) 2C42(CPT/T-34C) 2B37(FIT/T-34C)	15.0 4.5 8.0
General	Intermediate	171-10 Classroom and student	71.5
		171-35 Trainer spaces 1D23(NT/Generic) 2B37(FIT/T-34C)	10.0 6.5
NAV	Advanced	N/A	**NOTE (1)**
		N/A	**NOTE (1)**
TN/BN	Advanced	171-10 Classroom and Student	136.7
		171-35 Trainer Spaces **NOTE (2)** Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 12.0 13.5
RIO	Advanced	171-10 Classroom and Student	153.7
		171-35 Trainer Spaces Air Intercept Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 39.0 13.5
OJN	Advanced	171-10 Classroom and Student	136.7
		171-35 Trainer Spaces **NOTE (2)** Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 14.0 13.5
ATDS	Advanced	N/A	**NOTE (3)**
		N/A	**NOTE (3)**
Initial	API	171-20 Applied Inst Bldg	197
		171-45 Survival Training Pier	4
		179-50 Obstacle Course	4

Mission requirements

c. Ground School Flight Training (cont.)

(b) NFO

CCN:See Table Bldg 3258 for Primary/Intermediate Bldg 1853 for advanced

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)
General	Primary	171-10 Classroom and student admin spaces	148.0
		171-35 Trainer spaces 1D23(NT/Generic) 2C42(CPT/T-34C) 2B37(FIT/T-34C)	15.0 4.5 8.0
General	Intermediate	171-10 Classroom and student	71.5
		171-35 Trainer spaces 1D23(NT/Generic) 2B37(FIT/T-34C)	10.0 6.5
NAV	Advanced	N/A	**NOTE (1)**
		N/A	**NOTE (1)**
TN/BN	Advanced	171-10 Classroom and Student	136.7
		171-35 Trainer Spaces **NOTE (2)** Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 12.0 13.5
RIO	Advanced	171-10 Classroom and Student	153.7
		171-35 Trainer Spaces Air Intercept Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 39.0 13.5
OJN	Advanced	171-10 Classroom and Student	136.7
		171-35 Trainer Spaces **NOTE (2)** Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 14.0 13.5
ATDS	Advanced	N/A	**NOTE (3)**
		N/A	**NOTE (3)**
Initial	API	171-20 Applied Inst Bldg	197
		171-35 Survival Training Pier	4
		179-50 Obstacle Course	4

Mission Requirements c.1.

(b) NFO

CCN:See Table Bldg 3258 for Primary/Intermediate Bldg 1853 for advanced

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)
General	Primary	171-10 Classroom and student admin spaces	148.0
		171-35 Trainer spaces 1D23(NT/Generic) 2C42(CPT/T-34C) 2B37(FIT/T-34C)	15.0 4.5 8.0
General	Intermediate	171-10 Classroom and student	71.5
		171-35 Trainer spaces 1D23(NT/Generic) 2B37(FIT/T-34C)	10.0 6.5
NAV	Advanced	N/A	
		N/A	
TN/BN	Advanced	171-10 Classroom and student	136.7
		171-35 Trainer spaces Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 25.5 13.5
RIO	Advanced	171-10 Classroom and student	153.7
		171-35 Trainer spaces Air Intercept Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 78.5 13.5
OJN	Advanced	171-10 Classroom and student	136.7
		171-35 Trainer spaces Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 27.5 13.5
ATDS	Advanced	N/A	
		N/A	
Initial	API	171-20 Applied Inst Bldg	225.0
		179-45 Survival Training Pier	34.0
		179-50 Obstacle Course	18.0
		171-20 Gym	23
		171-20 Pool	17

NOTE: Ground Mapping Radar Trainer is the same for TN/BN and OJN Training.

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WSO	Advanced	171-10 Classroom and Student	202.2
		171-35 Trainer Spaces **NOTE (4)** Ground Mapping Trainer (PT/T-39) Air Intercept Radar (PT/T-39) 2F101 (OFT/T-2C)	 12.0 13.5 13.5

NOTES:

(1) Advanced NAV Training Rate is completed at another installation. Advanced NAV Training Rate is loaded at CTW-6 and completes General Primary Training (same as General Primary above).

(2) Ground Mapping Radar Trainer is the same for TN/BN and OJN Training.

(3) Advanced ATDS Training Rate is completed at another installation. Advanced ATDS Training Rate is loaded at CTW-6 and completes General Primary Training and General Intermediate Training (same as above).

(4) TN/BN, RIO, OJN, and WSO Training complete all of above General Primary and General Intermediate Training.

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WSO	Advanced	171-10 Classroom and Student	202.2
		171-35 Trainer Spaces **NOTE (4)**	
		Ground Mapping Trainer (PT/T-39)	12.0
		Air Intercept Radar (PT/T-39)	13.5
		2E101 (OFT/T-2C)	13.5

NOTES:

(1) Advanced NAV Training Rate is completed at another installation. Advanced NAV Training Rate is loaded at CTW-6 and completes General Primary Training (same as General Primary above).

(2) Ground Mapping Radar Trainer is the same for TN/BN and OJN Training.

(3) Advanced ATDS Training Rate is completed at another installation. Advanced ATDS Training Rate is loaded at CTW-6 and completes General Primary Training and General Intermediate Training (same as above).

(4) TN/BN, RIO, OJN, and WSO Training complete all of above General Primary and General Intermediate Training.

WSO	Advanced	171-10 Classroom and Student	202.2
		171-35 Trainer Spaces **NOTE (4)** Ground Mapping Trainer (PT/T-39) Air Intercept Radar (PT/T-39) 2E101 (OFT/T-2C)	 12.0 13.5 13.5

NOTES:

(1) Advanced NAV Training Rate is completed at another installation. Advanced NAV Training Rate is loaded at CTW-6 and completes General Primary Training (same as General Primary above).

(2) Ground Mapping Radar Trainer is the same for TN/BN and OJN Training.

(3) Advanced ATDS Training Rate is completed at another installation. Advanced ATDS Training Rate is loaded at CTW-6 and completes General Primary Training and General Intermediate Training (same as above).

(4) TN/BN, RIO, OJN, and WSO Training complete all of above General Primary and General Intermediate Training.

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(b) NFO

CCN:See Table Bldg 3258 for Primary/Intermediate Bldg 1853 for advanced

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)
General	Primary	171-10 Classroom and student admin spaces	148.0
		171-35 Trainer spaces 1D23(NT/Generic) 2C42(CPT/T-34C) 2B37(FIT/T-34C)	15.0 4.5 8.0
General	Intermediate	171-10 Classroom and student	71.5
		171-35 Trainer spaces 1D23(NT/Generic) 2B37(FIT/T-34C)	10.0 6.5
NAV	Advanced	N/A	
		N/A	
TN/BN	Advanced	171-10 Classroom and student	136.7
		171-35 Trainer spaces Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 25.5 13.5
RIO	Advanced	171-10 Classroom and student	153.7
		171-35 Trainer spaces Air Intercept Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 78.5 13.5
OJN	Advanced	171-10 Classroom and student	136.7
		171-35 Trainer spaces Ground Mapping Radar Trainer(PT/T-39) 2F101(OFT/T-2C)	 27.5 13.5
ATDS	Advanced	N/A	
		N/A	
Initial	API	171-20 Applied Inst Bldg	225.0
		179-45 Survival Training Pier	34.0
		179-50 Obstacle Course	18.0

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Mission requirements

c. Ground School Flight Training (cont.)

(b) NFO

CCN: See Table Bldg 3258 for Primary/Intermediate / Bldg 1853 for advanced NFO

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)	
General	Primary	171-10 Classroom and student admin spaces	148 hr/ student/ classroom	
	R	171-35 ~~Admin~~ TRAINER spaces 1D23 2C42 2B37	~~27.5~~ hr/ student/ simulator 15 4.5 8	REYNOLDS 9TR NASP (110) 7Jun94
General	Intermediate	171-10 Classroom and student	71.5 hr/ student/ classroom	
	R	171-35 ~~Admin~~ TRAINER spaces 1D23 2B37	~~16.5~~ hr/ student/ simulator 10 6.5	REYNOLDS 9TR NASP (110) 7Jun94
NAV	Advanced	N/A		HEARD CNET N-4437 ~~Apr~~ 28 Apr
		N/A		
TN/BN	Advanced	171-10 Classroom and student	136.7 hr/ student/ classroom	
	R	171-35 ~~Admin~~ TRAINER spaces GROUND MAPPING RADAR TRAINER	25.5 hr/ student/ simulator	REYNOLDS 9TR NASP (110) 7Jun94
RIO	Advanced	171-10 Classroom and student	153.7 hr/ student/ classroom	
	R	171-35 ~~Admin~~ spaces AIR INTERCEPT RADAR TRAINER	78.5 hr/ student/ simulator	REYNOLDS 9TR NASP (110) 7Jun94
OJN	Advanced	171-10 Classroom and student	136.7 hr/ student/ classroom	
	R	171-35 ~~Admin~~ TRAINER spaces GROUND MAPPING RADAR TRAINER	27.5 hr/ student/ simulator	REYNOLDS 9TR NASP (110) 7Jun94
ATDS	Advanced	N/A		
		N/A		
~~Mission Requirements~~		171-20 APPLIED INST BLDG	225	REYNOLDS 9TR NASP (110) 7Jun94
R INITIAL	API	179-45 SURV TRNG PIER	34	
		179-50 OBSTACLE COURSE	18	

Mission requirements

c. Ground School Flight Training (cont.)

(b) NFO

CCN: See Table Bldg 3258 for Primary/Intermediate / Bldg 1853 for advanced NFO

Type of NFO Training	Level of NFO Training	CCN Facility Type(s)	Requirement (Hrs/Student)
General	Primary	171-10 Classroom and student admin spaces	148 hr/ student/ classroom
		171-35 Admin spaces	27.5 hr/ student/ simulator
General	Intermediate	171-10 Classroom and student	71.5 hr/ student/ classroom
		171-35 Admin spaces	16.5 hr/ student/ simulator
NAV	Advanced	N/A	
		N/A	
TN/BN	Advanced	171-10 Classroom and student	136.7 hr/ student/ classroom
		171-35 Admin spaces	25.5 hr/ student/ simulator
RIO	Advanced	171-10 Classroom and student	153.7 hr/ student/ classroom
		171-35 Admin spaces	78.5 hr/ student/ simulator
OJN	Advanced	171-10 Classroom and student	136.7 hr/ student/ classroom
		171-35 Admin spaces	27.5 hr/ student/ simulator
ATDS	Advanced	N/A	
		N/A	

HEARD CNET N-4433 28 APR

Mission Requirements

Mission Requirements

d. Other Ground Training

1. By facility Category Code Number (CCN), for facilities in which student pilot/NFO training is conducted, provide the usage requirements for **other than** student pilot/NFO training. Include all applicable 171-*xx*, 179-*xx* CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSROOM	NACCS	LAND SURVIVAL	8	6,800	8	11,520
CLASSROOM	LSS	LAND	9	900	7	1,800
CLASSROOM	NAWSTP	BAY OPS	13	780	13	780
CLASSROOM	RSS	BAY OPS	22	4,180	22	13,860
CLASSROOM	FLEET	H20 REFR	17	9,350	17	11,220
CLASSROOM	FLEET	INT DEVC	26	1,820	26	3,640
CLASSROOM	NACCS	BAY OPS	12	10,200	12	17,280
CLASSROOM	AITC	INSTR	101	12,625	101	17,170
CLASSROOM	RITC	INSTR	30	8,700	30	10,800
CLASSROOM	NLDP	LDSHP	120	132,000	120	170,400
CLASSROOM	NAMP	AVMAINT	557	194,950	557	278,500
CLASSROOM	DCO	INDOC	77	33,880	77	60,060
CLASSROOM	LCDO/CWO	INDOC	119	60,690	119	58,310
CLASSROOM	TQL	LDSHP	40	6,800	40	6,400
CLASSROOM	NACCS	AIRCREW	29	24,650	29	41,760
CLASSROOM	OCS	INDOC	146	3,650	199	59,700
CLASSROOM	AOO	ORDNANCE	233	11,650	393	88,425
TRNG TNK	NAWSTP	DEVICES	24	1,440	24	1,440
TRNG TNK	NACCS	DEVICES	7	5,950	7	10,080
TRNG TNK	FLEET	DEVICES	36	93,600	36	95,400
TRNG TNK	FLEET	REFRESHR	11	6,050	11	7,260
POOL	NAWSTP	SWIM	35	2,100	35	2,100

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d. Other Ground Training

1. By facility Category Code Number (CCN), for facilities in which student pilot/NFO training is conducted, provide the usage requirements for **other than** student pilot/NFO training. Include all applicable 171-xx, 179-xx CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSROOM	NACCS	LAND SURVIVAL	8	360	8	400
CLASSROOM	LSS	LAND	9	63	7	63
CLASSROOM	NAWSTP	BAY OPS	13	52	13	52
CLASSROOM	RSS	BAY OPS	22	396	22	396
CLASSROOM	FLEET	H2O REFR	17	268	17	268
CLASSROOM	FLEET	INT DEVC	26	344	26	344
CLASSROOM	NACCS	BAY OPS	12	540	12	600
CLASSROOM	AITC	INSTR	101	1,212	101	1,212
CLASSROOM	RITC	INSTR	30	360	30	360
CLASSROOM	NLDP	LDSHP	120	2,120	120	2,200
CLASSROOM	NAMP	AVMAINT	557	4,247	557	4,247
CLASSROOM	DCO	INDOC	77	1,771	77	1,232
CLASSROOM	LCDO/CWO	INDOC	119	2,856	119	2,380
CLASSROOM	TQL	LDSHP	40	272	40	288
CLASSROOM	NACCS	AIRCREW	~~146~~ 29	~~146~~ 1305	~~199~~ 29	~~3,184~~ 1450
CLASSROOM	OCS	INDOC	146	146	199	3184
CLASSROOM	AOO	ORDNANCE	233	1,398	393	1,405
TRNG TNK	NAWSTP	DEVICES	24	96	24	96
TRNG TNK	NACCS	DEVICES	7	315	7	350
TRNG TNK	FLEET	DEVICES	36	844	36	844
TRNG TNK	FLEET	REFRESHR	11	174	11	174
POOL	NAWSTP	SWIM	35	140	35	140
POOL	NACCS	SWIM	54	2,430	54	2,700
GYM	LDO/CWO	PT	12	288	12	240

HEARD CNET N-4433 AoA 28 Apr 94

d. Other Ground Training

1. By Facility Category Code Number (CCN), for facilities in which student pilot/NFO training is conducted, provide the usage requirements for **other than** student pilot/NFO training. Include all applicable 171-*xx*, 179-*xx* CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSROOM	NACCS	LAND SURVIVAL	8	360	8	400
CLASSROOM	LSS	LAND	9	63	7	63
CLASSROOM	NAWSTP	BAY OPS	13	52	13	52
CLASSROOM	RSS	BAY OPS	22	396	22	396
CLASSROOM	FLEET	H20 REFR	17	268	17	268
CLASSROOM	FLEET	INT DEVC	26	344	26	344
CLASSROOM	NACCS	BAY OPS	12	540	12	600
CLASSROOM	AITC	INSTR	101	1,212	101	1,212
CLASSROOM	RITC	INSTR	30	360	30	360
CLASSROOM	NLDP	LDSHP	120	2,120	120	2,200
CLASSROOM	NAMP	AVMAINT	557	4,247	557	4,247
CLASSROOM	DCO	INDOC	77	1,771	77	1,232
CLASSROOM	LCDO/CWO	INDOC	119	2,856	119	2,380
CLASSROOM	TQL	LDSHP	40	272	40	288
CLASSROOM	NACCS	AIRCREW	~~146~~ 29	~~146~~ 1305	~~198~~ 29	~~3,184~~ 1450
CLASSROOM	OCS	INDOC	146	146	199	3184
CLASSROOM	AOO	ORDNANCE	233	1,398	393	1,405
TRNG TNK	NAWSTP	DEVICES	24	96	24	96
TRNG TNK	NACCS	DEVICES	7	315	7	350
TRNG TNK	FLEET	DEVICES	36	844	36	844
TRNG TNK	FLEET	REFRESHR	11	174	11	174
POOL	NAWSTP	SWIM	35	140	35	140
POOL	NACCS	SWIM	54	2,430	54	2,700
GYM	LDO/CWO	PT	12	288	12	240

HEARS CNET N-443 A&A 28 Aug 9

revised page

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To Angela Heard	From Jim MacNeil
Co. CNET	Co. NASC
Dept.	Phone #
Fax # 2.8510	Fax # -

Mission Requirements

d. Other Ground Training

1. By facility Category Code Number (CCN), for facilities in which student pilot/NFO training is conducted, provide the usage requirements for other than student pilot/NFO training. Include all applicable 171-xx, 179-xx CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-20 (CONTD)

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	LDO/CWO	INDOC	119	2856	119	2380
	TQL	LDSHP	40	272	40	288
	NACCS	AIRCREW	29	1305	29	1450
	OCS	INDOC	146	146	199	3184

REYNOLDS 9TR
NASD (110)
7 Jun 94

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot/NFO training is not conducted. Include all applicable 171-xx, 179-xx CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL	LDO/CWO	DRILL	4	96	4	
FIELD	DCO	DRILL	6	69	6	

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To Angela Heard	From Jim MacNeil
Co. CNET	Co. NASC
Dept.	Phone #
Fax # 8.8510	Fax #

Mission Requirements

d. Other Ground Training

1. By facility Category Code Number (CCN), for facilities in which student pilot/NFO training is conducted, provide the usage requirements for other than student pilot/NFO training. Include all applicable 171-*xx*, 179-*xx* CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-20 (CONTD)

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	LDO/CWO	INDOC	119	2856	119	2380
	TQL	LDSHP	40	272	40	288
	NACCS	AIRCREW	29	1305	29	1450
	OCS	INDOC	146	146	199	3184

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot/NFO training is not conducted. Include al applicable 171-*xx*, 179-*xx* CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction or that required to maintain readiness (for permanent/support personnel reserves, etc.).

CCN: 179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL	LDO/CWO	DRILL	4	96	4	
FIELD	DCO	DRILL	6	69	6	

POOL	NACCS	SWIM	54	45,900	54	77,760
GYM	LDO/CWO	PT	12	6,120	12	5,880
POOL	FLEET	SWIM	18	3,060	18	2,520
GYM	OCS	PT	45	1,125	50	15,000
POOL	OCS	SWIM	12	300	17	5,100
CLASSROOM	NAMI	AVN MED	410	53,710	410	53,710
CLASSROOM	NAMI	FLT SURG	823	88,884	823	88,884
PHYSIOLOGY	NAMI	AEROSPACE PHYSIOLOGY	282	9,870	282	9,870

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot/NFO training **is not** conducted. Include all applicable 171-*xx*, 179-*xx* CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		* **FY 1994** Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	59,328	412	79,104
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	80	80	80
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	10,920	312	10,920
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	520	3,120
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	240	4,320
Photo School	USN/USMC/ DOD/Allied	Video Production	680	20,400	680	20,400

UIC: 00204

POOL	FLEET	SWIM	18	900	18	900
~~GYM/POOL~~	~~OCS~~	~~SWIM/PT~~	~~57~~	~~57~~	~~67~~	~~1,072~~
CLASSROOM	NACCS	LECTURE	22	990	22	1,100
SWIM TNK	RSS	SWIM	195	3,049	195	3,049
~~CLASSROOM~~	~~API~~	~~SURVIVE~~	~~8~~	~~336~~	~~8~~	~~400~~
~~CLASSROOM~~	~~API~~	~~BAY OPS~~	~~34~~	~~1,428~~	~~34~~	~~1,700~~
~~CLASSROOM~~	~~API~~	~~LECTURE~~	~~128~~	~~5,376~~	~~120~~	~~6,000~~
~~CLASSROOM~~	~~API~~	~~DEVICES~~	~~8~~	~~336~~	~~8~~	~~400~~
~~GYM/POOL~~	~~API~~	~~SWIM/PT~~	~~23~~	~~966~~	~~23~~	~~1,150~~
CLASSROOM	NAMI	AVN MED	~~410/131~~ 410	53710	410	53710
CLASSROOM	NAMI	FLT SURG	~~823/108~~ 823	88884	823	88884
PHYSIOLOGY	NAMI	AEROSPACE PHYSIOLOGY	~~282/35~~ 282	9870	282	9870

REYNOLDS, GTR NASP (110) 10 Aug 94

REYNOLDS GTR NASP (110) 7 Jun 94

REYNOLDS, GTR NASP (110) 10 Aug 94

10 Aug 94

10 Aug 94

10 Aug 94

By facility Category Code Number (CCN), provide the usage requirements for facilities in which udent pilot/NFO training is not conducted. Include all applicable 171-xx, 179-xx CCN's. This usage ust be derived either from course requirements and student throughput (for formal schools/courses of struction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		* FY 1994 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	59,328	412	79,104
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	80	80	80
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	10,920	312	10,920
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	~~64~~ * N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	~~86~~ N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	520	3,120

HERRO CNET N-443 28 APR 94

~~20-R~~ ~~(6/7/93)~~ ~~Encl (1)~~

Revised page

POOL	FLEET	SWIM	18	900	18	900
GYM/POOL	OCS	SWIM/PT	57	57	67	1,072
CLASSROOM	NACCS	LECTURE	22	990	22	1,100
SWIM TNK	RSS	SWIM	195	3,049	195	3,049
~~CLASSROOM~~	~~API*~~	~~SURVIVE~~	~~8~~	~~336~~	~~8~~	~~400~~
~~CLASSROOM~~	~~API~~	~~BAY OPS~~	~~34~~	~~1,428~~	~~34~~	~~1,700~~
~~CLASSROOM~~	~~API~~	~~LECTURE~~	~~128~~	~~5,376~~	~~120~~	~~6,000~~
~~CLASSROOM~~	~~API~~	~~DEVICES~~	~~8~~	~~336~~	~~8~~	~~400~~
GYM/POOL	API	SWIM/PT	23	966	23	1,150
CLASSROOM	NAMI	AVN MED	410/131			
CLASSROOM	NAMI	FLT SURG	823/108			
PHYSIOLOGY	NAMI	AEROSPACE PHYSIOLOGY	282/35			

Reynolds NASP (110) 7 Jun 94

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot/NFO training **is not** conducted. Include all applicable 171-xx, 179-xx CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN:171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		* FY 1994 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	59,328	412	79,104
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	80	80	80
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	10,920	312	10,920
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	~~64~~ * N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	~~86~~ N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	520	3,120

HERRED CNET N-4433 28 APR 94

POOL	FLEET	SWIM	18	900	18	900
GYM/POOL	OCS	SWIM/PT	57	57	67	1,072
CLASSROOM	NACCS	LECTURE	22	990	22	1,100
SWIM TNK	RSS	SWIM	195	3,049	195	3,049
CLASSROOM	API*	SURVIVE	8	336	8	400
CLASSROOM	API	BAY OPS	34	1,428	34	1,700
CLASSROOM	API	LECTURE	128	5,376	120	6,000
CLASSROOM	API	DEVICES	8	336	8	400
GYM/POOL	API	SWIM/PT	23	966	23	1,150
CLASSROOM	NAMI	AVN MED	410/131			
CLASSROOM	NAMI	FLT SURG	823/108			
PHYSIOLOGY	NAMI	AEROSPACE PHYSIOLOGY	282/35			

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot/NFO training **is not** conducted. Include all applicable 171-*xx*, 179-*xx* CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN:171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		* FY 1994 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	79,328	412	79,104
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	80	80	80
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	10,920	312	10,920
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	~~64~~ * N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	~~88~~ N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	520	3,120

HERAC CNET N-44 28 APR 91

R

Mission Requirements d.1.

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
GYM	OCS	PT	45	45	50	800
POOL	OCS	SWIM	12	12	17	272

Delete this page from Data Call 2. Data has been incorporated into page 20 R (8/18/94).

Reynolds, GTR
NRSP (110)
18 Aug 94

Mission Requirements d.1.

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
GYM	OCS	PT	45	45	50	800
POOL	OCS	SWIM	12	12	17	272

This page replaced by new page 21 and page 21a.

HEAR CNET N-4 28 APR 9

Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320		4,320
Photo School	USN/USMC/ DOD/Allied	Video Production	680	20,400		20,400
Photo School	USAF/USMC	Imagery Production	344	0		8,256
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	592	0		14,208
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	144	0		4,608
Photo School	USAF/USMC/ DOD/Allied	Still Photography	536	0		57,888
Photo School	USA	Combat Documentation/ Production Phase I	672	0		96,768
Photo School	USA	Combat Documentation/ Production Phase II	680	0		16,320
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	296	0		7,400

Type of Training Facility	User	Type of Training	FY 1997 Requirements		FY 2001 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	88,992		0
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	160		0
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	12,968		0
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	64	640		0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	88	8,800		0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120		0
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320		0
Photo School	USN/USMC/ DOD/Allied	Video Production	680	21,760		0
Photo School	USAF/USMC	Imagery Production	344	8,256		0

R

Photo School	USAF/USMC	Imagery Production	N/A	0	344	8,256
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	N/A	0	592	14,208
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	N/A	0	144	4,608
Photo School	USAF/USMC/ DOD/Allied	Still Photography	N/A	0	536	57,888
Photo School	USA	Combat Documentation/ Production Phase I	N/A	0	672	96,768
Photo School	USA	Combat Documentation/ Production Phase II	N/A	0	680	16,320
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	N/A	0	296	7,400

Type of Training Facility	User	Type of Training	* FY 1997 Requirements		FY 2001 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	88,992	N/A	0
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	160	N/A	0
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	19,968	N/A	0
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	64	640	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	88	8,800	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	N/A	0
Photo School	USN/USMC/ DOD/Allied	Video Production	680	21,760	N/A	0
Photo School	USAF/USMC	Imagery Production	344	8,256	N/A	0

HEARD CNET N-44 28 APR 99

Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	240	4,320
Photo School	USN/USMC/ DOD/Allied	Video Production	680	20,400	680	20,400
Photo School	USAF/USMC	Imagery Production	~~344~~	0	344	8,256
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	~~592~~ N/A	0	592	14,208
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	~~144~~ N/A	0	144	4,608
Photo School	USAF/USMC/ DOD/Allied	Still Photography	~~536~~ N/A	0	536	57,888
Photo School	USA	Combat Documentation/ Production Phase I	~~672~~ N/A	0	672	96,768
Photo School	USA	Combat Documentation/ Production Phase II	~~680~~ N/A	0	680	16,320
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	~~296~~ N/A	0	296	7,400

Type of Training Facility	User	Type of Training	FY 1997 Requirements		FY 2001 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	88,992	N/A	0
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	160	N/A	0
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	19,968	N/A	0
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	64	640	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	88	8,800	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	N/A	0

R

Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	592	23,680	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	144	8,064	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Still Photography	536	57,888	N/A	0
Photo School	USA	Combat Documentation/ Production Phase I	672	96,768	N/A	0
Photo School	USA	Combat Documentation/ Production Phase II	680	97,920	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	N/A	0	N/A	0

NOTE: In addition to the FY 93 and FY 2001 information requested, data is also provided for FY 94 and FY 97. Prior to FY 94 the Photography Schools were Navy specific. However, in FY 94, the other services, under the auspices of DOD, temporarily relocated their photo schools to Pensacola. In April 97, all photo schools are scheduled to relocate to new facilities in Ft. Meade, Maryland.

CCN:171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSROOM	NAWSTP	LECTURE	78	4680	78	4680

Photo School	USN/USMC/ DOD/Allied	Video Production	680	21,760		0
Photo School	USAF/USMC	Imagery Production	344	8,256		0
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	592	23,680		0
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	144	8,064		0
Photo School	USAF/USMC/ DOD/Allied	Still Photography	536	57,888		0
Photo School	USA	Combat Documentation/ Production Phase I	672	96,768		0
Photo School	USA	Combat Documentation/ Production Phase II	680	97,920		0
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	~~296~~ N/A	0		0

HEARD CNET N-44 ATA 28 APR

*** NOTE: In addition to the FY 93 and FY 2001 information requested, data is also provided for FY 94 and FY 97. Prior to FY 94 the Photography Schools were Navy specific. However, in FY 94, the other services, under the auspices of DOD, temporarily relocated their photo schools to Pensacola. In APRIL FY 97, all photo schools are scheduled to relocate to new facilities in Ft. Meade, Maryland.**

HEARD CNET N-4433 ATA 28 APR 94

CCN:171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSROOM	NAWSTP	LECTURE	78	312	78	312

HEARD ATA

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
SWIM TANK	RSS	SWIM	130	24,700	130	81,900
CLASSROOM	NACCS	LECTURE	22	18,700	22	31,680
CLASSROOM	RSS	LECTURE	65	12,350	65	40,950
CLASSROOM	NORU *	LECTURE	225	407,925	225	450,000

* NORU TEACHES 17 COURSES TOTAL

CCN:179-40

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
FIRING RANGE	NACCS	PISTOL	4	3,400	4	5,760
FIRING RANGE	LDO/CWO	PISTOL	3	1,530	3	1,470
FIRING RANGE	DCO	PISTOL	5	2,200	5	3,900

CCN:179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL FIELD	LDO/CWO	DRILL	4	2,040	4	1,960
DRILL FIELD	DCO	DRILL	6	2,640	6	4,680

CCN:179-45

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
FIRE TRNG TOWER	NASP	CRASH/ RESCUE CREW FIRE FIGHTING	20	120	40	240

FY 1993 10 STUDENTS X 2 HRS/CLASS X 6 CLASSES/YR = 120 HRS/YR
FY 2001 10 STUDENTS X 4 HRS/CLASS X 6 CLASSES/YR = 240 HRS/YR

Revised page

CCN:179-40

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
PISTOL RANGE	NACCS	PISTOL *QUALS*	4	180	4	200
PISTOL RANGE	LDO/CWO	PISTOL *QUALS*	3	72	3	60
PISTOL RANGE	DCO	PISTOL *QUALS*	5	115	5	50

CCN:179-45

Type of Training Facility	*User*	*Type of Training*	*FY 1993 Requirements*		*FY 2001 Requirements*	
			Hrs/Student	*Hrs/Yr*	*Hrs/Student*	*Hrs/Yr*
FIRE TRNG TOWER	*NASP*	*CRASH/ RESCUE CREW FIREFIGHTING*	*20*	*120*	*40*	*240*

FY 1993: 10 STUDENTS X 2HRS PER CLASS X 6 CLASSES/YR = 120 HRS
FY 2001: 10 STUDENTS X 4HRS PER CLASS X 6 CLASSES/YR = 240 HRS

CCN:179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL FIELD	LDO/CWO	DRILL	4	96	4	96
DRILL FIELD	DCO	DRILL	6	69	6	69

CCN:179-40

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
FIRING RANGE	NACCS	PISTOL	4	180	4	200
FIRING RANGE	LDO/CWO	PISTOL	3	72	3	60
FIRING RANGE	DCO	PISTOL	5	115	5	50

CCN:179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL FIELD	LDO/CWO	DRILL	4	96	4	96
DRILL FIELD	DCO	DRILL	6	69	6	69

revised pg

UIC: 00204

In response to reference (a), question (7):

Data in question c.6. is correct. Modify table as shown:

Facilities c.13.

CCN	Facility Type	Units of Measure	Adequate	Substandard	Inadequate	Comments
179-40	PISTOL RANGE	EA	1	0	0	
179-60	DRILL FIELD	EA	1	0	0	

8 R (7/18/94)

Mission Requirements

e. Other Flight Training Requirements

1. Complete the following table for all non-undergraduate flight training that occurs at your installation.

Type of Training	# of Personnel Trained	Annual # of Flights
C-12 Instr Training Flights	16	22
C-12 Student Training Flights	34	50
C-12 Proficiency Flights	3	6
C-12 NATOPS Check Flights	12	10
* H-3 NATOPS/SAR/Instr Check Rides	4	2
VT-4 Instructor Under Training (IUTS)	4	72
VT-4 Flight Surgeon	1	6
VT-4 Instr Proficiency & Warm Up	10	10
VT-4 NATOPS Checks	17	17
VT-4 Instrument Checks	17	17
VT-10 Midshipmen	535	494
VT-10 Instructor Under Training (IUTS)	48	668
VT-10 NATOPS	65	65
VT-10 Instrument Checks	45	45
VT-86 IUTS	27	176
VT-86 Saudi IMTS	9	36
VT-86 NATOPS	50	50

*** Calculations based on air station assuming SAR responsibilities on 1 March 1994.**

Mission Requirements

f. Training Airframes

1. Provide the number of aircraft (by type) that will be based at each Air Station for use in undergraduate pilot and NFO training programs in the Fiscal Year indicated. Project requirements if necessary.

(a) Air Station: NAS Pensacola

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
T-2	24	21	~~22~~ 20	~~22~~ 20	~~24~~ 20
TA-4J	N/A				
T-34C	35	35	~~29~~ 35	~~29~~ 35	34
T-39	17	17	20	20	22
T-43	N/A				
T-44	N/A				
T-45	N/A				
TH-57B/C	N/A				
* JPATS	0	0	0	0	0

*** Based in info from CNATRA at Commanders' Conference 29-30 March 1994, CTW-6 will not have JPATS available until October 2002.**

CNATRA N5

HEARD
CNET N-4453
~~AOA~~
28 APR 94

Mission Requirements

f. Training Airframes (cont.)

2. Enter the projected inventory of aircraft (by type) that will be based at each Air Station for use in undergraduate pilot and NFO training for the Fiscal Years indicated in the following table. If an aircraft is programmed for deletion or replacement, indicate such in the column when the change will occur. Also indicate which airframe will serve as the replacement (if applicable) and the quantity programmed for use.

(a) Air Station: NAS Pensacola

	FY 1998	FY 1999	FY 2000 **	FY 2001 **
EXAMPLE	**25**	**20 (JPATS 4)**	**10 (JPATS 10)**	**0(JPATS 15)**
T-2	~~24~~ 20	~~24~~ 20	~~24~~ 20	~~24~~ 20
TA-4J	N/A			
T-34C	34	34	34	34
T-39	22	22	22	22
T-43	N/A			
T-44	N/A			
T-45	N/A			
TH-57B/C	N/A			
* JPATS	0	0	0	0

*** Based in info from CNATRA at Commanders' Conference 29-30 March 1994, CTW-6 will not have JPATS available until October 2002.**

CNATRA N5

**** FY 2000, FY2001 not on CNO ltr, projected same as 1999.**

HEARD
CNET N-4433
ATA
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Facilities

a. Airfield

Provide the following information for the home field and each OLF currently used to support undergraduate flight training (18 questions).

1. **Airfield Name:** SHERMAN FIELD **Location**: NAS PENSACOLA FL
   Type and Level of Training Supported: STATION C-12 TRAINING AND TRANSIENTS
   Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
   For OLF: Distance from home field N/A

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
Operational Events	Student Training	38	72	68
	Instructor Training	18	36	32
	Maintenance Flights	86	28	24
	Station Hops/ NALO Flts	616	520	428
	Proficiency Flights	8	2	6
	NATOPS	26	28	24
	Transient	11,704	13,942	15,144

Facilities

a. Airfield (cont)

1. Airfield Name: SHERMAN FIELD **Location:** NAS PENSACOLA FL

Type and Level of Training Supported: ADV E2/C2 PILOT TRNG
Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
For OLF: Distance from home field

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
VT-4 Operational Events	Student Training	25,387	29,761	24,847
	Instructor Training	2,117	2,543	2,117
	Maintenance Flights	200	288	230
	Station Hops/NALO Flts	N/A		
	Proficiency Flights	360	360	360
	NATOPS	360	360	360

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Facilities

a. Airfield (cont)

1. **Airfield Name:** SHERMAN FIELD **Location**: NAS PENSACOLA FL
   Type and Level of Training Supported: NFO PRI/INT TRNG
   Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
   For OLF: Distance from home field

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
VT-10 Operational Events	Student Training	24,192	28,231	29,077
	Instructor Training	1,102	2,539	1,790
	Maintenance Flights	289	324	325
	Station Hops/NALO Flts	N/A		
	Proficiency Flights	0	0	29
	NATOPS	916	644	1,315

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Facilities

a. Airfield (cont)

1. **Airfield Name:** SHERMAN FIELD **Location**: NAS PENSACOLA
   Type and Level of Training Supported: NFO UNDERGRADUATE TRAINING
   Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
   For OLF: Distance from home field

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
VT-86 Operational Events	Student Training	17,215	17,174	14,923
	Instructor Training	186	219	164
	Maintenance Flights T-2	134	192	154
	Station Hops/NALO Flts	N/A		
	Proficiency Flights	320	384	576
	NATOPS	116	140	100

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CNET N-4433
~~A-A~~
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Revision 1

Facilities

a. Airfield (cont)

1. **Airfield Name:** OLF CHOCTAW **Location**: USAF HURLBURT FIELD
   Type and Level of Training Supported: ADV E2/C2 PILOT TRNG
   Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
   For OLF: Distance from home field 30 MILES EAST

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
~~VT-4~~ Operational Events	Student Training *	13,590	14,850	14,130
	Instructor Training	936	936	936
	Maintenance Flights	~~N/A~~ ∅	∅	∅
	Station Hops/NALO Flts	~~N/A~~ ∅	∅	∅
	Proficiency Flights	~~N/A~~ ∅	∅	∅
	NATOPS	~~N/A~~ ∅	∅	∅
	Transient [1]	39647 → ~~N/A~~	43114	39378
	Total Ops	54,173	58,900	54,444

2
CNATRA N3
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*** Approximately 1/3 of all student operations are conducted at OLF Choctaw.**

1 Majority of transient ops Are T-34(c) And TH-57 student And instructor training from TRAINING Air WING FIVE.

2
CNATRA N3
5-18-94

HEARD CNOT N-4433 28 APR 94

Facilities

a. Airfield (cont)

1. **Airfield Name:** OLF CHOCTAW **Location**: USAF HURLBURT FIELD
   Type and Level of Training Supported: ADV E2/C2 PILOT TRNG
   Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
   For OLF: Distance from home field 30 MILES EAST

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
VT-4 Operational Events	Student Training *	13,590	14,850	14,130
	Instructor Training	936	936	936
	Maintenance Flights	N/A		
	Station Hops/NALO Flts	N/A		
	Proficiency Flights	N/A		
	NATOPS	N/A		
	Transient	N/A		
	Total Ops	54,173	58,900	54,444

*** Approximately 1/3 of all student operations are conducted at OLF Choctaw.**

HEARD CNET N-4433 ~~AOA~~ 28 APR 94

Facilities

a. Airfield (cont)

1. **Airfield Name:** OLF BRONSON **Location**: PENSACOLA, FL
   Type and Level of Training Supported: ROTARY WING TRAINING
   Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
   For OLF: Distance from home field 5 MILES WEST

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
Operational Events	Student Training			
	Instructor Training			
	Maintenance Flights			
	Station Hops/NALO Flts			
	Proficiency Flights			
	NATOPS			
	Transient			
	Total Ops	20,276	19,347	11,448

NOTE: OLF Bronson closed with disestablishment of HC-16. Detailed Records not available due to disestablishment.

HEARD
CNET N-4433
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1. **Airfield Name:** OLF CHEVALIER **Location**: NAS PENSACOLA FL

Type and Level of Training Supported: NADEP
Ownership: NAVY **(Air Force/Army/Navy/Civilian)**
For OLF: Distance from home field 2 MILES EAST

2. Complete the table below to describe the airfield's **annual operations**.

		FY 1991	FY 1992	FY 1993
Operational Events	Student Training	N/A		
	Instructor Training	N/A		
	Maintenance Flights	1,358	2,012	2,430
	Station Hops/NALO Flts	N/A		
	Proficiency Flights	N/A		
	NATOPS	N/A		
	Transient	N/A		

NOTE: Chevalier Field closing under BRAC-93.

HEARD
CNET N-4433
~~AMA~~
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Facilities

a. Airfield (cont)

3. Complete the table below to describe the hours the airfield was closed for flight operations.

Figures are each for Sherman Field - OLF Bronson - OLF Chevalier.

		FY 1991	FY 1992	FY 1993
Non-Operational Hours	Standdowns	5	5	5
	Maintenance[3]	0	0	0
	Other Events[4]	72	72	410

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List below the "other events" included in the table above:

Nine holidays, Blue Angels Air Show.

OLF Choctaw		FY 1991	FY 1992	FY 1993
Non-Operational Hours	Standdowns	1	1	1
	Maintenance[5]	0	0	11
	Other Events[6]	215	138	151

List below the "other events" included in the table above:

Holidays, Blue Angels Air Show pratices, PRT, and USAF operations.

[3]Total hours dedicated to facilities maintenance.

[4]Do not include hours lost due to weather restrictions.

[5]Total hours dedicated to facilities maintenance.

[6]Do not include hours lost due to weather restrictions.

Facilities

a. Airfield (cont.)

4. Under normal operations, give the average number of daylight **flying hours** per day and the number of days per year the airfield is scheduled for undergraduate pilot and/or NFO training.

- 11.4 hours for PRI/INT/ADV TRNG
- VT-4 uses Choctaw daylight only and VMC only (8 hrs/day - 237 days/year).
- VT-10: (11 hrs) (237 days/year) = 2,607 hrs.
- VT-86: 10 hrs/day (3 cycle day), 237 days/year = 2,844 hrs.

5. Enter the percentage of daylight undergraduate pilot and/or NFO training flying hours lost during each of the last three years due to weather, other military flights, commercial/civilian flights, or other reasons (e.g., equipment problems).

Factor	**PILOT**	Percentage Lost		
		FY 91	FY 92	FY 93
Weather	Primary	N/A		
	Intermediate	N/A		
	Advanced	15.25	15.25	15.25
Other Military Flights (non-UPT)		N/A		
Civilian/Commercial Flights		N/A		
Other		N/A		
	Total	15.25	15.25	15.25

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DATA CALL 2

Facilities

a. Airfield (cont.)

Factor	NFO	Percentage Lost		
		FY 91	FY 92	FY 93
Weather	Primary	22	22	22
	Intermediate T-34	22	22	22
	Intermediate T-39	7	7	7
	Advanced	14	14	14
	Averaged Total	***16.25***	***16.25***	***16.25***
Advanced NFO T-39		FY 91	FY 92	FY 93
RIO		4	4	4
TN		10	10	10
OJN		4	4	4
Other Military Flights (non-UPT)				
Civilian/Commercial Flights				
Other				
	Averaged Total	***6***	***6***	***6***

6. List the major factors in the "other" category in the above table.

N/A

7. Using historical data, enter the number of daylight hours of VFR and IFR conditions.

	FY 1991	FY 1992	FY 1993
IFR *	***293***	***293***	***293***
VFR *	***2,409***	***2,409***	***2,409***

*** Note this chart is computed off of FLENUMMETOC ltr 3146 Ser 276 of 14 Apr 94.** (ATTACH. A)

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HEADED CRET N MT. APA 20 Jul

Facilities

a. Airfield (cont.)

Factor	NFO	Percentage Lost		
		FY 91	FY 92	FY 93
Weather	Primary	22	22	22
	Intermediate T-34	22	22	22
	Intermediate T-39	7	7	7
	Advanced	14	14	14
	Total	65	65	65
Advanced NFO T-39		FY 91	FY 92	FY 93
RIO		4	4	4
TN		10	10	10
OJN		4	4	4
Other Military Flights (non-UPT)		N/A		
Civilian/Commercial Flights		N/A		
Other		N/A		
	Total	18	18	18

6. List the major factors in the "other" category in the above table.

N/A

7. Using historical data, enter the number of daylight hours of VFR and IFR conditions.

	FY 1991	FY 1992	FY 1993
IFR	* SEE NOTES		
VFR			

NOTES:

1. Percentages based from 38 years of data:
IFR at 0500 - 18 percent; 0800 - 14 percent; 1100 - 9 percent; 1400 - 7 percent; 1700 - 8 percent.

2. Data requested to follow NLT 15 April 1994; being sent via Federal Express Climate Complex, Asheville, NC. POC: LCDR Ruth.

* INFORMATION WILL BE FORWARDED.

HEARD CNET N-4433 AOA - CAPT 4

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DATA CALL 2

Facilities

a. Airfield (cont.)

The following is submitted based upon 237 training days (provided by CNATRA). Total daylight average for the year is computed at 11.4 hours per day. The airfield is computed to be IMC 12% of all daylight training hours available. The following chart depicts how data was obtained.

Time of Day	*Hours*	*Total Hours*	*IFR%*	*IFR Hours*	*VFR Hours*
0636 - 0800	*1.4*	*332*	*18%*	*60*	*272*
0800 - 1100	*3.0*	*711*	*14%*	*100*	*611*
1100 - 1400	*3.0*	*711*	*9%*	*64*	*647*
1400 - 1700	*3.0*	*711*	*7%*	*50*	*661*
1700 - 1800	*1.0*	*237*	*8%*	*19*	*218*
Total	*11.4*	*2702*		*293*	*2409*

For the purposes of this question, the answer provided is essentially correct. CNATRA uses 12.1 hours as average standard daylight hours.

2
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7-10-94

Facilities

a. Airfield (cont.)

8. For each independent runway complex, provide the percentage of daytime and nighttime airfield usage for undergraduate flight training over the past year. Use a separate table for each runway complex. (Note: The percentages in each column should sum to 100.)

Runway Complex Name: SHERMAN FIELD

Type of Training	Level of Training	FY 1993 Runway Use (Percent)	
		Day	Night
General N/A	Primary		
Strike N/A	Intermediate		
	Advanced		
E2/C2	Intermediate	N/A	N/A
	Advanced	17	16
Maritime N/A	Intermediate		
	Advanced		
Rotary N/A	Intermediate		
	Advanced		
NFO	Primary	28	33
	Intermediate	30	36
	Advanced	25	15
	Total	100	100

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Facilities

a. Airfield (cont.)

Runway Complex Name: OLF CHOCTAW

Type of Training	Level of Training	FY 1993 Runway Use (Percent)	
		Day	Night
General N/A	Primary		
Strike N/A	Intermediate		
	Advanced		
E2/C2	Intermediate	N/A	N/A
	Advanced	100	0
Maritime N/A	Intermediate		
	Advanced		
Rotary N/A	Intermediate		
	Advanced		
NFO N/A	Intermediate		
	Advanced		
	Total	100	0

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Facilities

a. Airfield (cont.)

9. Given the current mix of aircraft assigned to your air station, what is the average number of operations per hour this airfield can support/sustain over a one year period (assume 237 operating days per year). This number should take in account reductions in operations due to weather and the times the airfield is closed to undergraduate pilot/NFO training (i.e., calculations should be based on the methodology in the FAA's Airport Capacity and Delay manual). Show how this number was derived..

SEE PAGES 38 (a) AND 38 (b)

NAS PENSACOLA	OLF CHOCTAW
65	56

10. Give the percent of VFR and IFR flight operations which are touch-and-go's.

NAS PENSACOLA

	Percent Touch-and-Go's
VFR	30
IFR	10

OLF CHOCTAW

	% TOUCH AND GO'S
VFR	90
IFR	0

CNATRA N3

11. Give the percent of departures and arrivals at this airfield

BOTH NAS PENSACOLA AND OLF CHOCTAW

	Percent Departures	Percent Arrivals
VFR	50	50
IFR	50	50

12. Discuss the factors that constrain the number of available student flying hours per day (e.g., AICUZ agreements).

None

13. Assuming that airfield operations are not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, aircraft mix, etc., what additional capacity (in flight operations per hour) could be gained? Provide details and assumptions for all calculations[7].

Using FAA criteria: Parallels - Max Hourly capacity would be 129 VFR/56 IFR and on Single Rwy 68 VFR/51 IFR.

Currently averaging 12.3 ops for each hour opened, realistic sustained hourly operations (18 hours) would be approximately 50% of Max Hourly capacity - parallels 65 VFR/ 25 IFR and on single Rwy 35 VFR/25 IFR.

[7]Answer for each independent runway complex.

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Weather	Runway-use Diagram	Runway-use No.	Capacity Figure No.	Aircraft Mix %A	Aircraft Mix %B	Aircraft Mix %C	Aircraft Mix %D	Mix Index %(C+3D)	Percent Arrivals	Percent Touch & Go	Runway Exits (00 feet) Location			Runway Exits (00 feet) No.	Hourly Capac. Base C*	T & G Factor T	Exit Factor E	Hourly Capacity (000) C*·T·E
1	2	3	4	5	6	7	8	9	10	11	12			13	14	15	16	17
VFR		9	3-9		45	53	2	59	50%	30				2	118	1.2	.91	129
IFR			3-44							10					56	1.	1.	56
VFR		1	3-3		45	53	2	59	50%	30				2	62	1.2	.91	68
IFR			3-43							10					56	1.	.91	51

Figure A5-2. Hourly capacity runway component

1.6% - BELOW MINIMUMS
.8% - BLUE ANGEL PRACT.

2.4%

$$\frac{(P_1 \cdot C_1 \cdot W_1) + (P_2 \cdot C_2 \cdot W_2) + \ldots + (P_n \cdot C_n \cdot W_n)}{(P_1 \cdot W_1) + (P_2 \cdot W_2) + \ldots + (P_n \cdot W_n)} = C_w$$

$$\frac{9494.4 + 8400 + 22576 + 1785}{73.6 + 150 + 332 + 35 + 60} = \frac{42255.4}{650.6} = 64.95$$

Operating Condition			Mix Index	Percent of Year (P)	Hourly Capacity (C)	Percent Maximum Capacity	Weighting Factor (W)
No.	Weather	Rwy-use Diagram					
1	2	3	4	5	6	7	8
1	VMC		59	73.6	129	100	1
2	IMC		59	6.0	56	43	25
3	VMC		59	16.6	68	53	20
4	IMC		59	1.4	51	40	25
5	IMC		59	2.4	Ø	Ø	25

Figure A5-6. Annual service volume

Revised page

Facilities

a. Airfield (cont.)

14. 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).

AICUZ restricts jet traffic to the South and East of the field. Majority of airspace within 100nmi. of station is already Special-Use Airspace and further expansion is limited.

NAS Pensacola does not have a current approved AICUZ Plan. The former plan was approved in 1976, but is obsolete. A draft updated plan and Environmental Assessment was developed in 1990 to reflect changed traffic patterns and aircraft mix, but has not yet been approved. This update is currently under review at NAVFACENGCOM; latest information is that plan is being further developed to include data from mathematical modeling on T-44/T-45 aircraft with completion estimated in December 1994. Little change in the AICUZ footprint is anticipated. Noise contours and accident potential zones described in the draft plan are incorporated in the Urban Area Land Use Regulation of Escambia County, Florida, Ordinance 89-27. This ordinance limits community development density in air station environs; it does not restrict NAS Pensacola flight hours or operations. R

15. Give the designation, length, width, load capacity, lighting configurations, and type of arresting gear for each runway.

SHERMAN FIELD Runway	Length (ft)	Width (ft)	Weight Bearing Capacity	Lighting				Arresting gear (Type)
				F	P	C	N	
07R/25L	8,001	200	C141		X			E-28 E-5
07L/25R	8,002	200	C141		X			E-28 E-5
01/19	7,137	200	C141		X			E-28 E-5

NOTE: Runway 07R has approach lites.

OLF CHOCTAW Runway	Length (ft)	Width (ft)	Weight Bearing Capacity	Lighting				Arresting gear (Type)
				F	P	C	N	
18/36	8,000	150	C130		X	X		E-28 E-5
05/23	4,000	175	Closed					
11/29	3,600	175	Closed					

Facilities

a. Airfield (cont.)

14. 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).

AICUZ restricts jet traffic to the South and East of the field. Majority of airspace within 100nmi. of station is already Special-Use Airspace and availability of expansion is difficult.

15. Give the designation, length, width, load capacity, lighting configurations, and type of arresting gear for each runway.

SHERMAN FIELD Runway	Length (ft)	Width (ft)	Weight Bearing Capacity	Lighting				Arresting gear (Type)
				F	P	C	N	
07R/25L	8,001	200	C141 (TT 381.8K)		X			E-28 E-5
07L/25R	8,002	200	C141 (TT 381.8K)		X			E-28 E-5
01/19	7,137	200	C141 (TT 357.2K)		X			E-28 E-5

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NOTE: Runway 07R has approach ~~lites~~. LIGHTS

OLF CHOCTAW Runway	Length (ft)	Width (ft)	Weight Bearing Capacity	Lighting				Arresting gear (Type)
				F	P	C	N	
18/36	8,000	150	C130 (TT 243.6K)		X	X		E-28 E-5
05/23	4,000	175	Closed					
11/29	3,600	175	Closed					

CNATRA N61

Facilities

a. Airfield (cont.)

OLF BRONSON Runway	Length (ft)	Width (ft)	Weight Bearing Capacity	Lighting				Arresting gear (Type)
				F	P	C	N	
04/23	4,350	150	CH-47				X	
18/36	4,000	150	CH-47				X	
14/32	3,965	150	CH-47				X	
09/27	4,000	150	CH-47				X	

OLF CHEVALIER: Helo pad, unlit, utilized by NADEP helos, closed to all other traffic. (Closing under BRAC-93)

F -- Full Lighting (approach, runway edge, center, and threshold)
P -- Partial Lighting (less than full)
C -- Carrier Deck Lighting Simulated (embedded)
N -- No lighting

Facilities

a. Airfield (cont.)

16. In the table below indicate the Navy, Army and Air Force Training Aircraft that can use each runway.

SHERMAN FIELD			
Runway	Navy	Army	Air Force
07/25 R and L	All	All	All
01/19	All	All	All (except T-38s - they prefer 8,000' runways)

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Facilities a. Airfield (cont) 17.

NAS PENSACOLA, FORREST SHERMAN FIELD

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	526,774	0	0	
111-15	Runways Rotor Wing	SY	0	0	0	
111-20	Landing Pads	SY	77,500	0	0	
113-20	Parking Apron	SY	79,333	294,911	0	
113-40	Access Aprons	SY	36,016	0	0	
121-10	Direct Fueling	OL/GM	1/50	0	0	
121-20	Truck Fueling	OL/GM	8/3,200	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	0	0	0	
136-36	Carrier Lighting	EA	0	0	0	
149-30	Arresting Gear	EA	2	0	0	
421-xx	Ammunition Storage	CF	83,597	9,600	0	
425-xx	Open Ammunition Storage	SY	17	0	0	

X

~~Encl (1)~~

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DATA CALL 2, PAGE 42, QUESTION a.17.

NAS PENSACOLA, FORREST SHERMAN FIELD

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	526,774	0	0	
111-15	Runways Rotor Wing	SY	0	0	0	
111-20	Landing Pads	SY	77,500	0	0	
113-20	Parking Apron	SY	79,333	294,911	0	
113-40	Access Aprons	SY	36,016	0	0	
121-10	Direct Fueling	OL/GM	1/50	0	0	
121-20	Truck Fueling	OL/GM	8/3,200	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	0	0	0	
136-36	Carrier Lighting	EA	0	0	0	
149-30	Arresting Gear	EA	2	0	0	
421-xx	Ammunition Storage	CF	83,597	9,600	0	
425-xx	Open Ammunition Storage	SY	17	0	0	

OLF CHOCTAW

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	233,333	77,778	74,095	
111-15	Runways Rotor Wing	SY	0	0	0	
111-20	Landing Pads	SY	0	0	0	
113-20	Parking Apron	SY	31,920	0	0	
113-40	Access Aprons	SY	540	0	0	
121-10	Direct Fueling	OL/GM	0	0	0	
121-20	Truck Fueling	OL/GM	0	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	50,000	0	0	
136-36	Carrier Lighting	EA	2	0	0	
149-30	Arresting Gear	EA	4	0	0	
421-xx	Ammunition Storage	CF	0	0	0	
425-xx	Open Ammunition Storage	SY	0	0	0	

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OLF CHOCTAW

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	233,333	77,778	74,095	
111-15	Runways Rotor Wing	SY	0	0	0	
111-20	Landing Pads	SY	0	0	0	
113-20	Parking Apron	SY	31,920	0	0	
113-40	Access Aprons	SY	540	0	0	
121-10	Direct Fueling	OL/GM	0	0	0	
121-20	Truck Fueling	OL/GM	0	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	50,000	0	0	
136-36	Carrier Lighting	EA	2	0	0	
149-30	Arresting Gear	EA	4	0	0	
421-xx	Ammunition Storage	CF	0	0	0	
425-xx	Open Ammunition Storage	SY	0	0	0	

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OLF BRONSON (Closed facility. No longer suitable for fixed wing training)

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	0	0	0	
111-15	Runways Rotor Wing	SY	0	469,251	342,993	
111-20	Landing Pads	SY	0	0	0	
113-20	Parking Apron	SY	0	210,759	0	
113-40	Access Aprons	SY	0	32,290	0	
121-10	Direct Fueling	OL/GM	0	0	0	
121-20	Truck Fueling	OL/GM	0	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	0	0	0	
136-36	Carrier Lighting	EA	0	0	0	
149-30	Arresting Gear	EA	0	0	0	
421-xx	Ammunition Storage	CF	0	0	0	
425-xx	Open Ammunition Storage	SY	0	0	0	

DATA CALL 2, PAGE 64, QUESTION e.1.

Data submitted in this table does not include assets currently assigned to NADEP Pensacola, UIC N65889, which are being utilized in BRAC 93 migrations. FOR CCN 600-xx, including those assets:

ADEQUATE	SUBSTANDARD	INADEQUATE
659,327	87,440	84,247

Table B.3. in Data Call 3, reported 610-10 only. The original submission indicated only those assets available at the airfield (i.e., Forrest Sherman Field), not the entire station. Original numbers were modified by CNATRA to include all Administrative Offices on the installation. These revised numbers do not correlate with NAS Pensacola records.

SH
CNET N443X
8/17/94

Tables on appropriate pages to be revised accordingly.

42-b (R 4 Aug 94)

Encl (1)

R

UIC: 00204

OLF BRONSON (Closed facility. No longer suitable for fixed wing training)

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	0	0	0	
111-15	Runways Rotor Wing	SY	0	469,251	342,993	
111-20	Landing Pads	SY	0	0	0	
113-20	Parking Apron	SY	0	210,759	0	
113-40	Access Aprons	SY	0	32,290	0	
121-10	Direct Fueling	OL/GM	0	0	0	
121-20	Truck Fueling	OL/GM	0	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	0	0	0	
136-36	Carrier Lighting	EA	0	0	0	
149-30	Arresting Gear	EA	0	0	0	
421-xx	Ammunition Storage	CF	0	0	0	
425-xx	Open Ammunition Storage	SY	0	0	0	

ENCL (1)

R

UIC: 00204

Forrest Sherman Field	Adequate	Substandard	Inadequate
Runways	526,774	0	0
Taxiways	257,685	0	0
Parking Aprons	79,333	294,911	0
TOTAL	**863,792**	**294,911**	**0**
OLF Choctaw			
Runways	233,333	77,778	74,095
Taxiways	110,242	0	0
Parking Aprons	31,920	0	0
TOTAL	**375,495**	**77,778**	**74,095**
OLF Bronson	**(OLF Bronson is a closed facility which is not suitable for fixed wing training)**		
Runways	0	469,251	342,993
Taxiways	0	21,249	0
Parking Aprons	0	210,759	0
TOTAL	**0**	**701,259**	**342,993**

ENCL (1)

Facilities

a. Airfield (cont.)

17. For the following category codes, provide the amount of adequate, substandard, and inadequate facilities as defined by NAVFACINST 11000.44E.

CCN	Facility Type	Unit Measure	Adequate	Substandard	Inadequate	Comments
111-10	Runways Fixed Wing	SY	760,107	77,778	74,095	
111-15	Runways Rotor Wing	SY	0	469,251	342,993	
111-20	Landing Pads	SY	77,500	0	0	
113-20	Parking Aprons	SY	111,253	505,670	0	
113-40	Access Aprons	SY	36,556	32,290	0	
121-10	Direct Fueling	OL/GM	1/50	0	0	
121-20	Truck Fueling	OL/GM	8/3,200	0	0	
121-30	Defueling	OL/GM	0	0	0	
124-30	Fuel Storage	GA	50,000	0	0	
136-36	Carrier Lighting	EA	2	0	0	
149-30	Arresting Gear	EA	6	0	0	
421-xx	Ammunition Storage	CF	25,974	9,600	0	
425-xx	Open Ammunition Storage	SY	17	0	0	

18. 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: **RUNWAY, FIXED WING (OLF CHOCTAW),111-10**
b. WHAT MAKES IT INADEQUATE? **Def. Code F35 - Total pavement obsolescence**
c. WHAT USE IS BEING MADE OF THE FACILITY? **None**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$750,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Parking apron open storage $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **None**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

Facilities

a. Airfield (cont.)

a. FACILITY TYPE/CODE: **RUNWAY, ROTARY WING (OLF BRONSON), 111-15**
b. WHAT MAKES IT INADEQUATE? **Def. Code B30 - Functional criteria - Total structure**
c. WHAT USE IS BEING MADE OF THE FACILITY? **None**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$1,800,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Parking apron, open storage $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **None**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

Facilities

b. Airspace

1. Give the number of workable blocks of airspace and the average dimensions (n.mi. x n.mi. x ft) of these blocks for each type and level of **PILOT** training and trainer aircraft. Note that a workable block of airspace must be large enough to support the required training maneuvers/evolutions without interfering with another block and have an ingress/egress route that does not go through other airspace blocks.

SEE PAGES ~~45~~ 44 (a) and ~~45~~ 44 (b). No common method to determine what a workable block of airspace is - as the requirement varies with type of training being done.

Type of Pilot Training	Level of Pilot Training	Trainer Aircraft	# Workable Blocks of Airspace	Average Block Dimensions
General	Primary	T-34C		
		JPATS[8]		
Strike	Intermediate	T-2C		
	Advanced	TA-4J		
	Intermediate/ Advanced	T-45[8]		
E2/C2	Intermediate	T-44	N/A	N/A
	Advanced	T-2	SOUTH MOA-3*	25nmX19nmX8000 ft*
		T-45[8]	N/A	N/A
Maritime	Intermediate	T-34C		
		JPATS[8]		
	Advanced	T-44		
Rotary	Intermediate	TH-57		
	Advanced	T-34C		
		JPATS[8]		
		Total	3	

2. If the transit corridors between training areas and air station limits the number of aircraft that can train concurrently (i.e. can't safely use all blocks) give this limitation and explain what this number is based on. Break this information out by type and level of training if appropriate.

No limits

* Airspace fiigures reflect actual usage of airspace based upon assigned PTR mix. Numbers of workable blocks and average block size change and are dependent upon assigned PTR

CNATRA N3

* If requirements are still being deived, give best estimate.

~~45~~ 44 HQRD CNET N-4433 ~~ADA~~ 26 APR 94

Facilities

Answers to Questions b.1. and b.3.:

AREAS	SQUARE MILES	ALTITUDE
W-155A		
AREA ONE	681*	SFC - FL600
AREA TWO	506*	SFC - FL600
AREA THREE	1122*	SFC - FL600
TOTAL	2309	
W-155B		
AREA FIVE	1470*	SFC - FL600
AREA SIX	1276*	SFC - FL600
TOTAL	2746	
GRAND TOTAL W-155	5055	
ATCAAs		
EAGLE ZULU ONE	2708	2000' - FL230
EAGLE ZULU TWO	1596	2000' - FL230
EAGLE ZULU THREE	1838	2000' - FL180
EAGLE ZULU FOUR	1310	2000' - FL180
EAGLE ZULU FIVE	1717	2000' - FL600
W-453	1205	SFC - FL600
EAGLE GOLF ONE	943	2000' - FL500
EAGLE GOLF TWO (including W-453)	2132	2000' - FL 500

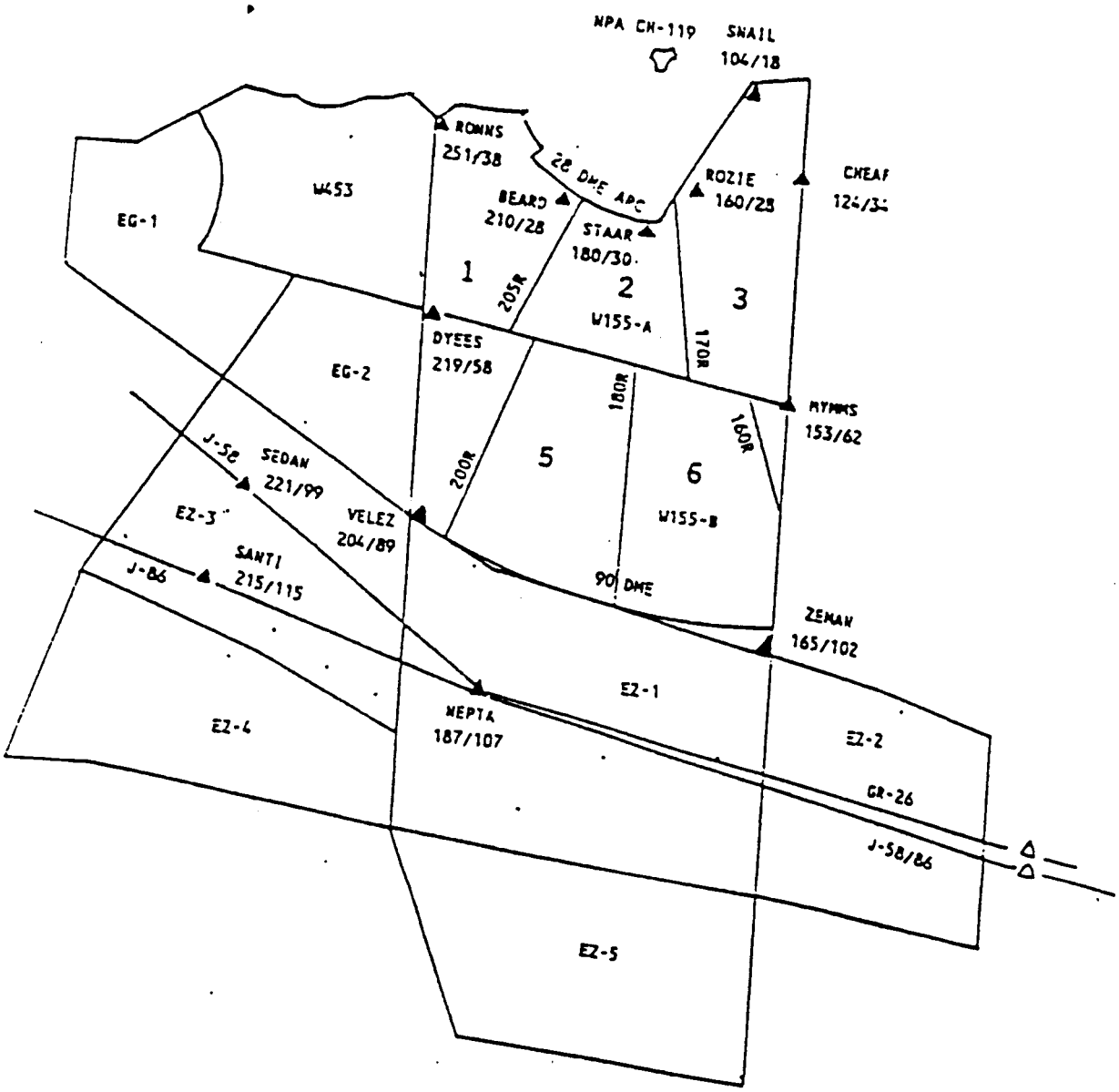
*amounts can be split in half

HOARD CNOT N-4433 Art 28 Apr 94 44 a

~~45 (a)~~ 2 CNATRA N3

~~46 (a)~~

SJI CH-100



CNET N-4453
HEARD
~~ATA~~

44b

~~45 (b)~~

2
CNATRA N-3

~~11/4~~

Facilities

b. Airspace (cont.)

3. Provide the number of workable blocks of airspace and the average dimensions (n.mi. x n.mi. x ft) of these blocks for each type and level of **NFO** training and trainer aircraft. Note that a workable block of airspace must be large enough to support the required training maneuvers/evolutions without interfering with other blocks and have an ingress/egress route that does not go through other airspace blocks.

SEE PAGES ~~43~~ 44 (a) and ~~43~~ 44 (b). No common method to determine what a workable block of airspace is - as the requirement varies with type of training being done.

Type of NFO Training	Level of NFO Training	Trainer Aircraft	# Workable Blocks of Airspace	Average Block Dimensions
General	Primary	T-34	SOUTH MOA-3*	25nmX19nmX8000ft (10,500 - FL180)
		JPATS[9]	N/A*	N/A
General	Intermediate	T-34/T-39	SOUTH MOA-3*/**	25nmX19nmX8000ft (10,500 - FL180)
		JPATS[9]	N/A	N/A
NAV	Advanced	T-43	N/A	N/A
TN/BN	Advanced	T-2	SOUTH MOA-3* W-155-5*/**	25nmX19nmX8000ft (10,500 - FL180) 20nmX22nmX~~60,000ft~~ 29,000'
	Advanced	T-39	N/A**	N/A**
RIO	Advanced	T-2	SOUTH MOA-3* W-155-5*/**	25nmX19nmX8000ft (10,500 - FL180) 20nmX22nmX~~60,000ft~~ 29,000'
	Advanced	T-39	W-155-3*/**	20nmX22nmX~~60,000ft~~ 29,000'
OJN	Advanced	T-2	SOUTH MOA-3* W-155-3*	25nmX19nmX8000ft (10,500 - FL180) 20nmX22nmX~~60,000ft~~ 29,000'
	Advanced	T-39	W-155-3*/**	20nmX22nmX~~60,000ft~~ 29,000'
ATDS	Advanced	E-2C	N/A	N/A
		Total	SOUTH MOA-3 BLOCKS W-155-5 BLOCKS	

2 CNATRA N3

4. If the transit corridors between training areas and air station limits the number of aircraft that can train concurrently (i.e. can't safely use all blocks) give this limitation and explain what this number is based on. Break this information out by type and level of training if appropriate.

No limits

* Airspace figures reflect actual usage of airspace based upon assigned PTR mix. Numbers of workable blocks and average block size change and are dependent upon assigned PTR.
** MTR and ATCAA airspace is also used.

2 CNATRA N3

Workable blocks in MOA and WARNING AREA will increase as PTR increases.
2 CNATRA N3

[9] If requirements are still being derived, give best estimate

HEARD
CNET N-4433
ATA
28 APR 94

Facilities

b. Airspace (cont.)

5. List all the General and Special Use Airspace (SUA) (e.g., alert areas, restricted areas, warning areas, and MOAs) and airspace-for-special-use (e.g., ranges and low level training routes) within 100 n.mi. of the air station that are used for flight training. For each airspace provide the following information (seven questions):

FOR (a) THROUGH (g) SEE PAGES 47 THROUGH 52.

(a) Provide the type, name, location, size (nmi. x nmi. x ft), available times, airspace controlling activity, scheduling activity, method of scoring/recording, and proximity to airport traffic areas.

(b) Is the airspace under radar and/or communications coverage/control? If so, who provides the services?

(c) Does the Navy own the land below the training airspace under your cognizance? If not, do you control any real property interest? If so, describe the agreements and when these agreements are up for renewal?

(d) What is the distance and time en route?

(e) Are there any environmental limitations in or surrounding any of the training areas (air, land or sea) that impede the mission? If so, provide details.

(f) Is land sea or air encroachment an issue which endangers long term availability of any training areas? If so, provide details.

(g) 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.

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CNATRA N3

Warning Area W-155A

(a) Warning Area; 155A; Gulf of Mexico south of Pensacola; 2,309 square nautical miles; Surf - FL600; 7 days a week; sunrise to 0100 local, other times by NOTAM; FAA, ARTCC, Jacksonville, FL.; FACSFAC Pensacola; Facsked Program; 30 miles south of Pensacola TRACON.

(b) Yes, NAS Pensacola, callsign Seabreeze.

(c) No.

(d) 30 miles, 10 minutes.

(e) No.

(f) No.

(g) Yes, Workload in W-155A could be increased by Approx. 465%. Percentage is based on a daily Max capacity of 84 (7 workable blocks x 12 useable time periods) and average use currently at 15 operations per day.

Warning Area W-155B

(a) Warning Area; 155B; Gulf of Mexico south of Pensacola; 2,746 square nautical miles; Surf - FL600; 7 days a week; sunrise to 0100 local, other times by NOTAM; FAA, ARTCC, Jacksonville, FL.; FACSFAC Pensacola; Facsked Program; 30 miles south of Pensacola TRACON.

(b) Yes, NAS Pensacola, callsign Seabreeze.

(c) No.

(d) 50 miles, 15 minutes.

(e) No.

(f) No.

(g) Yes, Workload in W-155A could be increased by Approx. 800%. Percentage is based on a daily Max capacity of 84 (7 workable blocks x 12 useable time periods) and average use currently at 9 operations per day.

Warning Area 453

(a) Warning Area; 453; Gulf of Mexico, south of Pascagoula, MS.; 1,205 square nautical miles; Surf - FL500; 7 days a week; sunrise to sunset, other times by NOTAM; FAA, ARTCC Houston, TX.; ANG Trng, Gulfport, MS.; 50nmi.

(b) Yes, ANG Trng, Gulfport, MS. callsign "Guarddog".

(c) No.

(d) 40 miles, 13 minutes.

(e) No.

(f) No.

(g) Awaiting data from ANG Gulfport, MS.

Warning Area W-151A

(a) Warning Area; 151A; Gulf of Mexico south of Eglin AFB, FL.; 2,520 square nautical miles; Surf - Unlimited; Intermittent; FAA, ARTCC, Jacksonville, FL.; 3246 TestW/DOSO Eglin AFB, FL.; N/A; 20nmi.

(b) Yes, Eglin AFB, callsign Retail.

(c) No.

(d) 30 miles, 10 minutes.

(e) No.

(f) No.

(g) Awaiting data from 3246 TestW Eglin AFB.

Warning Area W-151B

(a) Warning Area; 151B; Gulf of Mexico south of Eglin AFB, FL.; 3,038 square nautical miles; Surf - Unlimited; Intermittent; FAA, ARTCC, Jacksonville, FL.; 3246 TestW/DOSO Eglin AFB, FL.; N/A; 40nmi.
(b) Yes, Eglin AFB, callsign Retail.
(c) No.
(d) 70 miles, 22 minutes.
(e) No.
(f) No.
(g) Awaiting data from 3246 TestW Eglin AFB.

Warning Area W-151C

(a) Warning Area; 151C; Gulf of Mexico south of Eglin AFB, FL.; 1,806 square nautical miles; Surf - Unlimited; Intermittent; FAA, ARTCC, Jacksonville, FL.; 3246 TestW/DOSO Eglin AFB, FL.; N/A; 30nmi.
(b) Yes, Eglin AFB, callsign Retail.
(c) No.
(d) 63 miles, 20 minutes.
(e) No.
(f) No.
(g) Awaiting data from 3246 TestW Eglin AFB.

VR 1020

(a) Visual Flight Route 1020; Originating 55 miles Northwest from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC uses the Military Airspace Management System. FACSFAC also keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.
(b) No.
(c) No.
(d) 55 Nautical miles, 14 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

VR 1021

(a) Visual Flight Route 1021; Originating 55 miles West from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC uses the Military Airspace Management System. FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 5nmi.
(b) No.
(c) No.
(d) 55 Nautical miles, 14 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

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VR 1022

(a) Visual Flight Route 1020; Originating 75 miles West from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC uses the Military Airspace Management System. FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 30nmi.

(b) No.

(c) No.

(d) 75 Nautical miles, 19 minutes.

(e) No.

(f) No.

(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

VR-1023

(a) Visual Flight Route 1023; Originating 53 miles West from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 30nmi.

(b) No.

(c) No.

(d) 53 miles, 13 minutes.

(e) No.

(f) No.

(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

VR-1024

(a) Visual Flight Route 1024; Originating 50 miles West from Pensacola, FL.; 300nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 5nmi.

(b) No.

(c) No.

(d) 55 miles, 13 minutes.

(e) Minor modifications of altitude on route structure were required to eliminate overflight of small agricultural activities.

(f) No.

(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

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CNATRA N3

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IR-021

(a) Instrument Flight Route 021; Originating 28 miles Northeast from Pensacola, FL.; 400nmi x 6nmi x 11,000'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.

(b) No.
(c) No.
(d) 28 miles, 7 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

IR-037

(a) Instrument Flight Route 037; Originating 67 miles West from Pensacola, FL.; 150nmi x 6,000'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.

(b) No.
(c) No.
(d) 67 miles, 17 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

IR-038

(a) Instrument Flight Route 038; Originating 53 miles West from Pensacola, FL.; 20nmi x 2,000'; sunrise-sunset weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 5nmi.

(b) No.
(c) No.
(d) 53 miles, 13 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

IR-040

(a) Instrument Flight Route 040; Originating 53 miles West from Pensacola, FL.; 150nmi.; 5000'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.

(b) No.
(c) No.
(d) 53 miles, 13 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

2
CNATRA N3

Pensacola North Military Operating Area

(a) Military Operating Area; Pensacola North; 30 miles north of Pensacola, FL.; 1,209 square miles; 10,000 - FL180; Normally sunrise to sunset Mon - Sat, occasional night operations until midnight; FAA, ARTCC Jacksonville, FL.; COMTRAWING SIX; Whiting; 1/2nmi.
(b) ???
(c) No.
(d) 30 miles, 10 minutes.
(e) No.
(f) No.
(g) Based on historical data, annual training can easily be doubled and possibly tripled with out having an adverse effect on safety of flight.

Pensacola South Military Operating Area

(a) Military Operating Area; Pensacola South; overhead NAS Pensacola; 1,196 square miles; 10,000 - FL180; Intermittent sunrise to 2400 Mon - Sat; FAA, Pensacola ATC Tower; COMTRAWING SIX; NAVFLIR; N/A.
(b) Yes, Pensacola TRACON.
(c) No.
(d) 0 miles, 5 minutes.
(e) No.
(f) No.
(g) Based on historical data, annual training can easily be doubled and possibly tripled with out having an adverse effect on safety of flight.

Eagle Gulf 1

(a) Air Traffic Control Assigned Airspace; Eagle Gulf One; Southeast of Gulfport, MS.; 864 square nautical miles; 20 - FL500; Sunrise to 0100 local; ANG Trng Gulfport, MS.; ANG Trng Gulfport, MS.; N/A; 15nmi.
(b) Yes, ANG Trng Gulfport, MS.
(c) No.
(d) 60 miles, 15 minutes.
(e) No.
(f) No.
(g) Awaiting data from ANG Trng MS.

Eagle Gulf 2

(a) Air Traffic Control Assigned Airspace; Eagle Gulf Two; South of Gulfport, MS.; 2,132 square nautical miles; 20 - FL500; Sunrise to 0100 local; ANG Trng Gulfport, MS.; ANG Trng Gulfport, MS.; N/A; 43nmi.
(b) Yes, ANG Trng Gulfport, MS.
(c) No.
(d) 80 miles, 20 minutes.
(e) No.
(f) No.
(g) Awaiting data from ANG Trng MS.

CNATRA N3

Restricted Area 2908

(a) Restricted Area; 2908; Gulf of Mexico, 25 miles Southwest of Pensacola, FL.; 75 square miles; Surf - 12,000; Sunrise to Sunset daily, Other times by NOTAM 24 hour in advance; FAA, Pensacola RATCF; Commander, Training Air Wing Six, NAS Pensacola, FL.; N/A; 11nmi.

(b) Yes, NAS Pensacola, FL., callsign Seabreeze.

(c) No.

(d) 25 miles, 6 minutes.

(e) No.

(f) No.

(g) No increase.

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Facilities

b. Airspace (cont.)

6. Is the available General and SUA/airspace-for-special-use within 100 n.mi. of your installation sufficient to satisfy all present and projected training requirements?

Yes

7. If deployments/detachments to other domestic locations are required to satisfy training requirements, provide the following information for each location:

(a) Where do these units/squadrons deploy?

HEARD CNET N-4433 27 APR 94

VT-4: Key West/Miramar/Cecil Field/North Island
~~VT-10/VT-86: Key West~~

(b) How far from your installation? 600nmi - 2,200nmi

(c) Frequency?

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VT-4: Average 6 times a year
~~VT-10: Once a year~~
~~VT-86: Twice a year~~

(d) Reasons for deployment (e.g., adverse weather, airspace saturation, training versatility, etc.)

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VT-4: Carrier availability
~~VT-10: Training versatility~~
~~VT-86: Adverse weather~~

(e) Annual costs incurred for deployments due to adverse weather?

HEARD CNET N-4433 27 APR 94 → NONE

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VT-4/VT-10: None
VT-86: $20,127 (2 Dets, Key West). Data represents known travel/misc costs only.

(f) Annual costs incurred for deployments due to airspace non-availability?

None

(g) Annual costs incurred for deployments due to insufficient training versatility (e.g., lack of low level training routes etc.)?

HEARD CNET N-4433 27 APR 94 → NONE

VT-4: $57,238 (Represents travel/misc cost for carrier qualification detachments).
VT-10: $10,839 (Represents known travel/misc costs only).
VT-86: N/A

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R

Facilities

c. Ground Training

1. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training is conducted. Include all 171-*xx*, 179-*xx* CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[10]	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom) 1	1	12	22,752
171-10 Bldg 3258 (VT-10) 2	10	300	568,800
171-10 Bldg 1853 (VT-86) 4	4	60	113,760
171-10 Academic Inst Bldg	10	582	1,168,656
171-20 Applied Inst Bldg	40	1,581	3,162,000
171-35 OPN Trainer Facility *	1	67	~~134,536~~ 134000
179-45 Survival Training Pier	1 EA	25	50,000
179-50 Obstacle Course	1 EA	8	16,000

CLS
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11-8-94

(Design Capacity X 8hrs/dy X 250 dys/yr)

* The OPN trainer facility is actually a static display setup in a classroom. Because of the engineering codes, there are no mission requirements as they are part of the classroom hours. Therefore, not having been redesignated as another CCN, the available student hours will NOT be used in calculating the GEC for 171-35 in order to avoid creating a false sense of excess capacity.

[10] 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.

Facilities

c. Ground Training

1. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training is conducted. Include all 171-*xx*, 179-*xx* CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[10]	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom) 1	1	12	22,752
171-10 Bldg 3258 (VT-10) 2	10	300	568,800
171-35 SIM Bldg 3	7	7	13,272
171-10 Bldg 1853 (VT-86) 4	4	60	113,760
171-10 Academic Inst Bldg	10	582	~~1,168,656~~ 1,164,000
171-20 Applied Inst Bldg	40	1,581	3,162,000
171-35 OPN Trainer Facility	1	67	134,536
179-45 Survival Training Pier	1 EA	25	50,000
179-50 Obstacle Course	1 EA	8	16,000

Given
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10-7-94

(Design Capacity X 8hrs/dy X 250 dys/yr)

[10] 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.

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CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[11]	Capacity (Student HRS/YR)
171-35 Bldg 3480 (2B37) (2C42) (2F101)	4	4	11,884
	2	2	5,680
	3	3	8,466
171-35 Bldg 3268 (Ground Mapping Trainer)	2	2	5,418
(Air Intercept)	4	4	12,312
171-35 Bldg 3258 (1D23)	20	20	48,120
171-20 Pool	3	120	240,000

NOTES:

1. Aviation Flight Training Computation: 237 days/yr.
2. Non-Aviation Student Training Computation: 250 days/yr as defined by NAVFAC P-80.
3. CCN 179-45 Survival Training Pier is a completely separate training site from CCN 171-20 Pool. Pool CCN 171-20 is used for both UPT and non-UPT training requirements.

[11] 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.

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UIC: 00204

Facilities c.1.

CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[1]	Capacity (Student HRS/YR)
171-35 Bldg 3480 (2B37)	4	4	11,884
(2C42)	2	2	5,680
(2F101)	3	3	8,466
171-35 Bldg 3268 (Ground Mapping)	2	2	5,418
(Air Intercept)	4	4	12,312
171-35 Bldg 3258 (1D23)	20	20	48,120
171-20 Pool	3	120	240,000

NOTES:

1. Aviation Flight Training Computation: 237 days/yr
2. Non-Aviation Student Training Computation: 250 days/yr as defined by NAVFAC P-80.
3. CCN 179-45 Survivial Training Pier is a completely separate training site from CCN 171-20 Pool. Pool CCN 171-20 is used for both UPT and non-UPT training requirements.

[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.

~~Encl (1)~~

Revised page

Facilities

c. Ground Training

1. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training is conducted. Include all 171-xx, 179-xx CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[10]	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom)	1	12	22,752
171-10 Bldg 3258 (VT-10)	10	300	568,800
171-35 SIM Bldg	7	7	13,272
171-10 Bldg 1853 (VT-86)	4	60	113,760
171-10 Academic Inst Bldg	10 ~~26,212 SF~~	582	1,168,656
171-20 Applied Inst Bldg	40 ~~244,555 SF~~	~~1,630~~ 1,131	~~3,273,040~~ 3,162,000
171-35 OPN Trainer Facility	1 ~~33,451 SF~~	67	134,536
~~179-40 Small Arms Range~~	~~1 EA~~	~~10~~	~~20,080~~
179-45 Survival Training Pier	1 EA	~~20*~~ 25	~~40,160~~ 50,000
179-50 Obstacle Course	1 EA	~~100*~~ 8	~~200,800~~ 16,000
~~179-50 Drill Field~~	~~1 EA~~	~~200*~~	~~401,600~~

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REYNOLDS JR
NASP (110)
7 Jun 94

OF CLASSROOMS X DESIGN CAPACITY X 8hrs/DAY X 250 DAYS/YR

[10] 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.

Facilities

c. Ground Training

1. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training is conducted. Include all 171-*xx*, 179-*xx* CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[10]	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom) 1	1	12	22,752
171-10 Bldg 3258 (VT-10) 2	10	300	568,800
171-35 SIM Bldg 3	7	7	13,272
171-10 Bldg 1853 (VT-86) 4	4	60	113,760
171-10 Academic Inst Bldg	26,212 SF	582	1,168,656
171-20 Applied Inst Bldg	244,555 SF	1,630	3,273,040
171-35 OPN Trainer Facility	33,451 SF	67	134,536
179-40 Small Arms Range	1 EA	10	20,080
179-45 Survival Training Pier	1 EA	20*	40,160
179-50 Obstacle Course	1 EA	100*	200,800
179-50 Drill Field	1 EA	200*	401,600

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[10] 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.

Facilities

c. Ground Training (cont.)

2. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

NOTES:
1. 12 x 8 x 237=22,752
2. 10 rooms x 30 students = 300 design capacity
   300 x 8 x 237 = 568,800
4. 237 x 60 x 8 = 113,760

Bldg 3480	* (2B37) - PRI	4 trainers x 2,971 allocated hrs = 11,884 annual capacity (see note). (451 Primary students / 369 Intermediate students)
	* (2C42)	2 trainers x 2,840 allocated hrs = 5,680 annual capacity (see note). (1,262 Primary students)
	* (2F101)	3 trainers x 2,822 allocated hrs = 8,466 annual capacity (see note). (81 E2/C2 Pilots / 314 Advanced NFO students)
Bldg 3268	* (Ground Mapping)	2 trainers x 2,709 allocated hrs = 5,418 annual capacity (see note). (213 Advanced NFO students)
	* (Air Intercept)	4 trainers x 3,078 allocated hrs = 12,312 annual capacity (see note). (157 Advanced NFO students)
Bldg 3258	* (1D23)	20 trainers x 2,406 allocated hrs = 48,120 annual capacity (see note). (1,155 Primary students / 770 Intermediate students)

NOTE: The annual capacity figures are based on the Planning Factors Calculation outlined in OPNAVINST 3502.6. The variables used in this calculation have already been approved by CNATRA and include a simulator day length of 16 hours (the other 8 hours of the day are for contractor maintenance). A straight 16 hour day without utilizing the planning factors formula would increase the excess capacity on paper, however it would not be as accurate as the above figures.

3. 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) could be gained? Provide details and assumptions for all calculations.

VT-4: There are several vacant rooms in Bldg 1854 that could be converted to classrooms if required.

VT-86: 100 percent. NFOTR has been cut by 1/2.

* For the above trainers: None. Source: COMTRAWING SIX

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

None

* For the above trainers: None. Source: COMTRAWING SIX

Facilities

c. Ground Training (cont.)

2. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

NOTES:
1. 12 x 8 x 237=22,752
2. 10 rooms x 30 students = 300 design capacity
   300 x 8 x 237 = 568,800
3. 7 x 1 x 8 x 237 = 13,272
4. 237 x 60 x 8 = 113,760

Bldg 3480	* (2B37) - PRI	4 trainers x 2,971 allocated hrs = 11,884 annual capacity. (451 Primary students / 369 Intermediate students)
	* (2C42)	2 trainers x 2,840 allocated hrs = 5,680 annual capacity. (1,262 Primary students)
	* (2F101)	3 trainers x 2,822 allocated hrs = 8,466 annual capacity. (81 E2/C2 Pilots / 314 Advanced NFO students)
Bldg 3268	* (Ground Mapping)	2 trainers x 2,709 allocated hrs = 5,418 annual capacity. (213 Advanced NFO students)
	* (Air Intercept)	4 trainers x 3,078 allocated hrs = 12,312 annual capacity. (157 Advanced NFO students)
Bldg 3258	* (1D23)	20 trainers x 2,406 allocated hrs = 48,120 annual capacity. (1,155 Primary students / 770 Intermediate students)

3. 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) could be gained? Provide details and assumptions for all calculations.

VT-4: There are several vacant rooms in Bldg 1854 that could be converted to classrooms if required.

VT-86: 100 percent. NFOTR has been cut by 1/2.

* For the above trainers: None. Source: COMTRAWING SIX

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

None

* For the above trainers: None. Source: COMTRAWING SIX

NOTES for Facilities c.3. and c.4.: As stated by COMTRAWING SIX, the capacity of the trainers is directly derived from funded hours for trainers provided by CNATRA. Trainer utilization hours are a function of the training tract for the length of a training mission. Some training missions require 1.3 hours while other missions require 2.0 hours. The amount of student throughput is a direct result of funding and room exists for additional student loading through all student pipelines.

R

Replaced by page 55 R (8/18/94). REYnolds, GTR NASP (110) 18 Aug 94

Facilities

c. Ground Training (cont.)

2. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

NOTES:
1. 12 x 8 x 237=22,752
2. 10 rooms x 30 students = 300 design capacity
   300 x 8 x 237 = 568,800
3. 7 x 1 x 8 x 237 = 13,272
4. 237 x 60 x 8 = 113,760

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3. 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) could be gained? Provide details and assumptions for all calculations.

VT-4: There are several vacant rooms in Bldg 1854 that could be converted to classrooms if required.

VT-86: 100 percent. NFOTR has been cut by 1/2.

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

None

5. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training is conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements ([B] x [C] + [D] x [E] + [F]**

Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.1.
[B] -- Sum of Pilot Ground Flight School Training Requirements identified in Mission Requirements question c.1(a)
[C] -- Pilot PTR for FY 2001 identified in Mission Requirements question a.1
[D] -- Sum of NFO Ground Flight School Training Requirements identified in Mission Requirements question c.1(b)
[E] -- NFO PTR for FY 2001 identified in Mission Requirements question a.2
[F] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.1

All FY 2001 gross excess capacity could be used to support additional training.

171-10: 1,168,656 - (36.3 x 193) + (646.6 x 492) + 0
1,168,656 - (7,006 + 318,127) = 1,168,656 - 325,133
843,523 STUDENT HRS/YR

R

Facilities

c. Ground Training (cont.)

NOTES for Facilities c.3. and c.4.: As stated by COMTRAWING SIX, the capacity of the trainers is directly derived from funded hours for trainers provided by CNATRA. Trainer utilization hours are a function of the training tract for the length of a training mission. Some training missions require 1.3 hours while other missions require 2.0 hours. The amount of student throughput is a direct result of funding and room exists for additional student loading through all student pipelines.

5. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training is conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements ([B] x [C] + [D] x [E] + [F] *****

Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.1.
[B] -- Sum of Pilot Ground Flight School Training Requirements identified in Mission Requirements question c.1(a)
[C] -- Pilot PTR for FY 2001 identified in Mission Requirements question a.1
[D] -- Sum of NFO Ground Flight School Training Requirements identified in Mission Requirements question c.1(b)
[E] -- NFO PTR for FY 2001 identified in Mission Requirements question a.2
[F] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.1

All FY 2001 gross excess capacity could be used to support additional training.

*** This equation has been modified to more accurately depict the GEC for the CCN 171-35 class. The main change is that each simulator has its own throughput. Therefore, they must each be evaluated as an individual unit. NOTE: See new key for formula below.

Formula Key:

[A] = CAPACITY
[API NFOS] = API NFOTR
[INTER] = NFOTR for intermediate
[TN/BN] = NFOTR for Tact Nav (Advan)
[WSO] = NFOTR for Weapons (Advan)
[API PILOT]= API PTR
[PRIM] = NFOTR for primary
[RIO] = NFOTR for Radar Intercept (Advan)
[OJN] = NFOTR for Over Water Jet (Advan)
[E2/C2] = PTR for E2/C2 Advanced

All TR's, found on pages 1 R (10/19/94) thru 2-a R (10/19/94), are multiplied by their respective requirements, for the CCN in question, and are found on pages 17 R (10/19/94) thru 18-a R (10/19/94). (If anything was omitted in the formula, it was because it was zero, i.e. 171-20: only API TR uses these facilities).

R

UIC: 00204

171-10: [A] - {[E2/C2] + [PRIM] + [INTER] + [TN/BN] + [RIO] + [OJN] + [WSO]}

1,873,968 - [(36.3 x ~~53~~) + (148.0 x ~~760~~) + (71.5 x ~~420~~) + (136.7 x 96) + (153.7 x ~~50~~) + (136.7 x ~~52~~) + (202.2 x 104)]

1,873,968 - [~~1,923.9~~ + ~~12,480~~ + ~~30,030~~ + 13,123 + ~~7,685~~ + ~~7,108.4~~ + 21,028.8]

GEC = ~~1,680,589~~ STUDENT HRS/YR

CNATRA N441 10/31/94

171-20: [A] - {[API PILOTS] + [API NFOS] + [F (same as original formula)]}

3,162,000 - [(197 x ~~198~~) + (197 x 957) + 1,226,629]

3,162,000 - (~~236,006~~ + 188,529 + 1,266,629) = 3,162,000 - ~~1,691,164~~

GEC = ~~1,470,836~~ STUDENT HRS/YR

CNATRA N441 10/31/94

171-35:

2B37 Trainer

[A] - {[PRIM] + [INTER]}

11,884 - [(8.0 x ~~760~~) + (6.5 x ~~420~~)]

11,884 - [~~6,080~~ + ~~2,730~~] = 11,884 - ~~8,810~~

GEC = ~~3,074~~ STUDENT HRS/YR

CNATRA N441 10/31/94

2C42 Trainer

[A] - {[PRIM]}

5,680 - [(4.5 x ~~760~~)]

5,680 - ~~3,420~~

GEC = ~~2,260~~ STUDENT HRS/YR

CNATRA N441 10/31/94

2F101 Trainer

[A] - {[E2/C2] + [TN/BN] + [RIO] + [OJN] + [WSO]}

8,466 - [(52.5 x ~~53~~) + (13.5 x 96) + (13.5 x ~~50~~) + (13.5 x ~~52~~) + (13.5 x 104)]

8,466 - [~~2,782.5~~ + 1,296 + ~~675~~ + ~~702~~ + 1,404] = 8,466 - ~~6,859.5~~

GEC = ~~1,606.5~~ STUDENT HRS/YR

CNATRA N441 10/31/94

1D23 Trainer

[A] - {[PRIM] + [INTER]}

48,120 - [(15.0 x ~~760~~) + (10.0 x ~~420~~)]

48,120 - [~~11,400~~ + ~~4,200~~] = 48,120 - ~~15,600~~

GEC = ~~32,520~~ STUDENT HRS/YR

CNATRA N441 10/31/94

PT/T-39 Trainer (Ground Mapping)

[A] - {[TN/BN] + [OJN] + [WSO]}

5,418 - [(12.0 x 96) + (14.0 x ~~52~~) + (12.0 x 104)]

5,418 - [1,152 + ~~728~~ + 1,248] = 5,418 - ~~3,128~~

GEC = ~~2,290~~ STUDENT HRS/YR

PT/T-39 Trainer (Air Intercept)

[A] - {[RIO] + [WSO]}

12,312 - [(39.0 x ~~50~~) + (13.5 x 104)]

12,312 - [~~1,950~~ + 1,404] = 12,312 - ~~3,354~~

GEC = ~~8,958~~ STUDENT HRS/YR

Facilities

c. Ground Training (cont.)

5. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training is conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements ([B] x [C] + [D] x [E] + [F]**

Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.1.
[B] -- Sum of Pilot Ground Flight School Training Requirements identified in Mission Requirements question c.1(a)
[C] -- Pilot PTR for FY 2001 identified in Mission Requirements question a.1
[D] -- Sum of NFO Ground Flight School Training Requirements identified in Mission Requirements question c.1(b)
[E] -- NFO PTR for FY 2001 identified in Mission Requirements question a.2
[F] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.1

All FY 2001 gross excess capacity could be used to support additional training.

171-10: 1,168,656 -[(36.3 x ~~1045~~ 1251) + (848.8 x ~~917~~ 1047) + 0]
1,168,656 - (~~37,934~~ 45,411 + ~~778,550~~ 818,694) = 1,168,656 - ~~816,284~~ 934,105
~~352,372~~ 234,551 STUDENT HRS/YR
CNATRA N443 9/30/94 R

171-20: 3,162,000 - [(197 x ~~1,045~~ 1251) + (197 x ~~917~~ 1047) + 1,226,629]
3,162,000 - (~~205,865~~ 246,447 + ~~180,649~~ 206,259 + 1,266,629) = 3,162,000 - ~~1,653,143~~ 1,719,335
~~1,508,857~~ 1,442,665 STUDENT HRS/YR
CNATRA N443 9/30/94 R

171-35: 239,688 - [(56.5 x ~~1045~~ 1251) + (188.5 x ~~917~~ 1047) + 0]
239,688 - (~~59,043~~ 70,682 + ~~172,855~~ 197,360) = 239,688 - ~~231,898~~ 268,042
~~7,790~~ -28,354 STUDENT HRS/YR
CNATRA N443 9/30/94 R

Facilities c.2.

Bldg 3480	(2B37) - PRI	4 trainers x 2,971 allocated hrs = 11,884 annual capacity. (451 Primary students / 369 Intermediate students)
	(2C42)	2 trainers x 2,840 allocated hrs = 5,680 annual capacity. (1,262 Primary students)
	(2F101)	3 trainers x 2,822 allocated hrs = 8,466 annual capacity. (81 E2/C2 Pilots / 314 Advanced NFO students)
Bldg 3268	(Ground Mapping)	2 trainers x 2,709 allocated hrs = 5,418 annual capacity. (213 Advanced NFO students)
	(Air Intercept)	4 trainers x 3,078 allocated hrs = 12,312 annual capacity. (157 Advanced NFO students)
Bldg 3258	(1D23)	20 trainers x 2,406 allocated hrs = 48,120 annual capacity. (1,155 Primary students / 770 Intermediate students)

Facilities c.3.

For the above trainers: None. Source: COMTRAWING SIX

Facilities c.4.

For the above trainers: None. Source: COMTRAWING SIX

NOTES for Facilities c.3. and c.4.: As stated by COMTRAWING SIX, the capacity of the trainers is directly derived from funded hours for trainers provided by CNATRA. Trainer utilization hours are a function of the training tract for the length of a training mission. Some training missions require 1.3 hours while other missions require 2.0 hours. The amount of student throughput is a direct result of funding and room exists for additional student loading through all student pipelines.

Facilities c.5.

All FY 2001 gross excess capacity could be used to support additional training.

171-10: 1,168,656 - (36.3 x 193) + (646,6 x 492) + 0
1,168,656 - (7,006 + 318,127) = 1,168,656 - 325,133
843,523 STUDENT HRS/YR

171-20: 3,273,040 - (54 x 193) + (139 x 492) + 29,296
3,273,040 - (10,422 + 68,388 + 29,296) = 3,273,040 - 108,106
3,164,934 STUDENT HRS/YR

171-35: 134,536 - (0 x 193) + (175.5 x 492) + 0
134,536 - 86,346
48,190 STUDENT HRS/YR

Facilities c.2.

Bldg 3480	(2B37) - PRI	4 trainers x 2,971 allocated hrs = 11,884 annual capacity. (451 Primary students / 369 Intermediate students)
	(2C42)	2 trainers x 2,840 allocated hrs = 5,680 annual capacity. (1,262 Primary students)
	(2F101)	3 trainers x 2,822 allocated hrs = 8,466 annual capacity. (81 E2/C2 Pilots / 314 Advanced NFO students)
Bldg 3268 (Ground Mapping)		2 trainers x 2,709 allocated hrs = 5,418 annual capacity. (213 Advanced NFO students)
	(Air Intercept)	4 trainers x 3,078 allocated hrs = 12,312 annual capacity. (157 Advanced NFO students)
Bldg 3258	(1D23)	20 trainers x 2,406 allocated hrs = 48,120 annual capacity. (1,155 Primary students / 770 Intermediate students)

Facilities c.3.

For the above trainers: None. Source: COMTRAWING SIX

Facilities c.4.

For the above trainers: None. Source: COMTRAWING SIX

NOTES for Facilities c.3. and c.4.: As stated by COMTRAWING SIX, the capacity of the trainers is directly derived from funded hours for trainers provided by CNATRA. Trainer utilization hours are a function of the training tract for the length of a training mission. Some training missions require 1.3 hours while other missions require 2.0 hours. The amount of student throughput is a direct result of funding and room exists for additional student loading through all student pipelines.

Facilities c.5.

All FY 2001 gross excess capacity could be used to support additional training.

171-10: 1,168,656 - (36.3 x 193) + (646,6 x 492) + 0
1,168,656 - (7,006 + 318,127) = 1,168,656 - 325,133
843,523 STUDENT HRS/YR

171-20: 3,273,040 - (54 x 193) + (139 x 492) + 29,296
3,273,040 - (10,422 + 68,388 + 29,296) = 3,273,040 - 108,106
3,164,934 STUDENT HRS/YR

171-35: 134,536 - (0 x 193) + (175.5 x 492) + 0
134,536 - 86,346
48,190 STUDENT HRS/YR

Facilities

c. Ground Training (cont.)

2. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

NOTES:
1. 12 x 8 x 237=22,752
2. 10 rooms x 30 students = 300 design capacity
   300 x 8 x 237 = 568,800
3. 7 x 1 x 8 x 237 = 13,272
4. 237 x 60 x 8 = 113,760

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3. 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) could be gained? Provide details and assumptions for all calculations.

VT-4: There are several vacant rooms in Bldg 1854 that could be converted to classrooms if required.

VT-86: 100 percent. NFOTR has been cut by 1/2.

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

None

5. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training is conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements ([B] x [C] + [D] x [E] + [F]**

Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.1.
[B] -- Sum of Pilot Ground Flight School Training Requirements identified in Mission Requirements question c.1(a)
[C] -- Pilot PTR for FY 2001 identified in Mission Requirements question a.1
[D] -- Sum of NFO Ground Flight School Training Requirements identified in Mission Requirements question c.1(b)
[E] -- NFO PTR for FY 2001 identified in Mission Requirements question a.2
[F] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.1

All FY 2001 gross excess capacity could be used to support additional training.

171-10: 1,168,656 - (36.3 x 193) + (646,6 x 492) + 0
1,168,656 - (7,006 + 318,127) = 1,168,656 - 325,133
843,523 STUDENT HRS/YR

Facilities

c. Ground Training (cont.)

6. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training **is not** conducted. Include all 171-*xx*, 179-*xx* CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[11]	Capacity (Student HRS/YR)
171-10 ACADEMIC INST BLDG	1	20	40,000
171-20 APPLIED INST BLDG	42	766	1,532,000
171-45 TRNG AID PREP CTR	2	N/A	N/A
171-77 TRAINING STORAGE	3	N/A	N/A
179-45 FIRE TRNG TOWER	1	10	20,000
179-40 PISTOL RANGE	1	18	36,000
179-60 DRILL FIELD	1	*	*

* SIX ACRE GRASS DRILL/PARADE FIELD UTILIZED FOR MILITARY DRILL AND GRADUATION PARADES. (40hrs/wk X 50wks/yr X Design Capacity)

[11] 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.

Revised page

Facilities

c. Ground Training (cont.)

171-20: 3,273,040 - (54 x 193) + (139 x 492) + 29,296
3,273,040 - (10,422 + 68,388 + 29,296) = 3,273,040 - 108,106
3,164,934 STUDENT HRS/YR

171-35: 134,536 - (0 x 193) + (175.5 x 492) + 0
134,536 - 86,346
48,190 STUDENT HRS/YR

6. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training is not conducted. Include all 171-xx, 179-xx CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[11]	Capacity (Student HRS/YR)
R 171-10 ACADEMIC INST BLDG	~~26,032 SF~~ 1	~~578~~ 20	~~1,244,960~~ 40,000
R 171-20 APPLIED INST BLDG	~~187,241 SF~~ 2	~~1248~~ 48	~~2,505,984~~ 96,000
R 171-45 TRNG AID PREP CTR	~~10,126 SF~~ 2	N/A	N/A
R 171-77 TRAINING STORAGE	~~8,034 SF~~ 3	N/A	N/A
179-45 FIRE TRNG TOWER	1 EA	10*	20,080
R 179-40 PISTOL RANGE	1	18	36,000
179-60 DRILL FIELD	1	*	*

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* SIX ACRE GRASS DRILL/PARADE FIELD UTILIZED FOR MILITARY DRILL AND GRADUATION PARADES.

40 hrs/wk x 50 wks/YR x DESIGN CAPACITY

[11] 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.

Facilities

c. Ground Training (cont.)

171-20: 3,273,040 - (54 x 193) + (139 x 492) + 29,296
3,273,040 - (10,422 + 68,388 + 29,296) = 3,273,040 - 108,106
3,164,934 STUDENT HRS/YR

171-35: 134,536 - (0 x 193) + (175.5 x 492) + 0
134,536 - 86,346
48,190 STUDENT HRS/YR

6. By Category Code Number (CCN), complete the following table for all training facilities aboard the installation in which undergraduate pilot and/or NFO training **is not** conducted. Include all 171-*xx*, 179-*xx* CCN's and any other applicable CCN.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[11]	Capacity (Student HRS/YR)
171-10 ACADEMIC INST BLDG	26,032 SF	578	1,244,960
171-20 APPLIED INST BLDG	187,241 SF	1248	2,505,984
171-45 TRNG AID PREP CTR	10,126 SF	N/A	N/A
171-77 TRAINING STORAGE	8,034 SF	N/A	N/A
179-45 FIRE TRNG TOWER	1 EA	10*	20,080

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[11] 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.

Facilities

c. Ground Training (cont.)

7. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

ASSUME: FOR 171-10, 45 SF/PN; FOR 171-20, 150 SF/PN; * = ESTIMATED
179-40: 18 x 8 x 250 = 36,000
179-45: 10 x 8 x 250 = 20,000
ASSUME: 250 DAYS/YR X 8 HRS/DAY = 2000 HRS/YR
STUDENT HRS/YR = DESIGN CAPACITY (PN) X 2000 HRS/YR

8. 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) could be gained? Provide details and assumptions for all calculations.

171-10	NONE. BUILDING SCHEDULED TO BE DEMOLISHED.
171-20	NONE.
179-40	NONE.
179-45	NONE.

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

171-10	BUILDING SCHEDULED TO BE DEMOLISHED.
171-20	THE PHYSICAL SIZE OF BUILDING 623 IS A LIMITING FACTOR. BUILDING CONSISTS OF A SWIM TANK AND CLASSROOM. IT WOULD NOT BE FEASIBLE TO EXPAND SIZE OF THIS OLD FACILITY.
179-40/179-45	LIMITING FACTOR IS AVAILABILITY OF UNCONSTRAINED LAND TO SITE NEW FACILITIES IN PROXIMITY OF EXISTING RELATED ASSETS.

10. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training **is not** conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements [B]**

Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.6.
[B] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.2

All FY 2001 gross excess capacity could be utilized to support additional training.

171-10: 40,000 - 4680 = 35,320 STUDENT HRS/YR
171-20: 1,532,000 - 604,530 = 927,470 STUDENT HRS/YR
179-40: 36,000 - 11,130 = 24,870 STUDENT HRS/YR
179-45: 20,000 - 240 = 19,760 STUDENT HRS/YR

Facilities

c. Ground Training (cont)

7. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

ASSUME: FOR 171-10, 45 SF/PN; FOR 171-20, 150 SF/PN; * = ESTIMATED
179-40: 18 x 8 x 250 = 36,000
179-45: 10 x 8 x 250 = 20,000
ASSUME: **250** DAYS/YR x 8 HRS/DAY = **2000** HRS/YR
STUDENT HRS/YR = DESIGN CAPACITY (PN) x **2000** HRS/YR

8. 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) could be gained? Provide details and assumptions for all calculations.

171-10	NONE. BUILDING SCHEDULED TO BE DEMOLISHED.
171-20	NONE.
179-40	NONE.
179-45	NONE.

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

171-10	BUILDING SCHEDULED TO BE DEMOLISHED.
171-20	THE PHYSICAL SIZE OF THE FACILITY IS A LIMITING FACTOR. BUILDING CONSISTS OF A SWIM TANK AND CLASSROOM. IT WOULD NOT BE FEASIBLE TO EXPAND SIZE OF THIS OLD FACILITY.
179-40/179-45	LIMITING FACTOR IS AVAILABILITY OF UNCONSTRAINED LAND TO SITE NEW FACILITIES IN PROXIMITY OF EXISTING RELATED ASSETS.

10. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training **is not** conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements [B]**
Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.6.
[B] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.2

All FY 2001 gross excess capacity could be utilized to support additional training.
171-10: 40,000 - 312 = 39,688 student hrs/yr
171-20: 96,000 - 73,176 = 22,824 student hrs/yr
179-40: 36,000 - 310 = 35,690 student hrs/yr
179-45: 20,000 - 240 = 19,760 student hrs/yr

Facilities

c. Ground Training (cont.)

7. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

ASSUME: FOR 171-10, 45 SF/PN; FOR 171-20, 150 SF/PN; * = ESTIMATED

ASSUME: 251 DAYS/YR X 8 HRS/DAY = 2008 HRS/YR

STUDENT HRS/YR = DESIGN CAPACITY (PN) X 2008 HRS/YR

8. 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) could be gained? Provide details and assumptions for all calculations.

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

10. What percentage of the FY 2001 gross excess capacity (GEC) for each CCN in which undergraduate pilot and/or NFO training **is not** conducted could be utilized for additional training? Calculate GEC as follows: **GEC = Capacity [A] - Total Requirements [B]**

Key: [A] -- Capacity (Student Hrs/Yr) taken from Facilities question c.6.
[B] -- Sum of Other Ground Training Requirements identified in Mission Requirements question d.2

All FY 2001 gross excess capacity could be utilized to support additional training.

171-10: 1,244,960 - 312* = 1,244,648 STUDENT HRS/YR

171-20: 2,505,984 - 0* = 2,505,984 STUDENT HRS/YR

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Facilities

c. Ground Training (cont.)

11. For facilities with category codes 171-xx, 179-xx and any other CCN's in which student pilot and/or NFO training is conducted, provide the amount of adequate, substandard, and inadequate facilities in terms of square feet and number of students.

CCN	Facility Type	Units of Measure	Adequate	Substandard	Inadequate	Comments
171-10	ACADEMIC INST BLDG	SF PN	24,362 541	0	1,850 41	
171-20	APPLIED INST BLDG	SF PN	212,191 1,414	0	32,364 216	
171-35	OPN TRNR BLDG	SF PN	33,451 67	0	0	
~~179-40~~	~~SMALL ARMS RANGE~~	~~EA PN~~	~~1 10~~	~~0~~	~~0~~	
179-45	SURV TRNG PIER	EA PN	1 20	0	0	
179-50	OBSTACLE COURSE	EA PN	1 100	0	0	
~~179-50~~	~~DRILL FIELD~~	~~SF PN~~	~~1 200~~	~~0~~	~~0~~	

SR REYNOLDS NASP (11 7 Jun 94

12. 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: **ACADEMIC INST BLDG (b654) /171-10**
b. WHAT MAKES IT INADEQUATE? **Structural, electrical condition.**
c. WHAT USE IS BEING MADE OF THE FACILITY? **ACAD inst**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$90,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage, $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Demolition, $50,000**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

a. FACILITY TYPE/CODE: **APPLIED INST BLDG (B58,75)/171-20**
b. WHAT MAKES IT INADEQUATE? **Total obsolescence**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Applied inst**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$1.7M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Storage, $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **To be demolished and replaced by MILCON P-568 FY 94** WATER SURVIVAL TRAINING FACILITY — CORRECT
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **Yes**

58-R (6/7/94)

Facilities

c. Ground Training (cont.)

11. For facilities with category codes 171-xx, 179-xx and any other CCN's in which student pilot and/or NFO training is conducted, provide the amount of adequate, substandard, and inadequate facilities in terms of square feet and number of students.

CCN	Facility Type	Units of Measure	Adequate	Substandard	Inadequate	Comments
171-10	ACADEMIC INST BLDG	SF PN	24,362 541	0	1,850 41	
171-20	APPLIED INST BLDG	SF PN	212,191 1,414	0	32,364 216	
171-35	OPN TRNR BLDG	SF PN	33,451 67	0	0	
179-40	SMALL ARMS RANGE	EA PN	1 10	0	0	
179-45	SURV TRNG PIER	EA PN	1 20	0	0	
179-50	OBSTACLE COURSE	EA PN	1 100	0	0	
179-50	DRILL FIELD	SF PN	1 200	0	0	

12. 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: **ACADEMIC INST BLDG (b654)/171-10**
b. WHAT MAKES IT INADEQUATE? **Structural, electrical condition.**
c. WHAT USE IS BEING MADE OF THE FACILITY? **ACAD inst**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$90,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage, $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Demolition, $50,000**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**
a. FACILITY TYPE/CODE: **APPLIED INST BLDG (B58,75)/171-20**
b. WHAT MAKES IT INADEQUATE? **Total obsolescence**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Applied inst**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$1.7M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Storage, $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **To be demolished and replaced by MILCON P-568 FY 94** WATER SURVIVAL TRAINING FACILITY — CORRECT
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **Yes**

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Facilities

c. Ground Training (cont.)

13. For facilities with category codes 171-xx, 179-xx and any other CCN's in which student pilot and/or NFO training **is not** conducted, provide the amount of adequate, substandard, and inadequate facilities in terms of square feet and number of students.

CCN	Facility Type	Units of Measure	Adequate	Substandard	Inadequate	Comments
171-10	ACADEMIC INST BLDG	SF PN	25,032 556	0	1,000 22	
171-20	APPLIED INST BLDGS *	SF PN	165,128 766	22,113	0	
171-45	TRNG AIDS PREP CTR	SF	0	0	10,126	
179-45	FIRE TRNG TOWER	EA	1	0	0	
171-77	TRAINING STORAGE	SF	8,034	0	0	

R

* THE FOLLOWING TENANT COMMAND'S CLASSROOMS ARE FOR STAFF TRAINING:
11,530 SF IS UTILIZED BY CBU-402 FOR UNIT TRAINING/CONFERENCES/MEETINGS, ETC.
1,050 SF IS UTILIZED BY NASP FIRE DEPARTMENT FOR IN-HOUSE TRAINING.
1,405 SF IS UTILIZED BY HRO FOR IN-HOUSE TRAINING.

R

14. 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: **ACAD INST BLDG (B1), 171-10**
b. WHAT MAKES IT INADEQUATE? **Functional criteria**
c. WHAT USE IS BEING MADE OF THE FACILITY? **ACAD inst**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$50,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage, $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Planned rehab, not programmed**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

a. FACILITY TYPE/CODE: **TRNG AID PREP (B654), 171-45**
b. WHAT MAKES IT INADEQUATE? **Structural, electrical condition**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Training aid prep**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$500,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage, $50,000**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: DEMOLITION, **$50,000**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

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Facilities c.13.

CCN	Facility Type	Units of Measure	Adequate	Substandard	Inadequate	Comments
179-40	PISTOL RANGE	EA	1	0	0	
179-60	DRILL FIELD	EA	1	0	0	

Facilities

c. Ground Training (cont.)

13. For facilities with category codes 171-xx, 179-xx and any other CCN's in which student pilot and/or NFO training **is not** conducted, provide the amount of adequate, substandard, and inadequate facilities in terms of square feet and number of students.

CCN	Facility Type	Units of Measure	Adequate	Substandard	Inadequate	Comments
171-10	ACADEMIC INST BLDG	SF PN	25,032 556	0	1,000 22	
171-20	APPLIED INST BLDG	SF PN	165,128 1100	22113 147	0	
171-45	TRNG AIDS PREP CTR	SF	0	0	10,126	
179-45	FIRE TRNG TOWER	EA	1	0	0	
171-77	TRAINING STORAGE	SF	8,034	0	0	

14. 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: **ACAD INST BLDG (B1), 171-10**
b. WHAT MAKES IT INADEQUATE? **Functional criteria**
c. WHAT USE IS BEING MADE OF THE FACILITY? **ACAD inst**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$50,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage, $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Planned rehab, not programmed**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

a. FACILITY TYPE/CODE: **TRNG AID PREP (B654), 171-45**
b. WHAT MAKES IT INADEQUATE? **Structural, electrical condition**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Training aid prep**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$500,000**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage, $50,000**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: DEMOLITION, **$50,000**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

Facilities

d. Aircraft Parking, Maintenance, and Supply

1. Provide the number of other aircraft (both active and reserve operational squadrons) that are based at your installation. If a squadron has more than one type of aircraft, fill out a separate line for each type.

Type of Aircraft	Number of Aircraft (Fiscal Year)							Mission
	1995	1996	1997	1998	1999	2000	2001	
F/A-18	10	10	10	10	10	10	10	Navy Flight Demonstration Squadron
C-130	1	1	1	1	1	1	1	Navy Flight Demonstration Squadron
C-12B	2	2	2	2	2	2	2	Cargo/Pax
H-3H	3	3	3	3	3	3	3	SAR

2. Using the types (and mix) of aircraft currently stationed at your installation, project the number of these aircraft that could be based and parked on your current parking aprons. Provide two estimates:

(a) NAVFAC P-80 standard measures (45 degree parking).

(b) Real world planning factors to accommodate a surge demand for space (maintaining safe operating procedures).

Aircraft Type	# of Aircraft		Comments
	(a)	(b)	
C-12B	14	20	NAVFAC P-80 does not provide approximations for 45° parking of propeller aircraft and helicopters. CHAPTER N3 * T-2, T-39, and F/A-18 calculated at 45° parking.
H-3H	14	19	
T-2 *	74	80	
T-34	80	90	
T-39 *	65	70	
F/A-18 *	43	45	
C-130	2	2	

Facilities

d. Aircraft Parking, Maintenance, and Supply (cont.)

3. 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 on the parking apron spaces.

Calculations for number of aircraft (a) based on total ramp area minus 20 percent for taxi lanes and 7.202 percent for transient parking (374,244 - [74,848 - 26,197] = 273,199. All measurements are in square yards.

Calculations for number of aircraft (b) based on 8 percent of each type aircraft (except F/A-18 @ 25 percent) in hangars for scheduled maintenance and various areas of the ramp used strictly for parking (no turn-ups, minor maintenance).

* All aircraft parking approximations taken from NAVFAC P-80 tables 113-20B.

4. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be housed in your hangars. Provide two estimates:

(a) NAVFAC P-80 standard measures

(b) Real world planning factors to accommodate a surge demand for space (maintaining safe operating procedures).

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Aircraft Type	# of Aircraft		Comments
	(a)	(b)	
C-12B	5	6	Figures do not allow mix of aircraft.
H-3H	5	14	Figures do not allow mix of aircraft.

5. 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.

For NAS Pensacola Hangar Bldg 3260 only: (b) Claculations based on parking only, minimum maintenance. C-12 wing span of 54'6", separation of 10', and a useable hangar of 402' (402 divided by 65 = 6). H-3H width of 16'4' (folded) separation of 10' and a useable hangar of 402' (402 divided by 27 = 14).

Sample mix could be two, C-12, two, H-3H (spread), or three, C-12, six H-3H (folded).

Facilities

d. Aircraft Parking, Maintenance, and Supply (cont.)

4. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be housed in your hangars. Provide two estimates:

(a) NAVFAC P-80 standard measures

(b) Real world planning factors to accommodate a surge demand for space (maintaining safe operating procedures).

Aircraft Type	# of Aircraft		Comments
	(a)	(b)	
*F-18	4	4	F-18 AND T-2 COMBINED IN HANGAR 1854
T-2	5	5	
T-34	9	9	T-34 AND T-39 COMBINED IN HANGAR 1853
T-39	4	4	
C-12B	10	10	C-12B AND H-3 COMBINED IN HANGARS 3260 AND 3221
*H-3	10	10	

***F-18 (FLIGHT DEMONSTRATION TEAM AIRCRAFT WINGS ARE NOT FOLDED UNLESS ABSOLUTELY NECESSARY. H-3 BLADES ARE FOLDED.**

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

CALCULATIONS ARE BASED ON ACTUAL AVAILABLE HANGAR DECK AREA MINUS FIRE LANES AND WORKING CLEARANCE BETWEEN AIRCRAFT AND DOORS. HOWEVER, INTERMEDIATE MAINTENANCE FACTOR (IMO), TOTAL MAINTENANCE OPERATION FACTOR (TMO), AND OTHER ORGANIZATIONAL MAINTENANCE MODULE FACTORS WERE NOT CALCULATED AS THEY DO NOT APPLY TO CONTRACT MAINTENANCE.

(a) HANGAR 1853. AVAILABLE LENGTH OF 243 FEET BY WIDTH OF 150 FEET. TEN (10) FEET ALONG EACH WALL AND FIVE (5) FEET AT EACH DOOR IS REQUIRED FOR FIRE LANES AND DOOR CLEARANCE. USEABLE AREA FOR AIRCRAFT PARKING IS 233 FEET BY 130 FEET DIVIDED INTO TWO AREAS (116.5 FEET BY 130 FEET) FOR TYPE AIRCRAFT (T-34 AND T-39).

(1) T-34 - WING SPAN OF 33' 4", LENGTH OF 29' AND FIVE FEET BETWEEN WING TIPS. BECAUSE OF SIZE OF AIRCRAFT IT IS POSSIBLE TO PARK BOTH PARALLEL AND PERPENDICULAR.

(2) T-39 - WING SPAN OF 45' 5", LENGTH OF 44' AND 24 FEET BETWEEN WING TIPS.

(b) HANGAR 1854. AVAILABLE LENGTH OF 24 FEET BY WIDTH OF 150 FEET. TEN (10) FEET ALONG EACH WALL AND FIVE (5) FEET AT EACH DOOR IS REQUIRED FOR FIRE LANES AND DOOR CLEARANCE. USEABLE AREA FOR AIRCRAFT PARKING IS 233 FEET BY 130 FEET DIVIDED INTO TWO AREAS (116.5 FEET BY 130 FEET) FOR TYPE AIRCRAFT (F-18 AND T-2).

(1) F-18 - WING SPAN OF 37' 6", LENGTH OF 56' WITH 40 FEET BETWEEN WING TIPS.

(2) T-2 - WING SPAN OF 37' 11", LENGTH OF 39' WITH 20 FEET BETWEEN WING TIPS AND AIRCRAFT PARKED PARALLEL AND PERPENDICULAR.

Revision 1

Facilities

d. Aircraft Parking, Maintenance, and Supply (cont.)

5. (cont.)

(c) HANGAR 3260. AVAILABLE LENGTH OF 402 FEET BY WIDTH OF 70 FEET. TEN (10) FEET ALONG THREE WALLS AND FIVE (5) FEET AT DOOR IS REQUIRED FOR FIRE LANE AND DOOR CLEARNANCE. USEABLE AREA FOR AIRCRAFT PARKING IS 382 FEET BY 55 FEET FOR TYPE AIRCRAFT (C-12B AND H-3).

(1) C-12 - WING SPAN OF 54' 6", LENGTH OF 44' AND H-3 (BLADES FOLDED) WIDTH OF 16' 4", LENGTH OF 48'.

(d) HANGAR 3221. PRESENTLY USED BY NADEP AND NAVAL AVIATION MUSEUM. CALCULATIONS ARE THE SAME AS HANGAR 3260, BUT OTHER GROUPS (SHOWN IN Q4) ARE POSSIBLE.

6. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be maintained based on available hangar space.

Aircraft Type	# of Aircraft	Comments
F-18	~~14~~ 48*	ALL MAINTENANCE, EXCEPT F-18,
T-2	~~42~~ 60*	ACCOMPLISHED BY CONTRACT PERSONNEL
T-34	~~70~~ 108*	
T-39	~~34~~ 48*	
C-12B	4	
H-3	6	
C-130	1	

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* SCHEDULED MAINTENANCE ONLY. HANGAR SPACE IS USED AS LIMITER.

7. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced. BASED ON NAVFAC P-80 (12 TIMES HANGAR SPACE

THIS FACILITY HAS TWO TYPE B WASHRACKS (1866 SY/1878 SY) CAPABLE OF SERVICING 80 AIRCRAFT EACH. BASED ON PRESENT MAINTENANCE FACILITIES IT IS POSSIBLE TO MAINTAIN THESE AIRCRAFT (80 X 2); HOWEVER, INCREASE IN CONTRACT PERSONNEL WILL BE NECESSARY.

8. Describe any 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

~~45~~ 61(B) CNATRA N3

Facilities

d. Aircraft Parking, Maintenance, and Supply (cont.)

5. (cont.)

(c) HANGAR 3260. AVAILABLE LENGTH OF 402 FEET BY WIDTH OF 70 FEET. TEN (10) FEET ALONG THREE WALLS AND FIVE (5) FEET AT DOOR IS REQUIRED FOR FIRE LANE AND DOOR CLEARNANCE. USEABLE AREA FOR AIRCRAFT PARKING IS 382 FEET BY 55 FEET FOR TYPE AIRCRAFT (C-12B AND H-3).

(1) C-12 - WING SPAN OF 54' 6", LENGTH OF 44' AND H-3 (BLADES FOLDED) WIDTH OF 16' 4", LENGTH OF 48'.

(d) HANGAR 3221. PRESENTLY USED BY NADEP AND NAVAL AVIATION MUSEUM. CALCULATIONS ARE THE SAME AS HANGAR 3260, BUT OTHER GROUPS (SHOWN IN Q4) ARE POSSIBLE.

6. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be maintained based on available hangar space.

Aircraft Type	# of Aircraft	Comments
F-18	14	ALL MAINTENANCE, EXCEPT F-18,
T-2	42	ACCOMPLISHED BY CONTRACT PERSONNEL
T-34	70	
T-39	34	
C-12B	4	
H-3	6	
C-130	1	

7. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

THIS FACILITY HAS TWO TYPE B WASHRACKS (1866 SY/1878 SY) CAPABLE OF SERVICING 80 AIRCRAFT EACH. BASED ON PRESENT MAINTENANCE FACILITIES IT IS POSSIBLE TO MAINTAIN THESE AIRCRAFT (80 X 2); HOWEVER, INCREASE IN CONTRACT PERSONNEL WILL BE NECESSARY.

8. Describe any 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

~~44~~ 61(B) 2 CNATRA N3

Facilities

d. Aircraft Parking, Maintenance, and Supply (cont.)

6. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be maintained based on available hangar space.

Delete. See p. 61(b

Aircraft Type	# of Aircraft	Comments
C-12B	4	Full support by contract.
H-3H	10	Full airframe and avionics support.

HEARD CNET N-443. 28 Ap

7. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

Based on input from contractor, current facility has the capability to handle the maximum numbers indicated above. Input is based on shops, test benches, size of facilities, etc. However, contract personnel increase would be required to support the number of aircraft.

8. Describe any 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

Facilities

d. Aircraft Parking, Maintenance, and Supply (cont.)

9. Utilizing the category codes listed in the following table, provide the amount of space available presently classified as Adequate, Substandard, and Inadequate.

CCN	Facility Type		Avg Age	Unit Measure	Adequate	Substandard	Inadequate	Comments
211-xx	Aircraft Maintenance	Type I	35	SF	289040	330	0	
		Type II		SF	0	0	0	
		Other	20	SF	30951	26264	0	
441-xx	General Supply Storage - Covered		27	SF	755399	49400	31144	
451-xx	General Supply Storage - Open		48	SY	93266	0	O	

10. 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: **GENERAL WAREHOUSE, (B76,455) 441-10**
b. WHAT MAKES IT INADEQUATE? **Structural, electrical condition**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Storage**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$1.5M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **None**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: DEMOLITION, **$75,000**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

Facilities e. Other Facilities

1. In the following table, indicate the available space and condition for each facility designated or used for the functions indicated. **Note: Data in table does not include data from table in d.9.**

Building type	NAVFAC (P-80) category code	Installation space (KSF)			
		Adequate	Substandard	Inadequate	Total
Maintenance Facilities	210-xx	40.7	21.4	0	62.1
Production Facilities	220-xx	24.0	3.7	0	27.7
RDT&E Facilities	300-xx	110.8	11.9	0	122.7
Supply Facilities	400-xx	10.9	1.9	26.9	39.7
Hospital, Medical, Dental	500-xx	80.9	15.7	0	96.6
Administrative Facilities	600-xx	659.3	87.4	84.2	830.9
Utilities/Grounds Improvements	800-xx	20.8	2.7	0	23.5
	TOTAL	947.4	144.7	111.1	989

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

a. FACILITY TYPE/CODE: **COLD STRG WHSE (B680), 431-10**
b. WHAT MAKES IT INADEQUATE? **Obsolete refrigeration sys, functional design**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Cold storage**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$1M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **General storage, $80,000**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Being replaced by new facility under construction**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **Yes**

a. FACILITY TYPE/CODE: **ADMIN BLDGS (VARIOUS), 610-10**
b. WHAT MAKES IT INADEQUATE? **Condition, functional and space criteria**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Admin offices, Admin storage**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$3M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **None**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

Facilities

e. Other Facilities

1. In the following table, indicate the available space and condition for each facility designated or used for the functions indicated. **Note: Data in table does not include data from table in d.9.**

Building type	NAVFAC (P-80) category code	Installation space (KSF)			
		Adequate	Substandard	Inadequate	Total
Maintenance Facilities	210-xx	40.7	21.4	0	62.1
Production Facilities	220-xx	24.0	3.7	0	27.7
RDT&E Facilities	300-xx	110.8	11.9	0	122.7
Supply Facilities	400-xx	10.9	1.9	26.9	39.7
Hospital, Medical, Dental	500-xx	80.9	15.7	0	96.6
Administrative Facilities	600-xx	473.1	59.4	84.2	616.7
Utilities/Grounds Improvements	800-xx	20.8	2.7	0	23.5
	TOTAL	761.2	116.7	111.1	989

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

a. FACILITY TYPE/CODE: **COLD STRG WHSE (B680), 431-10**
b. WHAT MAKES IT INADEQUATE? **Obsolete refrigeration sys, functional design**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Cold storage**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$1M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **General storage, $80,000**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Being replaced by new facility under construction**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **Yes**

a. FACILITY TYPE/CODE: **ADMIN BLDGS (VARIOUS), 610-10**
b. WHAT MAKES IT INADEQUATE? **Condition, functional and space criteria**
c. WHAT USE IS BEING MADE OF THE FACILITY? **Admin offices, Admin storage**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$3M**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Admin storage $0**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **None**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

Features and Capabilities

a. Ship Berthing, Maintenance, and Supply

1. For each Pier/Wharf at your facility list the following structural characteristics.

Pier/ Wharf & Age	CCN	Moor Length (ft)	Design Dredge Depth (ft) (MLLW)	Slip Width (ft)	Pier Width (ft)
Pier Alpha 1940	151-20	580 ft	NE 30 ft SW 30 ft	NE 150 ft SW 240 ft	
Pier Bravo 1940	151-20	605 ft	NE 30 ft	240 ft	Seawall
Pier Charlie (Allegany Pier) 1991	151-20	* 1,167 ft	42 ft	2,000 ft turning basin	Seawall

*** 830 ft seawall plus 337 ft finger pier = 1,167 ft**

Features and Capabilities

b. Housing and Messing

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

OCS

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-602-72411	236	59	0	0	0	0	236	334
P-602-72411	8	4	0	0	0	0	8	184
P-602-72411	148	37	0	0	0	0	148	289
P-602-72411	10	5	0	0	0	0	10	172

BOQ

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-34-72412	4	4	4	400	0	0	0	0
P-600-72411	25	62	0	0	0	0	25	160
P-3246-72411	218	218	218	260	0	0	0	0
P-3~~246~~ 57-72411	258	258	258	260	0	0	0	0
P-32~~51~~ 52-72411	243	243	243	260	0	0	0	0

HEARD CNET N-4483 ~~Ana~~ 8 Apr 94

BEQ

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-3468-72114	240	80	~~3~~ 240	255				
P-3469-72111	112	56	~~2~~ 112	255				
P-3470-72111	168	84	~~2~~ 168	255				
P-3471-72113	28	28					+28	255
P-3471-72112	56	56	~~1~~ 56	255				

HEARD CNET N-4483 ~~Ana~~ 28 Apr 94

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-3472-72113	2	4	2	510	VIP SUITES			
P-3472-72111	128	64	~~2~~ 128	255				
P-3473-72113	60	60	~~1~~ 60	255				
P-3474-72112	40	40	~~1~~ 40	255				
P-3475-72113	48	48	~~1~~ 48	255				
P-623-72114	24	12					~~2~~ 24	135
P-623-72114	9	27					~~3~~ 9	179
P-623-72114	19	76					~~4~~ 19	249
P-623-72114	12	48					~~4~~ 12	269
P-623-72114	17	68	~~4~~ 17	359				
P-3248-72113	8	8					~~1~~ 8	135
P-3248-72113	10	10	~~1~~ ~~10~~	~~179~~			~~1~~ 10	179
P-3248-72112	108	36	~~3~~ ~~108~~	~~269~~			~~3~~ 108	269
P-3248-72112	11	44	~~4~~ ~~11~~	~~359~~			~~4~~ 11	349
P-3248-72111	105	1	OPEN BAY				105	8,816

HEARD CNET N-4433 28 APR 94 ~~AOA~~

PER CDR MARTIN NAS BQ DEPT. HD. 28 Apr 94

HEARD CNET N-4433 ~~AOA~~ 28 Apr 94

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

OCS

a. FACILITY TYPE/CODE: **P/602/72411 P/626/72411**

b. WHAT MAKES IT INADEQUATE? **As per 1986 engineering evaluation:**

B04 Functional Criteria - Plumbing/Piping/Fixtures
C04 Design Criteria - Plumbing/Piping/Fixtures
C26 Design Criteria - Building Interior/Configuration
C41 Design Criteria - Toilets (Bachelor Housing)

c. WHAT USE IS BEING MADE OF THE FACILITY? **Officer Candidate School billeting, offices and classrooms.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **Pending engineering evaluation update last EE 1986.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Due to unique school training requirements no other use acceptable.**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **None**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

BOQ

a. FACILITY TYPE/CODE: **P/600/72411**

b. WHAT MAKES IT INADEQUATE?

E05-Obsolescence fire deterrent system

C26 Design Criteria - Interior configuration

E47-Obsolescence facility characteristics

c. WHAT USE IS BEING MADE OF THE FACILITY? **Offices and bachelor officer quarters for geographical bachelors.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **Unknown pending engineering evaluation update last EE 1986.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Unknown pending engineering evaluation update last EE 1986.**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Pending approval repairs/alterations $3,500,000 program number R31-92.**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

BEQ

a. FACILITY TYPE/CODE: **P-72113, Building 3471**

b. WHAT MAKES IT INADEQUATE? **Square footage requirements for permanent party E-7 through E-9.**

c. WHAT USE IS BEING MADE OF THE FACILITY? **CPO permanent party quarters.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$480,000 to convert 28 rooms into CPO suites.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **House E-5 and E-6 only.**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **CNO quality of life project scheduled to be renovated FY 95/96.**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

a. FACILITY TYPE/CODE: **P-72114, Building 623**

b. WHAT MAKES IT INADEQUATE? **Square footage per room - gang heads utilization requirements.**

c. WHAT USE IS BEING MADE OF THE FACILITY? **E-1 through E-4 air crewmen school berthing.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$580,000 to bring up to standards.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **None**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **CNO quality of life project scheduled to be renovated FY 95/96.**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

a. FACILITY TYPE/CODE: **P-72113, Building 3248**
b. WHAT MAKES IT INADEQUATE? **Square footage per room, open bays, gang heads.**
c. WHAT USE IS BEING MADE OF THE FACILITY? **E-1 through E-4 air crewmen school berthing.**
d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$750,000.**
e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **E-1 through E-4 "A" school students due to gang heads.**
f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **CNO quality of life project scheduled to be renovated FY 96/97.**
g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? ~~No~~ YES

PER CDR MARTIN, BQ DEPT HD 28 APR 94

HEARD
CNET N-4433
~~AA~~
28 Apr 94

Features and Capabilities

b. Housing and Messing

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

OCS

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-602-72411	236	59					236	334
P-602-72411	8	4					8	184
P-626-72411	148	37					148	289
P-626-72411	10	5					10	172

BOQ

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-34-72412	4	4	4	400				
P-600-72411	43	62	18	460			25	160
P-3246-72411	218	218	218	260				
P-3251-72411	121	121	121	520				
P-3251-72411	243	243	243	260				

HEARD CNET N-4433 28 Apr 94 to A

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-3468-72111	168	84	2/168	255				
P-3469-72111	112	56	2/112	255				
P-3470-72111	168	84	2/168	255				
P-3471-72112	84	84	1/84	255				
P-3472-72113	2	4	2	510	VIP SUITES			
P-3472-72111	128	64	2/128	255				

HEARD CNET N-4433 A 28 Apr 94

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NAS PENSACOLA UIC 00204
DATA CALL TWO REVISION (26 AUG 94)

Addendum to:

Features and Capabilities

b. Housing and Messing

3. In addition to BEQs reported on previous page, the following will be constructed in conjunction with the relocation of NATTC from Millington, TN to Pensacola, FL:

Facility Type, Bldg #, & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substand		Inadeq	
			Beds	SF	Beds	SF	Beds	SF
P-A-72111	560	280	560	220				
P-B-72111	560	280	560	220				
P-C-72111	560	280	560	220				
P-D-72111	560	280	560	220				
P-E-72111	444	444	444	220				
P-F-72111	560	280	560	220				
P-G-72111	560	280	560	220				
P-H-72111	560	280	560	220				
P-I-72111	560	280	560	220				

Estimated completion date 1997. Square footage is net room size.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
P-3473-72113	60	60	1	255				
P-3474-72113	20	40	1	510	CPO PERMANENT PARTY			
P-3475-72113	24	48	1	510	CPO PERMANENT PARTY			
P-623-72113	160	80	2	225				
P-3248-72113	8	8					~~1~~ 8	135
P-3248-72113	10	10	~~1~~	~~179~~			~~1~~ 10	179
P-3248-72112	108	36	~~3~~	~~269~~			~~3~~ 108	269
P-3248-72112	11	44	~~4~~	~~359~~			~~1~~ 11	349
P-3248-72111	105	1	OPEN BAY				105	8,816

PER CDR MARTIN NAS BQ

HEARD CNETN-4433 ~~to A~~ 28 Apr 94

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

OCS

a. FACILITY TYPE/CODE: **P/602/72411 P/626/72411**

b. WHAT MAKES IT INADEQUATE? **As per 1986 engineering evaluation:**

B04 Functional Criteria - Plumbing/Piping/Fixtures.
C04 Design Criteria - Plumbing/Piping/Fixtures.
C26 Design Criteria - Building Interior/Configuration.
C41 Design Criteria - Toilets (Bachelor Housing)

c. WHAT USE IS BEING MADE OF THE FACILITY? **Officer Candidate School billeting, offices and classrooms.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **Pending engineering evaluation update last EE 1986.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Due to unique school training requirements no other use acceptable.**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **None**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

BOQ

a. FACILITY TYPE/CODE: **P/600/72411**

b. WHAT MAKES IT INADEQUATE?

E05-Obsolescence fire deterrent system

C26 Design Criteria - Interior configuration

E47-Obsolescence facility characteristics

c. WHAT USE IS BEING MADE OF THE FACILITY? **Offices and bachelor officer quarters for geographical bachelors.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **Unknown pending engineering evaluation update last EE 1986.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **Unknown pending engineering evaluation update last EE 1986.**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **Pending approval repairs/alterations $3,500,000 program number R31-92.**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

BEQ

a. FACILITY TYPE/CODE: **P-72113, Building 3248**

b. WHAT MAKES IT INADEQUATE? **Square footage per room, open bays, gang heads.**

c. WHAT USE IS BEING MADE OF THE FACILITY? **GB E-5 through E-9.**

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? **$750,000.**

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? **E-1 through E-4 "A" school students due to gang heads.**

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: **CNO quality of life project scheduled to be renovated FY 96/97.**

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? **No**

R

UIC: 00204

Features and Capabilities

b. Housing and Messing (cont.)

9. 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	
721-45 Dining Facility (Built-in, attached) Bldg 601	12,503	0	0	244	12,503	0	0	550
721-45 Dining Facility (Built-in, attached) Bldg 602	21,317	0	0	192	21,317	0	0	350
722-10 Dining Facility Bldg 1907	14,983	256	14,983	0	0	0	0	170

Buildings 601 and 602 have been rated as substandard by NAVFAC criteria.

10. 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?

Encl (1)

Features and Capabilities

b. Housing and Messing (cont.)

9. 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	
721-45 Mess Hall, Bldg 601	12,651	244	4,675					550
721-45 Mess Hall, Bldg 602	20,917	192	4,645					350

10. 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?

UIC: 00204

Feature and Capabilities

b. Housing and Messing (cont)

11. 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	
721-45 Dining Facility (Built-in, Attached) Bldg 601 *	12,503	0	0	244	12,503	0	0	550
721-45 Dining Facility (Built-in, attached) Bldg 602 *	21,317	0	0	192	21,317	0	0	350
722-10 Dining Facility Bldg 1907	14,983	256	14,983	0	0	0	0	170
** New Galley	55,000	792	55,000	0	0	0	0	4,500

*** Buildings 601 and 602 have been rated as substandard by NAVFAC criteria.**
**** Ground Breaking in Fall 1995. On line for Spring 1997, in support of NATTC migration.**

12. 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?

~~ENCL (1)~~

Features and Capabilities

b. Housing and Messing (cont.)

11. 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	
721-45 Mess Hall Bldg 601	12,651	244	4,675					550
721-45 Mess Hall Bldg 602	20,917	192	4,645					350
* New Galley	55,000	5,500	13,856					4,500

*** Ground Breaking in Fall 1995. On line for Spring 1997.**

12. 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?

R

UIC: 00204

Addendum to Data Call Two: Capacity for Training Air Stations

1. For each type and level of pilot training, give the number of planes that are required per PTR (e.g., if it takes 40 planes to train 200 students (including overhead), then the requirement is .2 (40/200) planes per PTR). Give best estimates for JPATS.

Type of Pilot Training	Level of Pilot Training	Trainer Aircraft	Number of Planes per PTR
General	Primary	T-34C	N/A
		JPATS	N/A
Strike	Intermediate	T-2	N/A
	Advanced	TA-4J	N/A
	Intermediate & Advanced	T-45	N/A
E2/C2	Intermediate	T-44	N/A
	Advanced	T-2	~~.19270~~ .19262 *
Maritime	Intermediate	T-34C	N/A
		JPATS	N/A
	Advanced	T-44	N/A
Rotary Wing	Intermediate	T34C	N/A
		JPATS	N/A
	Advanced	TH-57	N/A

* per personnel planning factors dtd 15 Apr 94
LCDR USN/N3-CNATRA
9-14-93

Encl (2)
1

R

UIC: 00204

Addendum to Data Call Two: Capacity for Training Air Stations

2. For each type and level of NFO training, give the number of planes that are required per NFOTR (e.g., if it takes 40 planes to train 200 students (including overhead), then the requirement is .2 (40/200) planes per NFOTR).

Type of NFO Training	Level of NFO Training	Trainer Aircraft	Number of Planes per PTR
General	Primary	T-34C	~~.04494~~ .04505
		JPATS	N/A
	Intermediate	T-34C	~~.06503~~ .06527
		JPATS	N/A
		T-39	~~.01747~~ .01753
		T-2	N/A
RIO	Advanced	T-39	.05527
		T-2	~~.03683~~ .03689
OJN	Advanced	T-39	~~.04002~~ .04007
		T-2	~~.03662~~ .03657 ~~.03560~~
TN	Advanced	T-39	.04169
		T-2	~~.03563~~ .03560
WSO	Advanced	T-39	.05147
		T-2	.03664
NAV	Advanced	T-43	~~N/A~~ .14716*

* preliminary planning estimate only.

Per perceptive planning factors dtd 15 APR 94 — CNATRA N3

I. Velez
16 Sept 94

Encl (2)
2

R

UIC: 00204

Addendum to Data Call Two: Capacity for Training Air Stations

3. For each type and level of pilot training, give the instructor-to-student ratio.

Type of Pilot Training	Level of Pilot Training	Instructor-to-Student Ratio
General	Primary	N/A
Strike	Intermediate	N/A
	Advanced	N/A
	Intermediate & Advanced	N/A
E2/C2	Intermediate	N/A
	Advanced	~~.21198~~ .21194
Maritime	Intermediate	N/A
	Advanced	N/A
Rotary Wing	Intermediate	N/A
	Advanced	N/A

4. For each type and level of NFO training, give the instructor-to-student ratio.

Type of NFO Training	Level of NFO Training	Instructor-to-Student Ratio	
General	Primary	T-34	~~.06592~~ .08748
	Intermediate	T-34	~~.09434~~ .09458
		T-39	~~.02689~~ .03986
RIO	Advanced	T-2	.05711 ~~.05706~~
		T-39	.21285 ~~.12378~~
OJN	Advanced	T-2	.05663 ~~.05671~~
		T-39	.11083 ~~.08705~~
TN	Advanced	T-2	.05518 ~~.05520~~
		T-39	.11200 ~~.09232~~
WSO	Advanced	T-2	.05520
		T-39	.11347
NAV	Advanced	T-43	~~N/A~~ .14532*

per pecetline planning factors 8 to 15 April 94a
I. Velez CNATRA N3
14 Sep 94

* preliminary estimate only

Encl (2)
3

R

UIC: 00204

Addendum to Data Call Two: Capacity for Training Air Stations

5. For each type and level of pilot training, give the historic percentage of overhead flights (i.e., the percent of overhead flights relative to number of flights by graduating students). For example, if in 1992 graduating students flew 2000 flights and there were 500 overhead flights, then the percentage of overhead flights would be (500/2000) x 100 = 25%.

Type of Pilot Training	Level of Pilot Training	Percentage of Overhead Flights
General	Primary	N/A
Strike	Intermediate	N/A
	Advanced	N/A
	Intermediate & Advanced	N/A
E2/C2	Intermediate	N/A
	Advanced	28
Maritime	Intermediate	N/A
	Advanced	N/A
Rotary Wing	Intermediate	N/A
	Advanced	N/A

6. For each type and level of NFO training, give the historic percentage of overhead flights (i.e., the percent of overhead flights relative to number of flights by graduating students). For example, if in 1992 graduating students flew 2000 flights and there were 500 overhead flights, then the percentage of overhead flights would be (500/2000) x 100 = 25%.

Type of NFO Training	Level of NFO Training		Percentage of Overhead Flights
General	Primary	T-34	28
	Intermediate	T-2 / T-39	25
RIO	Advanced	T-2 / T-39	~~10~~ 16
OJN	Advanced	T-2 / T-39	25
TN	Advanced	T-2 / T-39	20
WSO	Advanced	T-2 / T-39	17
NAV	Advanced	T-2 / T-39	N/A

N3111 11/1/94

Enc/ (2)
4

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UIC: 00204

Addendum to Data Call Two: Capacity for Training Air Stations

5. For each type and level of pilot training, give the historic percentage of overhead flights (i.e., the percent of overhead flights relative to number of flights by graduating students). For example, if in 1992 graduating students flew 2000 flights and there were 500 overhead flights, then the percentage of overhead flights would be (500/2000) x 100 = 25%.

Type of Pilot Training	Level of Pilot Training	Percentage of Overhead Flights
General	Primary	N/A
Strike	Intermediate	N/A
	Advanced	N/A
	Intermediate & Advanced	N/A
E2/C2	Intermediate	N/A
	Advanced	28
Maritime	Intermediate	N/A
	Advanced	N/A
Rotary Wing	Intermediate	N/A
	Advanced	N/A

6. For each type and level of NFO training, give the historic percentage of overhead flights (i.e., the percent of overhead flights relative to number of flights by graduating students). For example, if in 1992 graduating students flew 2000 flights and there were 500 overhead flights, then the percentage of overhead flights would be (500/2000) x 100 = 25%.

Type of NFO Training	Level of NFO Training		Percentage of Overhead Flights
General	Primary	T-34	28
	Intermediate	T-2 / T-39	25
RIO	Advanced	T-2 / T-39	10
OJN	Advanced	T-2 / T-39	25
TN	Advanced	T-2 / T-39	20
WSO	Advanced	T-2 / T-39	17
NAV	Advanced	T-2 / T-39	N/A

Enc/ (2)
4

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UIC: 00204

Addendum Two to BRAC-95 Data Call Two: Base Infrastructure and Investment

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

Table 19.1 Capital Improvement Expenditure

Project Number	Description	Fund Year	Value
P601	Medical/Dental Clinic	86	8,095
P562	Aircraft Structures Repair Facility	87	9,403
P596	Youth Center	87	1,224
P077	Aviation Physiology Training Bldg	88	1,876
P609	Recreation Cabins	88	588
P093	Hazardous Waste Storage Facility	88	649
P107	Wastewater Treatment Improvements	88	2,596
P597	Dredge Channel and Turning Basin	88	16,200
P602	Pier Improvements and Dredging	89	25,600
P579	Hazardous Material Warehouse	89	2,047
P109	Sanitary Sewer	90	2,100
P111	Cross Connection Control	91	3,400
P271	Cold Storage Facility	92	3,600
P538	Navy Lodge	93	3,061

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UIC: 00204

Addendum Two to BRAC-95 Data Call Two: Base Infrastructure and Investment

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
P047	Replace Brig (Under Construction)	92	3,014
P100	Fuel Tankage (Under Construction)	93	12,212
P568	Sea Survival Facility	94	4,600
P623	Radar Air Traffic Control Center	94	1,900
P620	Control Tower	95	2,100
S093MP03	Commissary Store	95	11,282
P102	Medical Clinic Addition	96	2,800
P110	Replace Potable Water Reservoirs	97	8,860

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

SA CNET N4434 10/3/94

Table 20.2 Planned Capital Improvements

Project Number	Description	Fund Year	Value ($M)
P654	Medical/Dental Clinic	95	5.52
P656	Consolidated Training School	95	73.089 ~~94.84~~
P657	AE School	95	10.2
P659	PR/AME School	95	12.1
P662	Shore Aircraft Fire & Rescue Training FAC	95	7.61
P663	Carrier Fire Training Facility	95	2.25
P665	Fire Mat Training Mockup	95	1.7
P664	Marine Expeditionary Airfield	95	.85
P666	MEMD	95	1.3
P671	MS A School (UP)	96 ~~95~~	3.85 ~~3.7~~
P660	ATC/DOT/AR/AME	95	11.5

UIC: 00204

Addendum Two to BRAC-95 Data Call Two: Base Infrastructure and Investment

P672	NAMTRAGRU and Marine Facilities	95	3.1 ~~3.05~~
P673	NATTC BEQ	95	108.15
P674	MS A School BEQ (up)	96 ~~95~~	6.1 4.9
P675	Dining Facility	95	10.4
P676	MWR Facilities	95	11.1
P677	Site Development and Utilities	94 ~~95~~	4.0 ~~25.0~~ 20.5
P678	Family Housing	96	10.7

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10/3/94

Command: **NAS Pensacola**

Data Call Number Two Revisions and Addendum Pages
(Pages 5, 6, 11, 13, 13-a and A-1 - A-7)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

PETobin
Signature

Acting
Title

10/12/94
Date

CNET
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

WAEarner
Signature

Title

10/21/94
Date

NAS PENSACOLA UIC 00204
ADDENDUM OF 9/19/94, PAGES A5, A6 & A7

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

Date 9/21/94

TRAINING AIR WING SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

Date 29 SEP 94

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

9/19/94
Date

NAVAL AIR STATION PENSACOLA
Activity

ADDENDUM PAGES:
A-5 (9/19/94)
A-6 (9/19/94)
A-7 (9/19/94)

NAS PENSACOLA UIC 00204
STATION REVISIONS OF 9/8/94, PGS 5,6,11,13,13A & A1-A4 (ADDENDUM)

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

MWV
Signature

Commander
Title

9/8/94
Date

Training Air Wing SIX
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)

P. R. STATSKEY, CAPT, USN
~~W. B. HAYDEN, RADM, USN~~
NAME (Please type or print)

PRStatskey
Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

29 SEP 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

Encl 4

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

9/8/94
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
5 R (9/8/94)
6 R (9/8/94)
11 R (9/8/94)
13 R (9/8/94)
13-a R (9/8/94)

ADDENDUM PAGES:
A-1 (9/8/94)
A-2 (9/8/94)
A-3 (9/8/94)
A-4 (9/8/94)

Command: **NAS Pensacola**

Data Call Number Two

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

Acting
Title

28 APRIL 94
Date

CNET
Activity

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

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

J.B. Greene, Jr.
NAME (Please type or print)

Signature

Acting
Title

5 MAY 1994
Date

BRAC-95 DATA CALL NUMBER TWO CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

CAPT M.C. VOGT USN
NAME (Please type or print)

Signature

COMTRAWING SIX
Title

4/19/94
Date

NAS PENSACOLA
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

23 APR 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER TWO CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

ACTIVITY COMMANDER

W T R BOGLE CAPT USN	W T R Bogle
NAME (Please type or print)	Signature
COMMANDING OFFICER	19 APR 94
Title	Date
NAS Pensacola	
Activity	

Revision
Page 30 & 61b

Command: **NAS Pensacola**

Data Call Number Two Revisions
(30, & 61b)

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

MAJOR CLAIMANT LEVEL

J. D. ANDERSON
NAME

J D Anderson
Signature

Acting
Title

6/1/94
Date

CNET
Activity

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

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

J.B. GREENE JR
NAME

J B Greene Jr
Signature

ACTING
Title

6/8/94
Date

Revision pgs 30 & 61b

BRAC-95 DATA CALL 2
NAS PENSACOLA UIC 00204

CNATRA REVISIONS OF 5/18/94, PAGES 30 & 61b

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
~~W. B. HAYDEN, RADM, USN~~
NAME (Please type or print)

P R Statskey
Signature

Chief of Naval Air Training (ACTING)
Title

25 May 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

Command: **NAS PENSACOLA**

Data Call Number Two Revisions
(Pages 2, & 3)

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND	T L McClelland
NAME	Signature
CNET	6/10/94
Title	Date
CNET	
Activity	

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

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

J. B. GREENE, JR.	J B Greene Jr
NAME	Signature
ACTING	6/20/94
Title	Date

BRAC-95 DATA CALL 2
NAS PENSACOLA UIC 00204

CNATRA REVISIONS OF 6/7/94, PAGES 2 & 3

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
~~W. B. HAYDEN, RADM, SCN~~
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

7JUN94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

228

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 17, 18, 19, 20, 22, 54, 56, and 58)

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

MAJOR CLAIMANT LEVEL

R. K. U. KIHUNE
NAME

Signature

CNET
Title

15 JUN 1994
Date

CNET
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

Signature

ACTING
Title

27 JUN 1994
Date

BRAC-95 DATA CALL 2
NAS PENSACOLA UIC 00204

REVISIONS IRT BSAT MEMO OF 31 MAY 94 (MAJ GERKE), PAGES 17, 18,19,20,22,54,56 & 58 (OF 6/7/94)

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
~~W. B. HAYDEN, RADM, USN~~
NAME (Please type or print)

Signature

Chief of Naval Air Training(ACTING)
Title

10 JUN 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M.C. VOHT CAPT USN
NAME (Please type or print)

Signature

COMMANDER
Title

6/8/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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 DATA CALL NUMBER 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

W. T. R. BOGLE, CAPT, U.S. NAVY
NAME (Please type or print)

W T R Bogle
Signature

COMMANDING OFFICER
Title

6/7/94
Date

NAVAL AIR STATION PENSACOLA
Activity

DEPARTMENT OF THE NAVY
FLEET NUMERICAL METEOROLOGY AND OCEANOGRAPHY DETACHMENT
FEDERAL BUILDING
37 BATTERY PARK AVENUE
ASHEVILLE, NC 28801-2696

3146
Ser 276
14 Apr 1994

From: Officer in Charge, Fleet Numerical Meteorology and Oceanography Detachment, Asheville
To: Distribution

Subj: CLIMATIC DATA TO SUPPORT BASE REALIGNMENT AND CLOSURE 1995 (BRAC 95) DATA CALL

Ref: (a) PHONCON FLENUMMETOC DET (LCDR Ruth)/NAS Pensacola Operations Department (AC1 Jordan) of 4 Apr 94
(b) NAVTRAMETOCDET Meridian ltr 3148 Ser 01/042 of 5 Apr 94
(c) PHONCON FLENUMMETOC DET (LCDR Ruth)/NAVTRAMETOCDET Corpus Christi (AGC Persiani) of 6 Apr 94
(d) PHONCON FLENUMMETOC DET (LCDR Ruth)/NAVTRAMETOCDET Kingsville of 6 Apr 94
(e) PHONCON FLENUMMETOC DET (LCDR Ruth)/NAVTRAMETOCDET Whiting Field (AGCS Danford) of 7 Apr 94

Encl: (1) Percent Frequency CEILING VS VISIBILITY - ANNUAL TABLE for ALL HOURS LST -- NAS Pensacola
(2) Percent Frequency CEILING VS VISIBILITY - ANNUAL TABLE for ALL HOURS LST -- NAS Meridian
(3) Percent Frequency CEILING VS VISIBILITY - ANNUAL TABLE for ALL HOURS LST -- NAS Corpus Christi
(4) Percent Frequency CEILING VS VISIBILITY - ANNUAL TABLE for ALL HOURS LST -- NAS Kingsville
(5) Percent Frequency CEILING VS VISIBILITY - ANNUAL TABLE for ALL HOURS LST -- NAS Whiting Field

1. Enclosures (1) through (5) forward the 1993 Annual Ceiling vs. Visibility tables for interim use as input to a Base Realignment and Closure (BRAC) 1995 data call as requested in references (a) through (e). Additionally, a floppy diskette is being forwarded that contains hourly data tables for 1991, 1992, and 1993 data years. The tables are developed during normal production of the Summary of Meteorological Observations Surface (SMOS). Because of the voluminous nature of each year's summarized data, only the three-hourly subset is developed and distributed with the SMOS product. However, if there is a need for the routine distribution of the hourly tables to meet local support requests, please forward your requirement in official correspondence.

2. Points of contact are LCDR Dennis Ruth or Mr. Brian Wallace, (704) 271-4852, facsimile (704) 271-4672.

D. B. Ruth
D. B. RUTH

OPTIONAL FORM 99 (7-90)
FAX TRANSMITTAL
# of pages ▶ 7
ATTN: AC1 Jordan
From FNMOC Asheville
NAS Pensacola OPS
Phone #
Fax #
GENERAL SERVICES ADMINISTRATION
5099-101

ATTACHMENT A

Subj: CLIMATIC DATA TO SUPPORT BASE REALIGNMENT AND CLOSURE 1995 (BRAC 95) DATA CALL

Distribution:
NAVTRAMETOCDET Meridian
NAVTRAMETOCDET Kingsville
NAS Pensacola (ATTN: AC1 Jordan)
NAVTRAMETOCDET Whiting Field
NAVTRAMETOCDET Corpus Christi

Copy to: (w/o encl)
NAVLANTMETOCEN Norfolk
NAVLANTMETOCFAC Jacksonville
NAVTRAMETOCDET Pensacola
FLENUMMETOCCEN
COMNAVMETOCCOM N3/N4

----------INTERNATIONAL STATION METEOROLOGICAL CLIMATE SUMMARY----------

:STA 722225 : KNPA : PENSACOLA NAS ,FL,US
:LAT 30 21N :LONG 087 19W :ELEV 30(ft) 9(m) :TYPE NAVY SMOS V3 13041994
2 - Percent Frequency CEILING VS VISIBILITY (from HOURLY Obs)

VISIBILITY in Statute Miles

ANN ALL LST

CEILING	>=10	>=6	>=5	>=4	>=3	>=2 1/2	>=2	>=1 1/2	>=1 1/4	>=1	>=3/4	>=5/8	>=1/2	>=5/16	>=1/4	>=0
UNLIMIT	0	51.3	52.8	53.4	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
>=20000	0	61.5	63.3	64.0	64.5	64.6	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
>=18000	0	61.6	63.3	64.1	64.6	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
>=16000	0	61.6	63.3	64.1	64.6	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
>=14000	0	62.8	64.6	65.4	65.9	66.0	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.5	66.5
>=12000	0	65.0	67.0	67.8	68.3	68.4	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9
>=10000	0	69.4	71.5	72.3	72.9	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5
>=9000	0	69.9	72.0	72.9	73.4	73.5	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
>=8000	0	72.9	75.1	76.2	76.8	76.9	77.2	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4
>=7000	0	75.2	77.5	78.6	79.2	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.9	79.9
>=6000	0	75.7	78.0	79.1	79.7	79.9	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4
>=5000	0	76.1	78.5	79.6	80.3	80.4	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9
>=4500	0	76.9	79.3	80.4	81.1	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7
>=4000	0	77.3	79.8	80.9	81.7	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
>=3500	0	77.8	80.3	81.5	82.2	82.4	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9
>=3000	0	79.1	81.7	83.0	83.8	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5
>=2500	0	80.5	83.2	84.5	85.4	85.6	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.3
>=2000	0	82.2	85.3	86.6	87.6	87.8	88.3	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
>=1800	0	82.2	85.3	86.7	87.7	87.8	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6
>=1500	0	84.0	87.3	88.8	89.9	90.1	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9
>=1200	0	85.1	88.7	90.3	91.4	91.7	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.5	92.5
>=1000	0	86.0	89.8	91.7	92.8	93.1	93.6	93.7	93.7	93.8	93.8	93.8	93.9	93.9	94.0	94.0
>=900	0	86.4	90.4	92.3	93.5	93.7	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.6	94.6	94.6
>=800	0	86.7	90.8	92.8	94.1	94.3	94.9	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.3	95.3
>=700	0	87.0	91.2	93.2	94.6	94.9	95.5	95.5	95.5	95.7	95.7	95.7	95.8	95.8	95.9	95.9
>=600	0	87.4	91.7	93.8	95.3	95.6	96.2	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.6	96.6
>=500	0	87.7	92.2	94.4	96.0	96.4	97.0	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.6	97.6
>=400	0	87.8	92.4	94.8	96.5	97.0	97.6	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.2	98.2
>=300	0	87.8	92.5	95.0	96.8	97.3	98.0	98.2	98.2	98.5	98.5	98.5	98.6	98.6	98.7	98.7
>=200	0	87.8	92.6	95.1	97.1	97.6	98.4	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.3
>=100	0	87.8	92.6	95.2	97.2	97.7	98.5	98.8	98.8	99.1	99.3	99.3	99.6	99.6	99.8	99.9
>=0	0	87.8	92.6	95.2	97.2	97.7	98.5	98.8	98.8	99.1	99.3	99.3	99.6	99.6	99.9	100

* = EXCESSIVE MISSING DATA - VALUE NOT COMPUTED

----------FEDERAL CLIMATE COMPLEX ASHEVILLE----------

Enclosure (1)

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 35 and 35a)

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

Acting
Title

7/21/94
Date

CNET
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

Signature

Title

8/3/94
Date

ADDENDUM TO BRAC-95 DATA CALL 2 CERTIFICATION

18 JUL 1994

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

NEXT ECHELON LEVEL (if applicable)

M.C. VOGT, CAPT USN
NAME (Please type or print)

Signature

COMMANDER
Title

6/27/94
Date

TRAINING AIR WING SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

15JUL94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

Encl 2 (1)

Revision
pg 351 352

ADDENDUM TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

W. T. R. BOGLE, CAPT, U.S. NAVY
NAME (Please type or print)

W T R Bogle
Signature

COMMANDING OFFICER
Title

6/24/94
Date

NAVAL AIR STATION PENSACOLA
Activity

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 1-8)

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

Acting
Title

~~8/4/94~~ 8/5/94
Date

CNET
Activity

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

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

J. B. GREENE, JR.
NAME

Signature

ACTING
Title

15 AUG 1994
Date

AMENDMENT TO BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

Signature

Commander
Title

7/18/94
Date

Training Air Wing SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

2 AUG 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

AMENDMENT TO BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

W. T. R. BOGLE, CAPT, U.S. NAVY
NAME (Please type or print)

WTR Bogle
Signature

COMMANDING OFFICER
Title

18 July 94
Date

NAVAL AIR STATION PENSACOLA
Activity

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 2 and 3)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

PETobin
Signature

CNET
Title

27 JUL 1994
Date

CNET
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

WAEarner
Signature

Title

8/4/94
Date

Incl (1)

BRAC 95 DATA CALL 2
NAS PENSACOLA UIC 00204

CNATRA REVISIONS 7/14/94, PAGES 2 AND 3

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

7/20/94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

228

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 42a and 42b)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN	PET
NAME	Signature
ACTING	18AUG94
Title	Date
CNET	
Activity	

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

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

J. B. GREENE, JR.	JB Greene Jr
NAME	Signature
ACTING	22 AUG 1994
Title	Date

AMENDMENT TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

Signature

Commander
Title

8/8/94
Date

Training Air Wing SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W.B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

9 AUG 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

AMENDMENT TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

0 4 AUG 1994
Date

NAVAL AIR STATION PENSACOLA
Activity

Command: **NAS Pensacola**

Data Call Number Two
CNET Generated Revision (Page 70a)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

Signature

Acting
Title

26 AUG 1994
Date

CNET
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

Signature

Title

9/1/94
Date

228

Command: **NAS Pensacola**

Data Call Number Two Revision
(Page 39)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT	TW Wright
NAME	Signature
CNET	9-1-94
Title	Date
CNET	
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	WA Earner
NAME	Signature
	9/8/94
Title	Date

NAS PENSACOLA UIC 00204
STATION REVISION OF 8/24/94, PG 39

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, USN
NAME (Please type or print)

Signature

Commander
Title

8/24/94
Date

Training Air Wing SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

26 AUG 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

REVISION TO BRAC-95 DATA CALL 2 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."

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY NAME (Please type or print)	Tim Thom Signature
COMMANDING OFFICER Title	24 AUG 94 Date
NAVAL AIR STATION PENSACOLA Activity	

PAGES:
39 R (8/24/94)

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 1-a, 2-a, 17, 17-a, 18, 18-a, 19-21, 21-a, 22,
42-a - 42-d, 54, 54-a, 55, 55-a, 56, 57, 59, 59-a, 64, 73, and 74)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN	PETobin
NAME	Signature
Acting	10/12/94
Title	Date
CNET	
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	WAEarner
NAME	Signature
	10/21/94
Title	Date

BRAC 95 DATA CALL 2
NAS PENSACOLA UIC 00204

CNATRA REVISIONS OF 9/30/94, PAGES 1A & 2A

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

WBHayden
Signature

CHIEF OF NAVAL AIR TRAINING
Title

30 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

Encl (6)

NAS PENSACOLA UIC 00204
STATION REVISIONS OF 9/23/94, pages 17,17a,18,18a & 55a

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, U. S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

9/26/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

30 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

NAS PENSACOLA UIC 00204
STATION REVISIONS OF 8/18/94, PGS ~~18~~, ~~18A~~, 19, 20, 21, 21A, 22, 54, 55, ~~55A~~, 56, 57 & 59

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

Signature

Commander
Title

19 August 1994
Date

Training Air Wing SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

29 Aug 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL 2
NAS Pensacola UIC 00204
Station Revision 8/10/94 Pgs ~~14~~,~~24~~,~~17a~~,~~18~~,~~20~~,~~20a~~,42a,42b,42c,42d,54a,~~55a~~,~~57~~,~~59~~,59a,64,73,74

AMENDMENT TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

Signature

Commander
Title

11 Aug 94
Date

Training Air Wing SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

29 Aug 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

9/23/94
Date

NAVAL AIR STATION PENSACOLA
Activity

Pages:
17 R (9/23/94)
17-a R (9/23/94)
18 R (9/23/94)
18-a R (9/23/94)
55-a R (9/23/94)

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

19 AUG 94
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
18 R (8/18/94)
18-a R (8/18/94)
19 R (8/18/94)
20 R (8/18/94)
21 R (8/18/94)
21-a R (8/18/94)
22 R (8/18/94)
54 R (8/18/94)
55 R (8/18/94)
55-a R (8/18/94)
56 R (8/18/94)
57 R (8/18/94)
59 R (8/18/94)

AMENDMENT TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

11 AUG 94
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:

1-a R (8/10/94)	42-d R (8/10/94)
2-a R (8/10/94)	54-a R (8/10/94)
17-a R (8/10/94)	55-a R (8/10/94)
18 R (8/10/94)	57 R (8/10/94)
20 R1 (8/10/94)	59-a R (810/94)
20-a R (8/10/94)	64 R (8/10/94)
42-a R(8/10/94)	73 R (8/10/94)
42-b R (8/10/94)	74 R (8/10/94)
42-c R (8/10/94)	

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 10 and 11)

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

MAJOR CLAIMANT LEVEL

J. D. ANDERSON
NAME

J. D. Anderson
Signature

Acting
Title

9/27/94
Date

CNET
Activity

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

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

P.W. DRENNON
NAME

Signature

Acting
Title

12 OCT 1994
Date

BRAC-95 DATA CALL 2
NAS PENSACOLA UIC 00204
REV 8/19/94 PGS 10&11

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, USN
NAME (Please type or print)

Signature

Commander
Title

8/22/94
Date

Training Air Wing SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

13 SEP 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

REVISION TO BRAC-95 DATA CALL 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

19 AUG 1994
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
10 R (8/19/94)
11 R (8/19/94)

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 5-9, 9-a, 11-13, 13-a, 14-16, and 16-a)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

T W Wright
Signature

CNET
Title

4 Nov 94
Date

CNET
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

W A Earner
Signature

Title

11/7/94
Date

BRAC 95 DATA CALL 2
NAS PENSACOLA UIC 00204
CNATRA REV OF 10/26/94 PGS 5R, 6R, 11R, 13R, 13aR, 8, 9, 12, 14, 15, 16, 7

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

WBHayden
Signature

CHIEF OF NAVAL AIR TRAINING
Title

27 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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 DATA CALL 2
NAS PENSACOLA UIC 00204
STATION REV OF 10/13/94 PGS 9a, 11R, 16aR

BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

10/14/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

27 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

R. P. OWEN, CDR, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER, ACTING
Title

10-13-94
Date

NAVAL AIR STATION PENSACOLA
Activity

Pages:
9-a R (10/13/94)
11 R (10/13/94)
16-a R (10/13/94)

Command: **NAS Pensacola**

Data Call Number Two Revisions
(Pages 1, 1-a, 2, 2-a, 17, 17-a, 18, 18-a, 54, 54-a, 55, 55-a, 55-b and A-4)

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

MAJOR CLAIMANT LEVEL

T.W. WRIGHT	TW Wright
NAME	Signature
CNET	11-14-94
Title	Date
CNET	
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	WA Earner
NAME	Signature
	11/21/94
Title	Date

BRAC 95 DATA CALL 2
NAS PENSACOLA UIC 00204
CNATRA REV OF 11/1/94 OF A-4

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

WBHayden
Signature

CHIEF OF NAVAL AIR TRAINING
Title

1 NOV 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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 DATA CALL 2
NAS PENSACOLA UIC 00204
STATION REV 10/19/94 PGS 1, 1a, 2, 2a, 17, 17a, 18, 18a, 54, 54a, 55, 55a, 55b

BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

MICHAEL C. VOGT, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

10/21/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

1 Nov 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 2 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

10/20/94
Date

NAVAL AIR STATION PENSACOLA
Activity

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CLOSE HOLD

NAS PENSACOLA

JOINT CROSS-SERVICE

CATEGORY:

UNDERGRADUATE PILOT TRAINING

DATA CALL 19

CAPACITY ANALYSIS:
DATA CALL WORK SHEETS

28 April, 1994

The information contained herein is sensitive. Deputy SECDEF guidance restricts the release of data or analysis pertaining to evaluation of military bases for closure or realignment until the SECDEF forwards recommendations to the Base Closure Commission. All individuals handling this information should take steps to protect the material herein from disclosure.

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

CLOSE HOLD

Data For Capacity Analysis

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PILOT/NFO/NAVIGATOR TRAINING INSTALLATION LISTING:

Title	Location
COLUMBUS	COLUMBUS MS
CORPUS CHRISTI	CORPUS CHRISTI TX
FT RUCKER	FT RUCKER AL
KINGSVILLE	KINGSVILLE TX
LAUGHLIN	DEL RIO TX
MERIDIAN	MERIDIAN MS
PENSACOLA	PENSACOLA FL
RANDOLPH *	UNIVERSAL CITY TX
REESE	LUBBOCK TX
SHEPPARD	WITCHITA FALLS TX
VANCE	ENID OK
WHITING FIELD	MILTON FL

*** Includes Enhanced Flight Screening sites at Hondo TX and Air Force Academy CO**

Mission Requirements

A. Undergraduate Flight Training (UFT) Throughput/Graduates

1. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan, and projected retention rates, give the projected yearly Pilot Training Rate (PTR)/Program Guidance Letter (PGL) requirements by installation for each of the next seven years.

Airfield: NAS PENSACOLA FL

Type of Pilot Training by Syllabus		Output Requirements , Attrition Factors, and Average Daily Student Load (ADSL) (include attrition factors used to establish entries to achieve output) (Output/Attrition Factor(%)/ADSL) By Fiscal Year							
		1994	1995	1996	1997	1998	1999	2000	2001
Advanced E2/C2 *	USN	43/9%/21	43/9%/21	43/9%/21	53/9%/26	53/9%/26	53/9%/26	53/9%/26	53/9%/26

*** All calculations were based on attrition remaining constant and projected output for 2000 & 2001**

Mission requirements (cont.)

A. Undergraduate Flight Training (UFT) Throughput/Graduates (cont.)

2. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan and projected retention rates, give the projected yearly NFO Training Rate (NFOTR)/Program Guidance Letter (PGL) Navigator Training requirements by installation for each of the next seven years. Provide any additional sources of NFO/Nav trainees.

Airfield: NAS PENSACOLA FL

Type of Navigator Training By Syllabus (EXAMPLES)		Output Requirements, Attrition Factors, and Average Daily Student Load (ADSL) (include attrition factors used to establish entries to achieve output) (Output/Attrition Factor/ADSL) By Fiscal Year							
		1994	1995	1996	1997	1998	1999	2000	2001
Tactical Navigator (TN/BN)	USN	48/5%/21	38/5%/17	38/5%/17	38/5%/17	38/5%/17	38/5%/17	38/5%/17	38/5%/17
	USMC	14/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6
NOTE 1 →	~~IMT~~ FMS*	N/A	74/0/32	74/0/32	74/0/32	74/0/32	74/0/32	74/0/32	74/0/32
Radar Intercept Officer (RIO) NOTE 1 →	USN	29/11%/15	39/11%/20	39/11%/20	50/11%/26	50/11%/26	50/11%/26	50/11%/26	50/11%/26
	FMS*	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40	~~40/0/40~~ Ø	Ø
Overwater Jet Navigator (OJN)	USN	37/10%/16	37/10%/16	37/10%/16	52/10%/22	52/10%/22	52/10%/22	52/10%/22	52/10%/22
Airborne Tactical Data Systems (ATDS)	USN	35/7%/21	35/7%/21	35/7%/21	~~39~~/7%/21 39	39/7%/21	39/7%/21	39/7%/21	39/7%/21
	USCG	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2
WSO	USMC	17/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7
NOTE 1 →	USAF*	N/A	30/0/13	30/0/13	30/0/13	30/0/13	30/0/13	30/0/13	30/0/13
NOTE 1 → FMS	~~IMT~~*	N/A	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40

* NO ATTRITION ESTABLISHED FOR USAF OR ~~IMT~~. FMS

CNATRA N3 7 June 94

Note 1: Estimates only, as a result of joint training ~~initiatives~~ initiatives under study. Not approved by CNO.

CNATRA N3 7 June 94

5 R 6/7/94

Mission requirements (cont.)

A. Undergraduate Flight Training (UFT) Throughput/Graduates (cont.)

2. Using the Base Force Structure as outlined in the JCS memo dated 7 February 1994, re: 1995 Base Realignments and Closures Force Structure Plan and projected retention rates, give the projected yearly NFO Training Rate (NFOTR)/Program Guidance Letter (PGL) Navigator Training requirements by installation for each of the next seven years. Provide any additional sources of NFO/Nav trainees.

Airfield: NAS PENSACOLA FL

Type of Navigator Training By Syllabus (EXAMPLES)		Output Requirements, Attrition Factors, and Average Daily Student Load (ADSL) (include attrition factors used to establish entries to achieve output) (Output/Attrition Factor/ADSL) By Fiscal Year							
		1994	1995	1996	1997	1998	1999	2000	2001
Tactical Navigator (TN/BN)	USN	48/5%/21	38/5%/17	38/5%/17	38/5%/17	38/5%/17	38/5%/17	38/5%/17	38/5%/17
	USMC	14/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6	12/5%/6
	IMT	N/A	74/0/32	74/0/32	74/0/32	74/0/32	74/0/32	74/0/32	74/0/32
Radar Intercept Officer (RIO)	USN	29/11%/15	39/11%/20	39/11%/20	50/11%/26	50/11%/26	50/11%/26	50/11%/26	50/11%/26
Overwater Jet Navigator (OJN)	USN	37/10%/16	37/10%/16	37/10%/16	52/10%/22	52/10%/22	52/10%/22	52/10%/22	52/10%/22
Airborne Tactical Data Systems (ATDS)	USN	35/7%/21	35/7%/21	35/7%/21	~~39~~/7%/21 39	39/7%/21	39/7%/21	39/7%/21	39/7%/21
	USCG	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2	2/0/2
WSO	USMC	17/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7	18/11%/7
	USAF*	N/A	30/0/13	30/0/13	30/0/13	30/0/13	30/0/13	30/0/13	30/0/13
	IMT*	N/A	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40	40/0/40

Heard CNET 11 May

*** NO ATTRITION ESTABLISHED FOR USAF OR IMT.**

Mission requirements (cont.)

A. Undergraduate Flight Training (UFT) Throughput/Graduates (cont.)

3. Provide the historical attrition data for undergraduate pilot training by syllabus for FY 91-93:

Type of Pilot Training by Syllabus		Historical Attrition By Fiscal Year		
		1991	1992	1993
ADV E2/C2	USN	~~12%~~ 16.4%	~~12%~~ 4.3%	~~9%~~ 8.1%

CNATRA N3

4. Provide the historical attrition data for undergraduate Navigator training by syllabus for FY 91-93:

Type of Navigator Training By Syllabus		Historical Attrition By Fiscal Year		
		1991	1992	1993
Primary	*	~~5%~~ 5.3%	~~5%~~ 7.4%	~~5%~~ 6.8%
Intermediate	*	~~7%~~ 6.6%	7%	~~7%~~ 7.9%
Advanced TN/BN	*	~~5%~~ 4.4%	~~5%~~ 4.7%	~~5%~~ 9.8%
Advanced RIO	*	11%	~~11%~~ 8.0%	~~11%~~ 6.9%
Advanced OJN	*	~~10%~~ 6.7%	~~10%~~ 8.6%	~~10%~~ 13.3%

CNATRA N3

*** Numbers are same for all services, i.e., USN, USMC. Based upon guidance from CNATRA N32**

Mission Requirements (cont.)

A. Undergraduate Flight Training (UFT) Throughput/Graduates (cont.)

5. Indicate in the table below the types of undergraduate pilot and NFO training currently conducted at your installation. Also give the number of pilots and NFOs trained in FY 1991, FY 1992, and FY 1993 at your installation.

Syllabus of Training	Level of Training	Service	Graduates FY 91	FY 92	FY 93
General NFO	PRI	USN	432	459	300
		USMC	51	44	44
		FMS	11	7	1
		NOA	2	0	0
		USC	1	0	0
General NFO	Intermediate	USN	294	288	179
		USMC	48	40	42
TN/BN	Advanced	USN	95	91	54
		USMC	34	20	20
RIO	Advanced	USN	63	63	50
		USMC	8	17	17
OJN	Advanced	USN	56	64	26
E2/C2 Pilot	Advanced	USN	44	79	34

6. List all other officer training (i.e., non-undergraduate pilot/NFO/Navigator training) by activity conducted at your installation. For each type training, give the actual figure for FY 1993 throughput in terms of the number of students that year, and give the projected figures for FY 94-01. Also give the average daily student load (ADSL) for each activity.

Other Officer Training (Graduates)										
Activity	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	ADSL for FY 1993
NORU	215	240							240	28.8
NAMI FLT Surgeon	108	108	108	108	108	108	108	108	108	48

Mission Requirements (cont.)

A. Undergraduate Flight Training (UFT) Throughput/Graduates (cont.)

Other Officer Training (Graduates)										
Activity **NASC**	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	ADSL for FY 1993
OA	1942	2358	2458	2458	2458	2458	2458	2458	2458	109
IS	344	409	409	409	409	409	409	409	409	67
SP	493	841	841	841	841	841	841	841	841	45
FO	2454	2773	2832	2832	2832	2832	2832	2832	2832	15
PD	518	500	500	500	500	500	500	500	500	10

Other Officer Training (Graduates)										
Activity	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	ADSL for FY 1993
VT-4	4	10	6	5	5	5	5	5	5	2
VT-10	48	15	15	15	15	15	15	15	15	19
VT-86	15	6	6	6	6	6	6	6	6	5.5

Use the following formula to calculate ADSL:

$$\frac{\text{Activity Throughput X Average Number of days each student was aboard}}{\text{Number of Training Days}}$$

7. List all enlisted training conducted at your installation. For each type training, give the actual figure for FY 1993 throughput in terms of the number of students that year, and the projected figures for FY 94-01. Also give the average daily student load (ADSL) for each activity.

Enlisted Training (Graduates)										
Activity	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	ADSL for FY 1993
NORU	1,598	2,000							1,700	220
NAMI HM-8406	131	140	140	140	140	140	140	140	140	48
NAMI HM-8409	35	30	30	30	30	30	30	30	30	14

Mission Requirements (cont.)

A. Undergraduate Flight Training (UFT) Throughput/Graduates (cont.)

Enlisted Training (Graduates)										
Activity **NASC**	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	ADSL for FY 1993
IS	845	1631	1437	1437	1437	1437	1437	1437	1437	145
SP	188	872	687	687	687	687	687	687	687	27
FE	961	1360	1360	1360	1360	1360	1360	1360	1360	6
PD	929	1036	1255	1255	1255	1255	1255	1255	1255	19

Use the following formula to calculate ADSL:

$$\frac{\textbf{Activity Throughput X Average Number of days each student was aboard}}{\textbf{Number of Training Days}}$$

Mission Requirements (cont.)

B. Flight Training

1. For each syllabus of undergraduate pilot and/or NFO/Navigator flight training and aircraft type required for that training, give the number of required sorties per graduate, flight time in the airspace/sortie, the dimensions, and the total number of flight hours required for each type of airspace listed that is used for training in that particular syllabus[Total flight hours = # Sorties x (Flight time per sortie)]. Also include additional types of airspace that could accommodate this training.

Note: For helicopter training, airspace dimensions are given as available airspace.

*** Student spends a portion of each sortie in each airspace designated, totals are number of sorties/time for each phase.**

Stage of Training: BASIC INSTRUMENTS **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA	3	.5	6000'		475	1.5
PAT						
AW	3	~~3~~ 1.0				~~9~~ 3.0
ATCAA	~~3~~	~~7~~				~~21~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					4.5

Mission Requirements (cont.)

B. Flight Training

1. For each syllabus of undergraduate pilot and/or NFO/Navigator flight training and aircraft type required for that training, give the number of required sorties per graduate, flight time in the airspace/sortie, the dimensions, and the total number of flight hours required for each type of airspace listed that is used for training in that particular syllabus[Total flight hours = # Sorties x (Flight time per sortie)]. Also include additional types of airspace that could accommodate this training.

Note: For helicopter training, airspace dimensions are given as available airspace.

*** Student spends a portion of each sortie in each airspace designated, totals are number of sorties/time for each phase.**

Stage of Training: BASIC INSTRUMENTS Type Aircraft: T-2C VT-4 ADVANCED E2/C2

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA	3	.5	6000'		475	1.5
PAT						
AW	3	.3				.9
ATCAA	3	.7				2.1
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					4.5

R

Stage of Training: RADIO INSTRUMENTS **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	~~2~~ 1.7				~~12~~ 6.8
ATCAA	~~4~~	~~1.4~~				~~5.6~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					6.8

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Stage of Training: FAM **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA	15	.67	6000'		457	10.0
PAT	16	.61				9.7
AW	15	.2				3.0
ATCAA						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT *	16					22.7

Stage of Training: RADIO INSTRUMENTS Type Aircraft: T-2C **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	.3				1.2
ATCAA	4	1.4				5.6
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					6.8

Stage of Training: FAM Type Aircraft: T-2C **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA	15	.67	6000'		457	10.0
PAT	16	61				9.7
AW	15	.2				3.0
ATCAA						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT *	16					22.7

Stage of Training: FORM **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA	15	.9	6000		475	13.5
PAT	15	.3				4.5
AW	15	.2				3.0
ATCAA						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	15					21.0

Stage of Training: AIRWAYS NAVIGATION/ ADVANCED RADIO INSTRUMENTS **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT						
AW	8	~~.375~~ 2.05				3.0
ATCAA	~~8~~	~~1.675~~				~~13.4~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	8					16.4

2/ LAPLA N3 10-26-94

Stage of Training: FORM **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA	15	.9	6000		475	13.5
PAT	15	.3				4.5
AW	15	.2				3.0
ATCAA						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	15					21.0

Stage of Training: AIRWAYS NAVIGATION/ ADVANCED RADIO INSTRUMENTS **Type Aircraft: T-2C** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	8	.375				3.0
ATCAA	8	1.675				13.4
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	8					16.4

Stage of Training: OUT OF CONTROL FLIGHT **Type Aircraft: T-2** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	1	.1				.1
AW	1	.2				.2
ATCAA						
OWA						
OWAW						
WA	1	.8				.8
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	1					1.1

Stage of Training: NIGHT FAM **Type Aircraft: T-2** **VT-4 ADVANCED E2/C2**

2/ NATOLA N3 10-26-94

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	4	.525				2.1
AW	2	~~.4~~ 1.0				~~.8~~ 2.0
ATCAA	~~2~~	~~.8~~				~~1.2~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					4.1

Stage of Training: OUT OF CONTROL FLIGHT **Type Aircraft: T-2** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT	1	.1				.1
AW	1	.2				.2
ATCAA						
OWA						
OWAW						
WA	1	.8				.8
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	1					1.1

Stage of Training: NIGHT FAM **Type Aircraft: T-2** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT	4	.525				2.1
AW	2	.4				.8
ATCAA	2	.6				1.2
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					4.1

Stage of Training: CARRIER QUALIFICATION **Type Aircraft: T-2** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	10	.4				4.0
AW	8	.1				.8
ATCAA						
OWA						
OWAW						
WA	2	2.7				5.4
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	12					10.2

Stage of Training: PRIMARY FAM **Type Aircraft: T-34** **VT-10 PRIMARY/INTERMEDIATE NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	7	0.5	~~12~~ N/A		~~75~~ N/A	3.5
AW						
ATCAA						
OWA						
OWAW						
WA						
AA	8	1.0/1.5	~~10.0~~ 10000'		875	~~11.5~~ 11.0
RA						
RR						
MTR						
TOTAL/STUDENT*	8					~~15~~ 14.5

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CNATRA N3
10-26-94

Stage of Training: CARRIER QUALIFICATION **Type Aircraft: T-2** **VT-4 ADVANCED E2/C2**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	10	.4				4.0
AW	8	.1				.8
ATCAA						
OWA						
OWAW						
WA	2	2.7				5.4
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	12					10.2

Stage of Training: PRIMARY FAM **Type Aircraft: T-34** **VT-10 PRIMARY/INTERMEDIATE NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	7	0.5	1.2		.75	3.5
AW						
ATCAA						
OWA						
OWAW						
WA						
AA	8	1.0/1.5	10.0		875	11.5
RA						
RR						
MTR						
TOTAL/STUDENT*	8					15

R

: of Training: PRIMARY NAV Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	2.0	~~AS~~ ASGND			8.0
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT	4					8.0

age of Training: PRIMARY ~~INAV~~ NAV/INAV Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA	2	~~1.5~~ 2.0	~~13.5~~ 4000'		~~3150~~ 10X10	~~3.0~~ 4.0
PAT						
AW						
~~ATCAA~~ * AW	~~4~~ 2	~~05/20~~ ~~4.25~~ 2.0	AS ASGND	~~AS ASGND~~ N/A	~~AS ASGND~~ N/A	~~5.0~~ 4.0
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					8

~~* Actually general use airspace.~~ 2 CNATRA N3

2 CNATRA N3 10-22-94

Stage of Training: PRIMARY NAV **Type Aircraft: T-34** **VT-10 PRIMARY/INTERMEDIATE NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	2.0	As ASGND			8.0
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT	4					8.0

Stage of Training: PRIMARY INAV **Type Aircraft: T-34** **VT-10 PRIMARY/INTERMEDIATE NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA	2	1.5	13.5		3150	3.0
PAT						
AW						
ATCAA *	4	~~05/20~~ 1.25	AS ASGND	AS ASGND	AS ASGND	5.0
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					8

~ CHANGED NS

* Actually general use airspace. ~ CHANGED NS

Stage of Training: INTERMEDIATE ANAV Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	12	2.0	AS ASGND			24
ATCAA ~~*~~	~~12~~	~~2.0~~	AS ASGND ~~BY~~ ATC	AS ASGND ~~BY~~ ATC	AS ASGND ~~BY~~ ATC	~~24~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*						

Stage of Training: INTERMEDIATE FORM Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
~~ATCAA ~~*~~~~ GEN	2	0.5	AS ASGND	AS ~~ASGND~~	AS ~~ASGND~~	1.0
OWA						
OWAW						
WA						
AA	2	1.5	~~6.5~~ 2000'		15 x 15	3.0
RA						
RR						
MTR						
TOTAL/STUDENT*	2					4.0

~~* ACTUALLY GENERAL USE AIRSPACE~~

Stage of Training: INTERMEDIATE ANAV Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	12	2.0	AS ASGND BY ATC	AS ASGND BY ATC	AS ASGND BY ATC	24
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*						

Stage of Training: INTERMEDIATE FORM Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	2	0.5	AS ASGND	AS ASGND	AS ASGND	1.0
OWA						
OWAW						
WA						
AA	2	1.5	6.5			3.0
RA						
RR						
MTR						
TOTAL/STUDENT*	2					4.0

* ACTUALLY GENERAL USE AIRSPACE.

Stage of Training: INTERMEDIATE VNAV Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
~~ATCAA *~~ GEN	4	2.0	~~2.5~~ 1000'			8.0
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					8.0

NATRA N3 10-26-94

Stage of Training: INTERMEDIATE VNAV Type Aircraft: T-39 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	.6	AS ASGND			1.8
~~ATCAA *~~	~~4~~	~~.825~~	~~AS ASGND~~	~~AS ASGND~~	~~AS ASGND~~	~~3.3~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	~~4~~ 3	0.5	~~1.5~~ 1000'			~~2.4~~ ~~2.~~ 1.5
TOTAL/STUDENT*	~~4~~ 3					~~5.7~~ ~~5.~~ 3.3

NATRA N3 10-26-94

~~* ACTUALLY GENERAL USE AIRSPACE~~.

CNATRA N3

2 students per sortie.

Note: At end of intermediate, one sortie, 2.4 in length, using .5 MTR and 1.9 AW is flown. This flight is flown with one student.

NATRA N3 10-26-94

Stage of Training: INTERMEDIATE VNAV Type Aircraft: T-34 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	2.0	2.5			8.0
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					8.0

Stage of Training: INTERMEDIATE VNAV Type Aircraft: T-39 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	.825	AS ASGND	AS ASGND	AS ASGND	3.3
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	0.5	1.5			~~2.4~~ 2.0
TOTAL/STUDENT*	4					~~5.7~~ 5.3

* ACTUALLY GENERAL USE AIRSPACE.

CNATRA N3

Stage of Training: INTERMEDIATE ANAV Type Aircraft: T-39 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	1.9	AS ASGND			7.6
~~ATCAA *~~	~~4~~	~~1.9~~	~~AS ASGND BY ATC~~	~~AS ASGND BY ATC~~	~~AS ASGND BY ATC~~	~~7.6~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					7.6

1 STUDENT PER SORTIE.

2 CNATRA N3 10-26-94

Stage of Training: OJN ON Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	1.1	AS ASGND	PAT/AW		3.3
ATCAA *	~~3~~	~~.7~~		~~PAT/AW~~		~~2.1~~
OWA	~~3~~	~~1.0~~		~~WA,RA~~	~~664~~	~~3.0~~
OWAW						
WA	3	.6	5000'		30X30	1.8
AA						
RA						
RR						
MTR	3	.9	1000'			2.7
TOTAL/STUDENT*	3					7.8

~~* ACTUALLY GENERAL USE AIRSPACE.~~
Sorties flown with two students.

2 CNATRA N3 0-26-94

Stage of Training: INTERMEDIATE ANAV Type Aircraft: T-39 VT-10 PRIMARY/INTERMEDIATE NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	1.9	AS ASGND BY ATC	AS ASGND BY ATC	AS ASGND BY ATC	7.6
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					7.6

Stage of Training: OJN ON Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	3	.7		PAT/AW		2.1
OWA	3	1.0		WA,RA	664	3.0
OWAW						
WA						
AA						
RA						
RR						
MTR	3	.9				2.7
TOTAL/STUDENT*	3					7.8

* ACTUALLY GENERAL USE AIRSPACE.

2
CNATRA N3

R

Stage of Training: OJN AIR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	2.5	~~FL410~~ AS ASCND	~~ATCAA~~ ~~AW~~		7.5
ATCAA ~~*~~						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT	3					7.5

Sorties flown with one student

CNATRA N3 10-26-94

Stage of Training: OJN LOW LEVEL **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	.4	.4	AS ASCND	PAT		1.6
ATCAA ~~*~~	~~1~~	~~1~~	~~PAT~~			~~1.6~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.6	1000'	~~N/A~~		2.4
TOTAL/STUDENT*	4					4.0

* ACTUALLY GENERAL USE AIRSPACE.
Sorties flown with two students.

CNATRA N3

CNATRA N3 10-26-94

Stage of Training: OJN AIR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	2.5	FL410	ATCAA/ AW		7.5
ATCAA *						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT	3					7.5

Stage of Training: OJN LOW LEVEL **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	.4	PAT			1.6
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.6		N/A		2.4
TOTAL/STUDENT*	4					4.0

* ACTUALLY GENERAL USE AIRSPACE.

CNATRA N3

Stage of Training: OJN SURFACE SEARCH Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	.4	AS ASGND			1.2
ATCAA ~~*~~	~~3~~	~~.4~~				~~1.2~~
OWA						
OWAW						
WA	3	1.8	~~SK~~ 5000'	~~AA/RA/~~ ~~ONA~~ OWA	~~690~~ 60X60	5.4
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					6.6

2/ ATRA NS 10-26-94

Sorties flown with two students

Stage of Training: OJN RADAR NAV Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	.4	AS ASGND	PAT		1.6
ATCAA ~~*~~	~~4~~	~~.4~~		~~PAT~~		~~1.6~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.7	~~10K~~ AS ASGND	~~ATCAA~~		2.8
TOTAL/STUDENT*	4					4.4

~~* ACTUALLY GENERAL USE AIRSPACE.~~

Sorties flown with two students

CMATRA NS

Stage of Training: OJN SURFACE SEARCH Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	3	.4				1.2
OWA						
OWAW						
WA	3	1.8	5K	AA/RA/ ONA	690	5.4
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					6.6

Stage of Training: OJN RADAR NAV Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	.4		PAT		1.6
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.7	10k	ATCAA		2.8
TOTAL/STUDENT*	4					4.4

* ACTUALLY GENERAL USE AIRSPACE.

CMATRA N3

Stage of Training: TN TACT NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	~~.9~~ 1.6	~~FL310~~ AS ASGND	~~ATCAA~~ PAT		~~2.7~~ 4.8
ATCAA *	~~2~~	~~2~~		~~PAT/AW~~		~~2.1~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	.9	3000		~~1500~~	2.7
TOTAL/STUDENT*	3					7.5

2 CNATRA N3 10-26-94

Sorties flown with TWO students.

Stage of Training: TN MOUNTAIN **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	3	.4	AS ASGND	~~ATCAA~~/AW		1.2
AW	3	1.0	~~FL310~~ AS ASGND	~~ATCAA~~		3.0
ATCAA *						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	.9	~~11K~~ AS ASGND	~~N/A~~		2.7
TOTAL/STUDENT*	3					6.9

2 CNATRA N3 10-26-94

~~* ACTUALLY GENERAL USE AIRSPACE.~~

Sorties flown with TWO students.

Stage of Training: TN TACT NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	.9	FL310	ATCAA		2.7
ATCAA *	3	.7		PAT/AW		2.1
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	.9	3000		1500	2.7
TOTAL/STUDENT*	3					7.5

Stage of Training: TN MOUNTAIN **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	3	.4		ATCAA/AW		1.2
AW	3	1.0	FL310	ATCAA		3.0
ATCAA *						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	.9	11k	N/A		2.7
TOTAL/STUDENT*	3					6.9

* ACTUALLY GENERAL USE AIRSPACE.

CNATRA N3

R

Stage of Training: TN AIR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	2.5	AS ASGND			7.5
ATCAA	~~3~~	~~2.5~~	~~FL410~~	~~ATCAA/AN~~	~~INDEF~~	~~7.5~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT	3					7.5

Sorties flown with one student.

CNATRA N3 0-26-94

Stage of Training: TN LOW LEVEL **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	.4	AS ASGND	PAT		1.6
ATCAA	~~4~~	~~.4~~		~~PAT~~		~~1.6~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.6	1000'			2.4
TOTAL/STUDENT*	4					4.0

~~* ACTUALLY GENERAL USE AIRSPACE.~~

Sorties flown with 2 students.

CNATRA N3 0-26-94

Stage of Training: TN AIR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	3	2.5	FL410	ATCAA/AN	INDEF	7.5
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT	3					7.5

Stage of Training: TN LOW LEVEL **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	.4		PAT		1.6
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.6				2.4
TOTAL/STUDENT*	4					4.0

* ACTUALLY GENERAL USE AIRSPACE.

2
CNATRA N3

R

Stage of Training: TN RADAR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	.4	AS ASGND	PAT		1.6
ATCAA *	~~4~~	~~.4~~		~~PAT~~		~~1.6~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.7	~~10K~~ AS ASGND	~~ATCAA~~		2.8
TOTAL/STUDENT*	4					4.4

2 CNATRA N3 10-26-94

Sorties flown with 2 students.

Stage of Training: TACT CREW COORD FAM **Type Aircraft: T-2** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	3	.4	1200'			1.2
AW	3	.8	~~FL330~~ AS ASGND	~~ATCAA~~		2.4
ATCAA *						
OWA						
OWAW						
WA	3	~~.4~~ .43	10000'	MOA	30x30	~~1.3~~ ~~1.7~~ 1.3
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					~~1.9~~ ~~4.8~~ 4.9

2 CNATRA N3 10-26-94

~~* ACTUALLY GENERAL USE AIRSPACE.~~
ALL NFO ADVANCED students fly this stage.
I.E., ALL OJN, TN, RIO & WSO go through this stage.

2
CNATRA N3

Stage of Training: TN RADAR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	.4		PAT		1.6
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	4	.7	10k	ATCAA		2.8
TOTAL/STUDENT*	4					4.4

Stage of Training: TACT CREW COORD FAM **Type Aircraft: T-2** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	3	.4	1200'			1.2
AW	3	.8	FL350	ATCAA		2.4
ATCAA *						
OWA						
OWAW						
WA	3	.4				~~1.3~~ 1.2
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					4.9 4.5

* ACTUALLY GENERAL USE AIRSPACE.

2
CNATRA N3

R

Stage of Training: TACTICAL CREW COORD ATM **Type Aircraft: T-2** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	6	.4	AS AGGND	PAT		2.4
ATCAA ~~X~~						
OWA						
OWAW						
WA	6	.9	~~FL300~~ 18000	MOA	~~664~~ 30x30	5.4
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	6					7.8

2 NATRA N3 10-26-94

ALL NFO ADVANCED students (OJN, TN, RIO, WSO) fly this stage.

Stage of Training: TACT CREW COORD TACT LOW LEVEL **Type Aircraft: T-2** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	3	.4	1200'	~~ATCAA~~		1.2
AW						
ATCAA ~~X~~						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	1.0	1000'			3.0
TOTAL/STUDENT*	3					4.2

2 NATRA N3 10-26-94

~~* ACTUALLY GENERAL USE AIRSPACE~~

ALL NFO ADVANCED STUDENTS (OJN, TN, RIO, WSO) fly this stage.

2 NATRA N3

Stage of Training: TACTICAL CREW COORD ATM Type Aircraft: T-2 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	6	.4		PAT		2.4
ATCAA *						
OWA						
OWAW						
WA	6	.9	FL300	MOA	664	5.4
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	6					7.8

Stage of Training: TACT CREW COORD TACT LOW LEVEL Type Aircraft: T-2 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT	3	.4		ATCAA		1.2
AW						
ATCAA *						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	1.0				3.0
TOTAL/STUDENT*	3					4.2

* ACTUALLY GENERAL USE AIRSPACE

2
ENTERA N3

Stage of Training: RIO INTERCEPTS **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA						
OWA						
OWAW						
WA	17	2.0	FL300	MOA	400	~~12.5~~ 34.0
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	17					~~12.5~~ 34.0

2 CNATRA N3 10-26-94

Heard CNETN4 to 11 May

Stage of Training: RIO AIR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	2.5	~~FL310~~ AS ASSIGND	~~ATCAA~~		10.0
ATCAA						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					10.0

2 CNATRA N3 0-26-94

~~* ACTUALLY GENERAL USE AIRSPACE~~

Sorties flown with one student.

2 CNATRA N3

Stage of Training: RIO INTERCEPTS **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *						
OWA						
OWAW						
WA	17	2.0	FL300	MOA	400	~~42.5~~ 34.0
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	17					~~42.5~~ 34.0

Heard CNET N-4433 to ~~A~~ illegy

Stage of Training: RIO AIR NAV **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	4	2.5	FL410	ATCAA		10.0
ATCAA *						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					10.0

* ACTUALLY GENERAL USE AIRSPACE

2
CNATRA N3

Stage of Training: RIO APPROACH HOP **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	1	2.5	AS ASGND	PAT		2.5
ATCAA ~~X~~	~~1~~	~~2.5~~		~~PAT~~		~~2.5~~
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	1					2.5

Sorties flown with 1 student

Stage of Training: RIO PURSUIT/INTERCEPT **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	5	.26	AS ASGND	PAT		1.3
ATCAA ~~X~~	~~5~~	~~26~~		~~PAT~~		~~1.3~~
OWA						
OWAW						
WA	5	.9	10000'	MOA	20X20	4.5
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	5					5.8

~~* ACTUALLY GENERAL USE AIRSPACE~~

Sorties flown with 2 students

Stage of Training: RIO APPROACH HOP **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	1	2.5		PAT		2.5
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	1					2.5

Stage of Training: RIO PURSUIT/INTERCEPT **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm^2)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	5	.26		PAT		1.3
OWA						
OWAW						
WA	5	.9				4.5
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	5					5.8

* ACTUALLY GENERAL USE AIRSPACE

CHAPTER N3

Stage of Training: RIO ATTACK-REATTACK INTERCEPT **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA ✱	3	.4		PAT		~~.8~~ 1.2
OWA						
OWAW						
WA	3	.86		MOA		2.6
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	3					~~3.4~~ 3.8

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Stage of Training: RIO CONVERSION INTERCEPT **Type Aircraft: T-39** **VT-86 ADVANCED NFO**

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA ✱	5	.4			PAT	2.0
OWA						
OWAW	5	.9		MOA		4.5
WA						
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	5					6.5

✱ ACTUALLY GENERAL USE AIRSPACE

CHARTA N3

Stage of Training: RIO ADVANCED INTERCEPT AND UNKNOWN Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW						
ATCAA *	4	.4		PAT		1.6
OWA						
OWAW						
WA	4	.9		MOA		3.6
AA						
RA						
RR						
MTR						
TOTAL/STUDENT*	4					5.2

Stage of Training: RIO LOW LEVEL Type Aircraft: T-39 VT-86 ADVANCED NFO

Type of Airspace	# Sorties per Graduate	Flight Time in Airspace/ Sortie	Vertical Altitude (1000 ft)	Other Types of Usable Airspace	Avg Size (nm²)	Total Flight Hours per Graduate
MOA						
PAT						
AW	3	.4		PAT		1.2
ATCAA *						
OWA						
OWAW						
WA						
AA						
RA						
RR						
MTR	3	.6		N/A		1.8
TOTAL/STUDENT*	3					~~6.0~~ 3.0

* ACTUALLY GENERAL USE AIRSPACE

CHAPTER 3

Key to types of airspace:
MOAs -- Military Operating Areas
WA -- Warning Areas
AA -- Alert Areas
RA -- Restricted Areas
ATCAA -- Air Traffic Control Assigned Airspace
OWAW -- Overwater Airways
RR -- Restricted Areas with Ranges
MTR -- Military Training Routes
AW-- Airways (e.g. corridors to and from training areas)
PAT -- Pattern (e.g. airspace above runways)
OWA -- Overwater Airspace
CLG -- Uncontrolled Airspace

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Mission Requirements (cont.)

B. Flight Training (cont.)

2. Give the total number of day and night sorties required for each undergraduate/graduate pilot and/or NFO/Navigator training syllabus and trainer aircraft (and level of training) for student training, overhead, and the total requirement.

Syllabus of Training **VT-4**	Level (Track) of Pilot Training	Trainer Aircraft	Sorties required per graduate					
			Student (syllabus)		Overhead		Total	
			Day	Night	Day	Night	Day	Night
General	Primary	T-34C						
		JPATS						
Strike E2/C2	Intermediate	T-2	59	4	5	1	64	5
		T-45						
	Advanced	TA-4J						
		T-45						
SUPT	Primary	T-37						
	BF	T-38						
	AT	T-1A						
Etc.								

3.. Indicate your training weather minimums (ceiling/visiblilty & crosswinds) by aircraft type and syllabus.

a. T-2 crosswind limits 30kts for instructor pilot, 10kts for solo students.

b. Weather mins:

(1) VMC for all student solo hops and OCF
(2) 1000/3 (VFR) for FAM, FORM.
(3) 1500/5 for CQ
(4) 5000/5 for Night FAM
(5) 200/1/2 for instruments - BI, RI, AN, AVRI

Mission Requirements (cont.)

B. Flight Training (cont.)

2. Give the total number of day and night sorties required for each undergraduate/graduate pilot and/or NFO/Navigator training syllabus and trainer aircraft (and level of training) for student training, overhead, and the total requirement.

Syllabus of Training	Level (Track) of Pilot Training	Trainer Aircraft	Sorties required per graduate					
			Student (syllabus)		Overhead		Total	
			Day	Night	Day	Night	Day	Night
General	Primary	T-34C	11	1	2.68	0	13.68	1
	Intermediate	T-34C	18	0	N/A	0	18	0
Strike	Intermediate	T-39	8	0	0.5	0	8.5	0
		T-45						
	Advanced	TA-4J						
		T-45						
SUPT	Primary	T-37						
	BF	T-38						
	AT	T-1A						

3. Indicate your training weather minimums (ceiling/visiblilty & crosswinds) by aircraft type and syllabus.

T-34 Primary and Intermediate

	WX min		Syllabus mins	
	Ceiling/VS	X wind	Ceiling/VS	X Wind
FAM	200/1/2	22	9000/3	15/22
INAV	200/1/2	22	200/1/2	22
ANAV	200/1/2	25	3000/5	25
NAV	200/1/2	22	200/1/2	22
ANAV	200/1/2	22	200/1/2	22
FORM	CIRCLING	22	4500/3	22
VNAV	200/1/2	22	3000/5	22

T-39 Intermediate

	WX min		Syllabus mins		
	Ceiling/VS	X wind		Ceiling/VS	X
ANAV	200/1/2	25	ANAV	200/1/2	25
ANAV	200/1/2	25	VNAV	3000/5	25
VNAV	200/1/2	25			

Mission Requirements (cont.)

B. Flight Training (cont.)

2. Give the total number of day and night sorties required for each undergraduate/graduate pilot and/or NFO/Navigator training syllabus and trainer aircraft (and level of training) for student training, overhead, and the total requirement.

Syllabus of Training **VT-86**	Level (Track) of NFO Training	Trainer Aircraft	Sorties required per graduate					
			Student		Overhead		Total	
			Day	Night	Day	Night	Day	Night
TN/BN	Advanced	T-2	12	N/A	17	1	29	1
		T-39	17	N/A	14	N/A	31	N/A
RIO	Advanced	T-2	12	N/A	17	N/A	29	N/A
		T-39	25	N/A	16	N/A	41	N/A
OJN	Advanced	T-2	12	N/A	17	N/A	29	N/A
		T-39	17	N/A	14	N/A	31	N/A

3. Indicate your training weather minimums (ceiling/visiblilty & crosswinds) by aircraft type and syllabus.

Advanced NFO
VR Routes - 3000ft/5nm T-2/T-39

IR Routes - No min Weather requirement T-39

MOA - 5000ft/5nm T-2
3000ft/5nm T-39

WA - 5000ft/5nm/ T-2
3000ft/5nm T-39

APP hop - OPNAV 3710 Alternate filing requirements.
SEE ATTACHED OPNAV CHART

DESTINATION WEATHER ETA plus and minus one (1) hour	ALTERNATE WEATHER ETA plus and minus one (1) hour		
0–0 up to but not including published minimums	3,000 – 3 or better		
Published minimums up to but not including 3,000 – 3 (single piloted absolute minimums 200 – 1/2)	NON-PRECISION	PRECISION	
		ILS	PAR
	*Published minimums plus 300-1	Published minimums plus 200–1/2	*Published minimums plus 200–1/2
3,000 – 3 or better	No alternate required		
*In the case of single-piloted or other aircraft with only one operable UHF/VHF transceiver, radar approach minimums may not be used as the basis for selection of an alternate airfield.			

Figure 4-1. IFR Filing Criteria

conditions must meet the weather minimum criteria shown in Figure 4-1 for filing IFR flight plans and shall be based on the pilot's best judgment as to the runway that will be in use upon arrival. IFR flight plans may be filed for destination at which the forecasted weather is below the appropriate minimums provided a suitable alternate airfield is forecast to have at least 3,000-foot ceiling and 3-statute mile visibility during the period 1 hour before ETA until 1 hour after ETA.

4.6.3.3 Alternate Airfield. An alternate airfield is required when the weather at the destination is forecast to be less than 3,000-foot ceiling and 3-statute mile visibility during the period 1 hour before ETA until 1 hour after ETA.

Note

If an alternate airfield is required, it must have a published approach compatible with installed operable aircraft navigation equipment that can be flown without the use of two-way radio communication whenever either one of the following conditions is met:

a. The destination lacks the above described approach.

b. The forecasted weather at the alternate is below 3,000-foot ceiling and 3-statute mile visibility during the period 1 hour before ETA until 1 hour after ETA.

4.6.3.4 Icing and Thunderstorm Conditions. Flights shall be planned to circumvent areas of forecast atmospheric icing and thunderstorm conditions whenever practicable.

4.6.3.5 Aviation Severe Weather Watch (WW) Bulletins. The National Weather Service issues unscheduled WWs whenever there is a high probability of severe weather. WWs are used for a designated area and a specified time period. WWs are used by the Navy and Marine Corps weather forecasters for forecasting hazardous flying conditions. The Air Force issues scheduled military weather advisories (MWA). Those graphical advisories are an estimate of the weather producing potential of the existing air masses. The advisories will be given to all pilots filing from U.S. Air Force bases and will be used for flight planning when a National Weather Service WW is unavailable. Valid WW and MWA bulletins

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Mission Requirements (cont.)

C. Flight Training Ground School

1. Provide the ground school training requirements for undergraduate/graduate Pilot and NFO/Navigator training facilities (classrooms, simulators, labs, life support facilities, etc.) by Facility Category Code Number (CCN). Include all applicable 171-*xx*, 179-*xx* CCN's and any other CCN where Undergraduate Pilot or NFO/Navigator training occurs. Ensure that the requirements for all types of simulators (cockpit (UTD), instrument (IFT), and motion-based/visual (OFT), etc.) are indicated.

Facility Category Code (CCN): 171-20

Syllabus of Training	Level of Training	Facility Type(s)	Requirement (Hrs/Grad)
General	Primary		
Strike	Intermediate		
	Advanced		
SUPT	Primary		
	Bomber/ Fighter (BF)		
	Airlift/ Tanker (AT)		
API*	Initial Skills	171-20 Applied Inst	197
		171-35 Survival Training Pier	4
		179-59 Obstacle Course	4

*** Aviation Pre-Flight Indoctrination.**

Mission Requirements (cont.)

C. Flight Training Ground School

1. Provide the ground school training requirements for undergraduate/graduate Pilot and NFO/Navigator training facilities (classrooms, simulators, labs, life support facilities, etc.) by Facility Category Code Number (CCN). Include all applicable 171-*xx*, 179-*xx* CCN's and any other CCN where Undergraduate Pilot or NFO/Navigator training occurs. Ensure that the requirements for all types of simulators (cockpit (UTD), instrument (IFT), and motion-based/visual (OFT), etc.) are indicated.

Facility Category Code (CCN): 171-20

Syllabus of Training	Level of Training	Facility Type(s)	Requirement (Hrs/Grad)
General	Primary		
Strike	Intermediate		
	Advanced		
SUPT	Primary		
	Bomber/ Fighter (BF)		
	Airlift/ Tanker (AT)		
API*	Initial Skills	Survival Class	8
		Classroom	34
		Classroom	120
		Swim Tank	8
		Gym/Pool	23
		Medical Facility	14
		Chamber	10
		Land Survival **	51

*** Aviation Pre-Flight Indoctrination.**
**** Aviation Pre-Flight Indoctrination Choctaw Field - Land Survival.**

Mission Requirements (cont.)

C. Flight Training Ground School

Facility Category Code (CCN): 171-35

Syllabus of Training	Level of Training	Facility Type(s)	Requirement (Hrs/Grad)
General	Primary	Classroom and student admin spaces	145 hrs/student
		Simulator	27.5 hrs/student/simulator
General	Intermediate	Classroom and student admin spaces	71.5 hrs/student
		Simulator	16.5 hrs/student/simulator
Advanced	RIO/TN/OJN	Classroom	144.2 RIO/ 127.2 TN/ 127.2 OJN
		Simulator	52.5 RIO/ 25.5 TN/ 27.5 OJN
Advanced	E2/C2	Classroom 113.5	~~43.0~~ hrs/student
		Simulator 52.5	~~23.8~~ hrs/student

2. List any additional constraints or limitations to the flight training ground school facilities that impact the training mission.

2
CNATRA N3

None

Mission Requirements (cont.)

D. Other Ground Training

1. By facility Category Code Number (CCN), for facilities in which student pilot or NFO/Navigator training is conducted, provide the usage requirements for **other than** student pilot or NFO/Navigator training. Include all applicable 171-*xx*, 179-*xx* CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSROOM	NACCS	LAND SURVIVAL	8	6,800	8	11,520
CLASSROOM	LSS	LAND	9	900	7	1,800
CLASSROOM	NAWSTP	BAY OPS	13	780	13	780
CLASSROOM	RSS	BAY OPS	22	4,180	22	13,860
CLASSROOM	FLEET	H20 REFR	17	9,350	17	11,220
CLASSROOM	FLEET	INT DEVC	26	1,820	26	3,640
CLASSROOM	NACCS	BAY OPS	12	10,200	12	17,280
CLASSROOM	AITC	INSTR	101	12,625	101	17,170
CLASSROOM	RITC	INSTR	30	8,700	30	10,800
CLASSROOM	NLDP	LDSHP	120	132,000	120	170,400
CLASSROOM	NAMP	AVMAINT	557	194,950	557	278,500
CLASSROOM	DCO	INDOC	77	33,880	77	60,060
CLASSROOM	LCDO/CWO	INDOC	119	60,690	119	58,310
CLASSROOM	TQL	LDSHP	40	6,800	40	6,400
CLASSROOM	NACCS	AIRCREW	29	24,650	29	41,760
CLASSROOM	OCS	INDOC	146	3,650	199	59,700
CLASSROOM	AOO	ORDNANCE	233	11,650	393	88,425
TRNG TNK	NAWSTP	DEVICES	24	1,440	24	1,440
TRNG TNK	NACCS	DEVICES	7	5,950	7	10,080
TRNG TNK	FLEET	DEVICES	36	93,600	36	95,400
TRNG TNK	FLEET	REFRESHR	11	6,050	11	7,260

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POOL	NAWSTP	SWIM	35	2,100	35	2,100
POOL	NACCS	SWIM	54	45,900	54	77,760
GYM	LDO/CWO	PT	12	6,120	12	5,880
POOL	FLEET	SWIM	18	3,060	18	2,520
GYM	OCS	PT	45	1,125	50	15,000
POOL	OCS	SWIM	12	300	17	5,100
CLASSROOM	NAMI	AVN MED	410	53,710	410	53,710
CLASSROOM	NAMI	FLT SURG	823	88,884	823	88,884
PHYSIOLOGY	NAMI	AEROSPACE PHYSIOLOGY	282	9,870	282	9,870

Mission Requirements (cont.)

D. Other Ground Training

1. By facility Category Code Number (CCN), for facilities in which student pilot or NFO/Navigator training is conducted, provide the usage requirements for **other than** student pilot or NFO/Navigator training. Include all applicable 171-*xx*, 179-*xx* CCN's. Other use made of the facilities must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	NACCS	LANDSUR	8	360	8	400
	LSS	LAND	9	63	7	63
	NAWSTP	BAYOPS	13	52	13	52
	RSS	BAYOPS	22	396	22	396
	FLEET	H20 REFR	17	268	17	268
	FLEET	INT DEVC	26	344	26	344
	NACCS	BAYOPS	12	540	12	600
	AITC	INSTR	101	1212	101	1212
	FITC	INSTR	30	360	30	360
	NLDP	LDSHP	120	2120	120	2200
	NAMP	AVMAINT	557	4247	557	4247
	DCO	INDOC	77	1771	77	1232
	LDO/CWO	INDOC	119	2856	119	2380
	TQL	LDSHP	40	272	40	288
	NACCS	AIRCREW	29	1305	29	1450
	OCS	INDOC	146	146	199	3184
	AOO	ORDNCE	233	1398	393	1405
TRNG TNK	NAWSTP	DEVICES	24	96	24	96
	NACCS	DEVICES	7	315	7	350
	FLEET	DEVICES	36	844	36	844
	FLEET	REFRSHR	11	174	11	174
POOL	NAWSTP	SWIM	35	140	35	140
POOL	NACCS	SWIM	54	2430	54	2700
GYM	LDO/CWO	PT	12	288	12	240
POOL	FLEET	SWIM	18	900	18	900
GYM/POOL	OCS	SWIM/PT	57	57	67	1072
Classroom	NAmI	AUN MED	416/131			
Classroom	NAmI	FLT SURG	823/108			
Physiology	NAmI	Aerospace Physiology	282/35			

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Mission Requirements (cont.)

D. Other Ground Training

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot or NFO/Navigator training **is not** conducted. Include all applicable 171-*xx*, 179-*xx* CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
NORU Applied Inst	CNP	Skill Trng	225	407,925	225	450,000

CCN: 179-40

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
FIRING RANGE	NACCS	PISTOL	4	3,400	4	5,760
	LDO/CWO	PISTOL	3	1,530	3	1,470
	DCO	PISTOL	5	2,200	5	3,900

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	NACCS	LECTUR	22	18,700	22	31,680
CLASSRM	RSS	LECTUR	65	12,350	65	40,950
SWIM TNK	RSS	SWIM	130	24,700	130	81,900

CCN: 171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	NAWSTP	LECTUR	78	4,680	78	4,680

CCN: 179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL FIELD	LDO/CWO	DRILL	4	2,040	4	1,960
	DCO	DRILL	6	2,640	6	4,680

CCN:171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		* FY 1994 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	59,328	412	79,104
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	80	80	80
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	10,920	312	10,920
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	520	3,120
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	240	4,320
Photo School	USN/USMC/ DOD/Allied	Video Production	680	20,400	680	20,400
Photo School	USAF/USMC	Imagery Production	N/A	0	344	8,256
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	N/A	0	592	14,208
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	N/A	0	144	4,608
Photo School	USAF/USMC/ DOD/Allied	Still Photography	N/A	0	536	57,888
Photo School	USA	Combat Documentation/ Production Phase I	N/A	0	672	96,768
Photo School	USA	Combat Documentation/ Production Phase II	N/A	0	680	16,320
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	N/A	0	296	7,400

Type of Training Facility	User	Type of Training	* FY 1997 Requirements		FY 2001 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	88,992	N/A	0
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	160	N/A	0
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	19,968	N/A	0
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	64	640	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	88	8,800	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	N/A	0
Photo School	USN/USMC/ DOD/Allied	Video Production	680	21,760	N/A	0
Photo School	USAF/USMC	Imagery Production	344	8,256	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	592	23,680	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	144	8,064	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Still Photography	536	57,888	N/A	0
Photo School	USA	Combat Documentation/ Production Phase I	672	96,768	N/A	0
Photo School	USA	Combat Documentation/ Production Phase II	680	97,920	N/A	0
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	N/A	0	N/A	0

NOTE: In addition to the FY 93 and FY 2001 information requested, data is also provided for FY 94 and FY 97. Prior to FY 94 the Photography Schools were Navy specific. However, in FY 94, the other services, under the auspices of DOD, temporarily relocated their photo schools to Pensacola. In April 97, all photo schools are scheduled to relocate to new facilities in Ft. Meade, Maryland.

Mission Requirements (cont.)

D. Other Ground Training

2. By facility Category Code Number (CCN), provide the usage requirements for facilities in which student pilot or NFO/Navigator training **is not** conducted. Include all applicable 171-*xx*, 179-*xx* CCN's. This usage must be derived either from course requirements and student throughput (for formal schools/courses of instruction) or that required to maintain readiness (for permanent/support personnel, reserves, etc.).

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
NORU Applied Inst	CNP	Skill Trng	248	449,624	248	481,120

CCN: 179-40

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
FIRING	NACCS	PISTOL	4	180	4	200
RANGE	LDO/CWO		3	72	3	60
	DCO		5	115	5	50

CCN: 171-20

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	NACCS	LECTUR	22	990	22	1100
SWIM TNK	RSS	SWIM	195	3049	195	3049

CCN: 171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
CLASSRM	NAWSTP	LECTUR	78	312	78	312

CCN: 179-60

Type of Training Facility	User	Type of Training	FY 1993 Requirements		FY 2001 Requirements	
			Hrs/Student	Hrs/Yr	Hrs/Student	Hrs/Yr
DRILL	LDO/CWO	DRILL	4	96	4	96
FIELD	DCO	DRILL	6	69	6	69

CCN:171-10

Type of Training Facility	User	Type of Training	FY 1993 Requirements		* FY 1994 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	59,328	412	79,104
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	80	80	80
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	10,920	312	10,920
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	N/A	0	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	520	3,120
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	240	4,320
Photo School	USN/USMC/ DOD/Allied	Video Production	680	20,400	680	20,400
Photo School	USAF/USMC	Imagery Production	344	0	344	8,256
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	N/A	0	592	14,208
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	N/A	0	144	4,608
Photo School	USAF/USMC/ DOD/Allied	Still Photography	N/A	0	536	57,888
Photo School	USA	Combat Documentation/ Production Phase I	N/A	0	672	96,768
Photo School	USA	Combat Documentation/ Production Phase II	N/A	0	680	16,320
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	N/A	0	296	7,400

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HEARD CNET N4433 ~~AAA~~ h May 94

Type of Training Facility	User	Type of Training	* FY 1997 Requirements		FY 2001 Requirements	
			Hrs/ Student	Hrs/Yr	Hrs/ Student	Hrs/Yr
Photo School	USN/USMC/ DOD/Allied	Photographer's Mate, Class A	412	88,992	N/A	0
Photo School	USN/USMC/ DOD/Allied	Tac Airborne Recon Pod Sys (TARPS)	80	160	N/A	0
Photo School	USN/USMC/ DOD/Allied	EH-38 Photo QC/Maint	312	19,968	N/A	0
Photo School	USN/USMC/ DOD/Allied	Visual Information Manager	64	640	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photojournalism (EIC)	88	8,800	N/A	0
Photo School	USN/USMC/ DOD/Allied	Camera Repair	520	3,120	N/A	0
Photo School	USN/USMC/ DOD/Allied	Photo Equipment Maintenance	240	4,320	N/A	0
Photo School	USN/USMC/ DOD/Allied	Video Production	680	21,760		0
Photo School	USAF/USMC	Imagery Production	344	8,256		0
Photo School	USAF/USMC/ DOD/Allied	Imagery Systems Maintenance	592	23,680		0
Photo School	USAF/USMC/ DOD/Allied	Advanced Imagery Systems Maint	144	8,064		0
Photo School	USAF/USMC/ DOD/Allied	Still Photography	536	57,888		0
Photo School	USA	Combat Documentation/ Production Phase I	672	96,768		0
Photo School	USA	Combat Documentation/ Production Phase II	680	97,920		0
Photo School	USAF/USMC/ DOD/Allied	Documentation/ ISD	N/A	0		0

*** NOTE: In addition to the FY 93 and FY 2001 information requested, data is also provided for FY 94 and FY 97. Prior to FY 94 the Photography Schools were Navy specific. However, in FY 94, the other services, under the auspices of DOD, temporarily relocated their photo schools to Pensacola. In FY 97, all photo schools are scheduled to relocate to new facilities in Ft. Meade, Maryland.**

35 (b) HEARD CNET N4433 11 May

Mission Requirements (cont.)

E. Training Airframes

1. Provide the number of aircraft (by type) that will be based at each base for use in undergraduate/graduate pilot and NFO/Navigator training programs in the Fiscal Year indicated; and the number of other aircraft **not used** for training. Project requirements if necessary.

Base: NAS PENSACOLA FL

AIRCRAFT USED FOR TRAINING

Aircraft	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
T-2	21	20 ~~22~~	20 ~~22~~	20 ~~24~~	20 ~~24~~	20 ~~24~~	20 ~~24~~	20 ~~24~~
TA-4J								
T-34C	35	35 ~~29~~	35 ~~29~~	34	34	34	34	34
T-39	17	20	20	22	22	22	22	22
T-43								
T-44								
T-45								
TH-57								
JPATS*								

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CNATRA N5/N5

AIRCRAFT NOT USED FOR TRAINING

F/A-18	11	11	11	11	11	11	11	11
C-130	1	1	1	1	1	1	1	1
C-12B	2	2	2	2	2	2	2	2
H-3H	3	3	3	3	3	3	3	3

*** Based on info from CNATRA at Commanders' Conference 29-30 March 1994, CTW-6 will not have JPATS available until October 2002.**

Mission Requirements (cont.)

E. Training Airframes (cont.)

2. Provide the following information for each training airframe used for pilot and NFO/Navigator training:

AIRCRAFT TYPE: T-2 (ADVANCED E2/C2)

FACTOR	VALUE
Utilization Rate (UTE Rate--sorties or hours per month)	444hrs.
Average Sortie Duration (ASD) (hrs)	1.4hrs
Planned Turn Time (hrs) (Time from landing to takeoff)	1.5hrs
Min Runway Length (ft)	5000ft
Preferred Runway Length (ft)	8000ft
Min Runway Length for Touch and Go (T/G) (ft)	5000ft
Runway Width (ft)	150ft
Required Taxiway Width (ft)	75ft
Weight Bearing Requirement (kips)	14 kips*
Apron Space Required (ft²/Aircraft) 8865	~~13,410~~ SF**
Hangar Space Required (ft²/Aircraft) 2110	~~1,616~~ SF***
Navigation Equipment On-Board (GPS?--when?)	TACAN/ADF

CONTRA NO REVISION 5/12/94

AIRCRAFT TYPE: T-34 (PRIM/INTER NFO)

FACTOR	VALUE
Utilization Rate (UTE Rate--sorties or hours per month)	1068hr
Average Sortie Duration (ASD) (hrs)	1.97hr
Planned Turn Time (hrs) (Time from landing to takeoff)	2.0hrs
Min Runway Length (ft)	2850ft
Preferred Runway Length (ft)	8000ft
Min Runway Length for Touch and Go (T/G) (ft)	2850ft
Runway Width (ft)	150ft
Required Taxiway Width (ft)	75ft
Weight Bearing Requirement (kips)	4.5 kips*
Apron Space Required (ft²/Aircraft)	5,130 SF**
Hangar Space Required (ft²/Aircraft) 1296	~~1,050~~ SF***
Navigation Equipment On-Board (GPS?--when?)	TACAN/VOR

CONTRA NO REVISION 5/12/94

* **Presumption is kips equals aircraft gross weight divided by 1,000.**

** **NAVFAC P-80**, TABLE 113-208 (45° PARKING FOR T-2)

*** ~~**Real world space requirements per maintenance contract.**~~

PER NAVFAC P-80, INCLUDES 5' CLEARANCE AROUND AIRCRAFT

Mission Requirements (cont.)

E. Training Airframes (cont.)

AIRCRAFT TYPE: T-39 (PRIM/INTER NFO)

FACTOR	VALUE
Utilization Rate (UTE Rate--sorties or hours per month)	273.7hrs
Average Sortie Duration (ASD) (hrs)	1.7hrs
Planned Turn Time (hrs) (Time from landing to takeoff)	2hrs
Min Runway Length (ft)	5000ft
Preferred Runway Length (ft)	8000ft
Min Runway Length for Touch and Go (T/G) (ft)	5000ft
Runway Width (ft)	150ft
Required Taxiway Width (ft)	75ft
Weight Bearing Requirement (kips)	20.5 kips*
Apron Space Required (ft²/Aircraft) 9990	~~16,020~~ SF**
Hangar Space Required (ft²/Aircraft) 2400	~~2,149~~ SF~~***~~***
Navigation Equipment On-Board (GPS?--when?)	VOR,TACAN, ILS

CNATRA N6 REVISION 12/5/94

AIRCRAFT TYPE: T-2 (ADVANCED NFO)

FACTOR	VALUE
Utilization Rate (UTE Rate--sorties or hours per month)	401hrs
Average Sortie Duration (ASD) (hrs)	1.79hrs
Planned Turn Time (hrs) (Time from landing to takeoff)	1.5hrs
Min Runway Length (ft)	6000ft
Preferred Runway Length (ft)	8000ft
Min Runway Length for Touch and Go (T/G) (ft)	6000ft
Runway Width (ft)	150ft
Required Taxiway Width (ft)	75ft
Weight Bearing Requirement (kips)	14 kips*
Apron Space Required (ft²/Aircraft) 8865	~~13,410~~ SF**
Hangar Space Required (ft²/Aircraft) 1892 ~~2110~~	~~1,616 SF~~***
Navigation Equipment On-Board (GPS?--when?)	TACAN/ADF

CNATRA N6 REVISION 5/12/94

CNATRA N61 9/9/94

* **Presumption is kips equals aircraft gross weight divided by 1,000.**

** NAVFAC P-80, TABLE 113-20B (45° PARKING)

*** ~~Real world space requirements per maintenance contract.~~ PER NAVFAC P-80, INCLUDES 5' CLEARANCE AROUND AIRCRAFT

CNATRA N6 REVISION 5/12/94

Mission Requirements (cont.)

E. Training Airframes (cont.)

AIRCRAFT TYPE: T-39 (PRIM/INTER NFO)

FACTOR	VALUE
Utilization Rate (UTE Rate--sorties or hours per month)	273.7hrs
Average Sortie Duration (ASD) (hrs)	1.7hrs
Planned Turn Time (hrs) (Time from landing to takeoff)	2hrs
Min Runway Length (ft)	5000ft
Preferred Runway Length (ft)	8000ft
Min Runway Length for Touch and Go (T/G) (ft)	5000ft
Runway Width (ft)	150ft
Required Taxiway Width (ft)	75ft
Weight Bearing Requirement (kips)	20.5 kips*
Apron Space Required (ft²/Aircraft) 9990	~~16,020~~ SF**
Hangar Space Required (ft²/Aircraft) 2400	~~2,149~~ SF~~***~~***
Navigation Equipment On-Board (GPS?--when?)	VOR,TACAN, ILS

CNATRA N6 REVISION 12/5/94

AIRCRAFT TYPE: T-2 (ADVANCED NFO)

FACTOR	VALUE
Utilization Rate (UTE Rate--sorties or hours per month)	401hrs
Average Sortie Duration (ASD) (hrs)	1.79hrs
Planned Turn Time (hrs) (Time from landing to takeoff)	1.5hrs
Min Runway Length (ft)	6000ft
Preferred Runway Length (ft)	8000ft
Min Runway Length for Touch and Go (T/G) (ft)	6000ft
Runway Width (ft)	150ft
Required Taxiway Width (ft)	75ft
Weight Bearing Requirement (kips)	14 kips*
Apron Space Required (ft²/Aircraft) 8865	~~13,410~~ SF**
Hangar Space Required (ft²/Aircraft) 2110	~~1,616 SF~~***
Navigation Equipment On-Board (GPS?--when?)	TACAN/ADF

CNATRA N6 REVISION 5/12/94

* **Presumption is kips equals aircraft gross weight divided by 1,000.**

** **NAVFAC P-80,** TABLE 113-20B (45° PARKING)

*** ~~**Real world space requirements per maintenance contract.**~~ PER NAVFAC P-80, INCLUDES 5' CLEARANCE AROUND AIRCRAFT

CNATRA N6 REVISION 5/12/94

Mission Requirements (cont.)

E. Training Airframes (cont.)

AIRCRAFT TYPE: T-39 (ADVANCED NFO)

FACTOR		VALUE
Utilization Rate (UTE Rate--sorties or hours per month)		513hrs
Average Sortie Duration (ASD) (hrs)		2.1hrs
Planned Turn Time (hrs) (Time from landing to takeoff)		2.0hrs
Min Runway Length (ft)		5000ft
Preferred Runway Length (ft)		8000ft
Min Runway Length for Touch and Go (T/G) (ft)		5000ft
Runway Width (ft)		150ft
Required Taxiway Width (ft)		75ft
Weight Bearing Requirement (kips)		20.5 kips*
Apron Space Required (ft²/Aircraft)	9990	~~16,020~~ SF**
Hangar Space Required (ft²/Aircraft)	2400	~~2,149~~ SF***
Navigation Equipment On-Board (GPS?--when?)		TACAN/VOR/ILS

CNATRA N6 REVISION 5/12/94

* **Presumption is kips equals aircraft gross weight divided by 1,000.**

** NAVFAC P-80, TABLE 113-20B (45° PARKING)

CNATRA N6 REVISION 5/12/94

*** ~~**Real world space requirements per maintenance contract.**~~ PER NAVFAC P-80, INCLUDES 5' CLEARANCE AROUND AIRCRAFT

3. List any additional constraints or limitations to the training airframes that impact the training mission.

T-39: Aircraft are contractor owned and operated by purchase of service contract N00019-90-C-0039.

T-2: Avionics package is not state of the art. ~~Request T-45 for the future.~~ CNATRA N3

Facilities

A. Airfield

1. Provide the following information for the home field and each OLF that supports undergraduate flight training. (Following 20 Questions.)

Airfield/OLF Name: **SHERMAN FIELD**
Location (Lat/Long and nearest town): **30 21 11N, 087 19 13W / PENSACOLA, FL - 7 MILES**
Syllabi and Level of Training Supported: **NFO UNDERGRAD/PRI/INT; ADV E2/C2 AND STATION C-12 TRAINING**
Ownership: **US NAVY** For OLF: Distance (nm) from home field **N/A**

2. Complete the table below to describe the airfield's **annual operations (sorties flown) by type of aircraft**. Give best estimate of the number of sorties if exact data not available. If sortie totals are derived from estimates, list assumptions.

*** Training Support Sorties include maintenance flights, instructor proficiency/checkrides, etc.**

TYPE AIRCRAFT: STATION AIRCRAFT (C-12/C-130/FA-18/H-3)

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	**SEE INDIVIDUAL TABLES (Pages 41 - 48)**		
	Graduate Training Sorties	38	72	68
	Training Support Sorties*	138	94	86
	Other Sorties	~~18,475~~ 8762	~~20,697~~ 8747	~~20,454~~ 7303
	TOTAL SORTIES: ~~AT NAS PENSACOLA~~	~~157,068~~ 8938	~~148,641~~ 8913	~~133,946~~ 7457
Non-Operational Hours	Standdowns	5	5	5
	Maintenance			
	Other Events	72	72	410

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Facilities

A. Airfield (cont)

List below the "other sorties" and "other events" included in the table above:

(OTHER SORTIES):	1991	1992	1993
C-12 NALO	616	520	428
FA-18 BLUE ANGELS	3112	3160	2900
" AIRSHOWS	69	73	64
C-130	224	252	218
H-3 SAR	2750	2750	1700
~~TRANSIENTS~~	~~11704~~	~~13942~~	~~15144.~~

(NOT STATION AIRCRAFT) ~~HQMRD~~ CNET N-4423 ~~ADA~~ 11 May 94

(OTHER EVENTS): NINE HOLIDAYS, BLUE ANGELS AIRSHOW

ADV E2/C2 PILOT TRAINING
TYPE AIRCRAFT: T-2C

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	4351	2291	1889
	Graduate Training Sorties	211	120	100
	Training Support Sorties*	315	179	150
	Other Sorties			
	TOTAL SORTIES:	4877	2590	2139
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

PRI/INT NFO
TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	4615	9193	10349
	Graduate Training Sorties			
	Training Support Sorties*	401	1136	1279
	Other Sorties			
	TOTAL SORTIES:	5016	10329	11628
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

PRI/INT NFO
TYPE AIRCRAFT: T-2*
* T-2 A/C no longer used in Primary/Intermediate NFO Syllabus.

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	3382	1043	0
	Graduate Training Sorties			
	Training Support Sorties*	294	129	
	Other Sorties			
	TOTAL SORTIES:	3676	1172	0
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

PRI/INT NFO
TYPE AIRCRAFT: T-47*
*T-47 A/C no longer used in Primary/Intermediate NFO Syllabus.

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	2238	0	0
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	2238	0	0
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

PRI/INT NFO
TYPE AIRCRAFT: T-39

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	3	1723	1929
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	3	1723	1929
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

ADV NFO
TYPE AIRCRAFT: T-39

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	2385	2385	1570
	Graduate Training Sorties	345	414	437
	Training Support Sorties*	109	122	126
	Other Sorties			
	TOTAL SORTIES:	2839	2921	2133
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

ADV NFO
TYPE AIRCRAFT: T-2

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	3084	3072	2004
	Graduate Training Sorties	47	56	65
	Training Support Sorties*	47	53	59
	Other Sorties			
	TOTAL SORTIES:	3178	3181	2128
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Airfield/OLF Name: **OLF CHOCTAW**
Location (Lat/Long and nearest town): **30 30 25N, 086 57 35W / MILTON, FL - 10 MILES**
Syllabi and Level of Training Supported: **ADV E2/C2; PRI; PRI/INT/ADV HELO**
Ownership: **USAF**
For OLF: **Distance (nm) from home field: 20 MILES EAST**

TYPE AIRCRAFT: T-2 / T-34 / H-3

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	SEE (NOTE)		
	Graduate Training Sorties	(SEE NOTE)		
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	54,173	58,900	54,444
Non-Operational Hours	Standdowns	1	1	1
	Maintenance			11
	Other Events	215	138	151

List below the "other sorties" and "other events" included in the table above:
NINE HOLIDAYS, BLUE ANGELS AIRSHOW/PRACTICES, FCLP'S AND CLASSIFIED MISSIONS

NOTE: INFORMATION CONCERNING NUMBER OF TRAINING SORTIES UNAVAILABLE. APPROXIMATELY 98% OF TOTAL SORTIES ARE FOR TRAINING PURPOSES.

HEARD CNET N-4433 AOA 11 MAY 94

ADV E2/C2 PILOT TRAINING
TYPE AIRCRAFT: T-2C

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	2348	1334	1116
	Graduate Training Sorties	211	120	100
	Training Support Sorties*	315	179	150
	Other Sorties			
	TOTAL SORTIES:	2874	1633	1366
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Airfield/OLF Name: **OLF BRONSON**
Location (Lat/Long and nearest town): **30 23 04N, 087 24 25W, PENSACOLA, FL - 12 MILES**
Syllabi and Level of Training Supported: **OPERATIONAL SQUADRON**
Ownership: **US NAVY**
For OLF: **Distance (nm) from home field 5 MILES WEST**

TYPE AIRCRAFT: H-3's & UH-1's
HC16 CONDUCTED THESE OPERATIONS, SQUADRON WAS DECOMMISSIONED NOV 93

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties			
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	* ~~20,276~~ 2000	* ~~19,347~~ 2000	* ~~11,448~~ 2000
Non-Operational Hours	Standdowns	5	5	5
	Maintenance			
	Other Events	72	72	410

(PER NAS AIR OPS)

HEARD CNET N-4433 11 May Ana

List below the "other sorties" and "other events" included in the table above:
NINE HOLIDAYS, BLUE ANGELS AIRSHOW

* OLF BRONSON WAS USED STRICTLY FOR TRAINING/ MULTIPLE TOUCH AND GO'S WITH NO RECORD OF SORTIE COUNT. BEST ESTIMATE OF SORTIE COUNT IS BASED ON A PORTION OF NAS PENSACOLA'S SORTIE RATE.

PER NAS AIR OPS - 10 MAY 94 PMD

HEARD
CNET N-4433
~~Ana~~ 11 May 94

Airfield/OLF Name: **OLF Summerdale**
Location: **30 31'N 87 38W, Summerdale, AL**
Syllabi and Level of Training Supported: **NFO Primary**
Ownership: **Navy**, NAS WHITING FIELD
For OLF: **Distance (nm) from home field 24 nmi.**

2
CNATRA N3

2. Complete the table below to describe the airfield's **annual operations (sorties flown) by type of aircraft**. Give best estimate of the number of sorties if exact data not available. If sortie totals are derived from estimates, list assumptions.

TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	74	488	265
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	74	488	268
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Airfield/OLF Name: **OLF Holley**
Location: **30 26'N 86 54W, Holley, Fl**
Syllabi and Level of Training Supported: **NFO Primary**
Ownership: **Navy**
For OLF: **Distance (nm) from home field 22 nmi**

TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	7	16	24
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	7	16	24
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Facilities

A. Airfield

Airfield/OLF Name: **OLF Wolf**
Location: **30 21'N 87 32W, Foley AL**
Syllabi and Level of Training Supported: **NFO PRIMARY**
Ownership: **Navy,** NAS WHITING FIELD
For OLF: **Distance (nm) from home field 12 nmi**

CNOTRA N3

TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	15	481	162
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	15	481	162
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Airfield/OLF Name: **OLF Barin**
Location: **30 24'N 87 38W, Foley AL**
Syllabi and Level of Training Supported: **NFO Primary**
Ownership: **Navy**
For OLF: **Distance (nm) from home field 17 nmi**

TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	191	1078	392
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	191	1078	392
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Airfield/OLF Name: **OLF Saufley**
Location: **30 29N 87 20W, Pensacola, FL**
Syllabi and Level of Training Supported: **NFO Primary**
Ownership: **Navy**, NAS WHITING FIELD
For OLF: **Distance (nm) from home field 7 nmi**

CNATRA N3

TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	21	71	40
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	21	71	40
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Airfield/OLF Name: **OLF Silverhill**
Location: **30 34N 87 48W, Silverhill, AL**
Syllabi and Level of Training Supported: **NFO Primary**
Ownership: **Navy**
For OLF: **Distance (nm) from home field 30 nmi**

TYPE AIRCRAFT: T-34

		FY 1991	FY 1992	FY 1993
Operational Sorties	Undergraduate Training Sorties	411	1398	2012
	Graduate Training Sorties			
	Training Support Sorties*			
	Other Sorties			
	TOTAL SORTIES:	411	1398	2012
Non-Operational Hours	Standdowns			
	Maintenance			
	Other Events			

Facilities (cont.)

A. Airfield (cont.)

3. Indicate in the table below the number of undergraduate/graduate pilots and NFO/Navigators trained in FY 1991, FY 1992, and FY 1993 at your installation by syllabus, by level of training. In the blank FY column select the FY with the greatest output within the last 10 years and indicate the year and show data.

Syllabus of Training	Level of Training		Pilots and NFO/Navigators Trained			
			FY 1991	FY 1992	FY 1993	FY/W greatest output
General NFO	PRI		502	~~518~~ 545	358	FY-89 647 output
	INT		341	~~330~~ 228	221	FY-89 386 output
TN/BN	ADV	USN	95	91	54	FY-90 128 output
		USMC	34	20	20	FY-90 49 output
RIO	ADV	USN	~~65~~ 64	~~65~~ 64	50	FY-86 73 output
		USMC	8	~~17~~ 15	17	FY-~~92~~ 93 17 output
OJN	ADV	USN	56	64	26	FY-87 92 output
E2/C2 Pilot	ADV	USN	44	~~29~~ ~~22~~ 25	34	FY-92 ~~29~~ 25 output

2 (VELEZ) CHAMPION 8-25-94

4. Under normal operations, give the average number of daylight/night **flying hours** per day, and the number of days per year the airfield/OLF is scheduled for undergraduate pilot and/or NFO/Navigator training. (Do not include weekends.)

	FY 1991	FY 1992	FY 1993
Average hours (day/night)	~~35,527/6,269~~ 11.4/6.6	~~36,286/6,404~~ 11.4/6.6	~~34,567/6,101~~ 11.4/6.6
Days per year:	237	237	237

Reynolds, 9TR NAS P (110) 19 Aug 94

Facilities (cont.)

A. Airfield (cont.)

3. Indicate in the table below the number of undergraduate/graduate pilots and NFO/Navigators trained in FY 1991, FY 1992, and FY 1993 at your installation by syllabus, by level of training. In the blank FY column select the FY with the greatest output within the last 10 years and indicate the year and show data.

Syllabus of Training	Level of Training		Pilots and NFO/Navigators Trained			
			FY 1991	FY 1992	FY 1993	FY/W greatest output
General NFO	PRI		502	~~518~~ 345	358	FY-89 647 output
	INT		341	~~330~~ 228	221	FY-89 386 output
TN/BN	ADV	USN	95	91	54	FY-90 128 output
		USMC	34	20	20	FY-90 49 output
RIO	ADV	USN	63	63	50	FY-86 73 output
		USMC	8	17	17	FY-92 17 output
OJN	ADV	USN	56	64	26	FY-87 92 output
E2/C2 Pilot	ADV	USN	44	~~79~~ 22	34	FY-92 79 output

CONTRA N3

4. Under normal operations, give the average number of daylight/night **flying hours** per day, and the number of days per year the airfield/OLF is scheduled for undergraduate pilot and/or NFO/Navigator training. (Do not include weekends.)

	FY 1991	FY 1992	FY 1993
Average hours (day/night)	35,527/6,269	36,286/6,404	34,567/6,101
Days per year:	237	237	237

Facilities (cont.)

A. Airfield (cont.)

5. Enter the percentage of daylight undergraduate/graduate pilot and/or NFO/Navigator training sorties lost during each of the last three years due to weather, maintenance, operations, other military flights, commercial / civilian flights, or other reasons by aircraft type. Indicate if the sorties lost were from an undergraduate or graduate program.

Aircraft Type: T-2/A4 * **Undergraduate Training: Yes**

Factor		Percentage Lost		
		FY 91	FY 92	FY 93
Weather	Primary NFO	N/A	N/A	N/A
	Intermediate NFO	13%	15%	N/A
	Advanced TN/BN	*8%	11%	15%
	Advanced RIO	*8%	10%	12%
	Advanced OJN	*11%	8%	7%
	Advanced E2/C2	13%	10%	12%
Operations	Primary NFO	N/A	N/A	N/A
	Intermediate NFO	5%	5%	N/A
	Advanced TN/BN	*17%	3%	3%
	Advanced RIO	*.5%	4%	3%
	Advanced OJN	*1%	7%	2%
	Advanced E2/C2	8%	6%	4%
Maintenance	Primary NFO	N/A	N/A	N/A
	Intermediate NFO	.3%	1.%	N/A
	Advanced TN/BN	.2%	.8%	07%
	Advanced RIO	0%	1%	.5%
	Advanced OJN	0%	2%	0%
	Advanced E2/C2	.5%	1.4%	.5%
Other Military Flights		0%	0%	0%
Civilian/Commercial Flights		0%	0%	0%
Other		0%	0%	0%
	Total**	13%	14%	14%

*** FY-91 A4 A/C being used for advanced NFO Syllabi**
**** Total % lost is based on historical planning factor data.**

Aircraft Type: T-34 **Undergraduate Training: Yes**

Factor		Percentage Lost		
		FY 91	FY 92	FY 93
Weather	Primary NFO	14%	13%	13%
	Intermediate NFO	15%	12%	13%
	Advanced TN/BN	N/A	N/A	N/A
	Advanced RIO	N/A	N/A	N/A
	Advanced OJN	N/A	N/A	N/A
	Advanced E2/C2	N/A	N/A	N/A
Operations	Primary NFO	5%	7%	6%
	Intermediate NFO	5%	5%	N/A
	Advanced TN/BN	4%	5%	4%
	Advanced RIO	N/A	N/A	N/A
	Advanced OJN	N/A	N/A	N/A
	Advanced E2/C2	N/A	N/A	N/A
Maintenance	Primary NFO	0%	.3%	.3%
	Intermediate NFO	.1%	.1%	.2%
	Advanced TN/BN	N/A	N/A	N/A
	Advanced RIO	N/A	N/A	N/A
	Advanced OJN	N/A	N/A	N/A
	Advanced E2/C2	N/A	N/A	N/A
Other Military Flights		0%	0%	0%
Civilian/Commercial Flights		0%	0%	0%
Other		0%	0%	0%
	Total*	22%	22%	22%

*** Total % lost is based on historical planning factor data.**

Aircraft Type: T-39/T-47 **Undergraduate Training: Yes**

Factor		Percentage Lost		
		FY 91	FY 92	FY 93
Weather	Primary NFO	N/A	N/A	N/A
	Intermediate NFO	*8%	6%	8%
	Advanced TN/BN	*6%	6%	11%
	Advanced RIO	*7%	4%	8%
	Advanced OJN	*5%	6%	11%
	Advanced E2/C2	N/A	N/A	N/A
Operations	Primary NFO	N/A	N/A	N/A
	Intermediate NFO	*1%	2%	1%
	Advanced TN/BN	*.3%	2%	3%
	Advanced RIO	*.5%	1%	1%
	Advanced OJN	*.8%	2%	N/A
	Advanced E2/C2	N/A	N/A	N/A
Maintenance	Primary NFO	N/A	N/A	N/A
	Intermediate NFO	.3%	2%	0%
	Advanced TN/BN	.5%	2%	.5%
	Advanced RIO	0%	0%	0%
	Advanced OJN	1%	.5%	0%
	Advanced E2/C2	N/A	N/A	N/A
Other Military Flights		0	0%	0%
Civilian/Commercial Flights		0	0%	0%
Other		0	0%	0%
	Total**	4%	4%	7%

*** FY-91 T-47 A/C was used for Inter/Advanced NFO Syllabi.**
**** Total % lost is based on historical planning factor data.**

6. List the major factors in the "other" category in the above table.

None

Facilities (cont.)

A. Airfield (cont.)

7. Weather (WX): During the period of record (at least ten years), what was the yearly average:
   a. Percentage of time WX at or above 200/1? 97.5
   b. Percentage of time WX at or above 300/1? 96.9
   c. Percentage of time WX at or above 500/1? 95.0
   d. Percentage of time WX at or above 1000/3? ~~89~~ 86.2
   e. Percentage of time WX 3000/5 and above? ~~70~~ 68.0
   f. Percentage of time WX 3000/3 and above? ~~78~~ 76.4
   g. Percentage of time WX 1500/3 and above? ~~85~~ 83.4
   h. Percentage of time crosswind component to the primary runway at or below 15 knots? 98
   i. Percentage of time crosswind component to the primary runway at or above 25 knots? less than 1/10
   j. Mean number of days of icing in the local flying area? 53

Facilities (cont.)

A. Airfield (cont.)

8. For each independent runway complex at home field and all OLFs, provide a breakdown of daytime and nighttime airfield usage by type of training (include overhead sorties) for undergraduate flight training over the past year. Use a separate table for each runway complex. (Note: The percentages in each column are of sorties flown and should sum to 100.) (Not applicable for helicopter training.)

Runway Complex Name: SHERMAN FIELD

Type of Training	Level of Training	FY 1993 Runway Use (Percent)	
		Day	Night
General	Primary		
Strike	Intermediate		
	Advanced		
E2/C2	Intermediate		
	Advanced	17	16
Maritime	Intermediate		
	Advanced		
Rotary	Intermediate		
	Advanced		
NFO	Primary	28	33
	Intermediate	30	36
	Advanced	25	15
	Total	100	100

Runway Complex Name: OLF CHOCTAW

Type of Training	Level of Training	FY 1993 Runway Use (Percent)	
		Day	Night
General	Primary		
Strike	Intermediate		
	Advanced		
E2/C2	Intermediate		
	Advanced	100	0
Maritime	Intermediate		
	Advanced		
Rotary	Intermediate		
	Advanced		
NFO	Intermediate		
	Advanced		
	Total	100	0

9. Given the current mix of aircraft assigned to your air station, what is the average number of operations per hour this airfield and each OLF can support for each runway complex over a one year period (use the number of training days/year used by your service). This number should take in account reductions in operations due to weather and the times the airfield is closed to undergraduate/graduate pilot and/or NFO/Navigator training (i.e., calculations should be based on the methodology in the FAA's Airport Capacity and Delay manual). Show how this number was derived.

SHERMAN FIELD: 65 OPS / HOUR. SEE PAGE 55(a) AND 55(b).

1. USING FAA CRITERIA: PARALLELS - MAX HOURLY CAPACITY WOULD BE 129 VFR & 56 IFR AND ON SINGLE RUNWAY 68 VFR AND 51 IFR. 2 CHATTA N3
2. REALISTIC SUSTAINED HOURLY OPERATIONS (18 HOURS) WOULD BE APPROXIMATELY 50% OF MAX HOURLY CAPACITY - PARALLELS 65 VFR AND 25 IFR AND ON SINGLE RUNWAY 35 VFR AND 25 IFR

OLF CHOCTAW: 56 OPS / HOUR. SEE PAGE 55(c) ~~AND 55(d)~~ 2 CHATTA N3

1. CRITERIA WOULD BE SAME AS SINGLE RUNWAY OPERATIONS AT SHERMAN FIELD. 2 CHATTA N3
2. REALISTIC SUSTAINED HOURLY OPERATIONS (10 HOURS) WOULD BE APPROXIMATELY 60 VFR OPERATIONS. IFR OPERATIONS AVERAGE OUT TO > 0 AND <.5.

NOTE: SEE ATTACHED SHEETS FOR WORKSHEET FOR ABOVE FIGURES

Weather	Runway-use Diagram	Runway-use No.	Capacity Figure No.	Aircraft Mix %A	%B	%C	%D	Mix Index %(C+3D)	Percent Arrivals	Percent Touch & Go	Runway Exits (00 feet) Location			No.	Hourly Capac. Base C*	T & G Factor T	Exit Factor E	Hourly Capacity (000) C*·T·E
1	2	3	4	5	6	7	8	9	10	11	12			13	14	15	16	17
VFR		9	3-9		45	53	2	59	50%	30				2	118	1.2	.91	129
IFR			3-44							10					56	1.	1.	56
VFR		1	3-3		45	53	2	59	50%	30				2	62	1.2	.91	68
IFR			3-43							10					56	1.	.91	51

Figure A5-2. Hourly capacity runway component

6% - BELOW MINIMUMS
8% - BLUE ANGEL PRACT.
4%

$$\frac{(P_1 \cdot C_1 \cdot W_1) + (P_2 \cdot C_2 \cdot W_2) + \ldots + (P_n \cdot C_n \cdot W_n)}{(P_1 \cdot W_1) + (P_2 \cdot W_2) + \ldots + (P_n \cdot W_n)} = C_w$$

$$\frac{9494.4 + 8400 + 22576 + 1785}{73.6 + 150 + 332 + 35 + 60} = \frac{42255.4}{650.6} = 64.95$$

Operating Condition			Mix Index	Percent of Year (P)	Hourly Capacity (C)	Percent Maximum Capacity	Weighting Factor (W)
No.	Weather	Rwy-use Diagram					
1	2	3	4	5	6	7	8
1	VMC		59	73.6	129	100	1
2	IMC		59	6.0	56	43	25
3	VMC		59	16.6	68	53	20
4	IMC		59	1.4	51	40	25
5	IMC		59	2.4	Ø	Ø	25

Figure A5-6. Annual service volume

ANNUAL DAYLIGHT SERVICE VOLUME
(ASV.WK1)

This spreadsheet will calculate the annual service volume when per cent of year hourly capacity, per cent maximum capacity and weighting factor are provided. It uses FAA Advisory Circular AC 150/5060-5.

Weather	mix index	% of yr	hrly cap	% max cap	Weighting Factor (w)
vfr	77	90.2	99	100%	1
ifr	100	7.4	52	52%	20
below min	100	2.4	0	0%	25
	0	0	0	0%	0
	0	0	0	0%	0

Ops per hour: 56
Service volume: 159,956
Air station: OLF CHOCTAW
Remarks: chart 3-3 vfr, 3-43 ifr and below minimums.
Date run: 9 February 1994

This portion of the spreadsheet calculates hourly capacity if the hourly capacity base, t & g factor and exit factor are given.

hrly cap base	t & go factor	exit factor	hourly cap	chart
58	1.8	0.95	99	3-3
53	1	0.98	52	3-43
0	0	0	0	0
0	0	0	0	0

Notes: Blues figured in as an additional .8% below minimums.

Facilities (cont.)

A. Airfield (cont.)

10. Complete the table below to describe the runway activity to each runway at the home field and all OLFs. Use the FAA Airport Operations Count (traffic count) to determine departures and arrivals:

Sherman Field	FY 1991	FY 1992	FY 1993
Runway 07 Traffic Count	31404 - IFR 44357 - VFR 75761 - TOT	29182 - IFR 33041 - VFR 62223 - TOT	28549 - IFR 36045 - VFR 64594 - TOT
Runway 25 Traffic Count	19275 - IFR 32980 - VFR 52255 - TOT	26605 - IFR 36604 - VFR 63209 - TOT	19977 - IFR 26457 - VFR 46434 - TOT
Runway 19 Traffic Count	2482 - IFR 5049 - VFR 7531 - TOT	3810 - IFR 3347 - VFR 7157 - TOT	4152 - IFR 4326 - VFR 8478 - TOT
Runway 01 Traffic Count	7577 - IFR 10775 - VFR 18352 - TOT	7693 - IFR 8922 - VFR 16615 - TOT	7014 - IFR 7426 - VFR 14440 - TOT
OLF Choctaw	FY 1991	FY 1992	FY 1993
Runway 18 Traffic Count	8 - IFR 24423 - VFR 24431 - TOT	2 - IFR 34158 - VFR 34160 - TOT	0 - IFR 29753 - VFR 29753 - TOT
Runway 36 Traffic Count	8 - IFR 18094 - VFR 18102 - TOT	39 - IFR 24918 - VFR 24957 - TOT	24 - IFR 23254 - VFR 23278 - TOT

11. Give the percent of VFR and IFR flight operations (departures and arrivals) at each airfield and OLF (use the flight operations data for FY91 - FY93):

Sherman Field	FY 1991	FY 1992	FY 1993
VFR	~~60%~~ 50%	~~55%~~ 50%	~~59%~~ 50%
IFR	~~40%~~ 50%	~~45%~~ 50%	~~41%~~ 50%
Total	100%	100%	100%
OLF Choctaw	FY 1991	FY 1992	FY 1993
VFR	~~100%~~ 50%	~~100%~~ 50%	~~100%~~ 50%
IFR	*	*	*
Total	~~100%~~ 50%	~~100%~~ 50%	~~100%~~ 50%

2
CNATRA N3

NOTE: * INDICATES > 0 AND < .5%

Facilities (cont.)

A. Airfield (cont.)

12. Discuss the factors that constrain the number of available student flying hours per day (e.g., AICUZ agreements).

None

13. Assuming that airfield operations are not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc., what additional capacity (in flight operations (traffic count) per hour) could be gained? Provide details and assumptions for all calculations. Sherman Field / OLF Choctaw complex is AT 70% capacity. Increasing training requirement to fill excess 30% is feasible

CNATRA N3

SHERMAN FIELD

Using FAA criteria: Parallels - max hourly capacity would be 129 VFR & 56 IFR and on single runway 68 VFR and 51 IFR. Currently averaging 12.3 operations for each hour opened (18 hrs), realistic sustained hourly capacity - parallels 65 VFR and 25 IFR and on single runway 35 VFR and 25 IFR.

OLF CHOCTAW

Criteria would be same as single runway operations at Sherman Field. Currently averaging 22.3 operations for each hour opened (10 hours), realistic sustained hourly operations (10 hours) would be approximately 60 VFR operations.

CNATRA N3

14. Assuming that airfield operations are not constrained by construction/equipment funds, what additional capacity (in flight operations (traffic count) per hour) could be gained? Provide details, estimated costs, and assumptions for all calculations

None gained due to proximity of Pensacola Regional Airport, Eglin's restricted airspace, and only way to effectively increase operations would require building all new runways (parallels both primary and crosswind) that would allow simultaneous IFR operations.

15. 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).

AICUZ restricts jet traffic to the south and east of the field. Majority of airspace within 100nm of station is already special use airspace and availability of expansion is difficult.

R

Facilities (cont.)

A. Airfield (cont.)

16. Give the maximum sortie generating capacity per year of your installation given the current aircraft mix and type at your installation, and consistent with the training mission.

AIR OPS: **Sherman Field** using FAA criteria: parallels - max hourly capacity would be 129 VFR & 56 IFR and on single runway 68 VFR and 51 IFR.

Syllabus of Training *	Level (Track) of Pilot Training *	Trainer Aircraft *	Maximum Sorties*
General NFO	Primary	T-34C	4,924
General NFO	Intermediate	T-34C	4,366
		T-39	2,824
Advanced NFO	RIO/TN/OJN	T-39 T-2	4,857 2,647
E2/C2 Pilot	Advanced	T-2	5,076

* Maximum number of flight hrs per year are limited by contractor maintenance. Available flight hours directly affected number of sorties available. SORTIE RATE CAPACITY CAN BE INCREASED WITH ADDITIONAL FUNDING.

17. Are there any recommendations on how to increase sortie generating capacity and reduce the number of training installations? If so please explain.

NASP CO
9/7/94

CTW-6: Close NAS Meridian Mississippi and decommission Training Air Wing ONE. Move VT-19 (Intermediate Strike, T-2C Aircraft) and VT-7 (Advanced Strike, TA-4J aircraft) to Training Air Wing SIX aboard NAS Pensacola. NAS Pensacola has the hanger space, ramp space, office space and airspace available to safely and efficiently conduct NFO Training, Advanced E2/C2 training, Intermediate strike training and Advanced strike training concurrently as it was previously accomplished here through 1985. Previous AICUZ studies contain data for the T-2C, TA-4J, and T-39 aircraft. See note 1.

AIR OPS: Centralized scheduling for squadrons ensuring even spacing of operations allowing maximum use of all operating hours instead of 3 to 4 rush hours (75% of daily traffic) and remainder of day is slow.

1: NAS Pensacola does not have the capability to do All NFO, All Advanced E2/C2 and All of NAS Meridian's strike pipe (IGB). CHAMPION
Extensive capacity analysis would have to be conducted prior to implementing this option.

*See attached CNET letter

CLS
CNET T254

Facilities (cont.)

A. Airfield (cont.)

16. Give the maximum sortie generating capacity per year of your installation given the current aircraft mix and type at your installation, and consistent with the training mission.

AIR OPS: **Sherman Field** using FAA criteria: parallels - max hourly capacity would be 129 VFR & 56 IFR and on single runway 68 VFR and 51 IFR.

Syllabus of Training *	Level (Track) of Pilot Training *	Trainer Aircraft *	Maximum Sorties*
General NFO	Primary	T-34C	4,924
General NFO	Intermediate	T-34C	4,366
		T-39	2,824
Advanced NFO	RIO/TN/OJN	T-39 T-2	4,857 2,647
E2/C2 Pilot	Advanced	T-2	5,076

* Maximum number of flight hrs per year are limited by contractor maintenance. Available flight hours directly affected number of sorties available.

17. Are there any recommendations on how to increase sortie generating capacity and reduce the number of training installations? If so please explain.

CTW-6: Close NAS Meridian Mississippi and decommission Training Air Wing ONE. Move VT-19 (Intermediate Strike, T-2C Aircraft) and VT-7 (Advanced Strike, TA-4J aircraft) to Training Air Wing SIX aboard NAS Pensacola. NAS Pensacola has the hanger space, ramp space, office space and airspace available to safely and efficiently conduct NFO Training, Advanced E2/C2 training, Intermediate strike training and Advanced strike training concurrently as it was previously accomplished here through 1985. Previous AICUZ studies contain data for the T-2C, TA-4J, and T-39 aircraft. See note 1.

AIR OPS: Centralized scheduling for squadrons ensuring even spacing of operations allowing maximum use of all operating hours instead of 3 to 4 rush hours (75% of daily traffic) and remainder of day is slow.

Note 1: NAS Pensacola does not have the capability to do All NFO, All Advanced E2/C2 and All of NAS Meridian's strike pipe (IGB). Extensive capacity analysis would have to be conducted prior to implementing this option.

Facilities (cont.)

A. Airfield (cont.)

18. Give the designation, length, width, load bearing capacity, lighting configurations, and landing constraints for each runway at the home field and all OLFs.

Runway/Lane/Pad (Airfield Name & Runway Designation)	Length (ft)	Width (ft)	Load Bearing Capacity (lbs/ft²)	Lighting F	Lighting P	Lighting C	Lighting N	Lighting G	Arresting gear type and location	IFR or VFR (I or V) Capable? Night (N) Capable?	Approach Aids (IFR/ VFR)	
SHERMAN FIELD 07R/25L	8001	200	C-141 TT 381.8K		X				2- E-28 E-5 FOR OVERRUN	IFR NITE	07R APCH LITES/PAR/ ASR/ TACAN/ NDB	CNATR N
SHERMAN FIELD 07L/25R	8002	200	C-141 TT 381.8K		X				2- E-28 E-5 FOR OVERRUN	IFR NITE	PAR/ ASR/ TACAN	CNAT N
SHERMAN FIELD 01/19	7137	200	C-141 TT 357.2K		X				2- E-28 E-5 FOR OVERRUN	IFR NITE	PAR/ ASR/ TACAN/ NDB/ VOR	CNAT N
OLF CHOCTAW 18/36	8000	150	C-130 TT 243.6K		X	X			2- E-28 E-5 FOR OVERRUN	IFR NITE	TACAN (local use only)	CNAT N

OLF CHOCTAW 05/23	4000	175	CLOSED				X	X			
OLF CHOCTAW 11/29	3600	175	CLOSED				X	X			
BRONSON FIELD 04/23	4350	150	CLOSED CH-47				X	X			
BRONSON FIELD 18/36	4000	150	" "				X	X			
BRONSON FIELD 14/32	3965	150	" "				X	X			
BRONSON FIELD 09/27	4000	150	" "				X	X			
CHEVALIER FIELD HELO PAD - CLOSED TO ALL TRAFFIC EXCEPT NADEP			CLOSED				X	X			

F -- Full Lighting (approach, runway edge, center, and threshold)
P -- Partial Lighting (less than full)
C -- Carrier Deck Lighting Simulated (embedded)
N -- No Lighting
G -- NVG Lighting

TT-- TWIN TANDEM

Facilities (cont.)

A. Airfield (cont.)

19. In the table below list the available NAVAIDS with published approaches that support the main airfield and/or OLFs. Note any additions/upgrades to be added between now and FY 1997.

Runway Designation	NAVAID	Published Approaches
NAS PENSACOLA RWY 07R	TACAN (NPA CH119) NDB (NPA 267.6) PAR/ASR	HI AND LO TACAN HI NDB/DME
NAS PENSACOLA RWY 07L	TACAN (NPA CH119) PAR/ASR	HI AND LO TACAN
NAS PENSACOLA RWY 01	TACAN (NPA CH119) NDB (NPA 267.6) PAR/ASR	HI AND LO TACAN HI NDB/DME
NAS PENSACOLA RWY 25	TACAN (NPA CH119) PAR/ASR	HI AND LO TACAN
NAS PENSACOLA RWY 19	TACAN (NPA CH119) VOR (NUN 108.8) PAR/ASR	LO TACAN (RDR VECTORS) HI AND LO VOR
OLF CHOCTAW RWY 18	TACAN (NGS CH63)	LO TACAN (LOCAL USE ONLY)
OLF CHOCTAW RWY 36	TACAN (NGS CH63)	LO TACAN (LOCAL USE ONLY)
NAS PENSACOLA RWY 07L	ILS (PROPOSED 94)	

CNATRA N:

Facilities (cont.)
A. Airfield (cont.)

20. For the following category codes, provide the unit measure requested and any appropriate comments about the usability of the facility for undergraduate flying training.

CAT Code	Facility Type	Unit measure	Quantity	Comments
111	Runways Fixed Wing	SY	526,774	ADEQUATE NOTE 1
111	Runways Rotor Wing	SY	0	
111	Landing Pads	SY	7,750	ADEQUATE NOTE 1
113	Parking Aprons	SY	374,244	NOTE 2
113	Access Aprons	SY	36,016	ADEQUATE NOTE 1
121	Direct Fueling	OL/GM	200 gals per minute	NASP/ OLF Choctaw NOTE 5
121	Truck Fueling	OL/GM	200-240 gals per minute	Depends on hose size
121	Defueling	OL/GM	10 gals per minute	Maximum
124	Fuel Storage	GA	48,144 (OLF Choctaw) 2,000,280 (FISC)	NOTE 6
136-36 (USN)	Carrier Lighting	EA	0	NOTE 1
149	Arresting Gear	EA	12	6 E-28/ 6 E-5 NOTE 1
421/422 (AF)	Ammunition Storage	CF	143,087	ADEQUATE NOTE 1
422	Open Ammunition Storage	SY	17	ADEQUATE NOTE 1
111	Runway Fixed Wing	SY	385,206	NOTE 3
113	Parking Apron	SY	31,920	
113	Access Apron	SY	540	
136-36	Carrier Lighting	EA	2	ADEQUATE
149	Arresting Gear	EA	4	2 E-28/2 E-5
111	Runway Fixed Wing	SY	812,244	NOTE 4
113	Parking Aprons	SY	210,759	SUBSTANDARD
113	Access Apron	SY	32,290	SUBSTANDARD

NOTES:
1. Figures are for Forrest Sherman Field
2. 79,333 SY adequate/294,911 SY substandard
3. 233,333 SY adequate/77,778 substandard/74,095 SY inadequate, OLF Choctaw
4. 469,251 SY substandard/342,993 SY inadequate, OLF Bronson
5. Supply refueling contract (actual delivery to aircraft) can be modified (additional moves, personnel, trucks, etc.) to accomodate any number of aircraft.
6. Supply fuels has no storae capability for JP-5 fuel at NAS Pensacola. FISC has custody of and operates JP-5 storage tanks at NASP. Quantity listed above is under present storage capability. New tanks now being installed - will have storage capability of 3,948,000 gallons of JP-5.

21. List any additional constraints or limitations to the airfield that impact the training mission.

None

Facilities (cont.)

B. Airspace

1. Give the number of workable blocks of airspace and type of airspace used by your installation, the average dimensions (n.mi. x n.mi. x ft), and availability in daylight hours/year of these blocks for each syllabus and level of **PILOT** and/or **NFO/Navigator** training and trainer aircraft. Note that a workable block of airspace must be large enough to support the required training maneuvers/evolutions without encroaching on another block and have an ingress/egress route that does not go through other airspace blocks. (This question is not applicable to helicopter training.)

SEE PAGES ~~45~~ 64 (a) and ~~45~~ 64 (b) ~~AND 64(c)~~. No common method to determine what a workable block of airspace is - as the requirement varies with type of training being done. 2 CNATRA N3

PILOT

Type of **PILOT** Training	Level of **PILOT** Training	Trainer Aircraft	# Workable Blocks of Airspace	Average Block Dimensions
General	Primary	T-34C		
		JPATS		
Strike	Intermediate	T-2C		
	Advanced	TA-4J		
	Intermediate/ Advanced	T-45		
E2/C2	Intermediate	T-44	N/A	N/A
	Advanced	T-2	SOUTH MOA-3*	25nmX19nmX8000 ft*
		T-45	N/A	N/A
Maritime	Intermediate	T-34C		
		JPATS		
	Advanced	T-44		
Rotary	Intermediate	TH-57		
	Advanced	T-34C		
		JPATS		
		Total	3	

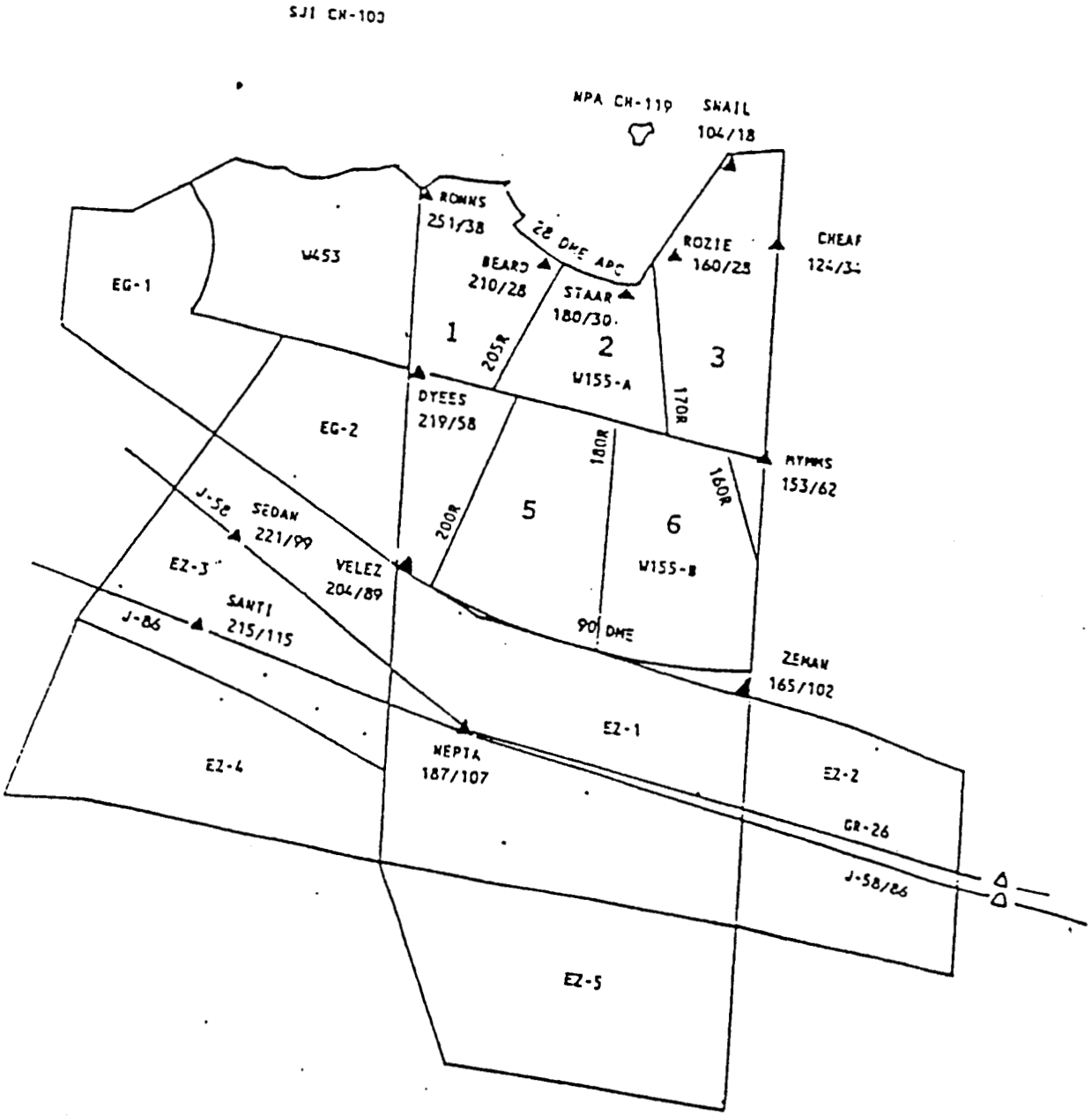
* Airspace figures reflect actual usage of airspace hased upon assigned PTR mix. Numbers of workable blocks and average block size change AND ARE dependent upon assigned PTR. 2 CNATRA N3

Facilities

Answers to Questions b.1. and b.3.:

AREAS	SQUARE MILES	ALTITUDE
W-155A		
AREA ONE	681*	SFC - FL600
AREA TWO	506*	SFC - FL600
AREA THREE	1122*	SFC - FL600
TOTAL	2309	
W-155B		
AREA FIVE	1470*	SFC - FL600
AREA SIX	1276*	SFC - FL600
TOTAL	2746	
GRAND TOTAL W-155	5055	
ATCAAs		
EAGLE ZULU ONE	2708	2000' - FL230
EAGLE ZULU TWO	1596	2000' - FL230
EAGLE ZULU THREE	1838	2000' - FL180
EAGLE ZULU FOUR	1310	2000' - FL180
EAGLE ZULU FIVE	1717	2000' - FL600
W-453	1205	SFC - FL600
EAGLE GOLF ONE	943	2000' - FL500
EAGLE GOLF TWO (including W-453)	2132	2000' - FL 500

*amounts can be split in half


SJI CH-100
NPA CH-110
SNAIL
104/18
RONNS
251/38
22 DME APC
ROZIE
160/28
CHEAP
124/3
BEARD
210/28
STAAR
180/30
EG-1
W453
1
205R
2
W155-A
3
170R
DYEES
219/58
EG-2
180R
160R
RYMMS
153/62
J-58
SEDAN
221/99
200R
5
6
W155-B
EZ-3
VELEZ
204/89
SANTI
215/115
J-86
90 DME
ZEMAN
165/102
EZ-1
NEPTA
187/107
EZ-4
EZ-2
GR-26
J-58/86
EZ-5

Type of **NFO** Training	Level of **NFO** Training	Trainer Aircraft	# Workable Blocks of Airspace	Average Block Dimensions
General	Primary	T-34	SOUTH MOA-3*	25nmX19nmX8000ft (10,500 – FL180)
		JPATS	N/A*	N/A
General	Intermediate	T-34/T-39	SOUTH MOA-3*/**	25nmX19nmX8000ft (10,500 – FL180)
		JPATS	N/A	N/A
NAV	Advanced	T-43	N/A	N/A
TN/BN	Advanced	T-2	SOUTH MOA-3* W-155-5*/**	25nmX19nmX8000ft (10,500 – FL180) 20nmX22nmX~~60,000ft~~ 29,000'
	Advanced	T-39	N/A**	N/A**
RIO	Advanced	T-2	SOUTH MOA-3* W-155-5*/**	25nmX19nmX8000ft (10,500 – FL180) 20nmX22nmX~~60,000ft~~ 29,000'
	Advanced	T-39	W-155-3*/**	20nmX22nmX~~60,000ft~~ 29,000'
OJN	Advanced	T-2	SOUTH MOA-3* W-155-3*	25nmX19nmX8000ft (10,500 – FL180) 20nmX22nmX~~60,000ft~~ 29,000'
	Advanced	T-39	W-155-3*/**	20nmX22nmX~~60,000ft~~ 29,000'
ATDS	Advanced	E-2C	N/A	N/A
		Total	SOUTH MOA-3 BLOCKS W-155-5 BLOCKS	

CNATRA-V7

* Airspace figures reflect actual usage of airspace based upon assigned PTR mix. Numbers of workable blocks and average block size change dependent upon assigned PTR. ** MTR and ATCAA airspace is also used.

Key to types of airspace:
MOAs -- Military Operating Areas
WA -- Warning Areas
AA -- Alert Areas
RA -- Restricted Areas
ATCAA -- Air Traffic Control Assigned Airspace
OWAW -- Overwater Airways
RR -- Restricted Areas with Ranges
MTR -- Military Training Routes
AW-- Airways (e.g. corridors to and from training areas)
PAT -- Pattern (e.g. airspace above runways)
OWA -- Overwater Airspace
CLG -- Uncontrolled Airspace

Facilities (cont.)

B. Airspace (cont.)

2. If the transit corridors between training areas and air station limits the number of aircraft that can train concurrently (i.e., can't safely use all blocks) give this limitation and explain what this number is based on. Break this information out by type and level of training if appropriate.

No limits.

3. List all the Special Use Airspace (SUA) (e.g., alert areas, restricted areas, warning areas, and MOAs) and airspace-for-special-use (e.g., ranges and low level training routes) within 100 n.mi. of the installation that are used for flight training. For each airspace provide the following information (seven questions):

FOR (a) THROUGH (g) SEE PAGES 67 THROUGH 74

a. Provide the type, name, location, size (nmi. x nmi. x ft), available times, airspace controlling activity, scheduling activity, method of scoring/recording, and proximity to airport traffic areas.

b. Is the airspace under radar and/or communications coverage/control? If so, who provides the services?

c. Does the Navy/Air Force/Army own the land below the training airspace under your cognizance? If not, do you control any real property interest? If so, describe the agreements and when these agreements are up for renewal?

d. What is the distance en route?

e. Are there any environmental limitations in or surrounding any of the training areas (air, land or sea) that impede the mission? If so, provide details.

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

g. 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 in usable airspace. Provide the basis/calculations for these estimates.

Warning Area W-155A

(a) Warning Area; 155A; Gulf of Mexico south of Pensacola; 2,309 square nautical miles; 7 days a week; sunrise to 0100 local, other times by NOTAM; FAA, ARTCC, Jacksonville, FL.; FACSFAC Pensacola; Facsked Program; 30 miles south of Pensacola TRACON.
(b) Yes, NAS Pensacola, callsign Seabreeze.
(c) No.
(d) 30 miles, 10 minutes.
(e) No.
(f) No.
(g) Yes, Workload in W-155A could be increased by Approx. 465%. Percentage is based on a daily Max capacity of 84 (7 workable blocks x 12 useable time periods) and average use currently at 15 operations per day.

Warning Area W-155B

(a) Warning Area; 155B; Gulf of Mexico south of Pensacola; 2,746 square nautical miles; 7 days a week; sunrise to 0100 local, other times by NOTAM; FAA, ARTCC, Jacksonville, FL.; FACSFAC Pensacola; Facsked Program; 30 miles south of Pensacola TRACON.
(b) Yes, NAS Pensacola, callsign Seabreeze.
(c) No.
(d) 50 miles, 15 minutes.
(e) No.
(f) No.
(g) Yes, Workload in W-155A could be increased by Approx. 800%. Percentage is based on a daily Max capacity of 84 (7 workable blocks x 12 useable time periods) and average use currently at 9 operations per day.

Warning Area 453

(a) Warning Area; 453; Gulf of Mexico, south of Pascagoula, MS.; 1,205 square nautical miles; 7 days a week; sunrise to sunset, other times by NOTAM; FAA, ARTCC Houston, TX.; ANG Trng, Gulfport, MS.; 50nmi.
(b) Yes, ANG Trng, Gulfport, MS. callsign "Guarddog".
(c) No.
(d) 40 miles, 13 minutes.
(e) No.
(f) No.
(g) Awaiting data from ANG Gulfport, MS.

Warning Area W-151A

(a) Warning Area; 151A; Gulf of Mexico south of Eglin AFB, FL.; 2,520 square nautical miles; Intermittent; FAA, ARTCC, Jacksonville, FL.; 3246 TestW/DOSO Eglin AFB, FL.; N/A; 20nmi.
(b) Yes, Eglin AFB, callsign Retail.
(c) No.
(d) 30 miles, 10 minutes.
(e) No.
(f) No.
(g) Awaiting data from 3246 TestW Eglin AFB.

Warning Area W-151B

(a) Warning Area; 151B; Gulf of Mexico south of Eglin AFB, FL.; 3,038 square nautical miles; Intermittent; FAA, ARTCC, Jacksonville, FL.; 3246 TestW/DOSO Eglin AFB, FL.; N/A; 40nmi.
(b) Yes, Eglin AFB, callsign Retail.
(c) No.
(d) 70 miles, 22 minutes.
(e) No.
(f) No.
(g) Awaiting data from 3246 TestW Eglin AFB.

Warning Area W-151C

(a) Warning Area; 151C; Gulf of Mexico south of Eglin AFB, FL.; 1,806 square nautical miles; Intermittent; FAA, ARTCC, Jacksonville, FL.; 3246 TestW/DOSO Eglin AFB, FL.; N/A; 30nmi.
(b) Yes, Eglin AFB, callsign Retail.
(c) No.
(d) 63 miles, 20 minutes.
(e) No.
(f) No.
(g) Awaiting data from 3246 TestW Eglin AFB.

VR 1020

(a) Visual Flight Route 1020; Originating 55 miles Northwest from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC uses the Military Airspace Management System. FACSFAC also keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.
(b) No.
(c) No.
(d) 55 Nautical miles, 14 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

VR 1021

(a) Visual Flight Route 1021; Originating 55 miles West from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC uses the Military Airspace Management System. FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 5nmi.

(b) No.

(c) No.

(d) 55 Nautical miles, 14 minutes.

(e) No.

(f) No.

(g) Yes, due to the low usage, the room for increase in near unlimited for this route.

VR 1022

(a) Visual Flight Route 1020; Originating 75 miles West from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC uses the Military Airspace Management System. FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 30nmi.

(b) No.

(c) No.

(d) 75 Nautical miles, 19 minutes.

(e) No.

(f) No.

(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

VR-1023

(a) Visual Flight Route 1023; Originating 53 miles West from Pensacola, FL.; 150nmi x 10nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 30nmi.

(b) No.

(c) No.

(d) 53 miles, 13 minutes.

(e) No.

(f) No.

(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

VR-1024

(a) Visual Flight Route 1024; Originating 50 miles West from Pensacola, FL.; 300nmi x 1,500'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 5nmi.
(b) No.
(c) No.
(d) 55 miles, 13 minutes.
(e) Minor modifications of altitude on route structure were required to eliminate overflight of small agricultural activities.
(f) No.
(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

IR-021

(a) Instrument Flight Route 021; Originating 28 miles Northeast from Pensacola, FL.; 400nmi x 6nmi x 11,000'; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.
(b) No.
(c) No.
(d) 28 miles, 7 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

IR-037

(a) Instrument Flight Route 037; Originating 67 miles West from Pensacola, FL.; 150nmi x 6,000; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.
(b) No.
(c) No.
(d) 67 miles, 17 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

IR-038

(a) Instrument Flight Route 038; Originating 53 miles West from Pensacola, FL.; 20nmi x 2,000'; sunrise-sunset weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 5nmi.
(b) No.
(c) No.
(d) 53 miles, 13 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

IR-040

(a) Instrument Flight Route 040; Originating 53 miles West from Pensacola, FL.; 150nmi.; 1200-0400Z ++ weekdays, occasional weekends; N/A; FACSFAC Pensacola; FACSFAC Pensacola uses the Military Airspace Management System, FACSFAC keeps all request schedules and reports on the usage Monthly, Quarterly, and Yearly; 20nmi.
(b) No.
(c) No.
(d) 53 miles, 13 minutes.
(e) No.
(f) No.
(g) Yes, due to the low usage, the room for increase is near unlimited for this route.

Pensacola North Military Operating Area

(a) Military Operating Area; Pensacola North; 30 miles north of Pensacola, FL.; 1,209 square miles; Normally sunrise to sunset Mon - Sat, occasional night operations until midnight; FAA, ARTCC Jacksonville, FL.; COMTRAWING SIX; Whiting; 1/2nmi.
(b) ???
(c) No.
(d) 30 miles, 10 minutes.
(e) No.
(f) No.
(g) Based on historical data, annual training can easily be doubled and possibly tripled with out having an adverse effect on safety of flight.

Pensacola South Military Operating Area

(a) Military Operating Area; Pensacola South; overhead NAS Pensacola; 1,196 square miles; Intermittent sunrise to 2400 Mon - Sat; FAA, Pensacola ATC Tower; COMTRAWING SIX; NAVFLIR; N/A.
(b) Yes, Pensacola TRACON.
(c) No.
(d) 0 miles, 5 minutes.
(e) No.
(f) No.
(g) Based on historical data, annual training can easily be doubled and possibly tripled with out having an adverse effect on safety of flight.

Eagle Gulf 1

(a) Air Traffic Control Assigned Airspace; Eagle Gulf One; Southeast of Gulfport, MS.; 864 square nautical miles; Sunrise to 0100 local; ANG Trng Gulfport, MS.; ANG Trng Gulfport, MS.; N/A; 15nmi.
(b) Yes, ANG Trng Gulfport, MS.
(c) No.
(d) 60 miles, 15 minutes.
(e) No.
(f) No.
(g) Awaiting data from ANG Trng MS.

Eagle Gulf 2

(a) Air Traffic Control Assigned Airspace; Eagle Gulf Two; South of Gulfport, MS.; 2,132 square nautical miles; Sunrise to 0100 local; ANG Trng Gulfport, MS.; ANG Trng Gulfport, MS.; N/A; 43nmi.
(b) Yes, ANG Trng Gulfport, MS.
(c) No.
(d) 80 miles, 20 minutes.
(e) No.
(f) No.
(g) Awaiting data from ANG Trng MS.

Restricted Area 2908

(a) Restricted Area; 2908; Gulf of Mexico, 25 miles Southwest of Pensacola, FL.; 75 square miles; Sunrise to Sunset daily, Other times by NOTAM 24 hour in advance; FAA, Pensacola RATCF; Commander, Training Air Wing Six, NAS Pensacola, FL.; N/A; 11nmi.
(b) Yes, NAS Pensacola, FL., callsign Seabreeze.
(c) No.
(d) 25 miles, 6 minutes.
(e) No.
(f) No.
(g) No increase.

Facilities (cont.)

B. Airspace (cont.)

4. Is the available SUA/airspace-for-special-use within 100 n.mi. of your installation sufficient to satisfy all training requirements?

Yes.

5. If deployments/detachments to other domestic locations are required to satisfy training requirements, provide the following information for each location:

a. Where do these units/squadrons deploy?

Blue Angels: NAF El Centro, CA.
VT-4: Key West/Miramar/Cecil Field/North Island
~~VT-10/VT-86: Key West~~

b. How far from your installation?

Blue Angels: 1,500 mi.
VT-4/~~VT-10/VT-86~~: 600nmi - 2,200nmi

c. Frequency?

Blue Angels: Once per year for 2 1/2 months.
VT-4: Average 6 times a year
~~VT-10: Once a year~~
~~VT-86: Twice a year~~

d. Reasons for deployment (e.g., adverse weather, airspace saturation, training, versatility, etc.)

Blue Angels: Weather, airspace, training.
VT-4: Carrier availability
~~VT-10: Training versatility~~
~~VT-86: Adverse weather~~

e. Annual costs incurred for deployments due to adverse weather?

Blue Angels: $38,100
~~VT-4/VT-10: None~~
~~VT-86: $20,127 (2 Dets, Key West). Data represents known travel/misc costs only.~~

Facilities (cont.)

B. Airspace (cont.)

f. Annual costs incurred for deployments due to airspace non-availability?

Blue Angels: $38,100
VT-4/VT-10/VT-86: None

g. Annual costs incurred for deployments due to insufficient training versatility (e.g., lack of low level training routes etc.)?

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Blue Angels: 0
~~VT-4: $57,238 (Represents travel/misc cost for carrier qualification detachments).~~
~~VT-10: $10,839 (Represents known travel/misc costs only).~~
~~VT-86: N/A~~

6. List all airspace control measures used for flight training that do not qualify as SUA/airspace-for-special-use and describe the limitations and capabilities of those control measures.

None

Facilities (cont.)

B. Airspace (cont.)

7. For each syllabus of undergraduate/graduate pilot and/or NFO/Navigator flight training, state whether you require any specific terrain feature or overwater access for training.

VT-4 Advanced E2/C2

Stage	Strike	E2/C2	Maritime	Helo	Primary	**NFDS**
Familiarization		LR				
Basic Instrument		NP				
Radio Instrument		NP				
Formation		LP				
Tactical Formation		NA				
Airway Navigation		NP				
Visual Navigation		LR				
Overwater Navigation		NA				
Out-of-control Flight		LP				
Carrier Qualifications		WR				
Air Combat Maneuvers		NA				
Operational Navigation		NA				
Weapons		NA				
Gunnery		NA				
Precision Aerobatics		NA				LR/WR
Helo Tactics		NA				
Helo Ship Qualifications		NA				

NOTE: THE NFDS, WHILE NOT UNDERGRADUATE PILOTS HAVE REQUIREMENTS AS INDICATED THAT NEED TO BE CONSIDERED.

Key:

LR (Overland Required) WR (Overwater Required) NP (No Preference)
LP (Overland Preferred) WP (Overwater Preferred) NA (Not Applicable)

NFDS (Blue Angels)

VT-86 Advanced NFO

Stage	OJN	RIO	TN
Radar Navigation	LR	NA	LR
Surface Search	WR	NA	WR
Low Level	LR	LR	LR
AirwaysNav/Radar/Low Level	LR/WR	LR/WR	LR/WR
Familiarization	LR	LP/WP	LR/WR
Tactical Low Level	NA	LR	LR
Advanced Tactical Maneuvers	NA	NP	NA
Pursuit Intercepts	NA	NP	NA
Attack/Reattack Intercepts	NA	NP	NA
Conversion Intercepts	NA	NP	NA
Unknown Intercepts	NA	NP	NA
Advanced Intercepts	NA	NP	NA

VT-10 Primary/Intermediate NFO

Stage	PRIMARY	INTERMEDIATE
Low Level VNAV		LR
AirwaysNav		LR
Familiarization	LR	
NAV	LR	
JNAV	LR	
FORM		NP

Key:

LR (Overland Required) WR (Overwater Required) NP (No Preference)
LP (Overland Preferred) WP (Overwater Preferred) NA (Not Applicable)

8. List any additional constraints or limitations to the airspace that impact the training mission.

Blue Angels: MOA on top of NAS Sherman Field and OLF Choctaw cap air space during pratice at 10K vice 15K we have at a show site.

CTW-6: None

Facilities (cont.)

R

C. Ground Training

1. By Facility Category Code , complete the following table for all training facilities at the installation in which undergraduate pilot and/or NFO/Navigator training is conducted. Include all 171-*xx*, 179-*xx* category codes, and any other applicable category codes.

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.

Cat Code: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom) See #2 note *1*	1	12	22,752
171-10 Bldg 3258 (VT-10) See #2 note *2*	10	300	568,800
171-10 Bldg 1853 (VT-86) See #2 note *4*	4	60	113,760
171-10 Academic Inst Bldg	10	582	1,168,656
171-20 Applied Inst Bldg	40	1,581	3,162,000
171-35 OPN Trainer Facility *	1	67	134,536
179-45 Survival Training Pier	1 EA	25	50,000
179-50 Obstacle Course	1 EA	8	16,000
171-35 Bldg 3480 (2B37)	4	4	11,884
(2C42)	2	2	5,680
(2F101)	3	3	8,466
171-35 Bldg 3268 (Ground Mapping Trainer)	2	2	5,418
(Air Intercept)	4	4	12,312
171-35 Bldg 3258 (1D23)	20	20	48,120
171-20 Pool	3	120	240,000

Design Capacity x 8 hrs/dy x 250 days/yr = Student hrs/yr

* The OPN trainer facility is actually a static display setup in a classroom. Because of the engineering codes, there are no mission requirements as they are part of the classroom hours. Therefore, not having been redesignated as another CCN, the available student hours will NOT be used in calculating the GEC for 171-35 in order to avoid creating a false sense of excess capacity.

Facilities (cont.)

C. Ground Training

1. By Facility Category Code , complete the following table for all training facilities at the installation in which undergraduate pilot and/or NFO/Navigator training is conducted. Include all 171-*xx*, 179-*xx* category codes, and any other applicable category codes.

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: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[1]	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom) * 1	1	12	22,752
171-10 Bldg 3258 (VT-10) * 2	10	300	568,800
171-35 SIM Bldg * 3	7	7	13,272
171-10 Bldg 1853 (VT-86) * 4	4	60	113,760
171-10 Academic Inst Bldg	10	582	1,168,656
171-20 Applied Inst Bldg	40	1,581	3,162,000
171-35 OPN Trainer Facility	1	67	134,536
179-45 Survival Training Pier	1 EA	25	50,000
179-50 Obstacle Course	1 EA	8	16,000

(Design Capacity X 8hrs/dy X 250 dys/yr)

* See footnotes on page 79.

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[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.

Facilities (cont.)

C. Ground Training

1. By Facility Category Code , complete the following table for all training facilities at the installation in which undergraduate pilot and/or NFO/Navigator training is conducted. Include all 171-*xx*, 179-*xx* category codes, and any other applicable category codes.

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.

Cat Code: SEE TABLE

CCN Type Training Facility	Total Number	Design Capacity (PN)[1]	Capacity (Student HRS/YR)
171-10 Bldg 1854 (VT-4 Classroom) *SEE #2 NOTE 1*	1	12	22,752
171-10 Bldg 3258 (VT-10) *SEE #2 NOTE 2*	10	300	568,000
171-35 SIM Bldg *SEE #2 NOTE 3*	7	7	13,272
171-10 Bldg 1853 (VT-86) *SEE #2 NOTE 4*	4	60	113,760
171-10 Academic Inst Bldg	26,212 SF	582	1,168,656
171-20 Applied Inst Bldg	244,555 SF	1,630	3,273,040
171-35 OPN Trainer Facility	33,451 SF	67	134,536
179-40 Small Arms Range	1 EA	10	20,080
179-45 Survival Training Pier	1 EA	20*	40,160
179-50 Obstacle Course	1 EA	100*	200,800
179-50 Drill Field	1 EA	200*	401,600

[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.

R

NOTES:

1. Aviation Flight Training Computation: 237 days/yr.
2. Non-Aviation Student Training Computation: 250 days/yr as defined by NAVFAC P-80.
3. CCN 179-45 Survival Training Pier is a completely separate training site from CCN 171-20 Pool. CCN 171-20 Pool is used for both UPT and non-UPT training requirements.
4. **Breaking out Aviation Preflight Indoctrination from the above table, the following facilities are used by API:**

171-20:	**13 Classrooms**
171-35:	**1 Classroom**
179-45:	**Survival Training Pier**
179-50:	**Obstacle Course**

CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[2]	Capacity (Student HRS/YR)
171-35 Bldg 3480 (2B37)	4	4	11,884
(2C42)	2	2	5,680
(2F101)	3	3	8,466
171-35 Bldg 3268 (Ground Mapping Trainer)	2	2	5,418
(Air Intercept)	4	4	12,312
171-35 Bldg 3258 (1D23)	20	20	48,120
171-20 Pool	3	120	240,000

NOTES:

1. Aviation Flight Training Computation: 237 days/yr.
2. Non-Aviation Student Training Computation: 250 days/yr as defined by NAVFAC P-80.
3. CCN 179-45 Survival Training Pier is a completely separate training site from CCN 171-20 Pool. Pool CCN 171-20 is used for both UPT and non-UPT training requirements.

[2] 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.

Cat Code: 171-20

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#633 APPLD INST CLASS	26	921	1,842,000
#75 BAY OPERATIONS	2	65	260,000
#58 LAND SURVIVAL	2	65	260,000
#3828 WATER SURVIVAL (3 POOLS/3 GYM AREAS/ 1 CLASSRM)	7	40	560,000
#671 TRNG DEVICES (2 POOLS/ 1 CLASSRM)	3	40	240,000

R

2. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

NASC:	# of classroom x design capacity x 8 hrs/day x 250 days/yr.	
CTW-6:	1. 12 x 8 x 237 = 22,752	
	2. 10 rooms x 30 students = 300 design capacity 300 x 8 x 237 = 568,000	
	4. 237 x 60 x 8 = 113,760	
Bldg 3480	* (2B37) - PRI	4 trainers x 2,971 allocated hrs = 11,884 annual capacity (see note). (451 Primary students / 369 Intermediate students)
	* (2C42)	2 trainers x 2,840 allocated hrs = 5,680 annual capacity (see note). (1,262 Primary students)
	* (2F101)	3 trainers x 2,822 allocated hrs = 8,466 annual capacity (see note). (81 E2/C2 Pilots / 314 Advanced NFO students)
Bldg 3268 * (Ground Mapping)		2 trainers x 2,709 allocated hrs = 5,418 annual capacity (see note). (213 Advanced NFO students)
	* (Air Intercept)	4 trainers x 3,078 allocated hrs = 12,312 annual capacity (see note). (157 Advanced NFO students)
Bldg 3258	* (1D23)	20 trainers x 2,406 allocated hrs = 48,120 annual capacity (see note). (1,155 Primary students / 770 Intermediate students)

NOTE: The annual capacity figures are based on the Planning Factors Calculation outlined in OPNAVINST 3502.6. The variables used in this calculation have already been approved by CNATRA and include a simulator day length of 16 hours (the other 8 hours of the day are for contractor maintenance). A straight 16 hour day without utilizing the planning factors formula would increase the excess capacity on paper, however it would not be as accurate as the above figures.

3. 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) could be gained? Provide details and assumptions for all calculations.

NASC: None. Capacity shown represents full time use of facility.
CTW-6: VT-4: There are several vacant rooms in Bldg 1854 that could be converted to classrooms if required. VT-86: 100 percent. NFOTR has been cut by 1/2.

4. Assuming that ground school training facility is not constrained by additional construction/equipment funds, what additional capacity (in student hours) could be gained? Provide details, estimated costs, and assumptions for all calculations[3]

~~171-20: Bldg 633 is not feasible to expand.~~ CLS ONET TESY 11-4-94

179-45: Student hour capacity is virtually unlimited when additional equipment and personnel are provided. Adding additional, identical facilities will increase student capacity by 100% for each facility built.

179-50: Student hour capacity is virtually unlimited when additional equipment and personnel are provided. Adding additional, identical facilities will increase student capacity by 100% for each facility built.

Answer for each independent runway complex at the home field and all OLFs and by aircraft type.

Cat Code: 179-45

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#3238 BAY OPS PIER	1	25	50,000

Cat Code: 195-50

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#2683 OBSTACLE CRSE	1	8	16,000

2. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

NASC: # of classroom x design capacity x 8 hrs/day x 250 days/yr.
CTW-6: 1. 12 x 8 x 237=22,752
2. 10 rooms x 30 students = 300 design capacity
300 x 8 x 237 = 568,000
3. 7 x 1 x 8 x 237 = 13,272
4. 237 x 60 x 8 = 113,760

3. 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) could be gained? Provide details and assumptions for all calculations.

NASC: None. Capacity shown represents full time use of facility.
CTW-6: VT-4: There are several vacant rooms in Bldg 1854 that could be converted to classrooms if required. VT-86: 100 percent. NFOTR has been cut by 1/2.

4. Assuming that ground school training facility is not constrained by additional construction/equipment funds, what additional capacity (in student hours) could be gained? Provide details, estimated costs, and assumptions for all calculations[2]

171-20: Bldg 633 is not feasible to expand.
179-45: Student hour capacity is virtually unlimited when additional equipment and personnel are provided. Adding additional, identical facilities will increase student capacity by 100% for each facility built.
195-50: Student hour capacity is virtually unlimited when additional equipment and personnel are provided. Adding additional, identical facilities will increase student capacity by 100% for each facility built.

Answer for each independent runway complex at the home field and all OLFs and by aircraft type.

R

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

~~171-20: Bldg 633 - space - building is close to full utilization.~~ ECS CNET 7254/11-4-94

179-45: Number of students allowed by law to enter military service. Number of daylight hours per day for those training events conducted outside.

179-50: Number of students allowed by law to enter military service. Number of daylight hours per day for those training events conducted outside. Only 8 personnel are allowed on the course at one time due to spacing considerations.

CTW-6: None.

Facilities (cont.)

C. Ground Training

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

171-20: Bldg 633 - space - building is close to full utilization.

179-45: Number of students allowed by law to enter military service. Number of daylight hours per day for those training events conducted outside.

195-50: Number of students allowed by law to enter military service. Number of daylight hours per day for those training events conducted outside. Only 8 personnel are allowed on the course at one time due to spacing considerations.

CTW-6: None

6. By Category Code, complete the following table for all training facilities at the installation in which undergraduate pilot and/or NFO/Navigator training **is not** conducted. Include all 171-*xx*, 179-*xx* category codes, and any other applicable category codes.

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.

Cat Code: 171-10

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
CONFERENCE CENTER	1	418	1,269,048

Cat Code: 724-11

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#602 BERTHING	63	244	2,055,456 (1)
CLASSROOM	1	46	129,168 (2)
#626 BERTHING	42	158	1,330,992 (3)
CLASSROOM	1	42	117,936 (4)

Facilities (cont.)

C. Ground Training (cont.)

6. By Category Code, complete the following table for all training facilities at the installation in which undergraduate pilot and/or NFO/Navigator training **is not** conducted. Include all 171-*xx*, 179-*xx* category codes, and any other applicable category codes.

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.

Cat Code: 171-10

Type Training Facility	Total Number	Design Capacity (PN)[3]	Capacity (Student HRS/YR)
CONFERENCE CENTER	1	418	1,269,048
#654 ACAD INST	1	20	40,000

Cat Code: 171-20

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
NORU Applied Inst	1	331	794,400
#672 APPL INST (1) POOL	24	24	48,000
#672 APPL INST (1) CLASSROOM	24	24	48,000
Defense Photo School	30	315	608,740

Cat Code: 179-40

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#462 SMALL ARMS RANGE	18	18	36,000

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.

Facilities (cont.)

Ground Training (cont.)

CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[4]	Capacity (Student HRS/YR)
171-10 ACADEMIC INST BLDG	1	20	40,000
171-20 APPLIED INST BLDG	42	766	1,532,000
171-45 TRNG AID PREP CTR	2	N/A	N/A
171-77 TRAINING STORAGE	3	N/A	N/A
179-45 FIRE TRNG TOWER	1	10	20,000
179-40 PISTOL RANGE	1	18	36,000
179-60 DRILL FIELD	1	*	*

* SIX ACRE GRASS DRILL/PARADE FIELD UTILIZED FOR MILITARY DRILL AND GRADUATION PARADES.
(40hrs/wk X 50wks/yr X Design Capacity)

[4] 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.

Cat Code: 179-60

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#332A DRILL FIELD	1	*	*

Cat Code: 724-11

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#602 BERTHING	63	244	2,055,456 (1)
CLASSROOM	1	46	129,168 (2)
#626 BERTHING	42	158	1,330,992 (3)
CLASSROOM	1	42	117,936 (4)

CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)[4]	Capacity (Student HRS/YR)
171-10 ACADEMIC INST BLDG	1	20	40,000
171-20 APPLIED INST BLDG	42	766	1,532,000
171-45 TRNG AID PREP CTR	2	N/A	N/A
171-77 TRAINING STORAGE	3	N/A	N/A
179-45 FIRE TRNG TOWER	1	10	20,000
179-40 PISTOL RANGE	1	18	36,000
179-60 DRILL FIELD	1	*	*

* SIX ACRE GRASS DRILL/PARADE FIELD UTILIZED FOR MILITARY DRILL AND GRADUATION PARADES.

(40hrs/wk X 50wks/yr X Design Capacity)

[4] 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.

Cat Code: 179-60

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#332A DRILL FIELD	1	*	*

Cat Code: 724-11

Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
#602 BERTHING	63	244	2,055,456 (1)
CLASSROOM	1	46	129,168 (2)
#626 BERTHING	42	158	1,330,992 (3)
CLASSROOM	1	42	117,936 (4)

CCN: See Table

CCN Type Training Facility	Total Number	Design Capacity (PN)	Capacity (Student HRS/YR)
171-10 ACADEMIC INST BLDG	26,032 SF	578	1,244,960
171-20 APPLIED INST BLDG	187,241 SF	1248	2,505,984
171-45 TRNG AID PREP CTR	10,126 SF	N/A	N/A
171-77 TRAINING STORAGE	8,034 SF	N/A	N/A
179-45 FIRE TRNG TOWER	1 EA	10*	20,080

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Facilities (cont.)

C. Ground Training (cont.)

7. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

CONF CTR: Seating and tables for 418 individuals. Center was open an average of 276 days per year over the last two years, and is open 11 hrs per day (0700-1800). Total hrs/yr = 418 seats x 276 days/yr x 11 hrs/day.

NORU: Officer and Enlisted standard load design is 331.

331 x 8 hrs = 2,648 x 300 - 794,400 hrs/work.

171-10: (20 students/1 classroom) x 8 hrs/day x 5 days/wk x 50 wks/yr = 40,000

171-20: 40 hrs/wk x 50 wks/yr x 24

179-40: 40 hrs/wk x 50 wks/yr x 18

179-60: Six acre grass drill/parade field utilized for military drill and graduation parades.

724-11: (1) 244 (PN) x 24 hrs x 351 days (-14 days for Christmas break)

(2) 46 x 8 hrs x 351 days

(3) 158 (PN) x 24 hrs x 351 days (-14 days for Christmas break)

(4) 42 (PN) x 8 hrs x 351 days

* Bldg 626 is used exclusively as a training barracks for Naval Officer Candidates.

CTW-6: ASSUME: FOR 171-10, 45 SF/PN; FOR 171-20, 150 SF/PN; * = ESTIMATED. ASSUME: 251 DAYS/YR X 8 HRS/DAY = 2008 HRS/YR. STUDENT HRS/YR = DESIGN CAPACITY (PN) X 2008 HRS/YR

DPHSCOL: 19 classrooms x 12 students max capacity = 228; 9 classrooms x 8 students max capacity = 72; 1 classroom x 6 students max capacity = 6; 1 classroom x 9 students max capacity = 9; Total student capacity = 315. 8 hr trng day x 242 training days x 315 max student capacity - 609,840 student capacity hrs/yr.

R 8. 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) could be gained? Provide details and assumptions for all calculations.

171-10 Bldg 654: No additional capacity can be gained. This Bldg is an old wooden structure scheduled to be demolished.

171-20 Bldg 672: No additional capacity can be gained. This facility contains 1 classroom and 1 swimming pool.

179-40 Bldg 462: Pistol Range - None.

179-60 Bldg 332A: Drill Field - None. The field has fixed dimensions.

NOTE: Based on current design capacity equation using 8 hr dys, 5 dys/wk, no additional capacity can be gained. Bldg 602 and 626 are berthing facilities. Classroom capacity could be increased by increasing hrs/dy and/or dys/wk. Berthing capacity could not be increased since design capacity is based on 24 hr usage.

Facilities (cont.)

C. Ground Training (cont.)

7. For the Student HRS/YR value in the preceding table, describe how that entry was derived.

CONF CTR: Seating and tables for 418 individuals. Center was open an average of 276 days per year over the last two years, and is open 11 hrs per day (0700-1800). Total hrs/yr = 418 seats x 276 days/yr x 11 hrs/day.

NORU: Officer and Enlisted standard load design is 331.

331 x 8 hrs = 2,648 x 300 - 794,400 hrs/work.

171-10: (20 students/1 classroom) x 8 hrs/day x 5 days/wk x 50 wks/yr = 40,000

171-20: 40 hrs/wk x 50 wks/yr x 24

179-40: 40 hrs/wk x 50 wks/yr x 18

179-60: Six acre grass drill/parade field utilized for military drill and graduation parades.

724-11: (1) 244 (PN) x 24 hrs x 351 days (-14 days for Christmas break)

(2) 46 x 8 hrs x 351 days

(3) 158 (PN) x 24 hrs x 351 days (-14 days for Christmas break)

(4) 42 (PN) x 8 hrs x 351 days

* Bldg 626 is used exclusively as a training barracks for Naval Officer Candidates.

CTW-6: ASSUME: FOR 171-10, 45 SF/PN; FOR 171-20, 150 SF/PN; * = ESTIMATED. ASSUME: 251 DAYS/YR X 8 HRS/DAY = 2008 HRS/YR. STUDENT HRS/YR = DESIGN CAPACITY (PN) X 2008 HRS/YR

DPHSCOL: 19 classrooms x 12 students max capacity = 228; 9 classrooms x 8 students max capacity = 72; 1 classroom x 6 students max capacity = 6; 1 classroom x 9 students max capacity = 9; Total student capacity = 315. 8 hr trng day x 242 training days x 315 max student capacity - 609,840 student capacity hrs/yr.

8. 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) could be gained? Provide details and assumptions for all calculations.

Question has been referred back to appropriate tenant command(s). Will provide input has soon as possible.

Facilities (cont.)

C. Ground Training (cont.)

9. Assuming that ground school training facility is not constrained by additional construction/equipment funds, what additional capacity (in student hours) could be gained? Provide details, estimated costs, and assumptions for all calculations

The only inadequate training facilities are Buildings 58 and 75. These facilities are being upgraded by replacement by MILCON Project P-568. This MILCON Project constructs a 40,350 SF building and a 4,500 SF Arboretum. Estimated cost of this project is $4.6 million which includes the building, sitework and contingency of 5 percent.

Available on base is approximately 150 acres of land which can be developed at a cost of $150 per sf (includes sitework). Also, Building 47, 18,968 SF can be converted to a training facility at a cost of approximately $4.75 million.

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

From a facilities aspect, the only limiting factor is adequate area to develop. Approximately 150 acres of land exists in the Forrest Sherman Field area for possible development.

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply

1. Provide the number of other aircraft (both active and reserve operational squadrons) that are based at your installation. If a squadron has more than one type of aircraft, fill out a separate line for each type.

Type of Aircraft	Number of Aircraft (Fiscal Year)							Mission
	1995	1996	1997	1998	1999	2000	2001	
F/A-18	11	11	11	11	11	11	11	Navy Flight Demonstration Squadron
C-130	1	1	1	1	1	1	1	Navy Flight Demonstration Squadron
C-12B	2	2	2	2	2	2	2	Cargo/Pax
H-3H	3	3	3	3	3	3	3	SAR

2. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be based and parked on your current parking aprons. Use your service specific regulations regarding standard measures, (NAVFAC P-80, etc.).

Aircraft Type	# of Aircraft	Comments
*T-2	74	NAVFAC P-80 DOES NOT PROVIDE APPROXIMATIONS
T-34	80	FOR 45 DEGREE PARKING OF PROPELLER AIRCRAFT
*T-39	65	AND HELICOPTERS.
*F-18	43	*T-2, T-39 AND F-18 CALCULATED AT 45 DEGREE
C-130	2	PARKING.
C-12B	14	
H-3H	14	

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply

3. Provide the details of your calculations, including your assumptions on the minimum separation between aircraft, folding of aircraft wings, and any obstruction that may limit the placement of aircraft on the parking apron spaces.

CTW-6: Calculations for number of aircraft (a) based on total ramp area minus 20 percent for taxi lanes and 7.202 percent for transient parking (374,244 - [74,848 - 26,197] = 273,199. All measurements are in square yards. Calculations for number of aircraft (b) based on 8 percent of each type aircraft (except F/A-18 @ 25 percent) in hangars for scheduled maintenance and various areas of the ramp used strictly for parking (no turn-ups, minor maintenance).

* All aircraft parking approximations taken from NAVFAC P-80 tables 113-20B.

AIR OPS: CALCUALTIONS FOR NUMBER AIRCRAFT BASED ON TOTAL RAMP AREA MINUS 20% FOR TAXI LANES AND 7.202% FOR TRANSIENT PARKING (374,244-[74,848-26,197]=273,199). ALL MEASUREMENTS ARE IN IN SQUARE YARDS.

*ALL AIRCRAFT PARKING APPROXIMATIONS TAKEN FROM NAVFAC P-80 TABLES 113-20B.

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply (cont.)

4. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be housed in your hangars. Use your service specific regulations regarding standard measures, (NAVFAC P-80, etc.).

Aircraft Type	# of Aircraft	Comments
*F-18	4	F-18 AND T-2 COMBINED IN HANGAR 1854
T-2	5	
T-34	9	T-34 AND T-39 COMBINED IN HANGAR 1853
T-39	4	
C-12B	10	C-12B AND H-3 COMBINED IN HANGARS 3260 AND 3221
*H-3	10	

***F-18 (FLIGHT DEMONSTRATION TEAM) AIRCRAFT WINGS ARE NOT FOLDED UNLESS ABSOLUTELY NECESSARY. H-3 BLADES ARE FOLDED.**

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply (cont.)

5. 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.

For NAS Pensacola Hangar Bldg 3260 only: (b) Claculations based on parking only, minimum maintenance. C-12 wing span of 54'6", separation of 10', and a useable hangar of 402' (402 divided by 65 = 6). H-3H width of 16'4' (folded) separation of 10' and a useable hangar of 402' (402 divided by 27 = 14). Sample mix could be two, C-12, two, H-3H (spread), or three, C-12, six H-3H (folded).

AIR OPS: Calculations are based on actual available hangar deck area minus fire lanes and working clearance between aircraft and doors. However, intermediate maintenance factor (imo), total maintenance operation factor (TMO) and other organizational maintenance module factors were not calculated as they do not apply to contract maintenance.

(a) Hangar 1853. Available length of 243 ft by width of 150 feet. Ten (10) feet along each wall and five (5) feet at each door is required for fire lanes and door clearance. Useable area for aircraft parking is 233 feet by 130 feet divided into two areas (116.5 Feet by 130 feet) for type aircraft (t-34 and 5-39).

(1) T-34 - wing span of 33' 4", length of 29' and five feet between wing tips. Because of size of aircraft it is possible to park both parallel and perpendicular.

(2) T-39 - wing span of 45' 5", length of 44' and 24 feet between wing tips.

(b) Hangar 1854. Available length of 243 feet by width of 150 feet. Ten (10) feet along each wall and five (5) feet at each door is required for fire lanes and door clearance. Useable area for aircraft parking is 233 feet by 130 feet divided into two areas (116.5 Feet by 130 feet) for type aircraft (f-18 and t-2).

(1) F-18 wing span of 37' 6" and length of 56' with 40 feet between wing tips.

(2) T-2 wing span of 37' 11" and length of 39' with 20 feet between wing tips and aircraft parked parallel and perpendicular.

(c) Hangar 3260. Available length of 402 feet by width of 70 feet. Ten (10) feet along three walls and five (5) feet at door is required for fire lan and door clearance. Useable area for aircraft parking is 382 feet by 55 feet for type aircraft (c-12b and h-3).

(1) C-12 - wing span of 54' 6" and length of 44' and h-3 (blades folded) width of 16' 4" and length of 48'.

(d) Hangar 3221. Presently used by NADEP and Naval Aviation Museum. Claculations are the same as hangar 3260, but other groups (shown in q4) are possible.

Note: maximum number of aircraft in any hangar could be increased or decreased by placing all of one type aircraft in hangar.

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply (cont.)

6. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be maintained at your installation based on availability of maintenance facilities (i.e., maintenance docks, wash racks, NDI facilities, etc.).

Aircraft Type	# of Aircraft	Comments
F-18	~~14~~ 48 *	ALL MAINTENANCE, EXCEPT F-18, ACCOMPLISHED BY
T-2	~~42~~ 60 *	CONTRACT PERSONNEL.
T-34	~~70~~ 108 *	
T-39	~~34~~ 48 *	
C-12B	4	
H-3	6	DOD MAINTENANCE
C-130	1	DOD MAINTENANCE

2
CNATRA N3

* SCHEDULED MAINTENANCE ONLY. HANGAR SPACE IS USED AS LIMITER

7. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.
* Based on NAVFAC P-80 (12 times available hanger spaces)

Based on input from contractor, current facility has the capability to handle the maximum numbers indicated above. Input is based on shops, test benches, size of facilities, etc. However, contract personnel increase would be required to support the number of aircraft.

AIR OPS: This facility has two type B washracks (1866 SY/1878 SY) capable of servicing 80 aircraft each. Based on present maintenance facilities it is possible to maintain these aircraft (80 x 2), however, increase in contract personnel will be necessary.

8. Describe any maintenance backlogs that your installation 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

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply (cont.)

9. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be supported at your installation based on availability of supply/storage facilities.

Aircraft Type	# of Aircraft **(PRESENT)**	Comments
C-12	2	Not supported by supply/storage facilities. All maintenance is performed under contract.
T-34	35	
T-39	17	
H-3	3	Storage spaces at Bldg 3581 and 781 (to be turned over to NAS Supply) can accommodate (part support storage) any number of aircraft Air Ops can support. New 45,000 SF warehouse just completed. Sufficient storage exists to support 4 times the number of aircraft which are currently assigned.
C-130	1	
F/A-18	11	
T-2	20	

10. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

Aviation Support Department could easily provide parts and storage support for an increase of 4 times the current number of aircraft and possibly more. Bldg 3581 is only being 33 percent utilized at this time and Bldg 781 has ample storage space for any overflow of material or back-up stock. The total number of line items carried has decreased over the past 5 years by 50 percent due to the increase in the number and types of aircraft in operation at Sherman Field and due to the advent of contract maintenance and supply support of T-34, T-39, and UC-12 aircraft.

11. List any additional constraints or limitations to the parking, maintenance, and supply facilities that impact the training mission.

The only foreseen constraint at this time is that any changes in maintenance requirements would require modification of current UNC (AIMD) maintenance contract. Any increases in maintenance capability would require transfer or procurement of applicable test stands and test equipment and minimal training of maintenance personnel (i.e., currently F/A-18 repairables are transported to NAS Cecil Field for repair and return).

Facilities (cont.)

D. Aircraft Parking, Maintenance, and Supply (cont.)

9. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be supported at your installation based on availability of supply/storage facilities.

Aircraft Type	# of Aircraft	Comments
		Storage spaces at Bldg 3581 and 781 (to be turned over to NAS Supply) can accomodate (part support storage) any number of aircraft air ops can support (hangar and apron). New 45,000 SF warehouse under construction.

10. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

N/A

11. List any additional constraints or limitations to the parking, maintenance, and supply facilities that impact the training mission.

None

Features and Capabilities

Replace this page with pages 91(a) - 91(f).

HEARD
CMBT N-4433
11 May 94

A. Housing and Messing

1. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Differentiate between officer/enlisted/civilian, and include if billeting is for students or permanent party.

Facility Type, Bldg. # & Cat Code	Total No. of Beds	Total No. of Rooms	Total people housed
P-3251 / 72411	192	192	143*

*** Total includes 123 permanent party student aviators and 20 permanent party staff.**

2. 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. Differentiate between officer/enlisted/civilian, and include if billeting is for students or permanent party.

Facility Type, Bldg. # & Cat Code	Total No. of Beds	Total No. of Rooms	Total People Housed
P-3251	121	121*	121

*** Total rooms decreased by building renovation project number RC27-92R commencing Dec 94. Will increase minimum SF per room required by DODI 4165.63M. Projected completion is Dec 95.**

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UIC: 00204

Features and Capabilities A. Housing and Messing

1. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

BOQ Housing and Messing

Facility Type, Bldg # & CCN	Total # of Beds	Total # of Rooms	Total Housed	Off	Enl	Civ	Student	Permanent
P-34-72412	4	4	3	3	0	0	0	0
P-600-72411	25	62	7	7	0	0	0	7
P-3246-72411	218	218	90	50	0	40	0	0
P-3251-72411	258	258	180	180	0	0	160	20
P-3252-72411	243	243	225	195	0	30	180	0

Facility	Total Adequate Rooms	Total Substandard Rooms	Total Inadequate Rooms
BOQ	723	0	62

Encl (2)

Features and Capabilities
A. Housing and Messing

BOQ Housing and Messing

1. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms						
			Total Housed	Officer	Enlist	Civilian	Student	Perm
P-34-72412	4	4	3	3				
P-600-72411	25	62	7	7				7
P-3246-72411	218	218	90	50		40		
P-3251-72411	258	258	180	180			160	20
P-3252-72411	243	243	225	195		30	180	

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BEQ Housing and Messing

Facility Type, Bldg # & CCN	Total # of Beds	Total # of Rooms	Total Housed	Off	Enl	Civ	Student	Permanent
P-3468-72114	240	80	165	0	165	0	165	0
P-3469-72111	112	56	105	0	105	0	0	105
P-3470-72111	168	84	156	0	156	0	0	156
P-3471-72113	28	28	28	0	28	0	0	28
P-3471-74112	56	56	56	0	56	0	56	0
P-3472-72113	2	4	2	0	2	0	0	0
P-3472-72111	128	64	128	0	128	0	128	0
P-3473-72113	60	60	58	0	58	0	0	0
P-3474-72112	40	40	39	0	39	0	0	39
P-3475-72113	48	48	47	0	47	0	47	0
P-623-72114	232	68	171	0	171	0	171	0
P-3231-72114	52	25	23	0	23	0	0	23
P-3248-72112	152	68	106	0	106	0	0	106
P-3248-72111	105	1	105	0	105	0	105	0

Facility	Total Adequate Rooms	Total Substandard Rooms	Total Inadequate Rooms
BEQ	520	1 OPEN BAY	161

Encl (2)

Features and Capabilities

BEQ Housing and Messing

1. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms						
			Total Housed	Officer	Enlist	Civilian	Student	Perm
P-3468-72114	240	80	165		165		165	
P-3469-72111	112	56	105		105			105
P-3470-72111	168	84	156		156			156
P-3471-72113	28	28	28		28			28
P-3471-72112	56	56	56		56		56	
P-3472-72113	2	4	2		2			
P-3472-72111	128	64	128		128		128	
P-3473-72113	60	60	58		58			
P-3474-72112	40	40	39		39			39
P-3475-72113	48	48	47		47		47	
P-623-72114	232	68	171		171		171	
P-3231-72114	52	25	23		23			23
P-3248-72112	152	68	106		106			106
P-3248-72111	105	1	105		105		105	

32 91 (b) HQARD CNET N-4453 11 May 94

Features and Capabilities

OCS Housing and Messing

1. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms						
			Total Housed	Officer	Enlist	Civilian	Student	Perm
P-602-72411	236	59	30				30	
P-602-72411	8	4	8				8	
P-626-72411	148	37	12				12	
P-626-72411	10	5	10				10	

Personnel Housed in OCS are Student Officer Candidates.

~~32~~ 91 (c) HEARD CNET N-4433 11 May 94 A-A

Revised

UIC: 00204

Features and Capabilities A. Housing and Messing

2. 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. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

BOQ Housing and Messing

Facility Type, Bldg # & CCN	Total # of Beds	Total # of Rooms	Total Housed	Off	Enl	Civ	Student	Permanent
P-34-72412	4	4	3	3	0	0	0	0
P-600-72411	43	62	10	10	0	0	0	10
P-3246-72411	218	218	218	160	0	58	0	0
P-3251-72411	207	207	207	207	0	0	167	40
P-3252-72411	243	243	243	223	0	20	220	0

Facility	Total Adequate Rooms	Total Substandard Rooms	Total Inadequate Rooms
BOQ	672	0	62

Encl (2)

Features and Capabilities
A. Housing and Messing

BOQ Housing and Messing

2. 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. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms						
			Total Housed	Officer	Enlist	Civilian	Student	Perm
P-34-72412	4	4	3	3				
P-600-72411	43	62	10	10				10
P-3246-72411	218	218	218	160		58		
P-3251-72411	207	207	207	207			167	40
P-3252-72411	243	243	243	223		20	220	

~~32~~ 91.(d) HEARD CNET N-4433 ~~AAA~~ 11 May 94

Revised
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UIC: 00204

BEQ Housing and Messing

Facility Type, Bldg # & CCN	Total # of Beds	Total # of Rooms	Total Housed	Off	Enl	Civ	Student	Permanent
P-3468-72114	168	84	168	0	168	0	0	168
P-3469-72111	112	56	112	0	112	0	0	112
P-3470-72111	168	84	168	0	168	0	0	168
P-3471-72113	84	84	84	0	84	0	84	0
P-3472-72111	136	68	136	0	136	0	0	0
P-3473-72113	60	60	60	0	60	0	0	0
P-3474-72112	20	40	20	0	20	0	0	20
P-3475-72113	24	48	24	0	24	0	0	24
P-623-72114	160	80	160	0	160	0	160	0
P-3248-72113	160	80	160	0	160	0	0	160
P-A-72111	560	280	560	0	560	0	560	0
P-B-72111	560	280	560	0	560	0	560	0
P-C-72111	560	280	560	0	560	0	560	0
P-D-72111	560	280	560	0	560	0	560	0
P-E-72111	444	888	444	0	444	0	444	0
P-F-72111	560	280	560	0	560	0	560	0
P-G-72111	560	280	560	0	560	0	560	0
P-H-72111	560	280	560	0	560	0	560	0
P-I-72111	560	280	560	0	560	0	560	0

ENCL (2)

UIC: 00204

BEQ Housing and Messing (cont)

Facility	Total Adequate Rooms	Total Substandard Rooms	Total Inadequate Rooms
BEQ	3,812	0	0

Note: OCS Barracks are considered adequate for officer accession housing.

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ENC/ (2)

Features and Capabilities

BEQ Housing and Messing

2. 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. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Total Housed	Officer	Enlist	Civilian	Student	Perm
P-3468-72114	168	84	168		168			168
P-3469-72111	112	56	112		112			112
P-3470-72111	168	84	168		168			168
P-3471-72113	84	84	84		84		84	
P-3472-72111	136	68	136		136			
P-3473-72113	60	60	60		60			
P-3474-72112	20	40	20		20			20
P-3475-72113	24	48	24		24			24
P-623-72114	160	80	160		160		160	
P-3248-72113	160	80	160		160			160
P-A-72111	560	280	560		560		560	
P-B-72111	560	280	560		560		560	
P-C-72111	560	280	560		560		560	
P-D-72111	560	280	560		560		560	
P-E-72111	444	888	444		444		444	
P-F-72111	560	280	560		560		560	
P-G-72111	560	280	560		560		560	
P-H-72111	560	280	560		560		560	
P-I-72111	560	280	560		560		560	

~~32~~ 91 (e) HEARD ONBT N-4433 11 MAY 94

Features and Capabilities

OCS Housing and Messing

2. 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. Differentiate between Officer/Enlisted/Civilian, and include if billeting is for Students or Permanent Party.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms						
			Total Housed	Officer	Enlist	Civilian	Student	Perm
P-602-72411	236	59	52				52	
P-602-72411	8	4	8				8	
P-626-72411	148	37	30				30	
P-626-72411	10	5	10				10	

Personnel Housed in OCS are Student Officer Candidates.

~~32~~ 91 (f) HEARD ONET N-4433 11 MAY 94 KOA

Revised
B5

PAGES 73/74, QUESTIONS b.9. / b.11.

Features and Capabilities

b. Housing and Messing (cont.)

9. 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	
721-45 Dining Facility (Built-in, attached) Bldg 601	12,503	0	0	244	12,503	0	0	550
721-45 Dining Facility (Built-in, attached) Bldg 602	21,317	0	0	192	21,317	0	0	350
722-10 Dining Facility Bldg 1907	14,983	256	14,983	0	0	0	0	170

Buildings 601 and 602 have been rated as substandard by NAVFAC criteria.

11. 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	
721-45 Dining Facility (Built-in, Attached) Bldg 601 *	12,503	0	0	244	12,503	0	0	550
721-45 Dining Facility (Built-in, attached) Bldg 602 *	21,317	0	0	192	21,317	0	0	350
722-10 Dining Facility Bldg 1907	14,983	256	14,983	0	0	0	0	170
** New Galley	55,000	792	55,000	0	0	0	0	4,500

*** Buildings 601 and 602 have been rated as substandard by NAVFAC criteria.**
**** Ground Breaking in Fall 1995. On line for Spring 1997, in support of NATTC migration.**

Amended pages have been forwarded.
SH
CNET
N4434
8/17/94

B 73/74

Encl (1)

Features and Capabilities (cont.)

A. Housing and Messing (cont.)

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

First table was default with Data Call. Assume second table was meant for this question.

Facility Type, Bldg. # & Cat Code	Total No. of Beds	Total No. of Rooms	Total People Housed

Facility Type, Cat Code and Bldg. #	Total Sq. Ft.	Seats	Avg # Noon Meals Served
721-45 / 601	12,651	244	550
722-45 / 602	20,917	192	350
722-10 / 1907*	14,983	264	150

*** Mess Hall 1907 is scheduled to be closed in Sep 94.**

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

Facility Type, Cat Code and Bldg. #	Total Sq. Ft.	Seats	Avg # Noon Meals Served
721-45 / 601	12,651	244	550
722-45 / 602	20,917	192	350
New Galley	55,000	5,500	4,500

Features and Capabilities (cont.)

R

A. Housing and Messing (cont.)

5. Based upon your installation's on and off-base housing and messing facilities, what average daily student load (ADSL) could you support from FY95 - FY01? Express the daily student load in terms of enlisted, officer, and civilian.

Type Facility	Average Daily Student Load (ADSL)						
	1995	1996	1997	1998	1999	2000	2001
BOQ * (Permanent Students)	~~121~~	121	121	121	121	121	~~121~~
BEQ	~~770~~	~~2,858~~	5,442	5,666	~~5,666~~	~~5,666~~	~~5,666~~
On-Base Housing	SEE PAGE 94						
Off-Base Housing							
Galley 601	550	550	550	550	550	550	550
Galley 602	350	350	350	350	350	350	350
New Galley			5,500	5,500	5,500	5,500	5,500
Total Messing	900	900	6,400	6,400	6,400	6,400	6,400

R

See page 93(a)

HEARD ~~AOA~~ CNET N-4432 10/6/94

*** Permanent party student aviators FY95 will be housed in Transient Officer Quarters until renovation is completed in Building 3251, Project No. RC27-92R with expected completion in Dec 95.**

6. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

- Average daily student load for Galleys 601/602/1907 was computed by taking the seating capacity and average head count over a 12-month period for each galley. R

	Seating Capacity	Average Head Count	ADSL
Galley 601	244	306	550
Galley 602	192	158	350

- The new galley (NATTC Galley) ADSL is based on the current design plan to feed 5,500 students.

SEE PAGE 94 FOR ADDITIONAL INFORMATION & Pages 93 (a) and (b).

~~AOA~~ HEARD CNET N-4432 10/6/94

7. List any additional constraints or limitations to the housing and messing facilities that impact the training mission. R

Galley 1907 is scheduled to close by 30 September 1994 for economical reasons.

SEE PAGE 94 FOR ADDITIONAL INFORMATION & Pages 93 (a) and (b).

~~AOA~~ HEARD CNET N-4432 10/6/94

Features and Capabilities (cont.)

A. Housing and Messing (cont.)

5. Based upon your installation's on and off-base housing and messing facilities, what average daily student load (ADSL) could you support from FY95 - FY01? Express the daily student load in terms of enlisted, officer, and civilian.

Type Facility	Average Daily Student Load (ADSL)						
	1995	1996	1997	1998	1999	2000	2001
BOQ * (Permanent Students)	121	121	121	121	121	121	121
BEQ	770	2,858	5,442	5,666	5,666	5,666	5,666
On-Base Housing	SEE PAGE 94						
Off-Base Housing							
Galley 601	550	550	550	550	550	550	550
Galley 602	350	350	350	350	350	350	350
Galley 1907	532	532	532	532	532	532	532
New Galley			5,500	5,500	5,500	5,500	5,500
Total Messing	1,432	1,432	6,932	6,932	6,932	6,932	6,932

Heard CNET N-443 11 May

see page 93(a)

*** Permanent party student aviators FY95 will be housed in Transient Officer Quarters until renovation is completed in Building 3251, Project No. RC27-92R with expected completion in Dec 95.**

6. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

SEE PAGE 94 & Pages 93 (a) and (b).

Heard CNET N-443 11 May 94

7. List any additional constraints or limitations to the housing and messing facilities that impact the training mission.

SEE PAGE 94 & Pages 93 (a) and (b).

5. Based upon your installation's on and off-base housing and messing facilities, what average daily student load (ADSL) could you support from FY95 - FY01? Express the daily student load in terms of enlisted, officer, and civilian.

Average Daily Student Load

Type Facility							
	1995	1996	1997	1998	1999	2000	2001
BOQ -							
Officer	240	387	387	387	387	387	387
Enlisted							
Civilian							
BEQ -							
Officer							
Enlisted	770	2858	5442	5666	5666	5666	5666
Civilian							
OCS -							
Officer Candidates	80	100	100	100	100	100	100

6. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

6. Basis of calculations: NASP CNO Quality of Life Special Projects: BEQ

BUILDING	RENOVATION START	RENOVATION FINISH	BEDS BEFORE	BEDS AFTER	
3468	12/94	6/95	240	168	E-1/E-4
3469	12/94	6/95	112	112	E-1/E-4
3470	6/95	12/95	168	168	E-1/E-4
3471	6/95	12/95	84	84	E-5/E-9 Perm Party
3474	1/96	6/96	40	20	E-7/E-9 Perm Party
3475	1/96	6/96	48	24	E-7/E-9 Perm Party
623	1/96	1/97	232	160	E-1/E-4 A/C Students
3472	6/96	1/97	130	132	E-1/E-4 Students
3473	6/96	1/97	60	60	E-7/E-9 Students
3248	1/97	1/98	260	160	E-1/E-4 Students

FY 99 5666 Students E-1/E-9
44 Permanent Party E-7/E-9
28 Permanent Party E-5/E-6
280 Permanent Party E-1/E-4
6018 TOTAL BEDS

~~33~~ 93 (a)

Heard CNET N-4433 11 May 96

R

7. List any additional constraints or limitation to the housing and messing facilities that impact the training mission.

7. The current plan is to build nine (9) new Bachelor Enlisted Quarters for the arrival of "A" and "c" schools. These new BEQ's are to be used for students (transit) only, no permanent party personnel.

The present Bachelor Enlisted Quarters, which there are presently ten (10) are also in the process of being renovated. This renovation will increase permanent party rooms space to satisfy regulations, therefore decreasing actual number of permanent party rooms.

With the arrival of the "A" and "C" schools in the near future, no consideration or planning has been involved in the arrival of a larger increase of permanent party personnel to support the students, such as: instructors, cooks, medical, disbursing, etc.

If all goes as planned we will not have enough berthing spaces for our permanent party personnel to support these schools.

5/13/94

New Adequacy standards in the BQs reduced capacity 50%. When the initial BRAC data call was made, permanent party rooms could adequately house 2 E5/6 people per room. New criteria reduced that to 1 E5/6 per room. Thus, the comment that "... no consideration or planning has been involved in the larger increase of permanent party..." is not accurate. In a word, the criteria changed.

33 93 (b)

Heard CNET N-4433 11 May 94

R Torok
BQ Programs
In 1122

7. List any additional constraints or limitation to the housing and messing facilities that impact the training mission.

7. The current plan is to build nine (9) new Bachelor Enlisted Quarters for the arrival of "A" and "c" schools. These new BEQ's are to be used for students (transit) only, no permanent party personnel.

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~~35~~ 93 (b)

Heard CNET N-4433 11 May 94

R. Torkel
BQ Programmer
N-433

Features and Capabilities

A. Housing and Messing (cont.)

5. Navy Family Housing does not maintain statistics nor assign quarters based on Average Daily Student Load (ADSL). On-Base Housing is not available to civilian employees working in the Pensacola area complex. Enlisted and officer housing is available to all military personnel with dependents assigned to the area-wide complex. Applicants for housing must have a minimum of six months remaining on their tour of duty to accept assignment to government quarters. All qualified applicants for on-base housing compete on an equal basis based on pay grade and bedroom entitlement.

~~6. Assumptions made for data provided: Data Call 19 is for Undergraduate Pilot Training. Pilot training is conducted for officers in the 01-03 category.~~

Heard CNET waives from 11 May 94

On-base Housing:

The Navy Family Housing Department provides on-base housing to all officer and enlisted personnel (with dependents) stationed at the Pensacola Naval Complex; which includes personnel stationed at all commands onboard NAS Pensacola, NTTC Corry Station, Naval Hospital and NETPMSA Saufley Field.

Military housing at NAS Pensacola is not designated for student housing. All service members entitled to housing compete on an equal basis for the housing units available for assignment.

Housing assets for 01-03 personnel are as follows:

2 Bedroom Units = 16
3 Bedroom Units = 91
4 Bedroom Units = 12

No new construction of officer housing units is planned for the period FY95 - FY01

Navy Family Housing does not maintain statistics based on ADSL, in terms of enlisted, officer and civilian personnel.

Off-base Housing:

A review of all listings in the Escambia County Multiple Listing Service (MLS) and listings located in the Family Housing Office was conducted on 18 April 1994 to determine off-base housing availability for military personnel in the 01-03 classification.

There are currently 378 off-base housing units available for rent at or below $650/month to personnel in the 01-03 pay grade. This is based on a review of apartments, townhouses, condominiums, and single family homes. Analysis was based on the BAQ+VHA rates for personnel 01-03 which is $530.00 to $650.00 monthly.

We are unable to ascertain future rental availability as fluid market forces could drive this number in either direction.

Features and Capabilities

A. Housing and Messing (cont.)

5. Navy Family Housing does not maintain statistics nor assign quarters based on Average Daily Student Load (ADSL). On-Base Housing is not available to civilian employees working in the Pensacola area complex. Enlisted and officer housing is available to all military personnel with dependents assigned to the area-wide complex. Applicants for housing must have a minimum of six months remaining on their tour of duty to accept assignment to government quarters. All qualified applicants for on-base housing compete on an equal basis based on pay grade and bedroom entitlement.

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Mean CNET [illegible] [illegible]

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Average Daily Student Load

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Officer	240	387	387	387	387	387	387
Enlisted							
Civilian							
BEQ –							
Officer							
Enlisted	770	2858	5442	5666	5666	5666	5666
Civilian							
OCS –							
Officer Candidates	80	100	100	100	100	100	100

6. Provide the basis (including source data) of your calculations in enough detail so they can be reproduced.

6. Basis of calculations: NASP CNO Quality of Life Special Projects: BEQ

BUILDING	RENOVATION START	RENOVATION FINISH	BEDS BEFORE	BEDS AFTER	
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3470	6/95	12/95	168	168	E-1/E-4
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3474	1/96	6/96	40	20	E-7/E-9 Perm Party
3475	1/96	6/96	48	24	E-7/E-9 Perm Party
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FY 99 5666 Students E-1/E-9
44 Permanent Party E-7/E-9
28 Permanent Party E-5/E-6
280 Permanent Party E-1/E-4
6018 TOTAL BEDS

~~33~~ 93 (a)

Heard
CNET N-4433
11 May 96

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, USN
NAME (Please type or print)

COMMANDER
Title

TRAINING WING SIX
Activity

Signature

4/29/94
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)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Chief of Naval Air Training
Title

Naval Air Training Command
Activity

Signature

9 MAY 94
Date

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

MAJOR CLAIMANT LEVEL

SEE NEXT PAGE

NAME (Please type or print)

Title

Activity

Signature

Date

NAS PENSACOLA

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

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

J. B. Greene, Jr
NAME (Please type or print)

Acting
Title

Signature

27 May 1994
Date

Command: **NAS Pensacola**

Data Call Number Nineteen

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

Acting
Title

13 MAY 94
Date

CNET
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

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

W. T. R. BOGLE, CAPT, U.S. NAVY
NAME (Please type or print)

W T R Bogle
Signature

COMMANDING OFFICER
Title

4/29/94
Date

NAVAL AIR STATION PENSACOLA
Activity

Command: **NAS Pensacola**

Data Call Number Nineteen (Revision)

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

Acting
Title

18 MAY 94
Date

CNET
Activity

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

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

J. B. Greene, Jr.
NAME

Signature

Acting
Title

27 May 1994
Date

BRAC-95 DATA CALL 19
NAS PENSACOLA UIC 00204

REVISIONS OF 5/12/94, PAGES 37,38 & 39

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

Date 12 MAY 94

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

Command: **NAS PENSACOLA**

Data Call Number Nineteen Revisions
(Pages 5)

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

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

CNET
Title

6/10/94
Date

CNET
Activity

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

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

J. B. GREENE, JR.
NAME

Signature

ACTING
Title

6/20/94
Date

Encl (2)

BRAC-95 DATA CALL 19
NAS PENSACOLA UIC 00204

CNATRA REVISIONS OF 6/7/94, PAGE 5

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
~~W. B. HAYDEN, RADM, USN~~
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

Date 7 JUN 94

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

228

Command: **NAS Pensacola**

Data Call Number Nineteen (Revision)
(Pages 3, 91a, 91b, 91d-91e(1))

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

Signature

CNET
Title

8-19-94
Date

CNET
Activity

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

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

J. B. GREENE, JR.
NAME

Signature

ACTING
Title

22 AUG 1994
Date

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M.C. VOHT CAPT USN
NAME (Please type or print)

COMMANDER
Title

TRAINING AIR WING SIX
Activity

Signature

8/8/94
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)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Chief of Naval Air Training
Title

Naval Air Training Command
Activity

Signature

9 Aug 94
Date

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Title

Activity

Signature

Date

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

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

NAME (Please type or print)

Title

Signature

Date

AMENDMENT TO BRAC-95 DATA CALL NUMBER 19 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."

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

04 AUG 1994
Date

NAVAL AIR STATION PENSACOLA
Activity

BRAC-95 DATA CALL 19
NAS Pensacola UIC 00204
Station Revision of 8/11/94 Pgs. ~~91a-f~~ 91a, 91b, 91d-f

AMENDMENT TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

Signature

Commander
Title

11 Aug 94
Date

Training Air Wing SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

15 Aug 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

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Reference: SECNAVNOTE 11000 of 08 December 1993

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ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

11 AUG 94
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
91-a R (8/11/94)
91-b R (8/11/94)
91-d R (8/11/94)
91-e R (8/11/94)
91-f R (8/11/94)

ANSWER TO CNATRA FACSIMILE OF 5 AUG 94

Question: Yes or no, can you load munitions on training aircraft at your installation?

Answer: Yes, Naval Air Station Pensacola can load munitions on training aircraft.

Encl (1)

228

Command: **NAS Pensacola**

Data Call Number Nineteen
(Answers to BSAT Questions)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

Signature

CNET
Title

8-19-94
Date

CNET
Activity

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

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

J. B. GREENE, JR.
NAME

Signature

ACTING
Title

22 AUG 1994
Date

Encl (6)

BRAC-95
NAS Pensacola UIC 00204 Capability to load munitions

BRAC-95 DATA CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT
NAME (Please type or print)

Signature

Commander
Title

8/8/94
Date

Training Air Wing SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

15 Aug 94
Date

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

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ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

5 AUG 1994
Date

COMMANDING OFFICER
Title

NAVAL AIR STATION PENSACOLA
Activity

228

Command: **NAS Pensacola**

Data Call Number Nineteen Revisions
(Pages 34, 34-a, 35, 35-a, 35-b, 49, 77, 77-a, and 82)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

PE Tobin
Signature

Acting
Title

06 SEP 1994
Date

CNET
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

W A Earner
Signature

Title

9/8/94
Date

NAS PENSACOLA UIC 00204
STATION REVISIONS OF 8/19/94, PGS 34,34A,35,35A,35B,49,77,77A & 82

REVISION TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, USN
NAME (Please type or print)

Signature

Commander
Title

8/22/94
Date

Training Air Wing SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

24 AUG 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

REVISION TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

19 AUG 1994
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
34 R (8/19/94)
34-a R (8/19/94)
35 R (8/19/94)
35-a R (8/19/94)
35-b R (8/19/94)
49 ~~39~~ R (8/19/94)
77 R (8/19/94)
77-a R (8/19/94)
82 R (8/19/94)

228

R

Command: **NAS Pensacola**

Data Call Number Nineteen Revision
(Page 38)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

Signature

CNET
Title

9-23-94
Date

CNET
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

Signature

Title

10/5/94
Date

Encl (3

BRAC 95 DATA CALL 19
NAS PENSACOLA UIC 00204

CNATRA REVISION OF 9/9/94, PG 38

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

Date 12 SEP 94

Naval Air Training Command
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

Command: **NAS Pensacola**

Data Call Number Nineteen Revision
(Page 32)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

Signature

Acting
Title

10/12/94
Date

CNET
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

Signature

Title

10/21/94
Date

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, U. S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

9/26/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

6 Oct 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M. C. VOGT, CAPT, U. S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

9/26/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

AMENDMENT TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

9/23/94
Date

NAVAL AIR STATION PENSACOLA
Activity

Pages:
32 R (9/23/94)

Command: **NAS Pensacola**

Data Call Number Nineteen Revision
(Page 58)

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

MAJOR CLAIMANT LEVEL

J. D. ANDERSON
NAME

Signature

Acting
Title

9/30/94
Date

CNET
Activity

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

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

P. W. DRENNON
NAME

Signature

Acting
Title

12 OCT 1994
Date

REVISION TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

M.C. VOGT, CAPT USN
NAME (Please type or print)

Signature

COMMANDER
Title

9/8/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

19SEP94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

REVISION TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

9/7/94
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
58 (9/7/94)

Command: **NAS Pensacola**

Data Call Number Nineteen Revisions
(Pages 83, 90, 93, 93(a), 93(b), and 94)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

PETH
Signature

Acting
Title

9 IET 10/6/94
Date

CNET
Activity

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

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

P.W. DRENNON
NAME

Signature

Acting
Title

12 OCT 1994
Date

NAS PENSACOLA UIC 00204
STATION REVISIONS OF 9/12/94, PAGES 83,90 & 93

REVISION TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

MICHAEL C. VOGT, CAPT, U. S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

9/21/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

30Oct94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

REVISION TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

9/16/94
Date

NAVAL AIR STATION PENSACOLA
Activity

PAGES:
83 R (9/12/94)
90 R (9/12/94)
93 R (9/12/94)

Command: **NAS Pensacola**

Data Call Number Nineteen Revisions
(Pages 81 and 82)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

PETobin
Signature

Acting
Title

10/20/94
Date

CNET
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

WAEarner
Signature

Title

11/9/94
Date

BRAC 95 DATA CALL 19
NAS PENSACOLA UIC 00204
STATION REV OF 10/18/94 OF PGS 81 & 82

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

MICHAEL C. VOGT, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

10/19/94
Date

TRAINING AIR WING SIX
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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

25 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

AMENDMENT TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

18 OCT 1994

COMMANDING OFFICER
Title

Date

NAVAL AIR STATION PENSACOLA
Activity

Pages:
81 R (10/18/94)
82 R (10/18/94)

Command: **NAS Pensacola**

Data Call Number Nineteen Revisions
(Pages 10-26, 77, 80, and 80-a)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN
NAME

Signature

Acting
Title

11/7/94
Date

CNET
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

Signature

Title

11/15/94
Date

BRAC 95 DATA CALL 19
NAS PENSACOLA UIC 00204
STATION REV OF 10/19/94 PGS 77, 80, 80a

BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

MICHAEL C. VOGT, CAPT, U. S. NAVY
NAME (Please type or print)

Signature

COMMANDER
Title

10/21/94
Date

TRAINING AIR WING SIX
Activity

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

27 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

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

NAME (Please type or print)

Signature

Title

Date

BRAC 95 DATA CALL 19
NAS PENSACOLA UIC 00204
CNATRA REV OF 10/26/94 PGS 10 THROUGH 26

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

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

WBHayden
Signature

CHIEF OF NAVAL AIR TRAINING
Title

27 OCT 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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

AMENDMENT TO BRAC-95 DATA CALL NUMBER 19 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

ACTIVITY COMMANDER

TIMOTHY THOMSON, CAPT, U.S. NAVY
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

10/20/94
Date

NAVAL AIR STATION PENSACOLA
Activity

Pages:
77 R (10/19/94)
80 R (10/19/94)
80-a R (10/19/94)

DEPARTMENT OF THE NAVY
CHIEF OF NAVAL EDUCATION AND TRAINING
250 DALLAS ST
PENSACOLA FLORIDA 32508-5220

228

11000
Ser 00R/034
10 Feb 95

From: Chief of Naval Education and Training
To: Chief of Naval Operations (N44)

Subj: FY 1995 BASE REALIGNMENT AND CLOSURE (BRAC) DATA CALL NUMBER NINETEEN

Ref: (a) CNET ltr 11000 Ser 00R/178 of 13 May 94

Encl: (1) Revised Page - NAS Pensacola

1. Reference (a) certified and forwarded the original activity certification to CNO (N44). Enclosure (1) contains a revised page which should be incorporated into enclosure (5) of reference (a).

C. R. GIMBEL
By direction

Command: **NAS Pensacola**

Data Call Number Nineteen Revision
(Page 77AR)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

T W Wright
Signature

CNET
Title

2/10/95
Date

CNET
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

W A Earner
Signature

Title

2/17/95
Date

Document Separator

228

DATA CALL 63
FAMILY HOUSING DATA

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

Installation Name:	NAS Pensacola
Unit Identification Code (UIC):	N00204
Major Claimant:	CNET

Percentage Of Military Families Living on-Base:	30.9
Number of Vacant Officer Housing Units:	0
Number of Vacant Enlisted Housing Units:	0
Fy 1996 Family Housing Budget ($000):	$452
Total Number of Officer Housing Units:	3
Total Number of Enlisted Housing Units:	68

NOTE: Closure of this UIC may not result in closure of all housing units.

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.

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)

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)

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."

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

ACTIVITY COMMANDER

J. R. REVER
NAME (Please type of print)

Signature

CAPT. CEC, USN
COMMANDING OFFICER
Title

27 June 1994
Date

SOUTHNAVFACENGCOM
Activity

Enclosure (1)

BRAC-95 CERTIFICATION

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

YVONNE O. SPRING
NAME (Please type or print)

Yvonne O Spring
Signature

Housing Management Specialist
Title

27 June 1994
Date

Housing Division
Division

Facilities Management Dept.
Department

SOUTHNAVFACENGCON
Activity

Enclosure (1)

Document Separator

RESPONSE TO CAPTAIN BUZZELL INQUIRIES

Numbers reflect student input for FY99

	PRIMARY	INT E2/C2	INT MAR	INT HELO	ADV MAR
USN	585	40	151	210	124
USMC	328	0	30	184	29
CG	38	0	0	38	0
FMS	140	0	45	65	45
NOAA	2	0	2	0	2
USAF	100	0	0	0	151
SUBTOTAL	1193	40	228	497	351
Other students trained at USAF that are not included above					
USN	70	0	0	0	25
USMC	30	0	0	0	0
TOTAL	1293	40	228	497	376

Command: **CNET**

Response to Captain Buzzell Inquiries
(Primary Pilot, Intermediate E2/C2, Intermediate Maritime, and Intermediate Helicopter)

(Page 4/4)

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

MAJOR CLAIMANT LEVEL

P. E. TOBIN	PE Tobin
NAME	Signature
Acting	12/28/94
Title	Date
CNET	
Activity	

BRAC 95 DATA CALL
REPLY TO CAPT BUZELL'S LETTER
OF 28 NOV 94, SUBJ: CLARIFICATION
AND UPDATE OF PILOT TRAINING RATES

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

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

P R Statskey
Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

23 DEC 94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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)

W B Earner
Signature

Title

12/29/94
Date

Clarification to Joint Military Value and Capacity Analysis Data Calls
27 Aug 94

Please clarify the following questions:

1. (AETC/CNATRA) Capacity Analysis, Mission Requirements, Para E, Question 2. Please fill out the following chart with regard to training airframes:

AIRCRAFT	(1) UTILIZATION RATE (SORTIES/MONTH)	PAA FOR THE COMMAND (2)	TOTAL AIRCRAFT IN THE COMMAND INVENTORY (2)
T-34 (FY 94)	30	32	35
T-34 (FY 01)	30	70	* 76
T-37 (FY 94)			
T-37 (FY 01)			
JPATS (TOTAL BUY)	Unknown	**	** 339
T-1 (FY 94)			
T-1 (FY 01)			
T-38 (FY 94)			
T-38 (FY 01)			
AT-38 (FY 94)			
AT-38 (FY 01)			
T-3 (FY 94)			
T-3 (FY 01)			
T-2 (FY 94)	37	14	21
T-2 (FY 01)	37	19	20
TA-4 (FY 94)			
TA-4 (FY 01)			
T-44 (FY 94)			
T-44 (FY 01)			
T-45 (FY 94)			
T-45 (FY 01) (TOTAL BUY)			

Note: 1. Based on peactime planning factors.
2. PAA, Total ACFT inventory and distribution is a moving target based upon PTR decisions and other factors at various echelon levels.

* Reflects updated data (as to info provided in data call #19 mission RQMNTS, Para E., Ques #1) Based upon current PTR projection for CTW-6 in FY2001. Increased ACFT RQMNTS based upon anticipated higher PTR in support of future Joint Training Requirements.

Note: Current CNATRA T-34 Total Inventory = 255. Projected FY2001 Total Inventory = 269. 41 T-34C ACFT at AMARC (Inactive Reserve Status) are available if required.

** Current planned JPATS Total Buy for CNATRA - Initial deliveries are scheduled for NAS Whiting Field in FY2002.

Command: **CNATRA**

Data Call Number Nineteen Amendment One
(Addendum Pages - Clarification of Joint Military Value and Capacity Analysis)

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

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

Signature

14 OCT 1994
Date

CNET
Title

CNET
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

Signature

Title

10/21/94
Date

RESPONSE FOR NATRACOM STATIONS TO:
BRAC 95: CLARIFICATION TO JOINT MILITARY VALUE AND CAPACITY ANALYSIS
DATA CALLS, DTD 27 AUG 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)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

9-29-94
Date

NAVAL AIR TRAINING COMMAND
Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

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