DCN 179

Williams ERT Consortium Campus Master Plan Development Program

Williams Redevelopment Partnership
ERT Consortium Campus Steering Committee

1 December 1994

HOK, Inc.
The Communications Center
Mosler Security
Frank Redmond Associates

Table of Contents

Project Overview ..... **iii**
Planning Approach ..... **iv**
Programming Worksesions ..... **v**
Mission Statement ..... **vi**
Executive Summary/
Report Organization ..... **vi**

Goals **1.1**
Function 1.2
Form 1.4
Economy 1.5
Time 1.5

Facts **2.1**
Arizona State University 2.3
Maricopa County Community
College District 2.5
University of North Dakota 2.6
Maricopa County Regional Schools 2.7
Armstong Laboratories 2.8
Embry-Riddle Aeronautical University 2.9
Vetran's Health Administration 2.9
A.L.E.O.A.C. 2.10
Project Challenge 2.10
Planned Moves 2.11
Housing 2.12
Infrastructure 2.13
Telecommunications 2.13
Existing Building Space Inventory 2.14
Existing Facilities 2.17
Public Benefit Application Plan 2.21

Concepts 3.1
Image 3.2
Unique Aspects 3.3
Analogies & Metaphors 3.3
Joint Use Opportunities 3.4
Individual Facilities 3.5
Future Needs 3.5
Transportation 3.6
Telecommunications 3.6
Teaching Facilities 3.7
Infrastructure 3.8
Housing 3.9

Needs 4.1
Short Term Space Requirements 4.3
Long Term Space Requirements 4.4
Short Term Comparative Analysis 4.5
Long Term Comparative Analysis 4.6

Problem Statements 5.1
Conclusions 5.2
Recommendations 5.4
Problem Statements 5.8

Development Program Executive Summary

Project Overview

The ERT Consortium Campus Master Plan was initiated in May of 1994 to define and plan for a multi-institutional campus at Williams Air Force Base. The Williams Air Force Base Economic Reuse Plan, August 1992, gave initial direction for the creation of the campus as an education, research, and training forum. The campus would capitalize upon the existing facilities and assets of the closed base and take advantage of public conveyance of property documented in the Record of Decision issued from the Air Force. The actual definition and qualification of the campus as well as any strategies regarding reuse, cooperative agreements for operation, and designated land use, was yet to be resolved.

Main member institutions were identified prior to initiation of the master plan to include:

- Arizona State University
- Maricopa County Community College District

with an association of other education or training members including:

- University of North Dakota
- Maricopa County Regional School District
- Armstrong Laboratory
- Embry-Riddle University
- Lewis University (currently withdrawn)
- East Valley High School
- Project Challenge
- ALEOAC
- Veterans Administration

Planning Approach

The BRW / HOK team tasked with development of the campus master plan, designed their approach into two distinct phases: Analysis and Synthesis.

The initial phase included a period of thorough analysis, investigation, and inquiry to properly define the planning parameters and the development requirements of the new campus. This included a projection of long-term and short-term facilities requirements. The team utilized the Problem Seeking methodology in the preparation and facilitation of programming worksessions. The final product of these efforts, the *Vision Statement* and the *ERT Consortium Campus Master Plan Development Program* provided the member institutions and the planning consultants with an agreed basis for the creation of planning solutions.

Programming Worksessions

The programming phase of the planning process required an analysis and evaluation of patterns for the ERT Consortium's member institutions and their constituents, programs, and services. Given the number and variety of the consortium members, the questionnaire / interview process was utilized to solicit specific information regarding *goals*, *facts*, *concepts*, and *needs*. These categories provided the information framework from which this document is organized.

Interviews with the member institutions were held first in May concerning the development of the Vision Statement, and then in July concerning the specific development program. Consortium members were invited to attend and bring all stakeholders for proposed programs and existing programs which would be resident on the Williams campus.

From these interviews detailed space requirements were determined and recorded for specific departments and programs within each institution. This information was then carefully organized into space type including: office, office support, classroom, laboratory, laboratory support / shops, support services, warehouse, special / community, and residential.

Members were requested to provide both short-term and long-term projections regarding programs for the new campus. In the absence of member provided long-term projections, the planning team applied industry standards from similar scale and size campus planning efforts.

Mission Statement

The following Executive Summary is derived from the efforts related to the Vision Session and Programming Worksessions. The ERT Steering Committee has developed an official Mission Statement which is recorded as follows:

> *To promote education, research and training through a partnership composed of ASU, MCCCD and other public and private institutions, and organizations at Williams.*
>
> *The focus upon educational-based programs provides unique partnership opportunities with the Williams Gateway Airport, regional businesses, industry and the surrounding community as they also pursue economic development for the area.*
>
> *The "Williams' Campus," a unique cooperative venture among prominent institutions, aims to be a world class environment for education, research and training for our technological future.*

Executive Summary Report Organization

With similarity to the source document, *ERT Consortium Campus Master Plan Development Program*, the Executive Summary is organized into five sub categories: **Goals**, **Facts**, **Concepts**, **Needs**, and **Problem Statements**. Each category may be divided further into topics of concern and in the case of Goals and Problem Statements, these subtopics are: *function, form, economy, and time.*

For detailed information and a complete record of the programming process, please reference the *ERT Consortium Campus Master Plan Program.*

Goals

Function	
People	Project Missions Values
Activities	Performance New Methods Security Progression
Relationships	Efficiency Communication
Form	
Site	Image Future Land Use Benefits to Community
Environment	Identity Desired Aesthetic Quality Levels
Quality	Physical Comfort Life Safety
Economy	
Budgets	Existing Funds Funding Sources
Projected Costs	Return on investment Cost Effectiveness Cost reduction
Time	
Past	Historic Preservation Static Activities
Present	Phasing Dynamic Activities Growth
Future	Change

Fig. 1.1 Information Index for Goals.

Goals indicate what the client wants to achieve for the project, and why. There is a direct relationship between goals and concepts. If goals indicate what the project wants to achieve, concepts indicate how the project should achieve them. The Information Index for goals (left) Includes key words used to trigger the formation of client objectives.

These goals were gathered from worksessions with the ERT Steering Committee, interviews with the user groups, completed questionnaires and other client provided data

Goals

Function
People, Activities, Relationships

To meet the needs of the **"Total Education Community"**

To make **collaborative efforts** among consortium members the **highest priority.**

To come together on **telecommunication issues.**

To provide proper **utilization** of existing **housing.**

To have successful **program** and **facility management.**

To strive for **public – private partnerships** (Lufthansa, etc.)

To develop and implement a "strongly agreed upon **organizational program"**

To place a high **priority on:**
- **parking**
- **circulation**
- **handicap accessibility**
- **servicing**

To make **R&D** a major part of the educational activities where possible.

To make **R&D equipment** available for educators and training where possible.

To permit **Armstrong Lab Personnel** to utilize **amenities** of the campus" (gym, ball fields, track, library, dining, swim pools, etc.)

To reach **enrollment projections.**

To provide **programs** that meet **community needs** and expectations.

To **emphasize service** to students.

Goals

Function
(Continued)

To provide a **fully integrated telecommunication system** for ERT campus, including voice, data, and video systems.

To implement a more **centralized system** for facilities operations:

- central plant
- automation and controls
- utilities
- energy conservation
- mechanical systems

To bring **utilities delivery systems** up to meet modern **codes.**

To provide **remote storage** for library collections.

To support **continuing distance education** where and when the user requires it.

- To **interface** with any **aviation R&D** activities on campus.
- To offer **work opportunities** to students and graduates.

To provide a plan that **minimizes conflicting uses**

To provide space for **field research** in **agriculture** and **environmental technologies / hazardous waste management**

To recognize that Williams A.F.B. is suited particularly for education programs in support of **international aviation education**

To diminish any academic need for students to **travel between campuses.**

Goals

Form
Site, Environment, Quality

To create a **flexible** land use plan with **strong location / design / space guidelines.**

Priorities:
- well defined landscape areas
- screening of parking
- coordinated building design
- safe pedestrian access
- separate bicycle facilities

Priorities:
- well defined academic areas
- strong central activity area with centralized student services

To **capitalize** on the **residential areas** to attract **married students.**

To have a sense of **connectedness** among all the parts of the campus

To **balance** inter-institutional **connectedness** with institutional **identity**

To **maximize** the **utility** of a facility and **minimize use of resources** through a single **joint use library**

To create a sense of **campus community.**

To **maintain critical linkages** to resources of the main campus.

To communicate a **distinct identity** focusing on technology and **aviation**

To provide an **identifiable ASU area** with a **scale** similar to ASU **main** and ASU west

To create a **design vision** for the campus that is **stimulating** to faculty and students

Goals

Form
(Continued)

To **maintain** the **physical connection** between the ERT campus and the flight line (avoid barrier roads)

To address and plan for **bicycle** vs. **pedestrian** conflict avoidance during the early planning stages of ERT campus.

To develop an **enduring / easily remembered name.**

Economy
Initial Budget, Operating Budget, Life Cycle Costs

To implement a **cost - efficient** operation.

To pursue **leasing** arrangements that reduce **start-up risks** for individual ERT members.

Time
Past, Present, Future

To focus on a **near term** occupancy plan.

Facts

Function	
People	Statistics Parameters Characteristics
Activities	Established Missions Organization Time / Motion Traffic
Relationships	Existing Adjacencies
Form	
Site	Site Analysis Climate Entry symbols
Environment	Efficiency Existing Facilities Topography
Quality	Historical Reference Context
Economy	
Budgets	Economic Analysis Cost Parameters Market Analysis
Projected Costs	Projected Revenues Replacement Costs
Time	
Past	Historic Significance Lessons Learned
Present	Durations Projections
Future	Escalation Factors

Fig. 2.1 Information Index for facts.

Facts are important objective realities or accepted assumptions used as background data to test Concepts, calculate Needs and achieve Goals during the program development phase of this project. The Information Index for Facts (left) includes key words, organized in a framework and used as a check-list to gather factual information.

The Facts in this section are key givens and assumptions that will have a significant impact on the shape and success of the plan. For a comprehensive collection of all Facts gathered, refer to the ERT Consortium Campus Master Plan Development Program document.

These facts were gathered from interviews with the user groups, completed questionnaires and other client provided data, drawings and construction documents, field verification studies, and during individual program analysis worksessions.

Facts

Educational Programs

The ERT Campus will be able to accommodate a diverse and comprehensive assemblage of educational programs (some programs not shown).

Example Educational Programs
Aeronautical Technology
Electronics & Computer Technology
Manufacturing & Industrial Technology
Agribusiness
Extended Education
Fire Science Technology
Aviation Technology
Liberal Arts & Sciences
Hazardous Waste
Law Enforcement

Fig. 2.2 Educational Programs

Enrollment

The ERT Campus will support an optimum headcount of 30,000 students in the Long Term Plan.

Enrollment Projections	Short Term	Long Term
ASU School of Technology	1,400	4,300
ASU School of Agribusiness	490	600
Other ASU Programs at Williams	2,510	15,100
Chandler - Gilbert	600	1,900
Other MCCCD programs at Williams	5,000	8,100
Totals	**10,000**	**30,000**

Fig. 2.3 Enrollment

Facts

Arizona State University

School of Technology Mission Statement:
To provide students with the opportunity to obtain a quality education in technology and to directly qualify them for positions of leadership and responsibility in industrial, commercial, educational and governmental activities.

The Program of study provides opportunities to earn degrees at both the baccalaureate and masters levels, that stress theory reinforced by laboratory application as well as industrial management.

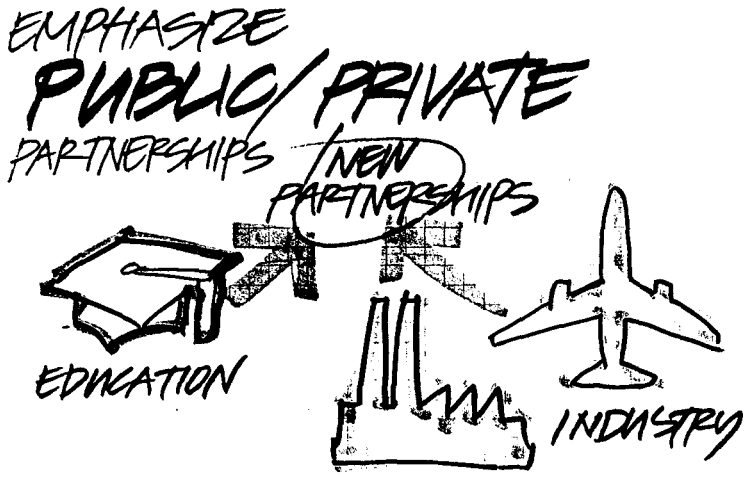


Fig. 2.4 ASU School of Technology.

Facts

Arizona State University

School of Agribusiness Mission Statement:
To have a focus on International Training and student enrollment at the undergraduate and graduate levels, offering Bachelor of Science and Masters of Science degrees in Agribusiness.

The program must serve Arizona and the East Valley first, increasingly addressing the global needs of Arizona and the national industry, while enhancing other efforts of ASU faculty at ERT and other campuses.

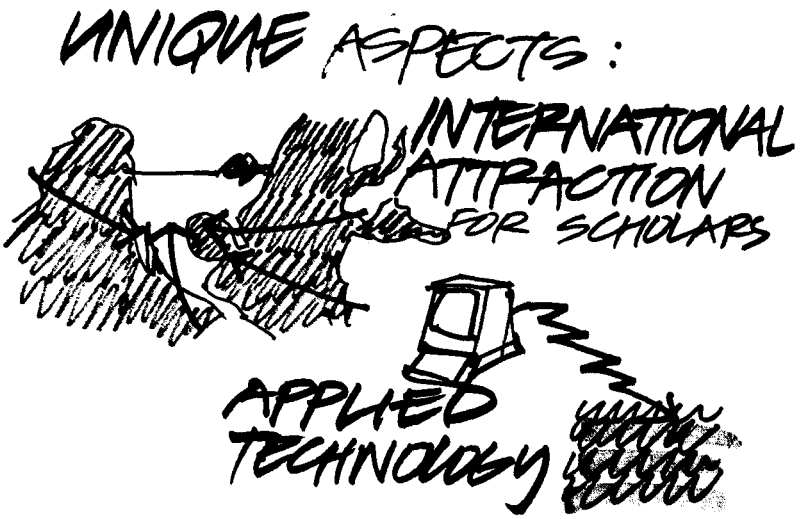


Fig. 2.5 ASU School of Agribusiness.

College of Extended Education Mission:
To meet information and institutional needs of a diverse public by providing an interactive link to the services and resources of Arizona State University.

Facts

Maricopa County Community College District

Maricopa County Community College District Campuses			
	Enrollment		Enrollment
Chandler-Gilbert	3,200	Glendale	17,400
Mesa	21,300	Estrella Mountain	1,700
Rio Salado	6,900	Phoenix	11,000
Gateway	4,300	Paradise Valley	5,300
South Mountain	2,100	Scottsdale	9,000

Fig. 2.6 MCCCD Campuses.

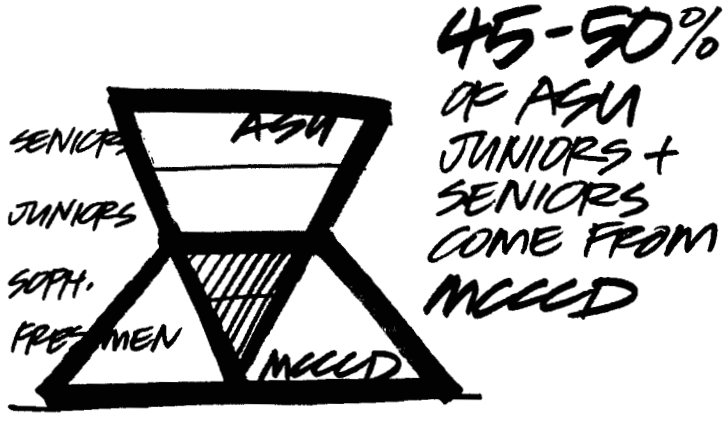


Fig. 2.7 MCCCD.

Facts

University of North Dakota

Mission Statement:
To preserve, create and disseminate knowledge and to demonstrate the principal use of knowledge for and about aerospace, meteorology and computer science.

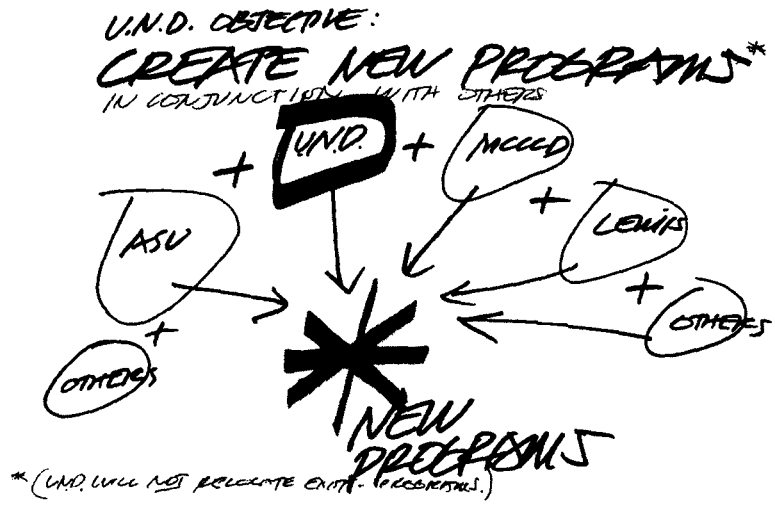


Fig. 2.8 UND New Programs.

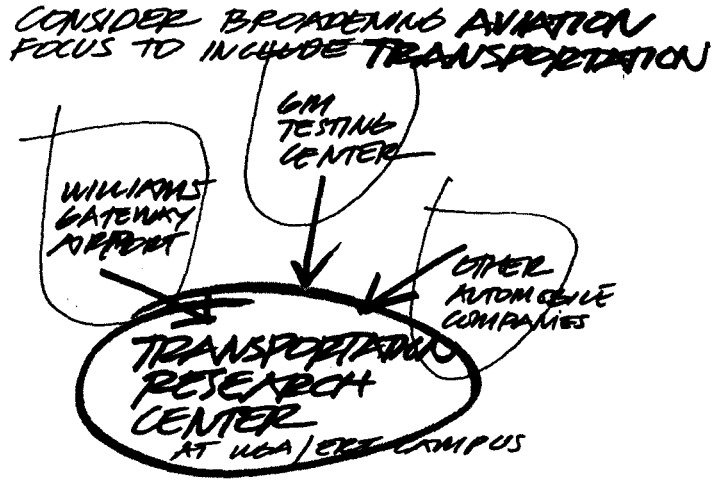


Fig. 2.9 UND / Transportation Research Center.

Facts

Maricopa County Regional Schools

Mission Statement:
To expand the high school program by instituting a math and science curriculum for resident students or day students from anywhere in the state of Arizona.

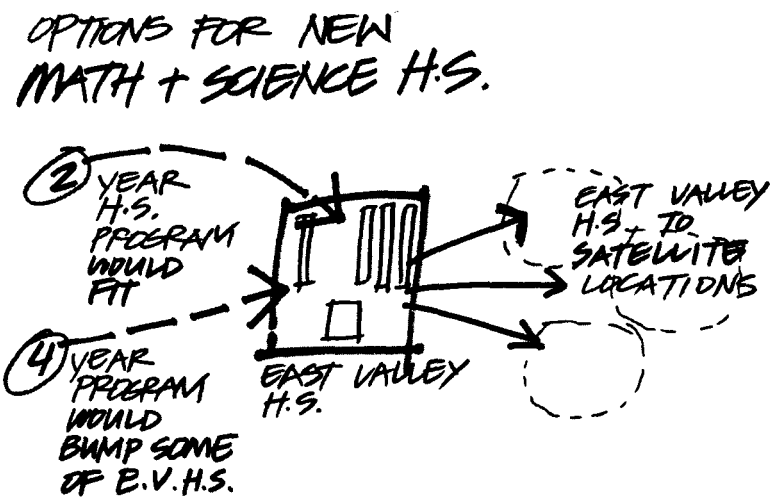


Fig. 2.11 Math and Science High School.

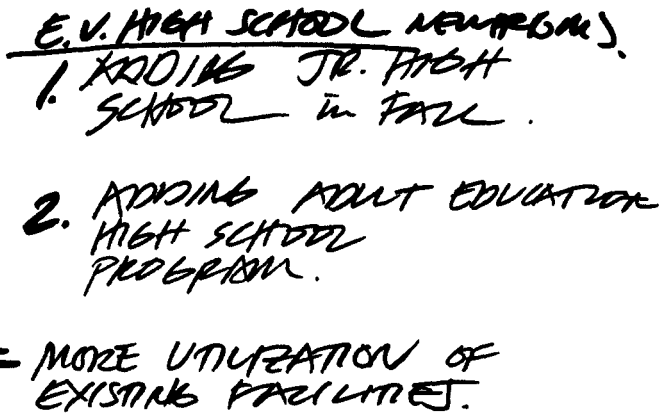


Fig. 2.12 New programs at East Valley High School.

Facts

Armstong Laboratories

Mission Statement:
To provide the U.S.A.F. and D.O.D. with innovations in aircrew training that include better training methods and technologies, while transferring expertise and technology to non-military sectors where possible.

Future Mission:
To become the primary FAA organization for aircrew training research and development.

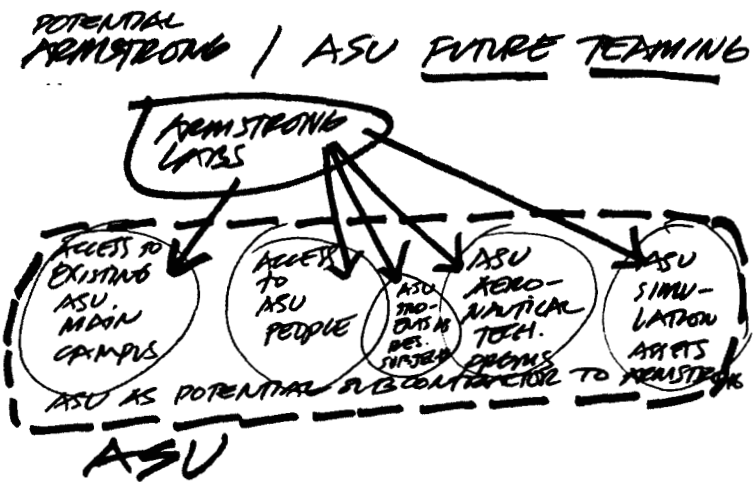


Fig. 2.13 Armstong, future teaming.

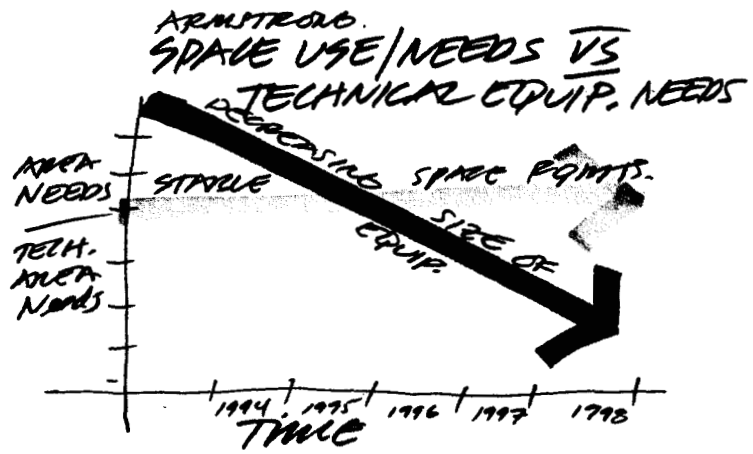


Fig. 2.14 Armstong, Space use vs. technical equipment.

Facts

Embry-Riddle Aeronautical University

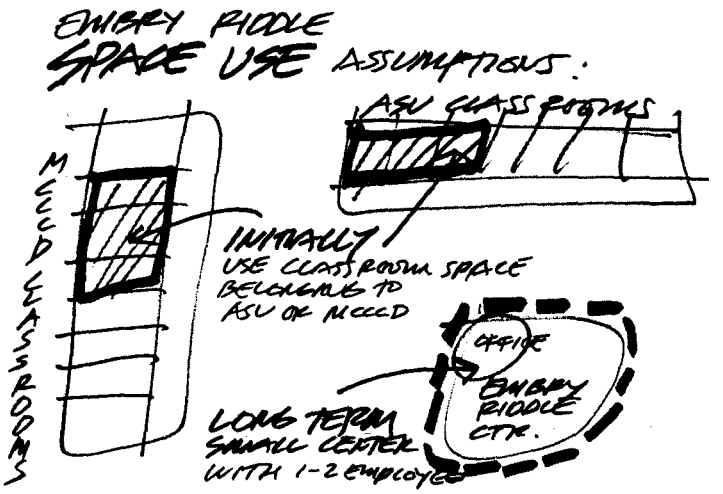


Fig. 2.15 Embry-Riddle Space Assumptions.

Veteran's Health Administration

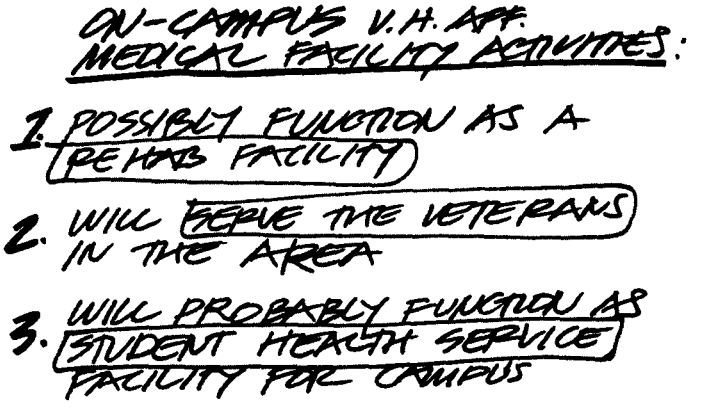


Fig. 2.16 Veteran's Health Administration on-campus activities.

Facts

A.L.E.O.A.C.

Mission Statement:
To supply a constant source of critically needed, well trained candidates from which the 145 law enforcement agencies in Arizona could hire.

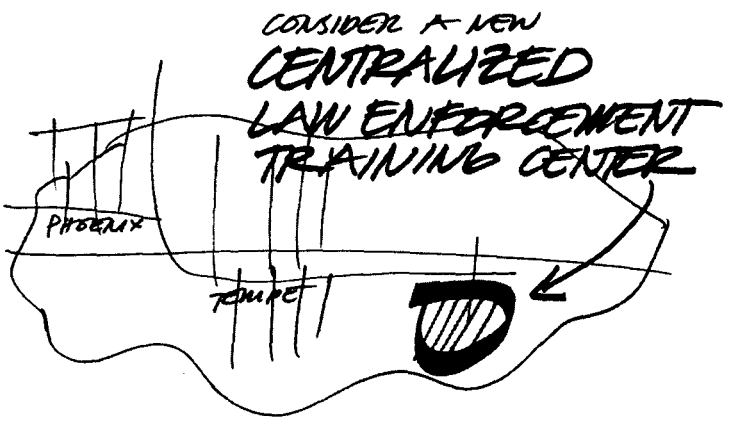


Fig. 2.17 A.L.E.O.A.C. Training Center.

Project Challenge

Mission Statement:
To provide unique educational opportunities and environments for high school drop-outs between the ages of 16 and 18.

Facts

Planned Moves

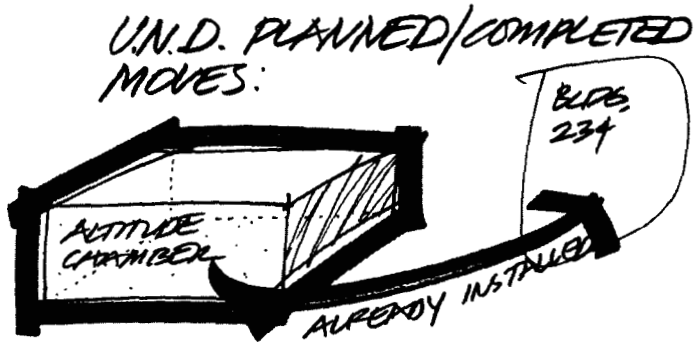


Fig. 2.18 UND & B 234.

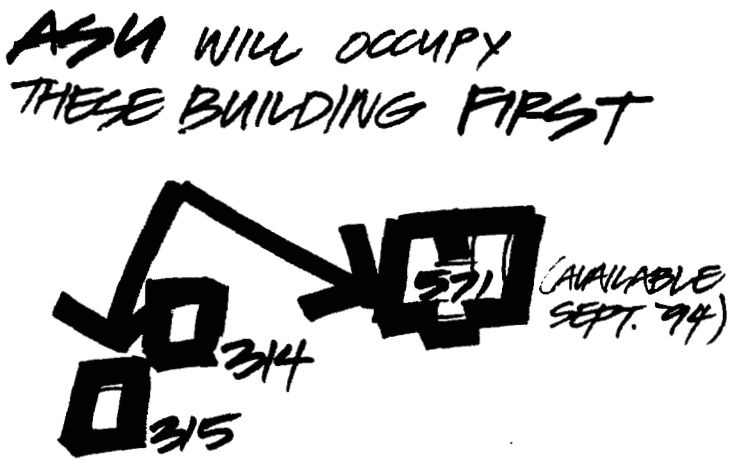


Fig. 2.19 ASU into B 314, B 315, & B 571.

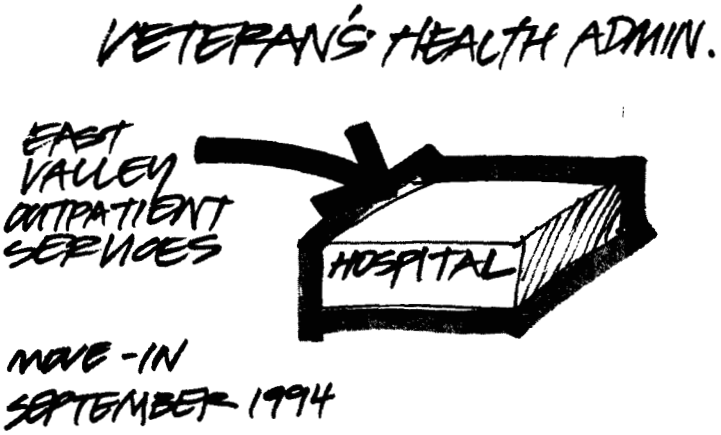


Fig. 2.20 VHA into the hospital.

Facts

Planned Moves

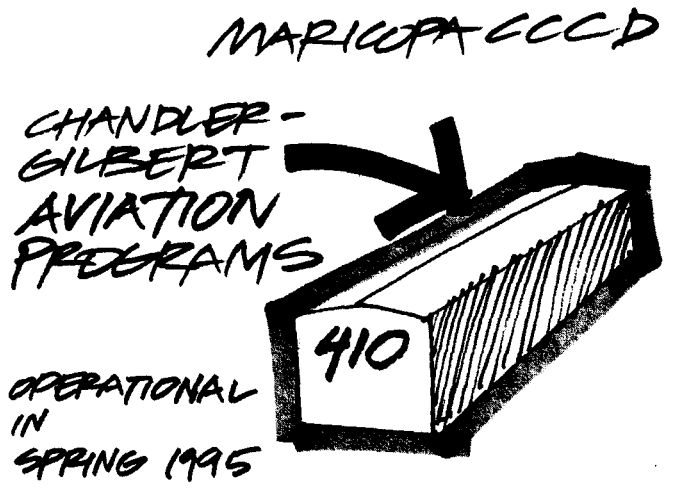


Fig. 2.21 Chandler-Gilbert into B 410.

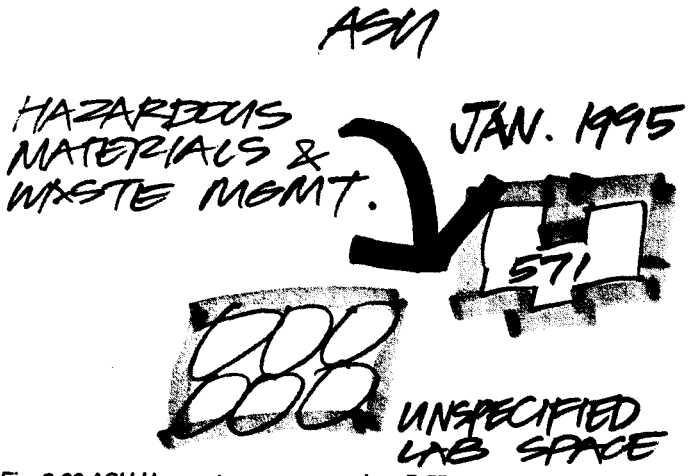


Fig. 2.22 ASU Haz-mat management into B 571.

Housing

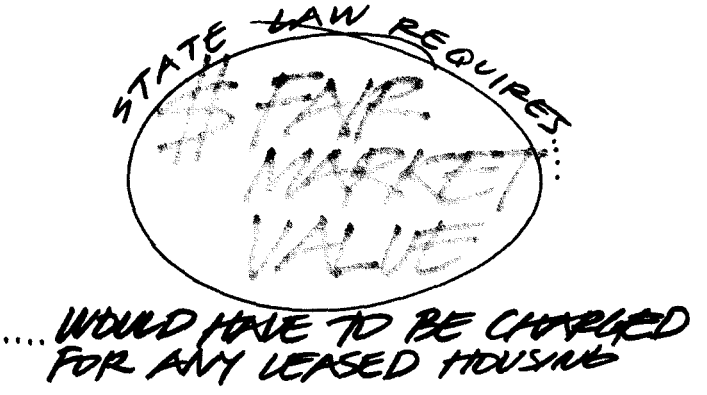


Fig. 2.23 Fair market value for base housing.

Facts

Infrastructure

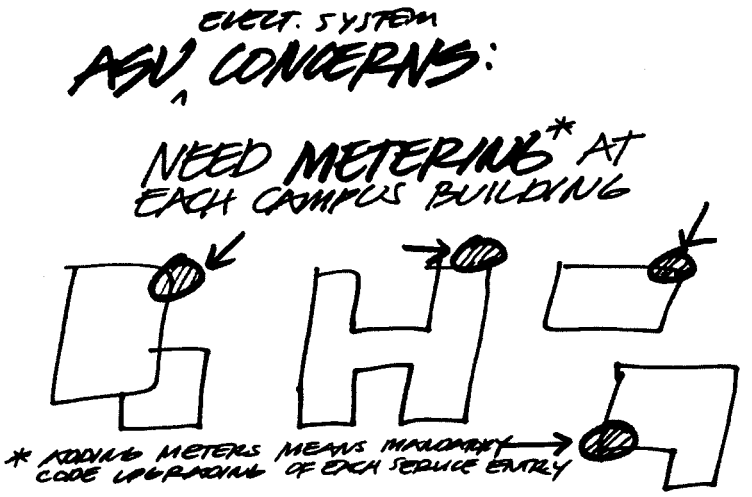


Fig. 2.24 Electrical Metering & Code Compliance.

Telecommunications

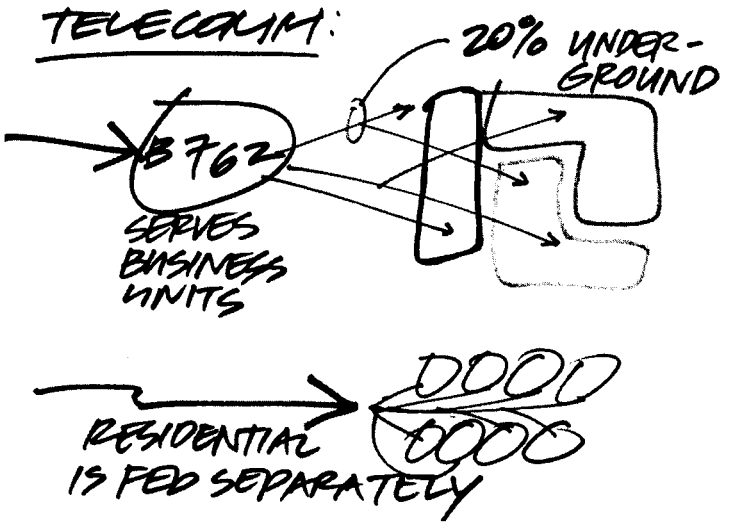


Fig. 2.25 Telecommunications B 762.

Facts

Existing Building Space Inventory

The following two pages document the existing built space within the ERT Consortium portion of Williams Air Force Base. Existing spaces are compared to space requests in the Needs section (4.0) of this document.

Building Space Inventory

Bldg. #	Building Name / #		Office	Support	Classroom	Laboratory	Shops	Support Services	Lecture/ Auditorium	Warehousing/ Storage	Community Facilities	Residential		Building Support
												Dorms	DU	
1	Wing HQ #1	9,247	6,325											2,922
4CF	Base Administration	50,000	24,544	10,824	1,024									13,608
6	Base Bank #6	2,186								126	1,508			552
7	Family Housing Management	1,882	596								893			393
9	Vacant #9	20,069												
11	Base Library #11	3,731	326		3,128									277
85	Retiree Affairs #85	640	640											
88	Base Chapel #88	16,142	864		4,048			1,608			5,494			4,128
101	Child Care Center	10,678		1,250	6,000					600				2,828
102	S. P. Operations #102	661								640				21
104	Youth Center #104	5,878	150						1,386		1,026			3,316
230	Family Support Center #230	2,856	881						544					1,431
231	Medical Command / Admin. #231	2,856	1,002						544					1,310
232	Pharmacy #232	2,990	132			528		420						1,910
233	AF Clinic	2,856	881						544					1,431
234	Physiological Training #234	9,895	1,331		2,350		527		3,093	513				2,081
237	Base Hospital #237	87,061						3,992		1,290	80,329			1,450
239	Medical Materials Storage #239	4,089								3,445				644
241	Flight Surgical Clinic #241	3,683	1,829			719								1,135
300	Officers' Open Mess #300	24,614							4,260	575	8,732			11,047
314	Law Center #314	2,831	1,846											985
315	Court Room / ADC Facility #315	2,758	1,054		1,088									616
319	AAFES Shoppette #319	4,665	99				1,056			390	153			2,967
320	Officers' Open Bar #320	8,153	2,496		2,891									2,766
321	MWR / Billeting / OSI	6,629								1,800		3,864		965
322	HQ Group #322	8,152										7,047		1,105
323	Base Contracting Office #323	8,607	2,976	876				3,424	1,091	240				
324	Visiting Officers Quarters #324	18,897						6,609				12,288		
326	Visiting Officers Quarters #326	4,320						672				3,072		576
334	Officer's Quarters #334	18,107										16,000		2,107
339	Bathhouse #339	1,565						1,280		285				
344	Officer's Quarters #344	18,107										16,000		2,107
349	DA Facility #349	2,380	390							1,258				732
350	Base Publications & Distribution	4,092	519		285					2,684				604
351	Base Reproduction #351	2,520		326			1,218			473				503
354	Officer's Quarters #354	18,107										16,000		2,107
390	Bowling Center #390	10,543								450	8,120			1,973
410	Base Supply #410	92,866	23,366		24,000	24,000				21,500				
411	Base Supply Storage #411	1,800								1,800				
412	Base Supply Storage #412	800								800				
413	Base Supply Storage #413	1,605								1,605				
415	Base Supply Storage #415	2,400								2,400				
416	Base Supply Storage #416	100								100				
425	Flight Simulation Training	79,200				51,072								28,128
426	Parachute & Dinghy Shop	6,383	215				2,127			2,968				1,073
470	Gymnasium #470	23,118	540					5,440		653	16,485			
477	Base Ground & Flight Safety	10,280			7,127	563								2,591
480	Visual Information Learning	10,024			6,589									3,435
481	Education Office #481	8,353	595	5,041		608								2,109

Building Space Inventory

Bldg. #	Building Name / #		Office	Support	Classroom	Laboratory	Shops	Support Services	Lecture/ Auditorium	Warehousing/ Storage	Community Facilities	Residential Dorms	Residential DU	Building Support
502	Pool Bathhouse #502	2,662						1,594		303				765
504	Recreation Center #504	11,520	575		392			150	4,046	704	3,646			2,007
505	NCO Mess #505	16,800	644				120		4,416	888	8,044			2,688
508	MWR Storage #508	3,596	300							2,066	1,104			126
539	Arts & Crafts Center #539	4,598	108	203		3,282				180				825
540	Thrift Shop #540	1,827	319	77						1,431				
552	Armstrong Facility #552	1,647	438							169	873			168
554	Armstrong Facility #554	1,647	438							169	873			168
558	Armstrong Facility #558	28,541	8,100			9,000								11,441
560	Armstrong Facility #560	9,600	5,047	1,407										3,146
561	Armstrong Facility #561	30,660				15,488		1,152		4,384				9,636
562	Armstrong Facility #562	3,900	396	88					140	3,006				270
564	Armstrong Facility #564	1,000								1,000				
567	Armstrong Facility #567	1,495								1,495				
570	Armstrong Facility #570	17,283			2,728	6,471	624			2,594				4,866
571	Flight Training Classroom #571	24,569	5,282	910	7,870		414	5,277		818	1,288			2,710
602	CE Administration Facility #602	19,870	441	2,094		9,616		465						7,254
632	Airman Dormitories #632	25,857										18,360		7,497
633	Airman Dormitory #633	31,218										29,070		2,148
640	Airman Dormitory #640	25,296										18,360		6,936
643	Airman Dormitory #643	22,900										22,800		100
664	Dining Hall #664	14,878								1,948	8,064			4,866
670	Airman Dormitory (Female)	29,854								1,170	960	21,810		5,914
672	Union #1776 / PME #672	25,452										20,654		4,798
726	Housing Supply & Storage #726	9,042	480					165		8,397				
735	CE Maintenance #735	13,934	1,320				6,808			2,978				2,828
753	D P I #753	7,286	1,962		3,878					112				1,334
754	Bio-Environmental #754	1,800	975			555								270
755	CE Multi-Purpose Non-AF #755	5,560	4,199							238				1,123
757	CE Pavement & Equipment Shops	4,000	400		300			400		2,463				437
760	Base Service Station #760	2,650					437			1,477				736
761	Base Cold Storage #761	3,975	108							2,602				1,265
762	Community Facility #762	7,148	4,809											2,339
768	CE Maintenance Shops #768	9,346	460		4,580					3,335	299			672
775	Temporary Lodging Support	4,349										4,349		
778	Temporary Lodging Support	4,349										4,349		
785	Base Exchange Store	49,942					35,459			14,483				
786	Base Exchange Snack Bar #786	4,890	64					1,054		400	3,084			288
787	CE Shop (PE Plumbing) #787	2,024					2,024							
788	BE Hazardous Waste Storage	7,563	996							5,563				1,004
790	AF Commissary #790	64,860	2,632					1,952		39,794	20,482			
795	Base Theatre #795	10,676						2,928	6,101	1,647				
	East Valley High School	34,769			22,600									12,169
Existing Area Totals		**1,209,438**	**114,088**	**23,096**	**100,878**	**121,902**	**50,814**	**38,582**	**26,165**	**152,408**	**171,456**	**214,023**	**1,084,000**	**210,727**
			Administration					Support	Lecture/	Warehousing/	Community	Residential		Building
			Office	Support	Classroom	Laboratory	Shops	Services	Auditorium	Storage	Facilities	Dorms	DU	Support

Facts

Existing Facilities

The re-use of Williams Air Force Base to an educational campus hinges upon a thorough understanding of the various types and physical condition of each existing facility. The life expectancy of each facility's re-use potential was evaluated and all recreation facilities and open space areas were documented. The following data was developed utilizing the Real Property Records from the base, and comprehensive site surveys.

Life Expectancy / Re-use

A visual assessment of each facility was conducted to determine the life expectancy for re-use. Four factors were used for the evaluation; type of structure, type of building material, site utilization, and overall physical appearance. Using the evaluation factors, each facility was prioritized into four categories defined below:

Long Term Re-Use
Facilities in good to excellent condition, masonry or steel structure, relatively new, single or multi-story, and with good site utilization.

Interim Re-Use
Facilities in fair to good condition, slump / concrete block or wood frame construction, generally single story and under utilized site.

Potential Demolition
Facilities beyond renovation in good to fair condition with an under utilized site.

Special Category
Facilities with unique architecture and/or historic character.

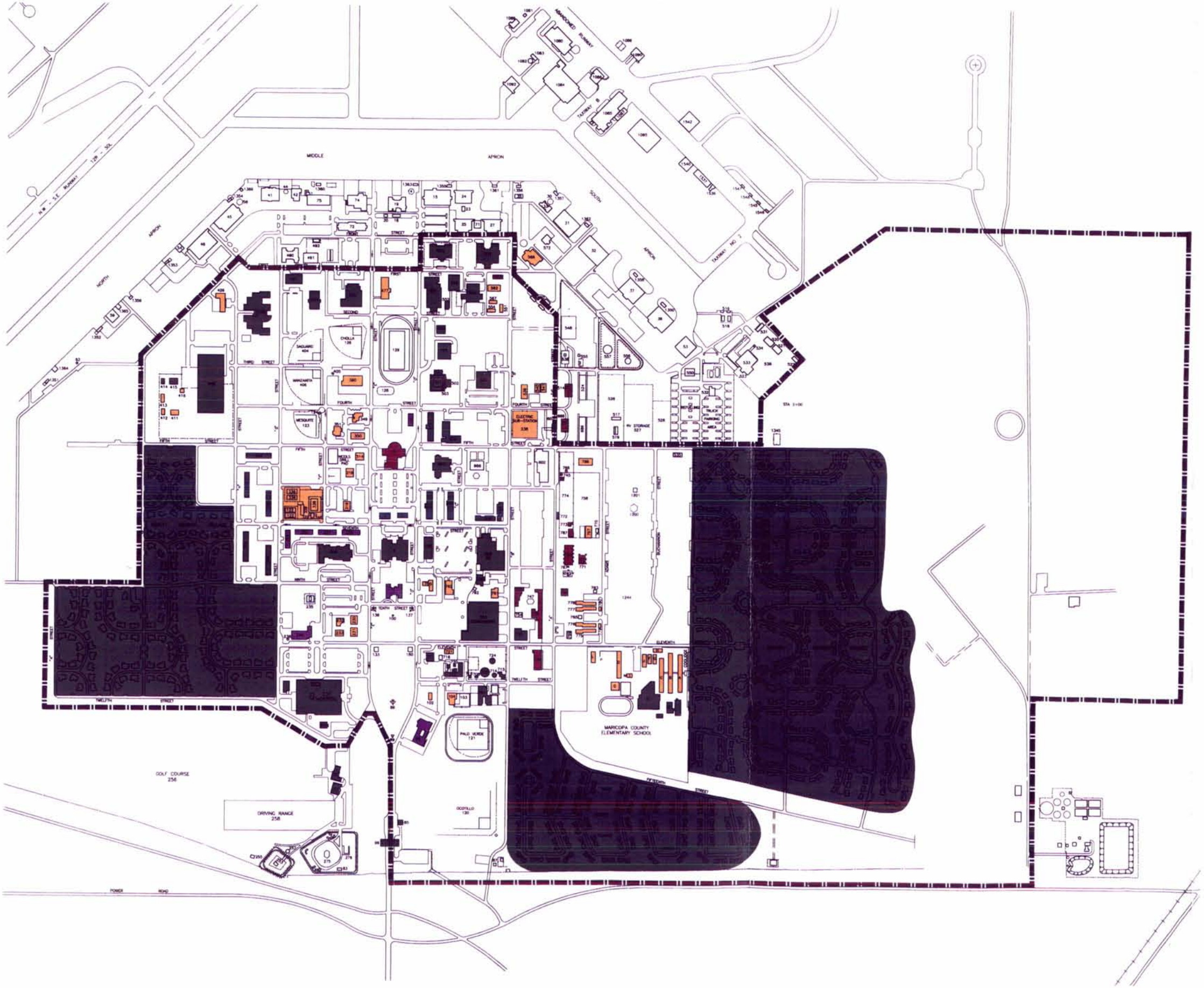
Facts

Life Expectancy/Re-Use

All residential facilities were categorized as Long Term Re-Use. Approximately 75 percent of the facilities located in the heart of the ERT boundary were categorized as Long Term Re-Use and 25 percent as Interim Re-Use. A total of 15 facilities were designated as Potential Demolition (mostly old warehouses). Only eight facilities were placed in the Special Category including: the chapel, the Veteran's Health Administration Clinic, the library, base headquarters buildings and the four dormitories to the officers club.

Recreational Facilities and Open Space

A Detailed site survey was completed documenting all recreational/open space facilities and areas. These facilities were evaluated and divided into five categories which include: playground/tot lots, open space, parks, basketball/tennis courts and recreational facilities. All playground and tot lots are located throughout the residential areas and generally the open space and park areas lie adjacent to the core residential areas. Recreational facilities are comprised of swimming pools, ballfields, racquetball courts, gymnasiums and recreational centers. The majority of the recreation facilities are centered around the "E" and Third Street locations.



Life Expectancy/Re-Use

- LONG TERM RE-USE
- INTERIM RE-USE
- POTENTIAL DEMOLITION
- SPECIAL CATEGORY
- ERT CONSORTIUM BOUNDARY

Definitions:

Long Term Re-Use - Facilities in good to excellent condition, masonry or steel structure, relatively new, single or multi-story, and with good site utilization.

Interim Re-Use - Facilities in fair to good condition, slump/concrete block or wood frame construction, generally single story and an under utilized site.

Potential Demolition - Facilities beyond renovation in poor to fair condition with an under utilized site.

Special Category - Facilities with unique architecture and/or historic character.

Source: BRW and WRP Staff Survey, July 1994

Education, Research and Training Consortium

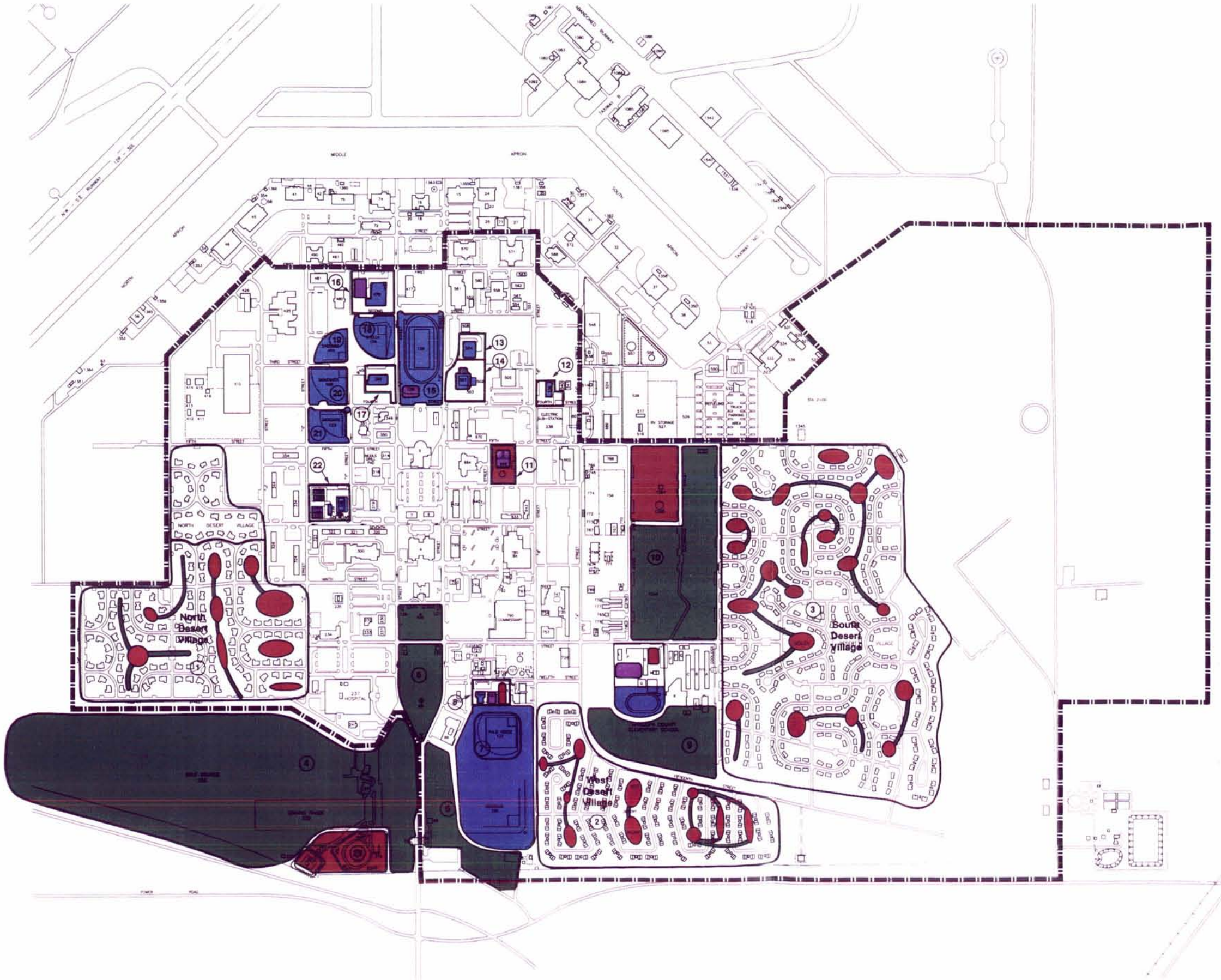
Campus Master Plan

WILLIAMS REDEVELOPMENT PARTNERSHIP

2.26

0 FEET 300 600 900 1200

BRW INC. / HOK PROJECT TEAM



Recreational Facilities and Open Space

- PLAYGROUND/TOT LOTS
- OPEN SPACE
- PARKS
- BASKETBALL/TENNIS COURTS
- RECREATIONAL FACILITIES
- ERT CONSORTIUM BOUNDARY

Note: Numbers correspond to Recreational Facilities Inventory Spreadsheets.

Source: BRW and WRP Staff Survey, August 1994

Education, Research and Training Consortium

Campus Master Plan

WILLIAMS REDEVELOPMENT PARTNERSHIP

2.27

0 FEET 300 600 900 1200

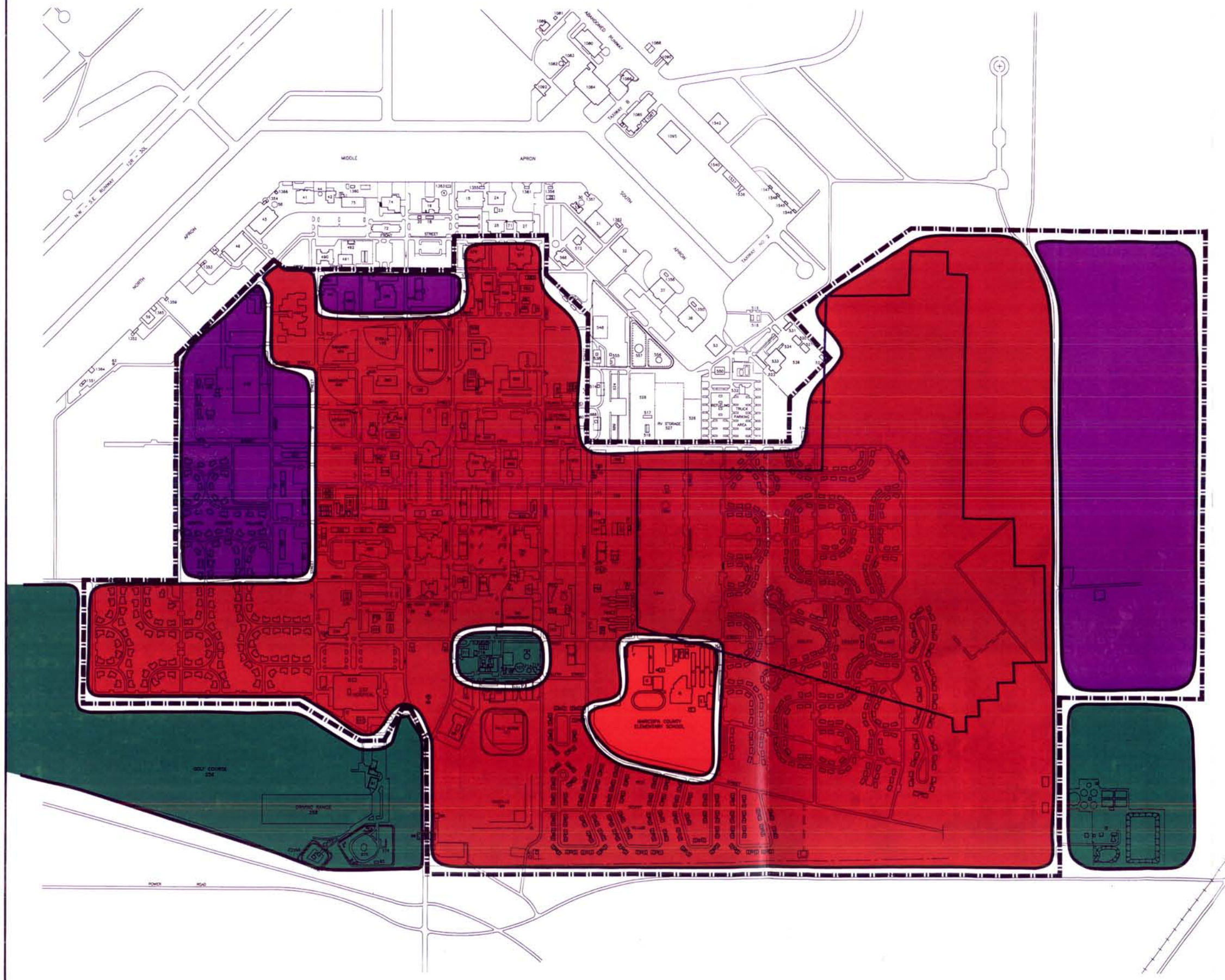
BRW INC. / HOK PROJECT TEAM

Facts

Public Benefit Application Plan

The Williams ERT Campus boundary is composed of the Arizona Board of Regents, Arizona State University (ASU), Maricopa County Community College District (MCCCD), the City of Mesa and the Maricopa County Accommodation School. The Public Benefit Applications were submitted in July 1993 in order to request ownership of surplus federal property, including the land, buildings, existing infrastructure and related personal property located at Williams Air Force Base, Arizona.

The ERT boundary includes all existing residential areas on WAFB and the base headquarters and support facilities spanning from Power Road to the flight line, and from Pecos Road to Ray Road. ASU has applied for 75 percent of the land area within the ERT Campus boundary consisting of most residential areas and the main base area. MCCCD applied for ownership for the areas within proximity to the flight line and an undeveloped parcel on the southern boundary of the campus. The City of Mesa applied for the water supply, water treatment, and other utility oriented areas of the base. The Maricopa County Accommodation School requested a parcel of land adjacent to South and West Desert Village residential areas.



Property Transfer Application Plan

- CITY OF MESA
- ARIZONA BOARD OF REGENTS
- MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT CAMPUS
- MARICOPA COUNTY ACCOMMODATION SCHOOL
- WILLIAMS GATEWAY AIRPORT AUTHORITY
- MIDVALE SITE
- ERT CONSORTIUM BOUNDARY

Source: Williams Redevelopment Partnership, July 1993

Education, Research and Training Consortium

Campus Master Plan

WILLIAMS REDEVELOPMENT PARTNERSHIP

2.28

0 FEET 300 600 900 1200

BRW INC. / HOK PROJECT TEAM

Concepts

Function	
People	Priority Hierarchy
Activities	Activities Communication Sequential Flow
Relationships	Security Groups
Form	
Site	Image Site Organization
Environment	Shared Usage Density Environmental Control
Quality	Orientation Transportation Styles
Economy	
Budgets	Cost Controls Phasing Costs
Projected Costs	Implementation Conservation
Time	
Past	Historic Significance Adaptive Re-use
Present	Flexibility Tolerance
Future	Growth Expansion

Fig 3.1 Information Index for concepts.

Concepts are qualitative ideas for realizing goals. Planners deal with two types of concepts, programmatic concepts and design concepts. Programmatic concepts refer to abstract ideas intended as functional solutions to client's performance problems without regard to the physical response. On the other hand, design concepts refer to concrete ideas intended as physical solutions to architectural or built problems. In this section, abstract or programmatic ideas are emphasized. The Information Index for concepts (left) includes key words used as check-list to uncover and test concepts.

The concepts in this section summarize the key abstract ideas that will be used to shape the physical plan. For a complete record of all concepts, refer to the ERT Consortium Campus Master Plan Development Program document.

These concepts originated during interviews with user groups, from completed questionnaires, and from other client provided information.

Concepts

Image

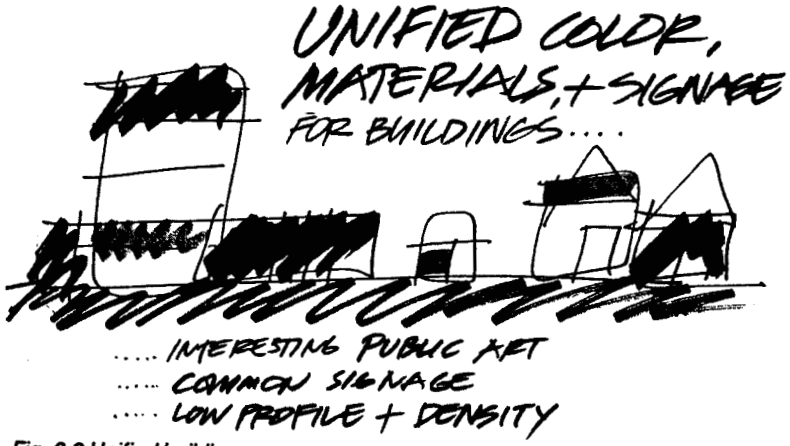


Fig. 3.2 Unified buildings.

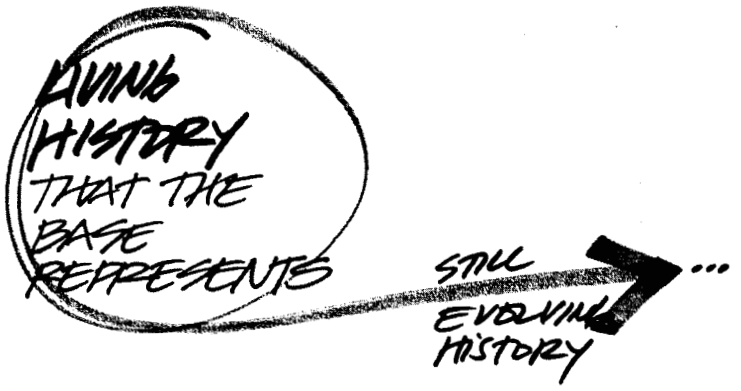


Fig. 3.3 WAFB's living history.

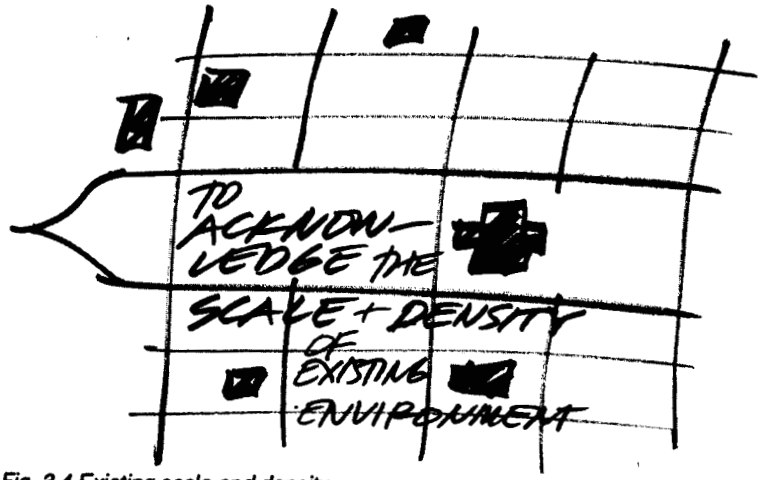


Fig. 3.4 Existing scale and density.

Concepts

Unique Aspects

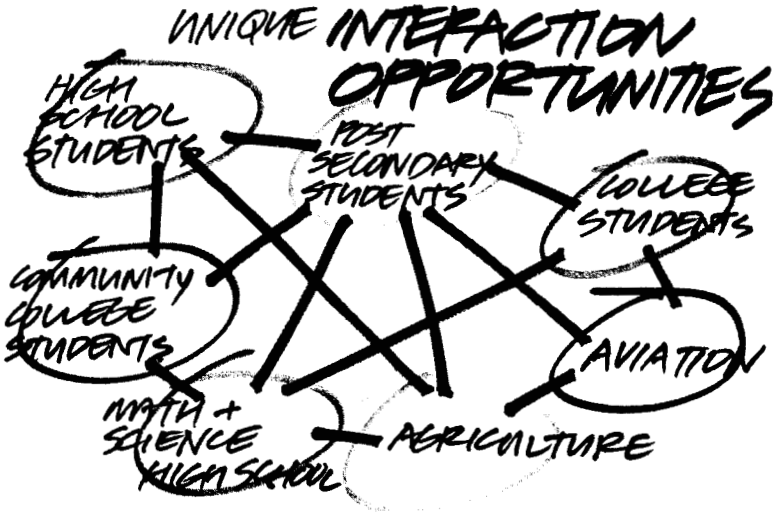


Fig. 3.5 Interaction Opportunities

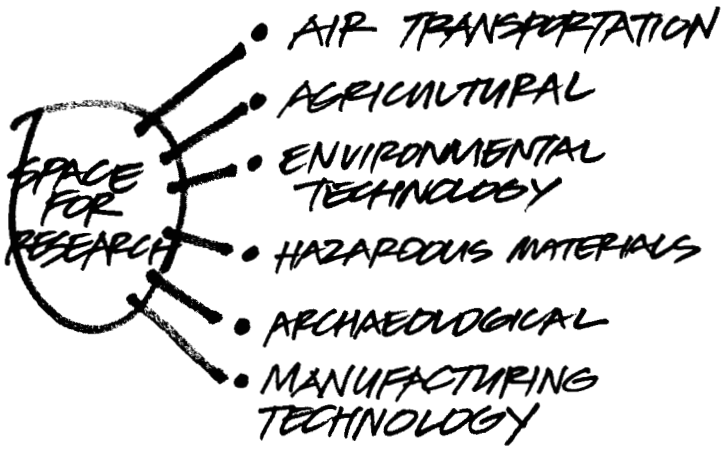


Fig. 3.6 Space for research.

Analogies & Metaphors

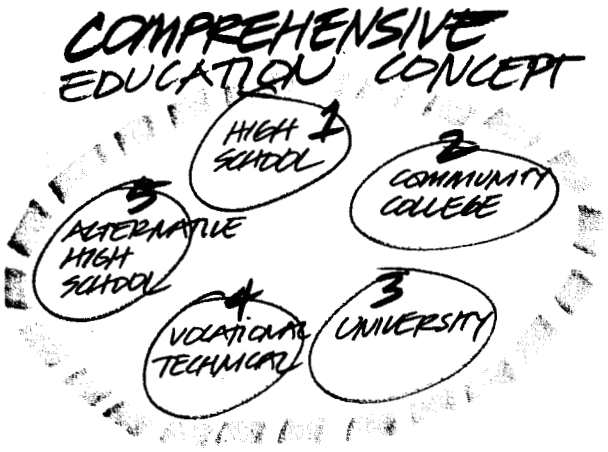


Fig. 3.7 Williams as a comprehensive educational campus.

Concepts

Joint Use Opportunities

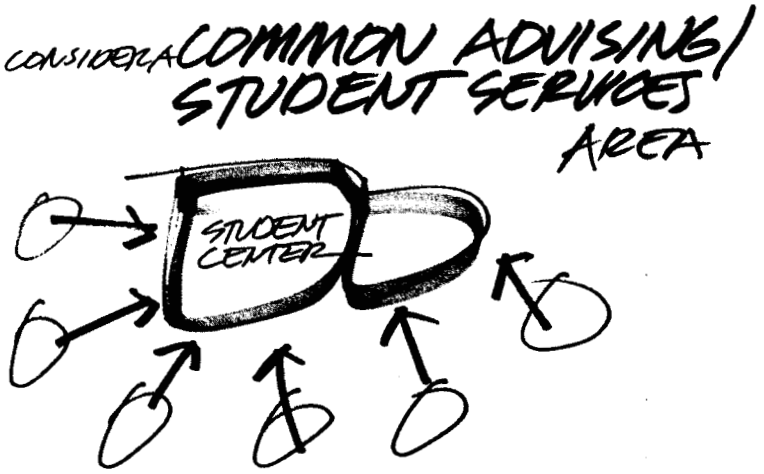


Fig. 3.8 Common advising / student services.

Fig. 3.9 Joint use activities.

Fig. 3.10 Staff resources.

Concepts

Individual Facilities

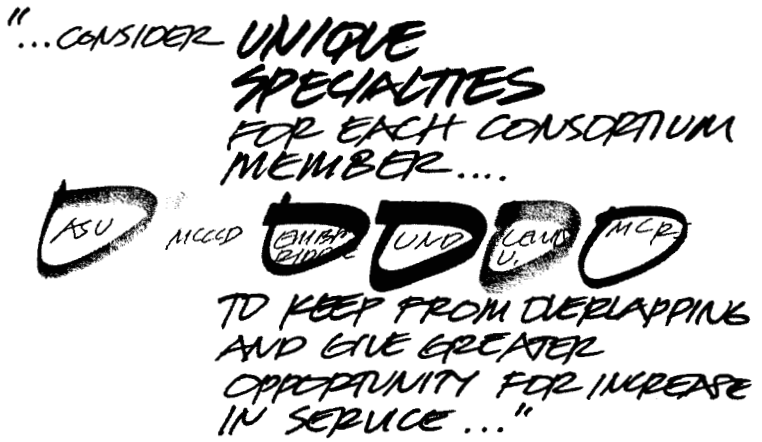


Fig. 3.11 Unique specialties from each participant.

Future Needs

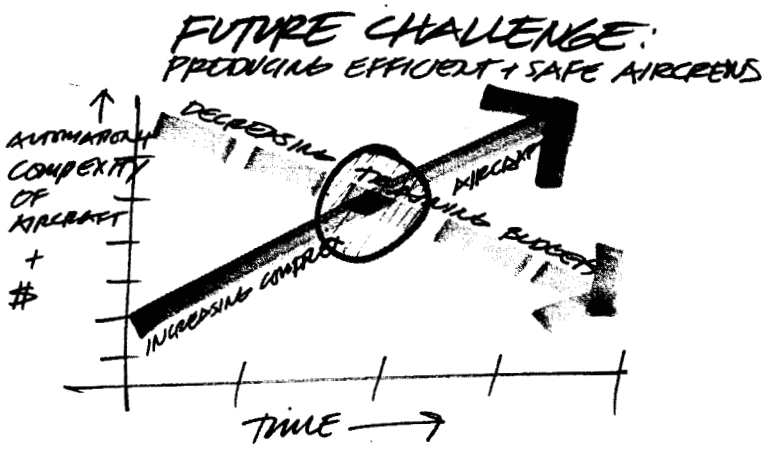


Fig. 3.12 Future challenge for aircrew training.

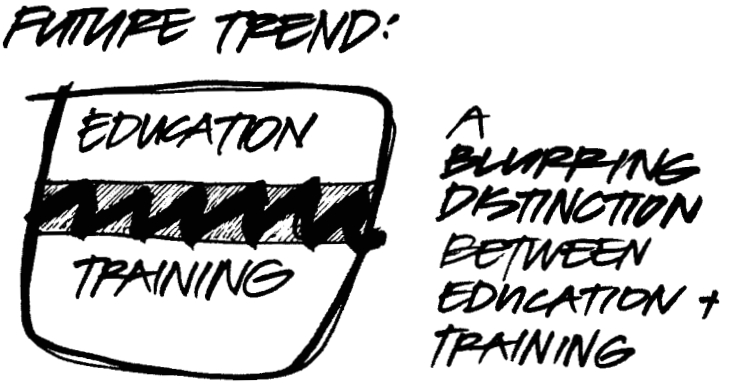


Fig. 3.13 Education vs. training.

Concepts

Transportation

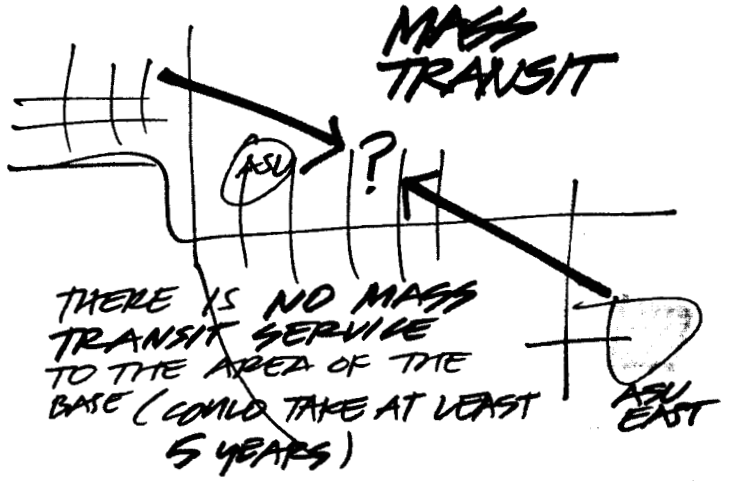


Fig. 3.14 Mass transit to Williams.

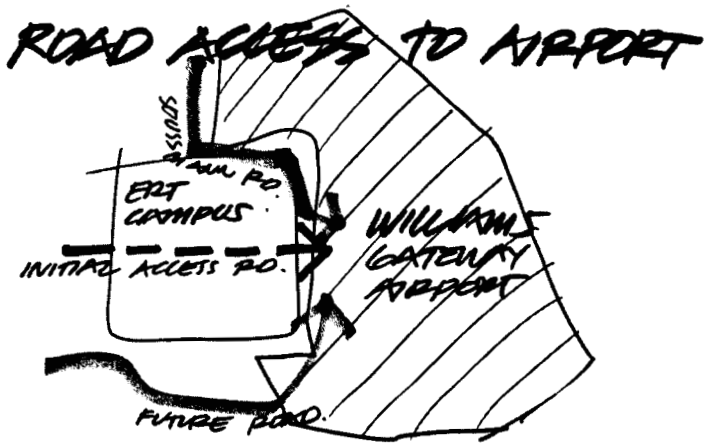


Fig. 3.15 Airport access.

Telecommunications

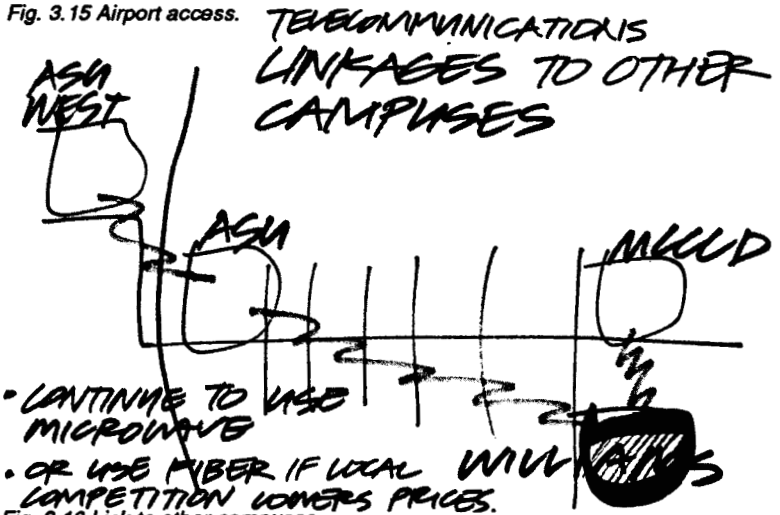


Fig. 3.16 Link to other campuses.

Concepts

Teaching Facilities

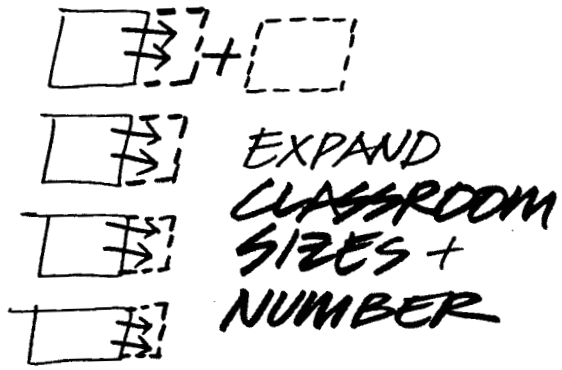


Fig. 3.17 Expand classrooms.

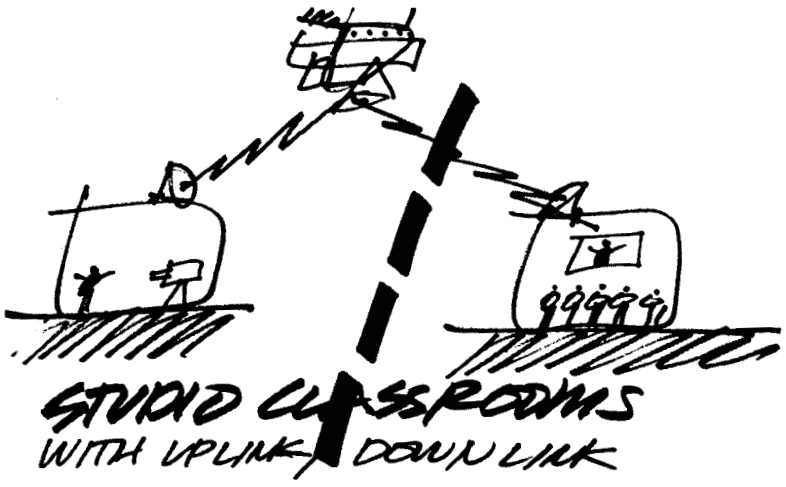


Fig. 3.18 Studio classrooms.

Concepts

Infrastructure

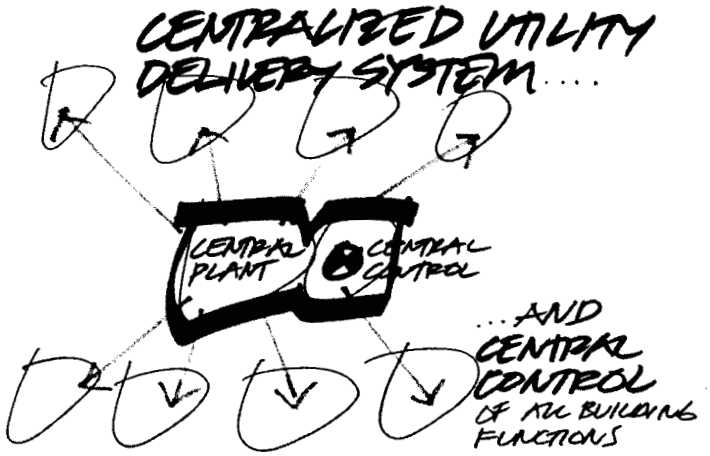


Fig. 3.19 Central delivery systems.

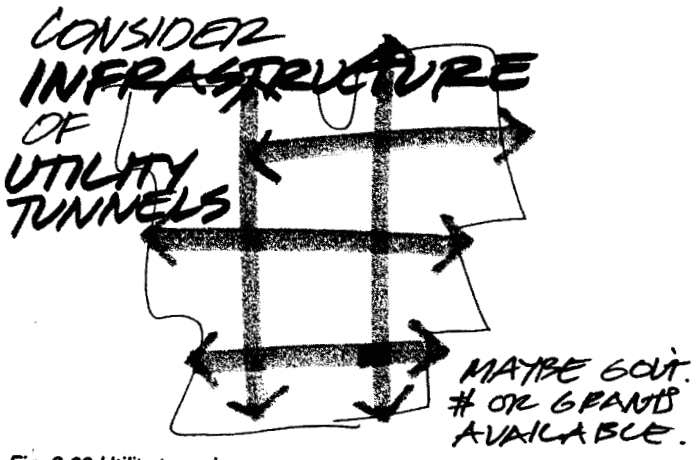


Fig. 3.20 Utility tunnels.

Concepts

Housing

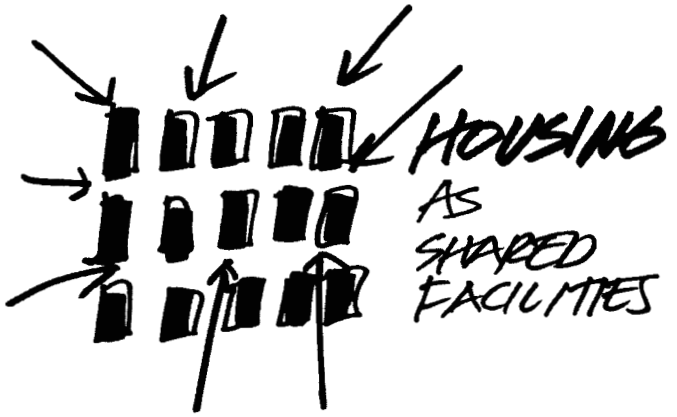


Fig. 3.21 Shared housing.

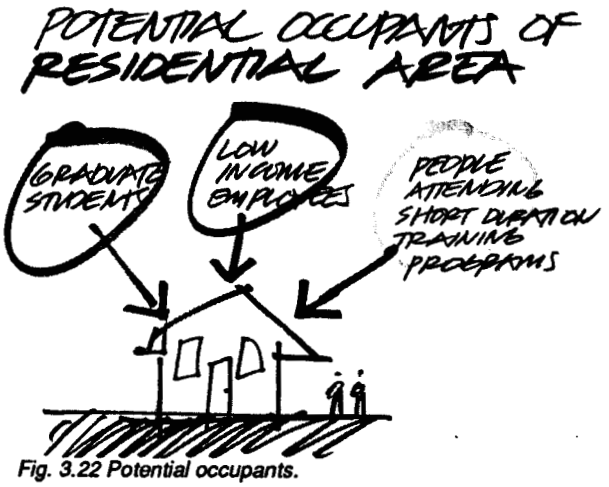


Fig. 3.22 Potential occupants.

Fig. 3.23 Academic "Sun City".

Needs

Function	Space Requirements
Form	Quality of Construction
Economy	Budget
Time	Project Scheduling

Fig 4.1 Information Index for Needs.

Needs provide a basis for an economic feasibility test. The four elements of cost are evaluated and balanced: 1) space requirements, 2) quality of construction, 3) the budget, and 4) the schedule. To achieve a balance, at least one of these four elements must be negotiable.

Space requirements are described in terms of area or square feet, and are shown on the summary pages in this section. For a more detailed list of space requirements, refer to the ERT Consortium Campus Master Plan Development Program. The quality of construction for this project will be determined on a cost per square foot basis for renovation / adaptive re-use of existing facilities. Three time frames have been addressed for scheduling: 1) Near Term or January 1995, 2) Short Term or the year 2000, and 3) Long Term or the year 2015.

The Comparative Analysis on pages 5 and 6 graphically display requested areas with the existing facility areas already on the ERT Consortium Campus portion of Williams Air Force Base. The existing figures are obtained from the existing space inventory found in the Facts section of this document. For detailed information on existing facilities, refer to the Appendix of the aforementioned Development Program document.

Although the area requirements contained in this section were the result of careful analysis and review, they are nonetheless approximate, and may change over time. These figures represent the best data available during the programming worksessions (as of August 1994).

ERT Consortium Campus Master Plan
Mesa, Arizona

Short Term Area Requirement Summary (Note: Data shown represents best estimates as of August 1994 and is subject to change).

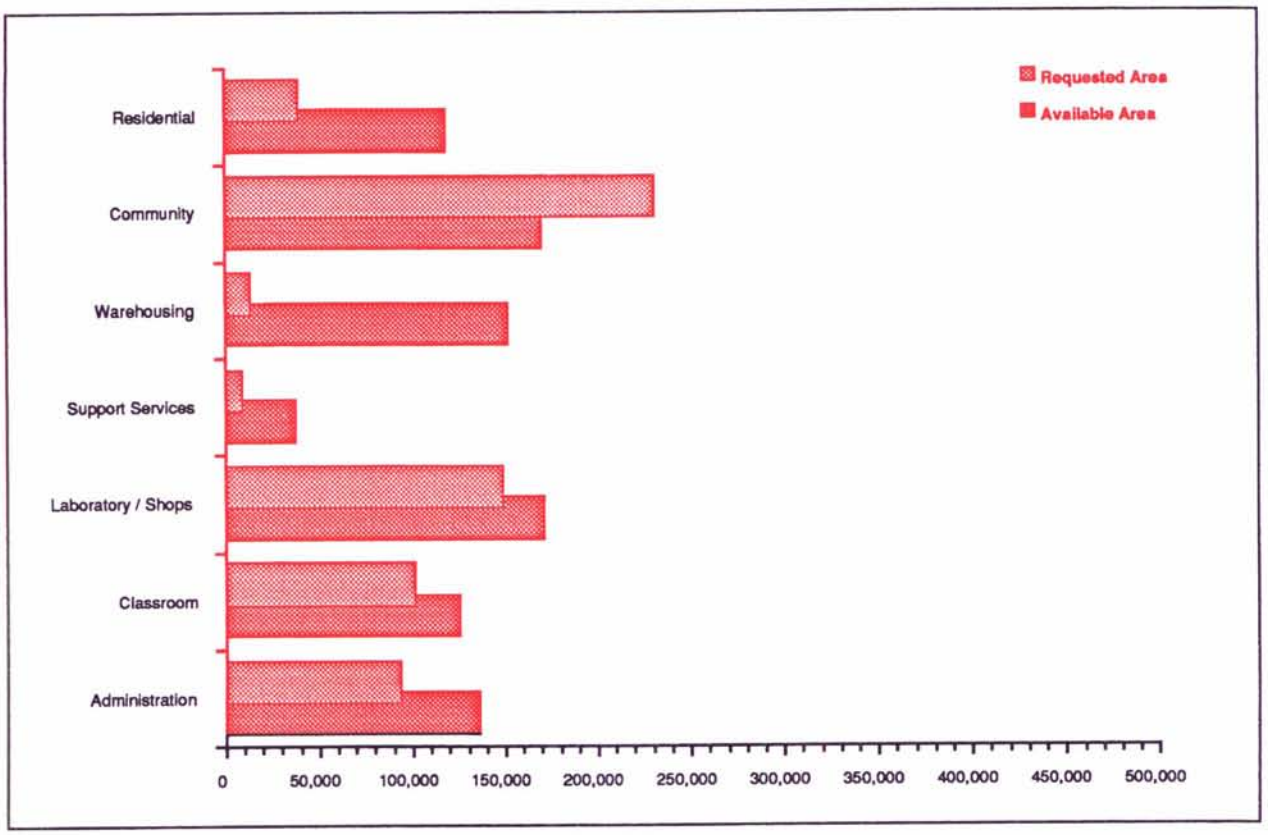
Description	TOTAL GROSS Building	Office Total Net	Office N/G Ratio	Office Total Gross	Office Support Total Net	Office Support N/G Ratio	Office Support Total Gross	Classroom Total Net	Classroom N/G Ratio	Classroom Total Gross	Laboratory Total Net	Laboratory N/G Ratio	Laboratory Total Gross	Laboratory Support / Shops Total Net	Laboratory Support / Shops N/G Ratio	Laboratory Support / Shops Total Gross	Support Services Total Net	Support Services N/G Ratio	Support Services Total Gross	Warehouse / Storage Total Net	Warehouse / Storage N/G Ratio	Warehouse / Storage Total Gross	Special / Community Total Net	Special / Community N/G Ratio	Special / Community Total Gross	Residential Units	Residential	Total Outdoor Area
ARIZONA STATE UNIVERSITY																												
General Administration	24,500	13,500	60%	22,500	1,500	75%	2,000																					
School of Technology	12,129	2,480	60%	4,133	310	75%	413	1,600	65%	2,462				3,762	75%	5,016							100	95%	105			
Aeronautical Technology	31,194	2,230	60%	3,717	410	75%	547	2,320	65%	3,569	11,123	60%	16,536	3,617	75%	4,823												
Manufacturing Engineering Technology	43,066	1,950	60%	3,250	806	75%	1,077	1,520	65%	2,338	21,840	60%	36,400															
Industrial Management Technology	22,582	1,740	60%	2,900	806	75%	1,077	1,520	65%	2,338	9,760	60%	16,267															
Electronics & Computer Technology	28,802	2,670	60%	4,450	587	75%	783	1,920	65%	2,954	10,370	60%	17,283	2,349	75%	3,132												
School of Agribusiness	34,149	4,265	60%	7,108	925	75%	1,233	7,000	65%	10,769	8,340	60%	13,900	846	75%	1,128							10	95%	11	15	Du's	435,600
College of Extended Education																												
Administration	1,573	300	60%	500	880	75%	1,173																					
American Language & Culture	3,150	450	60%	750	1,800	75%	2,400																					
Arizona Preservation Resource Center	1,867										1,000	60%	1,867															
Center for Lifelong Learning	5,077							3,300	65%	5,077																30	Dorms	
Distance Learning Technology	7,385							4,800	65%	7,385																		
Division of Instructional Programs	21,058	450	60%	750				13,200	65%	20,308																		
Professional & Continuing Education	5,327	150	60%	250				3,300	65%	5,077																		
MARICOPA COUNTY COMMUNITY COLLEGES																												
District Support	1,367	820	60%	1,367																								
Chandler-Gilbert Community College																												
Aviation Program	160,261	1,620	60%	2,700	10,410	75%	13,880	13,400	65%	20,615	64,450	60%	107,417	7,750	75%	10,333							5,050	95%	5,316	25	Dorms	10,000
Mesa Community College																												
Fire Science Technology	23,067	1,100	60%	1,833	4,800	75%	6,400	8,000	65%	12,308													2,400	95%	2,526			
Rio Salado Community College																												
General Studies	9,006	2,450	60%	4,083				3,200	65%	4,923																		
International Business Studies	6,506	950	60%	1,583				3,200	65%	4,923																40	Dorms	
EAST VALLEY HIGH SCHOOL	34,769	12,169						22,600	65%	34,769																		
UNIVERSITY OF NORTH DAKOTA																												
Aerospace Program	18,342	8,925	60%	14,875	2,600	75%	3,467																					
EMBRY-RIDDLE AERONAUTICAL UNIV.	2,808	300	60%	500				1,500	65%	2,308																		
LEWIS UNIVERSITY	12,846	4,800	60%	8,000	750	75%	1,000	2,500	65%	3,846																20	Dorms	
ARMSTRONG LABORATORIES	99,407	14,418	60%	24,030	1,495	75%	1,993	2,868	65%	4,412	30,959	60%	51,598	624	75%	832	1,152	95%	1,213	12,817	95%	13,492	1,745	95%	1,837			
PROJECT CHALLENGE	40,784																									200	Dorms	
DEPT. OF VETERAN'S AFFAIRS	80,117																3,992	95%	4,202	1,290	95%	1,358	80,329	95%	84,557			
A.L.E.O.A.C.	7,692							5,000	65%	7,692																75	Dorms	326,700
SHARED FACILITIES																												
Phase 1 Shared - Use Building	52,632																						50,000	95%	52,632			
Campus Library	55,263																						52,500	95%	55,263			
Student Union	42,105																						40,000	95%	42,105			
Physical Plant	31,483	4,995	60%	8,325													22,000	95%	23,158									
Base Library - 11	5,355	326	60%	543				3,128	65%	4,813							0	95%	0									
Base Chapel - 88	15,143	864	60%	1,440				4,048	65%	6,228							1,608	95%	1,693				5,494	95%	5,783			
Youth Center - 104	3,212							1,386	65%	2,132							0	95%	0				1,025	95%	1,080			
Bowling Center - 390	9,021																0	95%	0	450	95%	474	8,120	95%	8,547			
Flight Simulation Training - 425	132,018										79,211	60%	132,018															
Recreation Center - 504	12,355	575	60%	958				4,438	65%	6,828	0	60%	0							704	95%	741	3,646	95%	3,838			
NCO Mess - 505	17,429	644	60%	1,073				4,416	65%	6,794				120	75%	160	0	95%	0	888	95%	935	8,044	95%	8,467			
Dining Hall - 664	10,939																0	95%	0	1,948	95%	2,051	8,064	95%	8,488			
Base Theatre - 795	14,202							6,101	65%	9,386							2,928	95%	3,082	1,647	95%	1,734						
OPEN SPACE	685 acres																											
PARKING	37.2 acres																											
TOTALS	1,149,300	77,737	60%	109,280	28,083	75%	37,444	102,748	65%	158,074	157,842	60%	263,070	18,948	75%	25,264	5,144	95%	5,415	14,107	95%	14,849	232,134	95%	244,352	405	Units	772,300

ERT Consortium Campus Master Plan
Mesa, Arizona

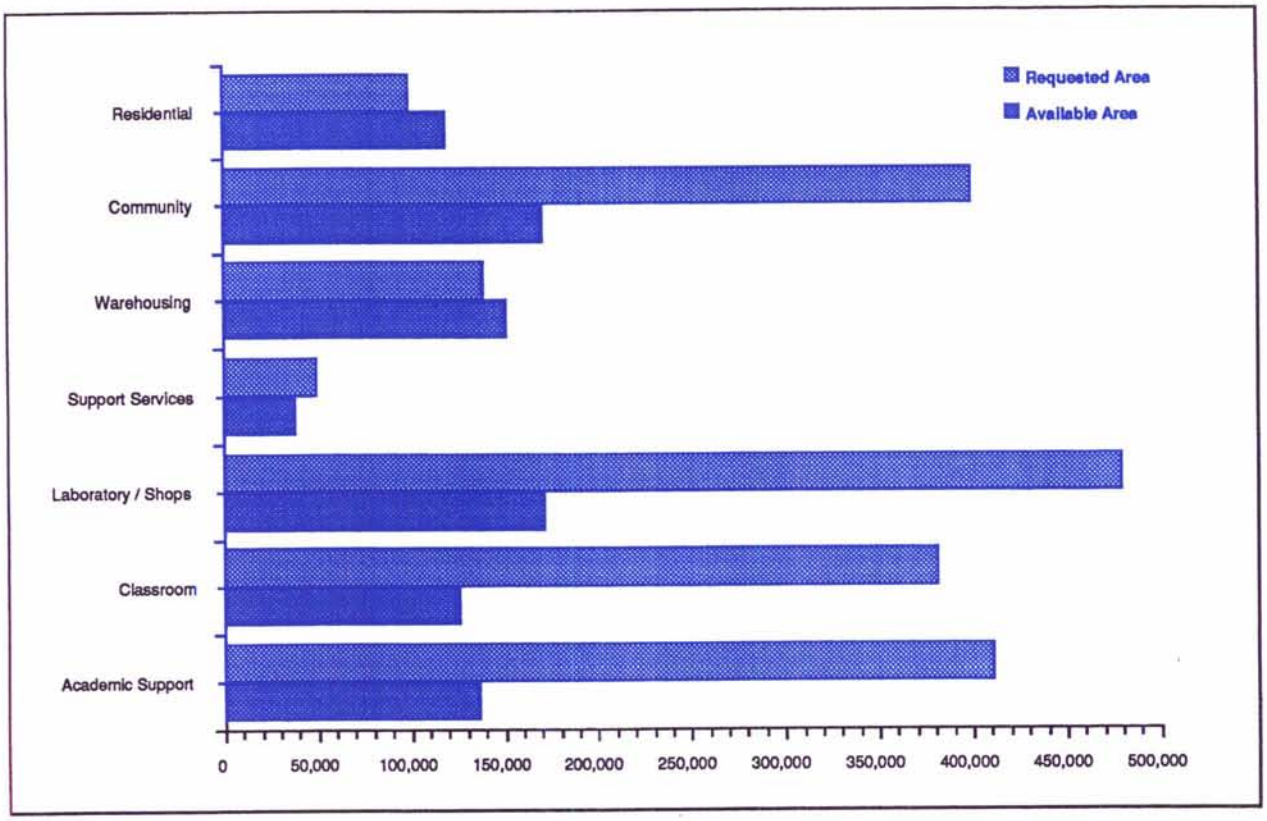
Long Term Area Requirement Summary

Description	TOTAL GROSS	Office T	Special / Community Total Net	N/G Ratio	Total Gross	Residential Units		Total Outdoor Area
ARIZONA STATE UNIVERSITY	1,250,000					45		
MARICOPA COUNTY COMMUNITY COLLEGES	350,000					65		
EAST VALLEY HIGH SCHOOL	150,000							
UNIVERSITY OF NORTH DAKOTA	150,000							435,600
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY	25,000							
LEWIS UNIVERSITY	100,000					25	Dorms	
ARMSTRONG LABORATORIES	250,000							
PROJECT CHALLENGE	75,000					280	Dorms	
DEPT. OF VETERAN'S AFFAIRS	150,000							
A.L.E.O.A.C.	25,000					100	Dorms	
								10,000
SHARED FACILITIES	1,575,000							
OPEN SPACE	640 acres							27,839,835
PARKING	92 acres							4,025,036
TOTAL BUILDING AREA	4,100,000	172,2	560,880	95%	590,400	470	Units	32,310,471
						1,350,000 sf		

Short Term Comparative Analysis



Long Term Comparative Analysis



Problem Statements

Function	Unique and important performance requirements.
Form	Significant form considerations.
Economy	Attitude towards the initial budget and its influence on levels of quality.
Time	Impacts of change and growth on the long range performance of the plan.

This section is sub-divided into three parts: Conclusions, Recommendations, and Problem Statements.

Conclusions

The following conclusions are observations made by the consulting team at the conclusion of the on-site Programming Worksession. These conclusions served as a spring-board for the recommendations that follow.

Recommendations

At the completion of the on-site Programming Worksession the consultant team offered recommendations for near term actions. These actions are based upon events or situations identified during the interviews and ERT Consortium Steering Committee meetings. The recommendations are intended to stimulate activities and development by the Steering Committee and Consortium members which will promote the successful development of the comprehensive master plan.

Problem Statements

The statement of the problem is the link between problem definition and problem solution. These statements summarize the essence and uniqueness of the project. The statements also become the performance criteria from which to measure the success of the planned solutions.

Conclusions

Short term requirements are and will be **well defined. Long term** needs are often educated guesses.

Innovative and high tech teaching applications should **challenge** traditional "ten minute" class change **paradigms.**

Opportunity to incorporate **historical / contextual** references exist.

A very real need for perimeter and systematic **security for the flight line** exists.

Access to the flight line for **ERT consortium members** is essential and needed in the near term (plus for **long term**).

Utilities are currently on the same metering system as **the airport.**

Locations of utilities are **uncertain.** Code compliance and metering are issues for **most facilities.**

The proposed **Sossaman Rd. development** could create a barrier bisector for the ERT campus.

No clear plan exists for bringing **general education** courses onto campus.

Multiple planning horizons should be simultaneously addressed:

- immediate 0 - 1 yr.
- short term 1 - 4 yrs.
- long term 5 - 15 yrs.

There are well differentiated and potentially complementary **individual aviation programs** by consortium members.

Research activities will/can plan a **key role** in successful campus development.

Conclusions

The current situation can be described as a **virtual** (rather than actual) **consortium.**

A number of ERT consortium members request **no cost / low cost** acquisition of facilities.

Existing **residential assets** are in **good condition** and could be producing **revenue** in the near term.

Near term **access to the airport** will introduce **non ERT** campus traffic to the site.

The **veterans health affairs** facility will be the first in operation but with some level of **uncertainty** due to new national health care plan.

Some institutions are **already on site,** in operation, and gathering **momentum.**

Gila River Indian Community and Homeless Providers requests / proposals have far reaching implications.

Master planning activities must consider the **multi-modal** transportation aspects of the campus and airport.

Balancing the different needs (including tuition rates) of **public** vs. **private educational institutions** on campus is an issue.

Some **re-use plans** and **assumptions** are clearly in motion already.

Coming to **conclusions** on the **housing** issues is an **immediate** concern.

Recommendations

• In depth investigation and negotiation with the Gila River Indian Community should be initiated immediately

The current request from the Gila River Indian Community to purchase nearly one third of the area at Williams Air Force Base represents a significant conflict in land ownership with ERT Consortium Members. This acquisition proposal is partly based upon the documented American Indian archeological remains at Williams. This, in addition to the potential revenue generated from the sale, may give special status to the request.

The ERT Consortium should aggressively prepare a response to the Gila River Indian Community; consider if it is necessary to prepare a response to the Air Force / Department of Defense. This request if honored in its current form, would potentially invalidate the current re-use plan. Negotiation positions should be created which allow the ERT to continue with certainty in the development of the education campus.

• Immediately proceed with Space Planning and Tenant Services to ready facilities for early move-in starting Fall '94 and Spring '95

The opportunity to occupy facilities at Williams through the convention of interim lease agreements would potentially allow ERT Consortium members to plan for instructional activities in the Fall of 1994.

Recommendations

Because these activities are prior to a Record of Decision, each institution should exercise care in the amount invested for renovation and refurbishment of facilities without having ownership status for the property.
Also, the time required to engage a provider of Architecture and Engineering services, and for the required design, documentation, and build-out of the space is a critical time factor in preparing the facilities for occupation.

- **The ERT Consortium should consider a Near Term Detailed Infrastructure Inventory and Assessment**

The master plan will provide investigations and recommendations for infrastructure systems at a level consistent with master planning. This macro level, "trunk line", level of information may not provide all detail necessary to move forward with interim moves and initial occupation of facilities. Factors such as individual building metering, specific required code upgrades and other detailed considerations should be pursued to give the ERT Consortium the best information from which to establish budgets and make key infrastructure decisions.

- **The ERT should initiate serious investigation of Commuter Rail opportunities with RPTA**

Transportation to the ERT Campus site will play a vital role in the utilization and successful development of the campus. The remote nature of the site suggests that a multi-modal system would greatly increase accessibility and promote the ease of

Recommendations

transfer for students from varied campus locations.

An existing rail corridor exists in proximity to the campus site that could potentially serve as a mode of transportation for students, faculty, staff, and visitors. Investigations and feasibility review should be revisited to understand the potential for providing passenger light-rail service to and from the campus.

- **The ERT Consortium should formally establish and continue the Focus Group Discussions regarding specific topics: Housing, Transportation, Infrastructure, Image, and Aviation.**

Each of the above topics were promoted for discussion during the on-site Program Development worksessions. These topics are broad in nature as opposed to specific needs of individual consortium members. As such, they impact all tenants of the campus, and should be discussed and planned as a result of concerted consortium interaction. Specific experts from each institution are prime candidates to compose the team of each focus group.

The planning consultants have facilitated and will provide additional opportunities to investigate physical planning solutions which react to these topics, however, ERT Consortium members may want to promote more detailed study on a more regular basis. Any developments derived from these continued meetings will be readily accepted into the ongoing planning process.

- **The ERT Consortium should pursue Property Control / Acquisition for Primary Entry areas of the campus**

The aesthetic impact of the campus' site design should acknowledge the historic aspect of Williams Air Force Base while also establishing an image befitting of the educational mission of the ERT

Recommendations

Consortium. This image should be easily perceived by the general public.

Without ownership rights or agreements in place to impact the property between the existing gate / guard station and Power Road, the campus will never "meet" the public interface roadway. This area is key in establishing the first impression of the public, potential students, and visitors to the site. Other areas, existing and planned, such as the Sossaman Road interface are also candidates for consideration in developing a consistent image for the campus.

- **Pursue the feasibility of establishing an Improvement District governing all entrance points to the campus**

In concurrence with other concerns for the image of the campus, consideration should be given to the arrival sequence from regional roads identified as the primary links to the surrounding metropolitan areas.

These roadways and rights of way could be impacted as part of an improvement district to support the planned image of the new campus. Applications of standard street plantings, signage, and furnishings for roadway sections, bus waiting areas, and pedestrian crossings could greatly enhance and reinforce the image program for the ERT Campus as well as municipal developments.

Problem Statements

Function

Potential users of the campus include the ERT Consortium which is comprised of multiple education, research, and training institutions, each with its own individual priorities, plans, implementation ideas, and public property transfer requests.

The master plan must identify commonalities of requirements, build bridges of collaboration, and reinforce the collective group directions with solutions that emphasize common use properties on campus.

A common aviation education focus and campus mission exists for almost all of the consortium members.

Design solutions for the ERT Consortium campus should capitalize on appropriate existing aviation-related site attributes, while striving to update and upgrade the former military facilities to support aviation education well into the twentieth century. The new campus must support both advanced aviation and advanced education technologies.

Shared use / joint use of both existing and proposed facilities is a prerequisite for success of the new campus.

Individual, dedicated facilities, specifically supporting only one of the consortium members should be kept to minimum. The master plan should consider focal points that reinforce communal, rather than individual requirements, striving to functionally and visual integrate the entire campus into a cohesive whole.

Problem Statements

Form

A key objective of the ERT Consortium is the creation of a true college campus environment out of the former Air Force base.

The image, aesthetic, appearance, and quality of the environment must be changed to accomplish the goal. The transition to a campus environment will require a real transformation of site, facilities, and systems. The site must be transformed from a place where people were assigned to a desirable and sought-after destination.

A very broad range of existing facilities types and conditions exist on the former Williams Air Force Base.

Existing buildings and systems must be individually evaluated as to their suitability for future occupancy and then appropriately matched up with the needs of new functions and occupants. The master plan must balance the existing building assets, projected renovation / improvement needs, aesthetic sensitivities, and pragmatic financial constraints in such a way that the priorities of the consortium members are met.

The ERT Consortium has set substantial goals for the achievement of world class status and reputation. A first class image for the ERT campus is the target.

The plan should combine the world class offerings of the ERT members with the unique aspects and qualities of the site, such as the location, climate, historic significance, and non-encroachment situation.

Problem Statements

Form
(Continued)

The new ERT Consortium Campus will truly rely upon multi-modal transportation systems, effectively supporting the movement and storage of aircraft, service vehicles, automobiles, buses, bicycles, and pedestrians.

The master plan can respond by creating a functional hierarchy and segregation system that separates transportation routes while assuring accessibility, convenience, and security. The new campus can become a well known model of a successful multi-modal center.

Economy

The existing site utilities and infrastructure situation is uncertain in regard to location, condition, and adequacy for future use.

A much better understanding of the current condition is needed before substantial commitment should be made to any long range master plan campus design direction. The far-reaching implications of the utilities and infrastructure situation should be assessed. The cost impact of needed improvements must be studied in parallel with master plan implementation.

Problem Statements

Time

The value of a master plan is to guide long term development of the campus. Short term needs also exist, and require immediate attention.

It is essential that the master plan provide not only a thorough and comprehensive plan for the future, but also clearly deal with the exigencies of the near term. The master plan must be laid out in phases, with the first phase focusing on the already identified projects and in-process moves of organizations onto or within the existing campus facilities.

Document Separator

Cross Service

TALKING POINTS FOR

BRAC COMMISSIONER ADMIRAL (RET.) BENJAMIN MONTOYA

REGARDING FLORIDA INSTALLATIONS

JUNE 16, 1995

EGLIN AFB

* **Urge Commission to reject the Air Force recommendations to realign Eglin AFB (relocating Electromagnetic Test Environment (EMTE) and two pod systems to Nellis AFB).**

* Weapons test and evaluation is a critical capability for ensuring that our military is capable of meeting new technological and tactical threats. Persian Gulf War demonstrated the importance of having weapon systems that can perform with pin-point accuracy. The lead-time for test and evaluation (T/E) of such systems is long. Investments in T/E are considerable, and once lost will take significant funds and time to replicate. The absolute best decision needs to be made for DOD and the Air Force.

* The Board of Director's Study (dtd Feb 4, 1994) clearly recognized the value of Eglin's EMTE, particularly with the geographical attributes offered in Florida's panhandle region -- i.e., land-water contrast.

* Congress has expressed concern regarding the need for a thorough DOD-wide study prior to any consolidation of weapons T/E assets and operations by requiring an Electronic Combat (EC) Master Plan to be submitted before consolidating EC assets (DOD Authorization Act for 1995, House Report). Such a report has yet to be published.

* Air Force recommendation to realign Eglin does not have to be made in this BRAC round due to the fact that the number of personnel involved in this move is below the BRAC threshold. Therefore, once a well thought out process takes place, in particular, the development of the EC Master Plan, the Air Force would be free to make the moves they desire in concert with DOD's plan.

* There does not seem to be a well conceived overall plan for T/E consolidation. Justification for giving up capitalizing on Eglin's EMTE and its cost effectiveness, superior infrastructure, and unique geography, do not seem to make sense.

HOMESTEAD ARB * **Urge Commission to decide against closing Homestead ARB.**

* 1993 BRAC Commission stated that the military value of Homestead AFB was "indeed high, due to its strategic location."

* Geography and strategic needs justify keeping Homestead ARB open -- nothing has changed the geographic location of the base since 1993. The Commission's findings in 1993 hold just as true today as they did in 1993.

* Recent events, with the execution of contingency operations in the Caribbean (i.e. Haiti and Cuba), only serve to underscore the importance and utility of Homestead to the United States and our national security interests. Should Homestead be closed and future needs arise in the Caribbean region, the absence of Homestead will be painfully felt by military planners.

* Homestead and the military flying ranges it has access to are invaluable military training assets. Once they are lost, it will be very unlikely that they will ever be regained.

* National Guard units derive great benefit from the training that is available and conducted at Homestead.

ORLANDO:

* **Ask that the Commission takes a closer look at the numbers used to support closure of the Navy Research Labs, moving of the Navy Nuclear Power Training Center to Charleston, and the re-direct of the original decision to move Armstrong Labs to Orlando.**

Navy Research Laboratory, Underwater Sound Reference Detachment

* It is our understanding that the Navy did not consider the alternative of consolidating similar test functions in Orlando.

* Moving come functions to Newport, R.I. could lead to degradation of the Navy's ability to accurately evaluate Navy acoustic sonar equipment.

Navy Nuclear Power Training Center

* The total costs of replicating the school should be carefully accounted for in order to weigh those costs against investing in the retention of the training center in Orlando.

* It is our understanding that the one-time cost of moving the training center to Charleston would be $147 million compared to $8 million if it were left in Orlando.

Armstrong Laboratory

* The Commission is asked to carefully analyze the issue of the availability of a suitable facility in Orlando for the Labs. The community has asserted that there are such facilities available for an appropriate price.

Document Separator

DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

LT-0845-F16
BSAT/CM
16 June 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street
Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

The response to questions forwarded by Mr. Alex Yellin on June 15, 1995, concerning the Naval Research Laboratory Underwater Sound Reference Detachment, Orlando, Florida, and the Air Force Armstrong Laboratory is attached. In accordance with Section 2903(c)(5) of the Defense Base Closure and Realignment Act of 1990, I certify the information provided to you in this transmittal is accurate and complete to the best of my knowledge and belief.

I trust this information satisfies your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

Charles P. Nemfakos
Vice Chairman,
Base Structure Evaluation Committee
Executive Director,
Base Structure Analysis Team

Attachment

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION
REMARKS CONCERNING NRL-USRD, ORLANDO

As requested, the "Report to the Defense Base Closure and Realignment Commission on Orlando Area Concerns," has been reviewed with respect to the Naval Research Laboratory Underwater Sound Reference Detachment (NRL-USRD), Orlando. This report questioned the DoD's application of selection criteria 1, 2, and 5 to NRL-USRD, Orlando, during BRAC-95 analyses. The claims that there were substantial deviations from various selection criteria relating to the analysis of NRL-USRD are fundamentally flawed.

Regarding selection criteria 1, which pertains to the evaluation of NRL-USRD's impact on operational readiness, the report addressed the issues of mission essential functions, expertise, and historical data. The following information is provided in response to these concerns.

The DON recognizes that NRL-USRD's Anechoic Tank Facility II (ATF II) provides unique testing capabilities which cannot be duplicated elsewhere and have a significant impact on operational readiness. Therefore, the ATF II and associated functions and personnel will be relocated to NUWC Newport, in keeping with the Navy's goal to continue down-scoping of acoustic testing to a few, full-spectrum activities. The other functions currently performed at NRL-USRD, such as measurement, testing, evaluation, and calibration and standards of acoustic transducers and materials, are performed elsewhere within the DON at such activities as NSWC Carderock, NUWC Keyport, NUWC Newport, and NSWC Crane. Although there is little direct duplication among all of these sites, appropriate skills, disciplines and equipment exist to assume additional workload and functions. Utilization of these alternate sites will satisfactorily meet mission/customer requirements of this nature. The DON realizes that personnel possessing acoustic expertise and skills are resident at a number of facilities other than NRL-USRD. The Navy will rely on personnel at these other facilities for this expertise if the personnel associated with acoustics at NRL-USRD decided not to move as invited. Consideration of skill loss and subsequent skill building was attendant in all closures affected by the Navy. Furthermore, the DON will rely on all historic data including that available at other Naval activities and will validate through correlation. Accordingly, the DON did not substantially deviate from selection criteria 1.

Regarding selection criteria 2, which pertains to the analysis of NRL-USRD's availability and condition of land and facilities at the existing and potential receiving locations, the report focuses on the uniqueness of the facilities and the Leesburg lake at Orlando and the assumption that the Navy did not consider alternatives in which Orlando was a receiving site. The following information is provided in response to these issues.

Again, the DON has determined that the only NRL-USRD function or facility that is truly unique, mission essential, and cannot be duplicated elsewhere is the ATF II. Accordingly, the ATF II will be relocated to NUWC Newport. The Leesburg lake facility will not be retained because the Navy will utilize existing facilities at other activities to accomplish tests similar to that conducted at the Leesburg site. The Navy operates ranges and facilities in the Bahamas and along the Gulf Coast and in other warm climate locations. The Navy will use these sites to

continue functions that require warm temperatures. The closure of NRL-USRD benefits the DoD in that it reduces overhead/fixed costs and continues the Navy's efforts to reduces acoustic testing to a few, full spectrum activities. Due to continued down-sizing ongoing at NUWC Newport and elsewhere in the Navy, adequate space already exists at NUWC Newport, and no new construction or renovation will be required to accommodate the relocation of functions and personnel from NRL-USRD. As the Navy's goal is to consolidate similar functions at full spectrum sites, alternatives which moved functions into NRL-USRD were not considered by the Navy. Therefore, the Navy did not significantly deviate from selection criteria 2.

Regarding selection criteria 5, which pertains to costs and savings generated by the closure of NRL-USRD, the report states that the Navy failed to properly evaluate the extent and timing of the associated costs and savings.

The letter includes a statement that DoD did not evaluate all plausible options regarding the closure of NRL Orlando, and that if we had, based on the return on investment statistics provided to the Commission, we would have chosen a different closure/realignment alternative. The letter also includes a statement that there is a difference in BOS costs at NUWC Newport (a receiving site) in the NUWC New London and NRL Orlando scenarios, and if this discrepancy were corrected, then the net present value would change by $10 million. Neither the law nor the selection criteria require that every possible combination of closure/realignment or receiving sites be analyzed, nor is there a requirement that the least costly alternative be sought. In regard to BOS costs at Newport, the final certified data call submission for the NUWC New London COBRA analysis included a revision to the BOS costs at Newport. This revision was incorporated into the NUWC New London COBRA analysis. However, no such correction was identified in the NRL Orlando scenario. By revising our NRL Orlando COBRA analysis to incorporate this revision, annual steady state savings are increased by $84 thousand and the 20 year net present value of savings is increased by $1.2 million. Since no COBRA reports or any other supporting data were provided, we cannot comment on the alternative return on investment statistics provided to the Commission. Accordingly, the Navy did not deviate from selection criteria 5, and the closure of NUWC New London and NRL Orlando are the best solutions in terms of eliminating excess capacity and consolidating functions at full-spectrum technical center activities.

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION
REMARKS CONCERNING THE AIR FORCE ARMSTRONG LABORATORY

The information concerning Armstrong Laboratory relates to the Air Force. Therefore, it is not appropriate for the Navy to comment on the issue, except to note that the facilities at the NAWCTSD that do research and development on training devices and systems are still at the Central Florida Research Park and are collocated with the Army's similar training device activities.

Department of the Navy
Base Structure Analysis Team

BSAT

Facsimile Transmission
Cover Sheet

Date: 16 JUNE 1995

From: LT MAY
Office: (703) 681-0491
Fax: (703) 756-2174

To: **Name:** JOE VARRLLO
Org: BCRC
Fax: 696-0550

Message :

AS REQUESTED A COPY OF REP MCCOLLUM'S LETTER RE: NRL ORLANDO

NUMBER OF PAGES (INCLUDING COVER SHEET): 12

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
[illegible] NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

APR 18 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

Thank you for your letter of March 28, 1995, to the Secretary of the Navy, concerning the Naval Research Laboratory Underwater Sound Reference Detachment (NRL-USRD), Orlando, Florida. I am responding for Secretary Dalton.

Responses to the 23 questions you asked regarding the Department of the Navy's recommendation to disestablish the NRL-USRD, are attached. They are based on certified information in our 1995 Base Structure Data Base: that which we forwarded originally to the 1995 Defense Base Closure and Realignment Commission, and additional information, also provided to the Commission, that we subsequently obtained from the reply to a data call we issued specifically to enable our response to your query.

I trust this information satisfactorily addresses your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

LT-0677-F13
*** MASTER DOCUMENT ***
DO NOT REMOVE FROM FILES

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS CONCERNING
THE NAVAL RESEARCH LABORATORY,
UNDERWATER SOUND REFERENCE DETACHMENT, ORLANDO, FLORIDA

Q1. In the Navy's justification for the closure of NRL-USRD, the Department states that "specific reductions for technical centers are difficult to determine, because these activities are supported through customer orders." Because specific reductions in "technical centers" like the NRL-USRD are hard to determine and due to the fact that the overall budget process is dependent upon customer orders, why would any expenditure of funds on behalf of the Department to relocate the activity be a wise, or cost saving move?

A1. Because the overhead/fixed cost to maintain a facility is virtually independent of the number of people working in it, relocation of the calibration and standards function with associated personnel, equipment and support from NRL-USRD to NUWC Newport will not significantly increase overhead/fixed costs at Newport, but will eliminate fixed costs to operate NRL-USRD, resulting in substantial savings to the DoD.

Q2. It is my understanding that the laboratory located in Orlando is run similarly to the way a business might operate in that salaries and the demand for additional staffing levels are based upon consumer purchases. Is this the case with respect to NRL-USRD?

A2. NRL-USRD is a DBOF-funded activity and as such receives very little institutional funding. Operational funding is dependent upon program/customer dollars.

Q3. If the answer to question two above is in the affirmative, please explain why any disruption of productivity or relocation would be of benefit to the Department of Defense. If the market dictated a reduction in activity, is it not incumbent upon the USRD to make adjustments to personnel based upon market demand?

A3. The closure of NRL-USRD benefits the DoD in that it reduces overhead/fixed costs. Certified data provided by NRL-USRD Orlando reported annual receipt of DBOF overhead funding in the amount of $1.325M. As personnel and functions relocating to NUWC Newport will occupy space already existing at Newport, and for reasons stated in response to question 1, costs of this amount would not be incurred by Newport. Therefore, savings are achieved by the Department.

Q4. The Navy cites an annual savings of $2.8 million. It is my understanding that the savings noted above are generated from the loss of contract employees such as security personnel and utilities. Please explain the source for these savings and

indicate why the costs for utilities, contract personnel and other costs associated with the $2.8 million would not be a recurring expense at the gaining facility.

A4. The annual savings of $2.8M in the NRL-USRD Orlando scenario include $2.5M civilian salary savings for the 45 civilian positions eliminated as a result of this closure. It also shows net non-payroll savings for base operations support of $.3M. These savings were calculated using the Cost of Base Closure and Realignment Actions (COBRA) algorithms which the DoD mandated for use by the Military Departments.

Q5. According to notations found in the "Scenario Development Data Call," there is reference to restoration of the facility to its natural state - both in Leesburg and in Orlando. However, I was unable to find any reference to the estimated $3 million to restore the main site to its natural condition. Is this expenditure included in your analysis? If so, why was it deleted from the COBRA run that was made available to my office. How does the inclusion of this expenditure impact the COBRA results? Please provide a corrected COBRA analysis.

A5. The certified scenario development data call response from NRL-USRD reported an "Other One-Time Unique Cost" of $1.046M, which resulted from provisions of the Leesburg site lease requiring that the property be returned to its "original pristine condition." This amount was included in COBRA analysis.

Q6. Please provide me with a listing of DoD's direct annual appropriations to NRL-USRD for FY-92 - FY-95. In addition, please provide a listing of DoN's appropriations to NRL-USRD for those same years. In addition, please provide me with the total "reimbursable funding" received by the facility for each of the years stated above. Finally, please provide a list of the "contracts" that the DoN sponsored through "work requests" with NRL-USRD for the same period of time.

A6. There are no direct appropriations applicable to NRL-USRD. Funding received by NRL-USRD for FY 1992 - FY 1995 is provided below:

	Reimbursable ($000)	Direct Cite ($000)	Total ($000)
FY 1992	13,895.8	270.0	14,165.8
FY 1993	14,266.8	1,750.3	16,017.1
FY 1994	8,279.9	842.0	9,121.9
FY 1995	6,037.7	0.0	6,037.7

Direct program contracts (all sources) are listed on attachment A

Q7. Please supply me with the annual operating budgeting of NRL-USRD for FY-92 - FY-95 in detail, including separate line items for the following items: payroll, utilities, real property maintenance, leases, and contract employees.

A7. Annual operating budget information for NRL-USRD for FY 1992 - FY 1995 is provided on attachment B.

Q8. It is my understanding that DoN uses the anechoic tank facility to test critical Navy underwater acoustic devices and related materials for the ADCAP torpedo sonar and acoustic hull treatments for the new attack submarine. What will DoN do to replace the anechoic tank facility? At what total cost? How much down time is required to accommodate this relocation?

A8. The Anechoic Tank Facility II (ATF II) will be relocated to NUWC Newport. The certified scenario development data call response from NRL-USRD reported a cost of $1.853M to break down and transport the ATF II and a cost of $3.517M to reassemble the AFT II at NUWC Newport, for a total cost of $5.370M. Certified data indicates this relocation will require less than one year to accomplish. Other tanks at NRL-USRD will be excessed and tanks existing at other sites will be used.

Q9. It is my understanding that DoN uses its low-frequency facility in Orlando to test critical Navy underwater acoustic devices and related materials for the SOSUS hydrophones and acoustic hull treatments for the new attack submarine. What will DoN do the replace the low frequency facility? At what total cost? How much down time is required to accommodate this relocation?

A9. The low-frequency facility at NRL-USRD will not be relocated to NUWC Newport. The Navy will utilize existing low-frequency facilities at other Naval activities/ranges to satisfy mission/customer requirements of this nature.

Q10. Does the gaining activity, NUWCDIVNPT, plan to retain the lake facility at Leesburg? How will USRD perform the testing now conducted at this location without Leesburg? Please elaborate and include any additional costs associated with conducting these test at a different location.

A10. The Leesburg facility will not be retained. This decision is consistent with the Navy's goal to continue down-scoping of acoustic testing to a few, full-spectrum activities. The Navy will utilize existing facilities at other Naval activities to accomplish testing similar to that conducted at the Leesburg site.

Q11. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "level of forces and of the budget are reliable indicators of sharp declines in technical center workload through FY-2001, which leads to a recognition of excess capacity in these activities." Please provide the excess capacity analysis that was performed regarding the NRL-USRD that led to the conclusion that there was excess capacity in the category of work performed at this center.

A11. The Department of Navy calculated excess technical capacity at an aggregate level as explained in the report and deliberative minutes. In the activities involved with technical efforts, the Navy has excess capacity of 15237 workyears by FY 1997 and 26587 workyears by FY2001. Excess capacity was reduced by the consolidation of necessary functions, equipment and personnel to fewer number of sites.

Q12. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "disestablishment of this laboratory reduces excess capacity by eliminating unnecessarily redundant capability..." Please indicate the activities, measurements, testing, evaluation, calibrations and standards functions that are concurrently performed at the NRL-USRD that is being concurrently preformed at any other facility and please provide the name of each such facility.

A12. Functions such as measurement, testing, evaluation, and calibration and standards of acoustic transducers and materials are also performed at NSWC Carderock, MD; NUWC Keyport, WA; NUWC Newport, RI; NSWC Crane, IN; NSWC Panama City, FL; and NCCOSC, San Diego, CA. Although there is little direct duplication among all of these sites, appropriate skills, disciplines and equipment exists to assume additional workload and functions. Where specific equipment is not available at a proposed receiving site, appropriate equipment is moved.

Q13. It is my understanding that NRL-USRD is the only facility of its nature that is located in a southern, warm climate. Is this correct? If so, please indicate how testing, evaluations, calibrations, and standards functions performed in this environment can be considered "redundant?"

A13. The Navy also operates ranges and facilities in the Bahamas and along the Gulf Coast and in other locations. As noted in A-12, there are other facilities where similar work is being or can be performed. The Navy will utilize these and other facilities to continue necessary functions.

Q14. Please provide me the historical reasons for why the Navy established the NRL-USRD in Orlando in the 1940's.

A14. The Underwater Sound Reference Laboratory (USRL) was established in 1941. At that time, in the infancy of underwater acoustics, there was a need for an organized program for developing standard hydrophonic instruments and methods for making precision measurements on underwater acoustical devices. Toward fulfilling this need, a contract between the Navy's Office of Scientific Research and Development (now the Office of Naval Research) and the Western Electric Company was signed for the establishment of USRL, with experimental work to be performed by the Bell Telephone Laboratories.

Lake Gem Mary, one mile South of Orlando, Florida, was selected as the site because of its nearly circular shoreline and roughly conical bottom. Furthermore, the climate offered assurance that the water would be free of ice the year round. In addition, a small lake was considered more suitable, at that time, than a stream or a larger body of water, because it would have less interference from waves, tides, and boat traffic.

Q15. It is my understanding that the NRL-USRD is the Navy's institution for standardizing underwater acoustic measurements and that USRD provides a link in the traceability of underwater acoustic measurements to the National Institute of Standards and Technology (NIST). How will the relocation of this facility and the inevitable loss of expertise, interruption of testing, and reestablishment of facilities in NUCWDIVNPT affect this essential provided by USRD? What is the estimated total time of interruption of services that are associated with this relocation?

A15. Continuing with the DoN thrust of previous consolidations, NUWC Newport will become the primary source for standardizing underwater acoustic measurements. Total time of interruption of services associated with relocation to NUWC Newport is an implementation issue. However, certified data from NRL-USRD reports that relocation will require less than one year.

Q16. In analyzing this option, did the Department explore the possibility of losing a large contingency of the expertise associated with this facility because some personnel at NRL-USRD will not make the move to Newport? If so, how does the Navy intend to accommodate for the lack of qualified and experienced personnel? Is the loss of this experience of any value to the Navy? Was this potential loss factored into any of the discussions regarding the less than modest savings generated by this relocation?

A16. The Navy recognizes that personnel possessing acoustic expertise and skills are resident at a number of Naval facilities other than NRL-USRD. The Navy will rely on personnel at these other Naval activities for this expertise if the personnel

associated with acoustics at NRL-USRD decide not to move as invited. Considerations of skill loss and subsequent skill building was attendant in all closures affected by the Navy.

Q17. It is my understanding that the Department of the Navy (DoN) has relied upon the warm water calibration data of NRL-USRD for the last fifty years. The water temperatures of northern test facilities obviously vary from those found in Orlando. With a move to Newport, DoN will no longer be able to compare fifty years of data to present underwater sound measurements. How will this effect the reliability and confidence of measurements and calibrations in the future? Please elaborate on the extent of this loss and its long term impact on sonar transducers currently being utilized by the fleet.

A17. The Navy will rely on all historic data including that available at other Naval activities and validate through correlation.

Q18. After reviewing the materials available in the BRAC Library, I was unable to locate any information regarding the receiving facilities at NUWCDIVNPT. Please describe the renovation and/or construction needs of existing or new facilities located at NUWCDIVNPT necessary to accommodate the relocation of NRL-USRD and NUWCDETNL. In answering this question, please provide the costs associated with each renovation or construction project.

A18. Due to continued down-sizing ongoing at NUWC Newport and elsewhere in the Navy, adequate space already exists at NUWC Newport, and no new construction or renovation will be required to accommodate the relocation of functions and personnel from NRL-USRD. A foundation already exists at NUWC Newport on which to place the ATF test tank.

Q19. Will the relocation of 55 employees from NRL-USRD, sonar standard transducers, and calibration equipment increase the costs of operation (maintenance and utilities) in Newport? If so, please specify why.

A19. The COBRA algorithms estimated an increase of BOS costs of $409K at NUWC Newport based on the numbers of positions transferring into NUWC Newport from NRL-USRD. This cost is reflected in the net BOS savings of $.3M discussed in answer 4.

Q20. It is my understanding that the Anechoic Tank Facility II (ATFII) will be relocated to NUWC under the BRAC 95 scenario; however, the cost data included in the COBRA scenario development does not include any MILCON at NUWC. Where will the DoN relocate ATFII, in an existing facility? Please identify any of the renovation or rehabilitation costs associated with the building that will house ATFII in Newport. In addition, please provide the actual estimates for relocating the tank itself to Newport.

A20. The certified scenario development data call response from NRL-USRD reported a cost of $1.853M to break down and transport the AFT II and a cost of $3.517M to reassemble the AFT II at NUWC Newport, for a total cost of $5.370M. Concrete foundations are already in place at NUWC Newport.

Q21. COBRA data provided to my office indicates a recurring savings of civilian salaries of $1,231,000 in 1997 and $2,461,000 in successive years. Please explain how these savings are generated. Do they result from savings associated with the 45 positions eliminated in the scenario? How is a savings generated to DoD if these employee are DBOF employees? Why wouldn't these savings occur whether NRL-USRD is moved or stays in Orlando?

A21. The salary savings shown in this scenario are based on the 45 civilian positions eliminated. The COBRA algorithms estimate a half a year's savings in the year the positions are eliminated and full savings for successive years. Salary savings are obtained by eliminating jobs. This reduction in jobs will result in savings to the Department regardless of how the closing activity is funded, e.g., DBOF, O&M, RDT&E, etc. Salary savings are obtained by shutting down facilities and eliminating operations at NRL-USRD Orlando. These savings would not be achieved if NRL-USRD Orlando remains open.

Q22. It appears that the Navy is attempting to consolidate laboratory missions to create a more efficient operation. Towards that end, it certainly makes a great deal of sense to incorporate the NRL-USRD under the NUWC. However, it would appear to make equal sense, given some of the unique capabilities of NRL-USRD, for the DoN to consider the possibility of consolidating all of NUWC's transducer calibration and experimentation personnel in NRL-USRD. Was this option considered? If not, why not? If so, please provide a complete summary of data and deliberations engaged in during your review of this scenario.

A22. This option was not considered due to the Navy's goal to consolidate similar functions and reduce the total number of sites.

Q23. It is my understanding that the decision to close NUWC, New London means the relocation of seven facilities to NUWCDIVNPT. Of these activities, (1) Submarine & Surface Ship Sonar Transducer RDT&E Complex; (2) Submarine Sonar Development & Evaluation Complex; (3) Underwater Mobile and Deployed Sonar Arrays RDT&E Complex; (4) Turbulent Boundary Layer Hydroacoustic Experimental Quiet Water Tunnel Facility; (5) Tactical Sonar Measurements and Analysis Facility; (6) Acoustic Array Experimental Measurement Facility; and (7) Sonar Array Microelectronics Development Facility, please list the space and personnel requirements for each. Furthermore, please indicate

which activities, if any, perform transducer calibration and experimentation.

A23. All personnel, equipment, and facilities relocating to NUWC Newport from NUWC New London will be accommodated by refurbishment of existing NUWC and NETC Newport facilities. None of the facilities relocating from NUWC New London were specifically designed to perform transducer calibration, however they do perform transducer research and experimentation. The calibration functions will be performed among these facilities, the ATF, and existing ranges.

NRL-USRD CONTRACT OBLIGATIONS /1

CONTRACT NUMBER	VENDOR NAME	FY92	FY93	FY94	FY95 /2
N0001488C2234	ACTRAN SYSTEMS INC	770,550	685,330		
N0001492C2244	ATLANTA SIGNAL PROCESSORS	31,743			
N0001489D2010/0019	BRANTNER & ASSOCIATES	1,738			
N0001489D2010/0020	BRANTNER & ASSOCIATES		2,550		
N0001489D2010/0024	BRANTNER & ASSOCIATES			3,500	
N0001489D2010/0025	BRANTNER & ASSOCIATES			5,144	
N0001491C2148	DAVID H. TRIVETT, INC	50,750			
N0001493C6038	DWS INTERNATIONAL INC		455,254		
N0001493C6035	EMPIRE MAGNETICS INC		60,000		
N6817194C9021	FUGRO-UDI LTD			28,033	
N0001489C2140	GLOBAL ASSOCIATES, LTD	321,752			
N0001490C6010	GRUMMAN DATA SYSTEM CORP		2,000		
N0001489C2262	HYDROACOUSTICS INC		757,000		
N0001494C6012	HYDROSCIENCE INC			654,294	
N0001492C2184	NETWORK FIELD SERVICES, INC	28,950			
N0001493C2146	NIMROD ENGINEERING		268,038	178,000	
N0001492J4025	NY STATE COLLEGE OF CERAMIC	51,976			
N0001493C2021	TEXAS RESEARCH INST		720,446	251,058	25,000
N0001489C2431	TEXAS RESEARCH INTNL	418,092			
N0001492C2203	THE BECHDON COMPANY INC	44,800			
N0001490J4077	THE PENNSYLVANIA STATE UNV	99,588			
N0001493C0231	THE PENNSYLVANIA STATE UNV		55,000		
N0001492C2230	TIOGA PIPE SUPPLY CO, INC	128,679			
N0001493D6032/0001	TRI TESSCO INC		457,048	156,786	48,400
N0001493D6032/0002	TRI TESSCO INC			41,038	
N0001488C2478	TRI TESSCO INC	228,485			
N0001489C2177	TRI TESSCO INC	180,290	80,107		
N0001493C2085	TRI TESSCO INC		379,480	93,400	36,000
N0001491C2132	VECTOR RESEARCH COMPANY	32,000			
		2,400,393	3,902,253	1,411,251	109,400

/1 Direct Program contracts

/2 FY1995 includes actual data through April 1, 1995.

Attachment A

NRL-USRD ANNUAL OPERATING BUDGET
Dollars in Thousands

	FY 1992	FY 1993	FY 1994	FY 1995
Civilian Payroll	$5,746	$6,386	$5,976	$5,373
Real Property Maintenance and Repair	644	681	431	374
Utilities	184	200	205	250
Leases	34	34	34	31
Contracts and Other	6,972	8,062	3,842	3,975
TOTAL	$13,579	$15,363	$10,488	$10,003
The operating budget includes costs of contract employees, as follows:	$3,160	$2,913	$1,290	$561

Contracts and Other includes contracts, materials, travel, equipment, telephones, printing, library service transportation, tuition, and technical information support services.

Attachment B

As of: 12:28 30 May 1995

Economic Impact Data

Activity: NRLUWSREFDET
Economic Area: *Orange, Osceola, & Seminole Counties, FL

Impact of Proposed BRAC-95 Action at NRLUWSREFDET:

Total Population of *Orange, Osceola, & Seminole Counties, FL (1992):	**1,143,500**
Total Employment of *Orange, Osceola, & Seminole Counties, FL, BEA (1992):	**706,429**
Total Personal Income of *Orange, Osceola, & Seminole Counties, FL (1992 actual):	**$21,485,650,000**
BRAC 95 Total Direct and Indirect Job Change:	**(292)**
BRAC 95 Potential Total Job Change Over Closure Period (% of 1992 Total Employment)	**0.0%**

		1994	1995	1996	1997	1998	1999	2000	2001	Total
Relocated Jobs:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	(55)	0	0	0	0	(55)
Other Jobs:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	(54)	0	0	0	0	(54)

BRAC 95 Direct Job Change Summary at NRLUWSREFDET:

	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	(109)	0	0	0	0	(109)
	TO	0	0	0	(109)	0	0	0	0	(109)

Indirect Job Change: (183)

Total Direct and Indirect Job Change: (292)

Other Pending BRAC Actions at NRLUWSREFDET (Previous Rounds):

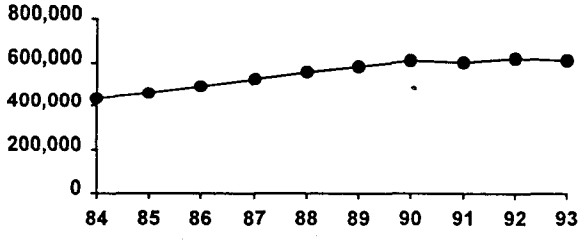
	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0

*Orange, Osceola, & Seminole Counties, FL Profile:

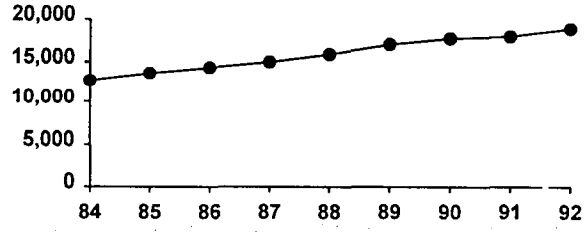
Civilian Employment, BLS (1993): 611,574

Average Per Capita Income (1992): $18,790

Employment Data [1]



Per Capita Personal Income Data



Annualized Change in Civilian Employment (1984-1993)

Employment:	19,970
Percentage:	4.0%
U.S. Average Change:	1.5%

Annualized Change in Per Capita Personal Income (1984-1992)

Dollars:	$752
Percentage:	5.0%
U.S. Average Change:	5.3%

Unemployment Rates for *Orange, Osceola, & Seminole Counties, FL and the US (1984 - 1993):

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Local	5.3%	4.9%	4.7%	4.6%	4.5%	5.0%	5.3%	6.4%	7.0%	6.1%
U.S.	7.5%	7.2%	7.0%	6.2%	5.5%	5.3%	5.5%	6.7%	7.4%	6.8%

1 Note: Bureau of Labor Statistics employment data for 1993, which has been adjusted to incorporate revised methodologies and 1993 Bureau of the Census metropolitan area definitions are not fully compatible with 1984 - 1992 data.

As of: 12:28 30 May 1995

Economic Impact Data

Activity: NRLUWSREFDET

Economic Area: *Orange, Osceola, & Seminole Counties, FL

Cumulative BRAC Impacts Affecting *Orange, Osceola, & Seminole Counties, FL:

Cumulative Total Direct and Indirect Job Change:	**(13,201)**
Potential Cumulative Total Job Change Over Closure Period (% of 1992 Total Employ	**(1.9%)**

		1994	1995	1996	1997	1998	1999	2000	2001	Total
Other Proposed BRAC 95 Direct Job Changes in Economic Area (Excluding NRLUWSREFDET)										
Army:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Navy:	MIL	0	0	4	1	0	0	0	0	5
	CIV	0	0	16	32	0	0	0	(38)	10
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other Pending Prior BRAC Direct Job Changes in Economic Area (Excluding NRLUWSREFDET)										
Army:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Navy:	MIL	(53)	(3,663)	(979)	(1)	(3,317)	(209)	0	0	(8,222)
	CIV	(32)	(547)	(11)	(47)	(113)	(654)	0	0	(1,404)
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Cumulative Direct Job Change in *Orange, Osceola, & Seminole Counties, FL Statistical Area (Including NRLUWSREFDET)										
	MIL	(53)	(3,663)	(975)	0	(3,317)	(209)	0	0	(8,217)
	CIV	(32)	(547)	5	(124)	(113)	(654)	0	(38)	(1,503)
	TO	(85)	(4,210)	(970)	(124)	(3,430)	(863)	0	(38)	(9,720)
								Cumulative Indirect Job Change:		(3,481)
								Cumulative Total Direct and Indirect Job Change:		(13,201)

CORRECTIONS THAT NEED TO BE MADE TO THE SCORE SHEETS

HUMAN SYSTEMS/MANPOWER AND PERSONNEL

1. USARIEM

- Ink or erase notations next to Question 1
- Navy score needed on Question 15

2. AARL

- Ink or erase notations next to Question 1

3. Armstrong Lab-Brooks AFB

- Ink or erase notations next to Question 1

4. NPRDC-San Diego

- Army initials needed on Question 1
- Navy initials needed on every question

5. NMRI-Bethesda

- Ink or erase notation next to Question 1
- Navy initials needed on every question

6. NAMRL-Pensacola

- Navy initials needed on every question
- Replace fifth page of score sheet

HUMAN SYSTEMS/MANPOWER AND PERSONNEL SCORE SHEETS

1. USARIEM

2. AARL

3. Armstrong Lab-Brooks AFB

4. NPRDC-San Diego

5. NMRI-Bethesda

6. NAMRL-Pensacola

CORRECTIONS THAT NEED TO BE MADE TO THE SCORE SHEETS

HUMAN SYSTEMS/MANPOWER AND PERSONNEL

1. USARIEM

- Ink or erase notations next to Question 1
- Navy score needed on Question 15

2. AARL

- Ink or erase notations next to Question 1

3. Armstrong Lab-Brooks AFB

- Ink or erase notations next to Question 1

4. NPRDC-San Diego

- Army initials needed on Question 1
- Navy initials needed on every question

5. NMRI-Bethesda

- Ink or erase notation next to Question 1
- Navy initials needed on every question

6. NAMRL-Pensacola

- Navy initials needed on every question
- Replace fifth page of score sheet

HUMAN SYSTEMS/MANPOWER AND PERSONNEL SCORE SHEETS

1. USARIEM

2. AARL

3. Armstrong Lab-Brooks AFB

4. NPRDC-San Diego

5. NMRI-Bethesda

6. NAMRL-Pensacola

HUM/PER – USA RIEM

Appendix D

Evaluation Criteria Scoring Sheets

____/____/____
SVC/Activity/CSF#

EVALUATORS: Army LTC Thomas

Air Force (W) MR. MCELUVA / LTC BUNION / MR. FRYSINGER

Navy MR. TRICK / CMDR EVANS

- CHEM/BIO
- CLOTH/TEXT
- COMBAT CAS CARE
- GROVEH

Question 3.0 Mission.

(1) ENTER: NUMERIC COUNT (1, 2, 3,...)

A	N	AF	F
4	4	4	4

Numerically count the number of other common Support Functions (CSF) for the Activity. Add to it the number of interconnectivities stated in the data response (Question 3.0 Mission) subject to the following constraints:

a. Must be technical functions
b. Must be within the Laboratory Activity
c. Function is not part of another JCSG functional category, e.g., T&E

Question 3.1.1 Geographical/Climatological.

(2) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more geographic feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.1 Geographical/Climatological.

(3) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more climatological feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.3 Environmental Constraints

A	N	AF	F
2	0	0	0

(4) ENTER: NUMERIC COUNT (1, 2, 3, ...)

Numerically count the number of environmental and/or land use constraints listed **which limit or restrict** the performance of the CSF in the narrative of this question. A constraint imposed by more than one level of government should be counted only once.

Question 3.1.4 Special Support Infrastructure

A	N	AF	F
1	0	0	0

(5) ENTER: YES/NO (YES = 1, NO = 0)

If this narrative contains one or more responses/listings of **special support infrastructure** (e.g. water, power, rairoads, roads, telephone/data lines, etc.) that is **required over and above** that typically available for general activity operations, respond with a YES. Hilite those responses/listings that meet this criteria for use by the response (13) scoring team. [This question is to be scored prior to (13)]

Question 3.2.1 Total Personnel

(6) ENTER: VALUES CONTAINED IN THE MATRIX

A N AF F

	Government Civilian	Government Military	On-Site FFRDC	On-Site SETA
Technical	34	53	0	17
Mngmt(Supv)	9	9	3	0
Other	12	11	0	0

Transfer of values from the matrix submitted for this CSF.

Question 3.2.2 Education

(7) ENTER: VALUES CONTAINED IN THE MATRIX FOR THE COLUMNS ENTITLED "TECHNICAL" AND "MANAGEMENT"

	Technical	Management (Supv)
HS or less	15	1
Associates	2	0
Bachelor	22	4
Masters	20	0
Doctorate	28	14

A N AF F

Transfer of values from the matrix submitted for this CSF only for the first two columns of the data submitted, entitled "Technical" and "Management".

Question 3.2.3 Experience of Government Personnel A N AF F

(8) ENTER: VALUES IN THE DATA CALL MATRIX FOR THE LINE ENTITLED "TECHNICAL" PERSONNEL ONLY

	<3	3-10yrs	11-15yrs	16-20yrs	>20
Technical	21	28	13	11	13

Transfer the values from the experience matrix for this CSF only for the row entitled "Technical" personnel.

Question 3.2.4.1 Patents for Government Personnel

(9) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0. A N AF F

1 1 1 1

Count the number of patents listed as **awarded** for this CSF, **do not** count patents which have been disclosed.

THE FOLLOWING VALUES ARE USED TO NORMALIZE (9) AND (10): FROM TABLE 3.3.1.1 ENTER THE VALUES AT THE INTERSECTION OF THE COLUMNS ENTITLED "CIVILIAN" AND "MILITARY" WITH THE ROW LABELED "SCIENCE & TECHNOLOGY"

	Civilian	Military	A N AF F
Science&Technology	70	65.8	

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A N AF F
105 105 10 105

Count the number of papers published in peer reviewed journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER
ACAT IC	0
ACAT ID	0
ACAT II	0
ACAT III/IV	0
Other	0

A N AF F

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

0 (12)
A N AF F
0 N

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.4.1 Major Facilities/Equipment at Activity

(13) ENTER: THE TOTAL $ VALUE FOR ALL ENTRIES IN THE MATRIX UNDER THE COLUMN ENTITLED "REPLACEMENT COST" IF THEY ARE GREATER THAN $10M. $50M

A N AF F

Only facilities or equipment which have a replacement cost in excess of $10 million will be counted for this question. The entry for the CSF will be a total of all the facilities or equipment listed meeting this dollar threshhold requirement. Do not include any special support infrastructure that was hilited during scoring of question 3.1.4.

Question 3.4.1 Major Facilities/Equipment at Activity

A N AF F

(14) ENTER: TOTAL VALUE FROM (13) AND SUM OF %S FOR SHARED FACILITIES/EQUIPMENT (% Total NOT used by this CSF)

For Each Facility/Piece of Equipment:

Total % Shared	**Replacement Cost ($M)**
____	____
____	____
.	.
.	.
.	.

TOTAL VALUE 25M

For the facilities/equipment listed in (13) which have a replacement value of greater than $10M and are shared by other product or pervasive support functions. Enter for each facility or piece of equipment the total % which is shared by other support functions and the replacement cost for it which was used in the calculation for (13) above. The % listed for any single facility or piece of equipment must be less than 100%. The replacement cost is multiplied by the % shared and then summed to arrive at the "TOTAL VALUE" to be entered in D-Pads [eg .40 (40%) x $20M + .20 (20%) x $120M + ... = **$TOTAL VALUE**]

Question 3.5.2 Land Use

(15) ENTER: YES/NO (YES = 1, NO = 0) 1

A N AF F

1 1 1

If the response to this question lists the number of buildable acres at an installation as greater than 10 for any CSF except those in the Product CSF of "Weapons", enter YES. For a "Weapons" CSF, the value listed must be greater than 50 acres to enter YES.

AARL
HUM / PER

Appendix D

Evaluation Criteria Scoring Sheets

____/____/____
SVC/Activity/CSF#

EVALUATORS: Army Steve Balint / LTC Thomas

Air Force Mr. McElvain / Mr. Frysinger / LTC Binion

Navy Mr. Trick / CMDR Evans

Question 3.0 Mission.

(1) ENTER: NUMERIC COUNT (1, 2, 3,...)

A	N	AF	F
4	4	4	4

- GRD VEH
- CLOTH / TEX
- CHEM / BIO
- C3

Numerically count the number of other common Support Functions (CSF) for the Activity. Add to it the number of interconnectivities stated in the data response (Question 3.0 Mission) subject to the following constraints:

a. Must be technical functions
b. Must be within the Laboratory Activity
c. Function is not part of another JCSG functional category, e.g., T&E

Question 3.1.1 Geographical/Climatological.

(2) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more geographic feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.1 Geographical/Climatological.

(3) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more climatological feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.3 Environmental Constraints

A	N	AF	F
0	0	0	0

(4) ENTER: NUMERIC COUNT (1, 2, 3, ...)

Numerically count the number of environmental and/or land use constraints listed **which limit or restrict** the performance of the CSF in the narrative of this question. A constraint imposed by more than one level of government should be counted only once.

Question 3.1.4 Special Support Infrastructure

A	N	AF	F
0	0	0	0

(5) ENTER: YES/NO (YES = 1, NO = 0)

If this narrative contains one or more responses/listings of **special support infrastructure** (e.g. water, power, rairoads, roads, telephone/data lines, etc.) that is **required over and above** that typically available for general activity operations, respond with a YES. Hilite those responses/listings that meet this criteria for use by the response (13) scoring team. [This question is to be scored prior to (13)]

Question 3.2.1 Total Personnel

(6) ENTER: VALUES CONTAINED IN THE MATRIX

A N AF F

	Government Civilian	Government Military	On-Site FFRDC	On-Site SETA
Technical	43	48	0	24
Mngmt(Supv)	5	8	0	0
Other	25	6	0	0

Transfer of values from the matrix submitted for this CSF.

Question 3.2.2 Education

(7) ENTER: VALUES CONTAINED IN THE MATRIX FOR THE COLUMNS ENTITLED "TECHNICAL" AND "MANAGEMENT"

A N AF F

	Technical	Management (Supv)
HS or less	28	2
Associates	2	0
Bachelor	29	2
Masters	11	3
Doctorate	21	6

Transfer of values from the matrix submitted for this CSF only for the first two columns of the data submitted, entitled "Technical" and "Management".

Question 3.2.3 Experience of Government Personnel A N AF F

(8) ENTER: VALUES IN THE DATA CALL MATRIX FOR THE LINE ENTITLED "TECHNICAL" PERSONNEL ONLY

	<3	3-10yrs	11-15yrs	16-20yrs	>20
Technical	9	40	18	14	10

Transfer the values from the experience matrix for this CSF only for the row entitled "Technical" personnel.

Question 3.2.4.1 Patents for Government Personnel

(9) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0. A N AF F

0 0 0

Count the number of patents listed as **awarded** for this CSF, **do not** count patents which have been disclosed.

THE FOLLOWING VALUES ARE USED TO NORMALIZE (9) AND (10): FROM TABLE 3.3.1.1 ENTER THE VALUES AT THE INTERSECTION OF THE COLUMNS ENTITLED "CIVILIAN" AND "MILITARY" WITH THE ROW LABELED "SCIENCE & TECHNOLOGY"

	Civilian	Military	A N AF F
Science&Technology	78.5	72.8	

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A N AF F
26 26 26 26

Count the number of papers published in **peer reviewed** journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER
ACAT IC	0
ACAT ID	0
ACAT II	0
ACAT III/IV	0
Other	0

A N AF F
0 0

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

A N AF F
0 0

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.4.1 Major Facilities/Equipment at Activity

(13) ENTER: THE TOTAL $ VALUE FOR ALL ENTRIES IN THE MATRIX UNDER THE COLUMN ENTITLED "REPLACEMENT COST" IF THEY ARE GREATER THAN $10M. $45M

A N AF F

Only facilities or equipment which have a replacement cost in excess of $10 million will be counted for this question. The entry for the CSF will be a total of all the facilities or equipment listed meeting this dollar threshhold requirement. Do not include any special support infrastructure that was hilited during scoring of question 3.1.4.

Question 3.4.1 Major Facilities/Equipment at Activity

A N AF F

(14) ENTER: TOTAL VALUE FROM (13) AND SUM OF %S FOR SHARED FACILITIES/EQUIPMENT (% Total NOT used by this CSF)

For Each Facility/Piece of Equipment:

Total % Shared	Replacement Cost ($M)
____	____
____	____
.	.
.	.
.	.

TOTAL VALUE Ø

For the facilities/equipment listed in (13) which have a replacement value of greater than $10M and are shared by other product or pervasive support functions. Enter for each facility or piece of equipment the total % which is shared by other support functions and the replacement cost for it which was used in the calculation for (13) above. The % listed for any single facility or piece of equipment must be less than 100%. The replacement cost is multiplied by the % shared and then summed to arrive at the "TOTAL VALUE" to be entered in D-Pads [eg .40 (40%) x $20M + .20 (20%) x $120M + ... = **$TOTAL VALUE**]

Question 3.5.2 Land Use

(15) ENTER: YES/NO (YES = 1, NO = 0)

A N AF F
1 1 1 1

If the response to this question lists the number of buildable acres at an installation as greater than 10 for any CSF except those in the Product CSF of "Weapons", enter YES. For a "Weapons" CSF, the value listed must be greater than 50 acres to enter YES.

HUM/PER - BROOKS
ARMSTRONG LAB

Appendix D

Evaluation Criteria Scoring Sheets

____/____/____
SVC/Activity/CSF#

EVALUATORS: Army LTC THOMAS

Air Force MR. MLEZIVA / MR. FRYSINGER / LTC BINION

Navy MR. TRICK / CMDR EVANS

Question 3.0 Mission.

(1) ENTER: NUMERIC COUNT (1, 2, 3,...)

A	N	AF	F
5	5	5	5

- TNG
- CHEM / BIO
- ABROGATED ENVIR EFFECTS
- NUC WPNS EFFECTS
- COMBAT CASUALTY

Numerically count the number of other common Support Functions (CSF) for the Activity. Add to it the number of interconnectivities stated in the data response (Question 3.0 Mission) subject to the following constraints:

a. Must be technical functions
b. Must be within the Laboratory Activity
c. Function is not part of another JCSG functional category, e.g., T&E

Question 3.1.1 Geographical/Climatological.

(2) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more geographic feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.1 Geographical/Climatological.

(3) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more climatological feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.3 Environmental Constraints

A	N	AF	F
0	0	0	0

(4) ENTER: NUMERIC COUNT (1, 2, 3, ...)

Numerically count the number of environmental and/or land use constraints listed **which limit or restrict** the performance of the CSF in the narrative of this question. A constraint imposed by more than one level of government should be counted only once.

Question 3.1.4 Special Support Infrastructure

A	N	AF	F
0	0	0	0

(5) ENTER: YES/NO (YES = 1, NO = 0)

If this narrative contains one or more responses/listings of **special support infrastructure** (e.g. water, power, rairoads, roads, telephone/data lines, etc.) that is **required over and above** that typically available for general activity operations, respond with a YES. Hilite those responses/listings that meet this criteria for use by the response (13) scoring team. [This question is to be scored prior to (13)]

Question 3.2.1 Total Personnel

(6) ENTER: VALUES CONTAINED IN THE MATRIX

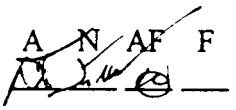
	Government Civilian	Government Military	On-Site FFRDC	On-Site SETA
Technical	112	230	0	128
Mngmt(Supv)	22	26	0	0
Other	170	102	0	20

Transfer of values from the matrix submitted for this CSF.

Question 3.2.2 Education

(7) ENTER: VALUES CONTAINED IN THE MATRIX FOR THE COLUMNS ENTITLED "TECHNICAL" AND "MANAGEMENT"

	Technical	Management (Supv)
HS or less	123	1
Associates	35	0
Bachelor	56	2
Masters	51	14
Doctorate	91	34



Transfer of values from the matrix submitted for this CSF only for the first two columns of the data submitted, entitled "Technical" and "Management".

Question 3.2.3 Experience of Government Personnel A N AF F

(8) ENTER: VALUES IN THE DATA CALL MATRIX FOR THE LINE ENTITLED "TECHNICAL" PERSONNEL ONLY

	<3	3-10yrs	11-15yrs	16-20yrs	>20
Technical	51	160	60	52	34

Transfer the values from the experience matrix for this CSF only for the row entitled "Technical" personnel.

Question 3.2.4.1 Patents for Government Personnel

(9) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0. A N AF F

1 1 2 1

Count the number of patents listed as **awarded** for this CSF, **do not** count patents which have been disclosed.

THE FOLLOWING VALUES ARE USED TO NORMALIZE (9) AND (10): FROM TABLE 3.3.1.1 ENTER THE VALUES AT THE INTERSECTION OF THE COLUMNS ENTITLED "CIVILIAN" AND "MILITARY" WITH THE ROW LABELED "SCIENCE & TECHNOLOGY"

	Civilian	Military	
Science&Technology	306	359	A N AF F

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A N AF F
153 153 153 153

Count the number of papers published in peer reviewed journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER
ACAT IC	0
ACAT ID	0
ACAT II	0
ACAT III/IV	0
Other	0

A N AF F
0

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

A N AF F
0 0 0 0

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.4.1 Major Facilities/Equipment at Activity

(13) ENTER: THE TOTAL $ VALUE FOR ALL ENTRIES IN THE MATRIX UNDER THE COLUMN ENTITLED "REPLACEMENT COST" IF THEY ARE GREATER THAN $10M. $63.2M

A N AF F

Only facilities or equipment which have a replacement cost in excess of $10 million will be counted for this question. The entry for the CSF will be a total of all the facilities or equipment listed meeting this dollar threshhold requirement. Do not include any special support infrastructure that was hilited during scoring of question 3.1.4.

Question 3.4.1 Major Facilities/Equipment at Activity

A N AF F

(14) ENTER: TOTAL VALUE FROM (13) AND SUM OF %S FOR SHARED FACILITIES/EQUIPMENT (% Total NOT used by this CSF)

For Each Facility/Piece of Equipment:

Total % Shared	**Replacement Cost ($M)**
____	____
____	____
.	.
.	.
.	.

TOTAL VALUE Ø

For the facilities/equipment listed in (13) which have a replacement value of greater than $10M and are shared by other product or pervasive support functions. Enter for each facility or piece of equipment the total % which is shared by other support functions and the replacement cost for it which was used in the calculation for (13) above. The % listed for any single facility or piece of equipment must be less than 100%. The replacement cost is multiplied by the % shared and then summed to arrive at the "TOTAL VALUE" to be entered in D-Pads [eg .40 (40%) x $20M + .20 (20%) x $120M + ... = **$TOTAL VALUE**]

Question 3.5.2 Land Use

(15) ENTER: YES/NO (YES = 1, NO = 0)

A N AF F
1 1 1 1

If the response to this question lists the number of buildable acres at an installation as greater than 10 for any CSF except those in the Product CSF of "Weapons", enter YES. For a "Weapons" CSF, the value listed must be greater than 50 acres to enter YES.

HUM/PER

NPDRC San Diego

Appendix D

Evaluation Criteria Scoring Sheets

___/___/___ EVALUATORS: Army LTC Thomas
SVC/Activity/CSF#

Air Force MR. MCELIVA/MR. FRYSINGER/LTC BINION

Navy MR. TRICK/ CMDR EVANS

Question 3.0 Mission.

(1) ENTER: NUMERIC COUNT (1, 2, 3,...)

A	N	AF	F
1	1	1	1

Training Systems

Numerically count the number of other common Support Functions (CSF) for the Activity. Add to it the number of interconnectivities stated in the data response (Question 3.0 Mission) subject to the following constraints:

a. Must be technical functions
b. Must be within the Laboratory Activity
c. Function is not part of another JCSG functional category, e.g., T&E

Question 3.1.1 Geographical/Climatological.

(2) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more geographic feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.1 Geographical/Climatological.

(3) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more climatological feature(s) that have been justified as **required** to perform this CSF, answer Yes.

Question 3.1.3 Environmental Constraints

A	N	AF	F
0	0	0	0

(4) ENTER: NUMERIC COUNT (1, 2, 3, ...)

Numerically count the number of environmental and/or land use constraints listed **which limit or restrict** the performance of the CSF in the narrative of this question. A constraint imposed by more than one level of government should be counted only once.

Question 3.1.4 Special Support Infrastructure

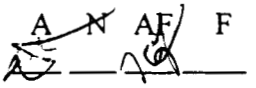
A	N	AF	F
0	0	0	0

(5) ENTER: YES/NO (YES = 1, NO = 0)

If this narrative contains one or more responses/listings of **special support infrastructure** (e.g. water, power, rairoads, roads, telephone/data lines, etc.) that is **required over and above** that typically available for general activity operations, respond with a YES. Hilite those responses/listings that meet this criteria for use by the response (13) scoring team. [This question is to be scored prior to (13)]

Question 3.2.1 Total Personnel

(6) ENTER: VALUES CONTAINED IN THE MATRIX



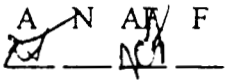
	Government Civilian	Government Military	On-Site FFRDC	On-Site SETA
Technical	67	2	0	0
Mngmt(Supv)	4	1	0	0
Other	21	6	0	0

Transfer of values from the matrix submitted for this CSF.

Question 3.2.2 Education

(7) ENTER: VALUES CONTAINED IN THE MATRIX FOR THE COLUMNS ENTITLED "TECHNICAL" AND "MANAGEMENT"

	Technical	Management (Supv)
HS or less	2	0
Associates	6	1
Bachelor	15	1
Masters	25	2
Doctorate	23	0



Transfer of values from the matrix submitted for this CSF only for the first two columns of the data submitted, entitled "Technical" and "Management".

Question 3.2.3 Experience of Government Personnel A N AF F

(8) ENTER: VALUES IN THE DATA CALL MATRIX FOR THE LINE ENTITLED "TECHNICAL" PERSONNEL ONLY

	<3	3-10yrs	11-15yrs	16-20yrs	>20
Technical	2	17	11	11	14

Transfer the values from the experience matrix for this CSF only for the row entitled "Technical" personnel.

Question 3.2.4.1 Patents for Government Personnel

(9) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0. A N AF F

1 1 1 1

Count the number of patents listed as **awarded** for this CSF, **do not** count patents which have been disclosed.

THE FOLLOWING VALUES ARE USED TO NORMALIZE (9) AND (10): FROM TABLE 3.3.1.1 ENTER THE VALUES AT THE INTERSECTION OF THE COLUMNS ENTITLED "CIVILIAN" AND "MILITARY" WITH THE ROW LABELED "SCIENCE & TECHNOLOGY"

	Civilian	Military	A N AF F
Science&Technology	48.7	5	

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A	N	AF	F
47	47	47	47

Count the number of papers published in **peer reviewed** journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER	A	N	AF	F
ACAT IC	0				
ACAT ID	0				
ACAT II	0				
ACAT III/IV	0				
Other	0				

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
	0	0	0

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.4.1 Major Facilities/Equipment at Activity

(13) ENTER: THE TOTAL $ VALUE FOR ALL ENTRIES IN THE MATRIX UNDER THE COLUMN ENTITLED "REPLACEMENT COST" IF THEY ARE GREATER THAN $10M.

A N AF F

0 — 40 —

Only facilities or equipment which have a replacement cost in excess of $10 million will be counted for this question. The entry for the CSF will be a total of all the facilities or equipment listed meeting this dollar threshhold requirement. Do not include any special support infrastructure that was hilited during scoring of question 3.1.4.

Question 3.4.1 Major Facilities/Equipment at Activity

A N AF F

40 —

(14) ENTER: TOTAL VALUE FROM (13) AND SUM OF %S FOR SHARED FACILITIES/EQUIPMENT (% Total NOT used by this CSF)

For Each Facility/Piece of Equipment:

Total % Shared	**Replacement Cost ($M)**
____	____
____	____
.	.
.	.
.	.

TOTAL VALUE 0

For the facilities/equipment listed in (13) which have a replacement value of greater than $10M and are shared by other product or pervasive support functions. Enter for each facility or piece of equipment the total % which is shared by other support functions and the replacement cost for it which was used in the calculation for (13) above. The % listed for any single facility or piece of equipment must be less than 100%. The replacement cost is multiplied by the % shared and then summed to arrive at the "TOTAL VALUE" to be entered in D-Pads [eg .40 (40%) x $20M + .20 (20%) x $120M + ... = **$TOTAL VALUE**]

Question 3.5.2 Land Use

(15) ENTER: YES/NO (YES = 1, NO = 0)

A N AF F

1 0 0 0

If the response to this question lists the number of buildable acres at an installation as greater than 10 for any CSF except those in the Product CSF of "Weapons", enter YES. For a "Weapons" CSF, the value listed must be greater than 50 acres to enter YES.

HUM/PER

NAVAL MEDICAL RESEARCH INSTITUTE
Bethesda

Appendix D

Evaluation Criteria Scoring Sheets

_____/_____/_____
SVC/Activity/CSF#

EVALUATORS: Army LTC THOMAS

Air Force MR. MLEZIVA / MR. FRYSINGER / LTC BINION

Navy MR. TRICK / CMDR EVANS

Question 3.0 Mission.

(1) ENTER: NUMERIC COUNT (1, 2, 3,...)

(w)

A	N	AF	F
2	3	2	2

Infectious Disease
Combat Casualty Care

Numerically count the number of other common Support Functions (CSF) for the Activity. Add to it the number of interconnectivities stated in the data response (Question 3.0 Mission) subject to the following constraints:

a. Must be technical functions
b. Must be within the Laboratory Activity
c. Function is not part of another JCSG functional category, e.g., T&E

Question 3.1.1 Geographical/Climatological.

(2) ENTER: YES/NO (YES = 1, NO = 0)

(w)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more geographic feature(s) that have been justified as <u>required</u> to perform this CSF, answer Yes

Question 3.1.1 Geographical/Climatological

(3) ENTER: YES/NO (YES = 1, NO = 0)

(w)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more climatological feature(s) that have been justified as <u>required</u> to perform this CSF, answer Yes.

Question 3.1.3 Environmental Constraints

A	N	AF	F
0	0	0	0

(4) ENTER: NUMERIC COUNT (1, 2, 3, ...)

Numerically count the number of environmental and/or land use constraints listed **which limit or restrict** the performance of the CSF in the narrative of this question. A constraint imposed by more than one level of government should be counted only once.

Question 3.1.4 Special Support Infrastructure

A	N	AF	F
0	0	0	0

(5) ENTER: YES/NO (YES = 1, NO = 0)

If this narrative contains one or more responses/listings of **special support infrastructure** (e.g. water, power, rairoads, roads, telephone/data lines, etc.) that is **required over and above** that typically available for general activity operations, respond with a YES. Hilite those responses/listings that meet this criteria for use by the response (13) scoring team. [This question is to be scored prior to (13)]

Question 3.2.1 Total Personnel

(6) ENTER: VALUES CONTAINED IN THE MATRIX

A N AF F

	Government Civilian	Government Military	On-Site FFRDC	On-Site SETA
Technical	73	147	0	0
Mngmt(Supv)	3	3	0	0
Other	9	7	0	0

Transfer of values from the matrix submitted for this CSF.

Question 3.2.2 Education

(7) ENTER: VALUES CONTAINED IN THE MATRIX FOR THE COLUMNS ENTITLED "TECHNICAL" AND "MANAGEMENT"

A N AF F

	Technical	Management (Supv)
HS or less	130	C
Associates	C	C
Bachelor	34	1
Masters	21	1
Doctorate	44	4

Transfer of values from the matrix submitted for this CSF only for the first two columns of the data submitted, entitled "Technical" and "Management".

Question 3.2.3 Experience of Government Personnel A N AF F

(8) ENTER: VALUES IN THE DATA CALL MATRIX FOR THE LINE ENTITLED "TECHNICAL" PERSONNEL ONLY

	<3	3-10yrs	11-15yrs	16-20yrs	>20
Technical	39	66	45	47	20

Transfer the values from the experience matrix for this CSF only for the row entitled "Technical" personnel.

Question 3.2.4.1 Patents for Government Personnel

(9) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0. A N AF F

4 4 4 4

Count the number of patents listed as **awarded** for this CSF, **do not** count patents which have been disclosed.

THE FOLLOWING VALUES ARE USED TO NORMALIZE (9) AND (10): FROM TABLE 3.3.1.1 ENTER THE VALUES AT THE INTERSECTION OF THE COLUMNS ENTITLED "CIVILIAN" AND "MILITARY" WITH THE ROW LABELED "SCIENCE & TECHNOLOGY"

	Civilian	Military	A N AF F
Science&Technology	85	157	

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A	N	AF	F
122	122	122	122

Count the number of papers published in peer reviewed journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER
ACAT IC	0
ACAT ID	0
ACAT II	0
ACAT III/IV	0
Other	0

A	N	AF	F
21		19	

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.4.1 Major Facilities/Equipment at Activity

(13) ENTER: THE TOTAL $ VALUE FOR ALL ENTRIES IN THE MATRIX UNDER THE COLUMN ENTITLED "REPLACEMENT COST" IF THEY ARE GREATER THAN $10M. $30M

A	N	AF	F

Only facilities or equipment which have a replacement cost in excess of $10 million will be counted for this question. The entry for the CSF will be a total of all the facilities or equipment listed meeting this dollar threshhold requirement. Do not include any special support infrastructure that was hilited during scoring of question 3.1.4.

Question 3.4.1 Major Facilities/Equipment at Activity

A	N	AF	F

(14) ENTER: TOTAL VALUE FROM (13) AND SUM OF %S FOR SHARED FACILITIES/EQUIPMENT (% Total NOT used by this CSF)

For Each Facility/Piece of Equipment:

Total % Shared	Replacement Cost ($M)
.	.
.	.
.	.

TOTAL VALUE 0

For the facilities/equipment listed in (13) which have a replacement value of greater than $10M and are shared by other product or pervasive support functions. Enter for each facility or piece of equipment the total % which is shared by other support functions and the replacement cost for it which was used in the calculation for (13) above. The % listed for any single facility or piece of equipment must be less than 100%. The replacement cost is multiplied by the % shared and then summed to arrive at the "TOTAL VALUE" to be entered in D-Pads [eg .40 (40%) x $20M + .20 (20%) x $120M + ... = $TOTAL VALUE]

Question 3.5.2 Land Use

(15) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the response to this question lists the number of buildable acres at an installation as greater than 10 for any CSF except those in the Product CSF of "Weapons", enter YES. For a "Weapons" CSF, the value listed must be greater than 50 acres to enter YES.

HUM/PER

NAVAL AEROSPACE MEDICAL RESEARCH LAB
PENSACOLA, FL

Appendix D

Evaluation Criteria Scoring Sheets

1 / 1
SVC/Activity/CSF#

EVALUATORS: Army LTC THOMAS

Air Force MR. MCELIVA / MR. FRYSINGER / LTC BINION

Navy MR. TRICK / CMDR EVANS

Question 3.0 Mission.

(1) ENTER: NUMERIC COUNT (1, 2, 3,...)

A	N	AF	F
1	1	1	1

Training Systems

Numerically count the number of other common Support Functions (CSF) for the Activity. Add to it the number of interconnectivities stated in the data response (Question 3.0 Mission) subject to the following constraints:

a. Must be technical functions
b. Must be within the Laboratory Activity
c. Function is not part of another JCSG functional category, e.g., T&E

Question 3.1.1 Geographical/Climatological.

(2) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more geographic feature(s) that have been justified as required to perform this CSF, answer Yes.

Question 3.1.1 Geographical/Climatological.

(3) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
0	0	0	0

If the description of this question lists one or more climatological feature(s) that have been justified as required to perform this CSF, answer Yes.

Question 3.1.3 Environmental Constraints

A	N	AF	F
0	0	0	0

(4) ENTER: NUMERIC COUNT (1, 2, 3, ...)

Numerically count the number of environmental and/or land use constraints listed **which limit or restrict** the performance of the CSF in the narrative of this question. A constraint imposed by more than one level of government should be counted only once.

Question 3.1.4 Special Support Infrastructure

A	N	AF	F
0	0	0	0

(5) ENTER: YES/NO (YES = 1, NO = 0)

If this narrative contains one or more responses/listings of **special support infrastructure** (e.g. water, power, rairoads, roads, telephone/data lines, etc.) that is **required over and above** that typically available for general activity operations, respond with a YES. Hilite those responses/listings that meet this criteria for use by the response (13) scoring team. [This question is to be scored prior to (13)]

Question 3.2.1 Total Personnel

(6) ENTER: VALUES CONTAINED IN THE MATRIX

A N AF F

	Government Civilian	Government Military	On-Site FFRDC	On-Site SETA
Technical	9	10	19	0
Mngmt(Supv)	6	10	16	0
Other	0	0	0	0

Transfer of values from the matrix submitted for this CSF.

Question 3.2.2 Education

(7) ENTER: VALUES CONTAINED IN THE MATRIX FOR THE COLUMNS ENTITLED "TECHNICAL" AND "MANAGEMENT"

A N AF F

	Technical	Management (Supv)
HS or less	0	1
Associates	0	0
Bachelor	5	2
Masters	3	2
Doctorate	8	8

Transfer of values from the matrix submitted for this CSF only for the first two columns of the data submitted, entitled "Technical" and "Management".

Question 3.2.3 Experience of Government Personnel A N AF F

(8) ENTER: VALUES IN THE DATA CALL MATRIX FOR THE LINE ENTITLED "TECHNICAL" PERSONNEL ONLY

	<3	3-10yrs	11-15yrs	16-20yrs	>20
Technical	2	7	2	5	4

Transfer the values from the experience matrix for this CSF only for the row entitled "Technical" personnel.

Question 3.2.4.1 Patents for Government Personnel

(9) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0. A N AF F

3 3 3 3

Count the number of patents listed as awarded for this CSF, do not count patents which have been disclosed.

THE FOLLOWING VALUES ARE USED TO NORMALIZE (9) AND (10): FROM TABLE 3.3.1.1 ENTER THE VALUES AT THE INTERSECTION OF THE COLUMNS ENTITLED "CIVILIAN" AND "MILITARY" WITH THE ROW LABELED "SCIENCE & TECHNOLOGY"

	Civilian	Military	A N AF F
Science&Technology	20	15	

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A	N	AF	F
		53	53

Count the number of papers published in peer reviewed journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER
ACAT IC	0
ACAT ID	0
ACAT II	0
ACAT III/IV	0
Other	0

A	N	AF	F

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

A	N	AF	F
		0	0

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.2.4.2 Papers Published in Peer Journals by Government Personnel

(10) ENTER: NUMERIC COUNT (1, 2, 3,...) OR 0 IF S&T WORKYEARS IN QUESTION 3.3.1.1 ARE = TO 0.

A N AF F

Count the number of papers published in peer reviewed journals for this CSF.

Question 3.3.1.2 Engineering Development by ACAT Category

(11) ENTER: VALUES CONTAINED IN THE MATRIX IN THE COLUMN ENTITLED "NAME OR NUMBER"

	NAME/ NUMBER
ACAT IC	0
ACAT ID	0
ACAT II	0
ACAT III/IV	0
Other	0

A N AF F

If the entry in this column for one of the categories listed along the left side of the matrix is a number, enter this value. If a number of systems is not listed but are instead listed by a system name and/or acronym, count the names/acronyms to determine a number which may be entered on each of the appropriate ACAT category lines.

Question 3.3.1.3 In-Service Engineering

(12) ENTER: YES/NO (YES = 1, NO = 0)

A N AF F

To receive a YES for this question the CSF must show ISE workyears being performed in Question 3.3.1.1 TO BE GREATER THAN 5 WORKYEARS.

Question 3.4.1 Major Facilities/Equipment at Activity

(13) ENTER: THE TOTAL $ VALUE FOR ALL ENTRIES IN THE MATRIX UNDER THE COLUMN ENTITLED "REPLACEMENT COST" IF THEY ARE GREATER THAN $10M. $20M

A N AF F
X — (1) —

Only facilities or equipment which have a replacement cost in excess of $10 million will be counted for this question. The entry for the CSF will be a total of all the facilities or equipment listed meeting this dollar threshhold requirement. Do not include any special support infrastructure that was hilited during scoring of question 3.1.4.

Question 3.4.1 Major Facilities/Equipment at Activity

A N AF F
X — (2) —

(14) ENTER: TOTAL VALUE FROM (13) AND SUM OF %S FOR SHARED FACILITIES/EQUIPMENT (% Total NOT used by this CSF)

For Each Facility/Piece of Equipment:

Total % Shared	Replacement Cost ($M)
____	____
____	____
.	.
.	.
.	.

TOTAL VALUE 0

For the facilities/equipment listed in (13) which have a replacement value of greater than $10M and are shared by other product or pervasive support functions. Enter for each facility or piece of equipment the total % which is shared by other support functions and the replacement cost for it which was used in the calculation for (13) above. The % listed for any single facility or piece of equipment must be less than 100%. The replacement cost is multiplied by the % shared and then summed to arrive at the "TOTAL VALUE" to be entered in D-Pads [eg .40 (40%) x $20M + .20 (20%) x $120M + ... = $TOTAL VALUE]

Question 3.5.2 Land Use

(15) ENTER: YES/NO (YES = 1, NO = 0)

(2)

A N AF F
0 0 0 0

If the response to this question lists the number of buildable acres at an installation as greater than 10 for any CSF except those in the Product CSF of "Weapons", enter YES. For a "Weapons" CSF, the value listed must be greater than 50 acres to enter YES.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (1) - SCENARIO SUMMARY

Complete one copy of Enclosure (1) - Scenario Summary for the entire closure/realignment scenario. Tables included in this enclosure are 1-A, 1-B and 1-C.

Table 1-A: Scenario Description. Identify the Scenario Number, Title and Response Date. The Scenario Number and Title will be provided to you by the BSAT as part of the data call tasking.

Scenario No.:	3-20-0175-046
Scenario Title:	NRL Orlando
Date:	21 November 1994

Summary

BRAC-95 Scenario Number 3-20-0175-046 requests data for the closure of the Naval Research Laboratory Underwater Sound Reference Detachment (NRL/USRD), Orlando. NRL believes that the calibration and standards function at USRD is both a unique and essential function and should be maintained. The USRD maintains the primary standards necessary for transducer calibration. These standards are not found anywhere else in the government. Implementation of the BRAC-95 Scenario for USRD would require the relocation of the calibration and standards function to another location. The Naval Undersea Warfare Center Division, Newport (NUWCDIVNPT) is one possible relocation site. The NUWC management concurs with this recommendation.

The core mission of the USRD is calibrations and standards associated with underwater sound measurements for underwater acoustic devices. Specialized facilities have been established to provide acoustic calibration and test and evaluation measurements for acoustic transducers and materials. As the Navy's institution for standardizing underwater acoustic measurements, USRD provides through its reference services (calibration and sonar standards loan program) a link in the traceability of underwater acoustic measurements to the National Institute of Standards and Technology (NIST). This function provides greater uniformity, accuracy, and reliability in underwater acoustic measurements throughout the Navy and Industry.

The standard transducer loan service is unique to the Navy and currently has about 1300 transducers in the standards inventory with about 650 transducers on loan to user activities. If the calibration services of USRD were completely eliminated other Navy calibration resources would not be able to fill the gap to satisfy existing Navy underwater acoustic calibration requirements. Hence because of the uniqueness of the USRD standards program and the potential shortfall in overall Navy underwater acoustic calibrations needs it is strongly recommended that the standards and calibration function of the USRD mission be maintained. To accomplish this objective it would be necessary to transfer 55 civilians, eliminate 45 positions and relocate two unique measurements facilities; a 3000 psi and 1000 psi anechoic tank. In addition, about 40 tons of equipment, consisting of standard reference transducers and other specialized measurement equipment, would have to be part of the transfer.

Also associated with USRD Orlando is the Leesburg facility approximately one hour north of Orlando. This facility consists of a leased lake which because of the mild climate provides year-round availability. Because of its depth, isothermal conditions, and extremely low ambient noise, this lake represents a unique calibration facility which is not available anywhere else in the country. This scenario assumes the closure of this facility in spite of its unique features. If the gaining activity retains this facility then it will incur the lease costs of $32K/year plus operating costs. The latter will depend on whether the gaining activity mans the site or leaves it unmanned and uses it on an as-needed-basis. Current manning at Leesburg is five people.

As stated above, NUWCDIVNPT is a logical receiving activity for the USRD standards and calibration function. At present, NUWCDIVNPT is chartered with full spectrum, life cycle responsibility for all Navy submarine and surface ship sonar systems.

Table 1-B: Point of Contact Information. Please identify a knowledgeable point of contact familiar with the information relating to this closure/realignment scenario whom the BSAT can contact to answer any questions or to provide additional information as required. This point of contact must also be familiar with the location and name of the person responsible for maintaining any supporting documentation relating to this data call response.

Name:	Mr. Richard R. Rojas
Organization/Code:	NRL/5000
Office Phone Number:	202-767-3294
Fax Number:	202-767-6064
Home Phone Number:	301-231-9576

Table 1-C: Losing/Gaining Bases Involved in Scenario. Complete the table on the next page to identify "bases" involved in the closure/realignment scenario. Note that the term **"Losing Base"** refers to host activities, independent activities or other activities specifically identified in the Scenario Development Data Call tasking which are being reduced in size, i.e., closing or being realigned. The term **"Gaining Base"** refers to host or independent activities which will be receiving sites for functions/personnel transferred from losing base(s). For example, a losing base is the activity referred to in the data call tasking, i.e., a Naval Station, Hospital, etc. **Individual tenants should not be separately listed on this table**, e.g., Branch Medical Clinic, Personnel Support Detachment, etc. Individual tenants will, however, be specifically identified in subsequent tables in the data call. The third column of the

table should be used to identify relevant information regarding workload/missions to be transferred. For example, entries in this column should be short phrases such as, "missile workload", "ships", "F-14 squadrons", "tenants", etc., or to provide other clarifying information. This third column need only be completed to identify major components of the closure/realignment scenario, and should not be used to list all tenant names, etc.

Table 1-C: Losing/Gaining Bases Involved in Scenario

Losing Base(s)	Gaining Base(s)	Workload/Missions Transferring
NRL, Orlando	NUWC Newport	Acoustic Transducer
		Standards and Calibration

Note: If an activity/function will be relocated into leased office space, please note this fact under the column, Gaining Base, e.g., "Washington, DC - Leased Space".

Complete a separate Enclosure (2) - Losing Base Questions for each "losing" base involved in the closure/realignment scenario. Make additional copies of this enclosure as necessary. Tables included in this enclosure are 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F. Enter the Losing Base name in the block below:

Losing Base:	NRL Orlando

The first five tables in this enclosure will be used to identify the movement and/or elimination of military billets and civilian positions. Data entered in Tables 2-B and 2-C will be transferred to Table 2-D and will be used to reconcile manpower totals at the losing base. The entire losing base workforce as shown on the annotated copy of the Base Loading Data Attachment must be accounted for in the Table 2-D reconciliation.

General Note on Tables 2-A and 2-B. A separate copy of both of these two tables must be completed for each pair of activities between which transfers of personnel, equipment or vehicles will occur. That is, a single enclosure (1) response may require multiple copies of tables 2-A and 2-B. For example, if the scenario involves the closure of NAVSTA A and relocation of personnel to NAVSTA B and NAVSTA C, then two tables will be completed, one for transfers from NAVSTA A to NAVSTA B and one for transfers from NAVSTA A to NAVSTA C. Note that for purposes of completing these tables, Losing Bases and Gaining Bases are defined as a host activity, independent activity or other activity specifically identified in the data call tasking. Separate tables will not be prepared for individual tenant activities, instead, tenant numbers will be incorporated into the table for the Losing Base. Be certain to identify the name of both the gaining and losing base. Make additional copies of these two tables as necessary.

Table 2-A: Disposition of Personnel - Detail Data. Please review the Base Loading Data Attachment and annotate any corrections, as necessary. Using the data contained in the Base Loading Data Attachment, complete the table on the next page. For both the host and tenant activities, identify, by UIC, the number of billets/positions being relocated to the identified receiving site. Each UIC shown as a separate line on the Base Loading Data Attachment must be separately listed in Table 2-A. Drilling reservists will not be included in officer and enlisted billet fields. Military students must be separately distinguished from officer and enlisted billets in COBRA. The Base Loading Data Attachment includes an identification of military students. Annotate the Base Loading Data Attachment to identify any additional students not currently shown, and include these corrected numbers in Table 2-A. Numbers of students are expressed as the estimated "Average On-Board" (AOB) which would be trained at the losing base in FY 2001 if a closure/realignment did not occur. Non-DON tenants must also be reviewed and a determination made as to whether the organization will be relocated. Relocating non-DON tenants must be included in the number of billets/positions identified as being transferred (and manpower totals adjusted accordingly). Disposition of tenant and reserve activities must be adequately coordinated.

Table 2-A: Disposition of Personnel - Detail Data

From Losing Base: NRL Orlando									
To Gaining Base: NUWC Newport									
UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
62190	NRL Orlando	Officer							
		Enlisted							
		Civilian	0	55	0	0	0	0	55
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
		Officer							
		Enlisted							
		Civilian							
		Mil Stu							
	TOTAL	Officer							
		Enlisted							
		Civilian	0	55	0	0	0	0	55
		Mil Stu							

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity which will be relocated.

Mil Stu = Military Students.

Table 2-B: Disposition of Personnel and Equipment - Summary.

Complete the table on the next page to summarize the transfer of equipment and personnel. Personnel numbers must match summary data shown in Table 2-A. Remember that, as with Table 2-A, a separate Table 2-B must be completed for each combination of losing/gaining bases. The following explanatory information is provided.

a. Disposition of Personnel. Transfer the summary relocation data shown at the bottom of the corresponding Table 2-A.

b. Disposition of Equipment. Identify the transfer of equipment and vehicles from one activity to another. **Do not include equipment which will be excessed.** The following explanatory notes are provided:

Mission and Support Equipment: The terms "Mission" and "Support" are provided as broad general terms to distinguish between the types of equipment which will be shipped. In terms of the COBRA moving algorithms, whether equipment is listed under "Mission" or "Support" is irrelevant. Consequently, more attention should be given to identifying the total number of tons which will need to be shipped, rather than spending too much time refining the breakout of mission vs. support equipment. Note that these figures should not include administrative equipment, which is already included in COBRA algorithms at the rate of 710 pounds per military billet or civilian position being relocated.

Light Vehicles: Light vehicles are defined as vehicles that will be **driven** to the new location.

Heavy Vehicles: Heavy vehicles are defined as vehicles which will be **shipped** to the new location.

Remember to complete the "Supporting Data" section which immediately follows the table.

Table 2-B: Disposition of Personnel and Equipment - Summary

From **Losing** Base: NRL Orlando							
To **Gaining** Base: NUWC Newport							
	1996	1997	1998	1999	2000	2001	Total
Officer Billets							
Enlisted Billets							
Civilian Positions	0	55	0	0	0	0	55
Military Students							
Tons of Mission Equipment	0	40	0	0	0	0	40
Tons of Support Equipment							
Number of Light Vehicles							
Number of Heavy Vehicles							

Supporting Data for Table 2-B. Use the space below to list the types of Mission Equipment, Support Equipment, Light Vehicles and Heavy Vehicles identified as required to be relocated in Table 2-B and the rationale for relocating this equipment. Attach additional sheets as necessary.

Type of Equipment/Vehicles	Rationale for Relocating
Sonar standard tranducers and calibration equipment	Mission essential

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Table 2-C: Eliminated Billets/Positions;

Table 2-2: Eliminated Billets/Positions

Using the Base Loading Data Attachment, identify, by UIC, for both the host and tenant activities, the number of military billets and/or civilian positions which will be eliminated as a result of the closure/realignment scenario. For each UIC on the Base Loading Data Attachment where military billets and/or civilian positions will be eliminated, make a separate entry on Table 2-C. Identify the number of Officer Billets, Enlisted Billets and/or Civilian Positions which will be eliminated in each Fiscal Year. Note that for a total closure scenario, the total number of billets/positions moved plus those eliminated must equal the entire workforce at the activity as of the end of FY 2001 as shown on Base Loading Data Attachment. Numbers entered here should reflect a thorough review of staffing requirements at both the losing and receiving sites, and include all potential job eliminations which would result from consolidation efficiencies, economies of scale, etc. Reductions should reflect both overhead/support eliminations and direct labor eliminations, as appropriate. Eliminations should be entered in the year(s) in which they are expected to occur, for example, if 80 civilian positions will be eliminated in FY 2000 and an additional 50 positions will be eliminated in FY 2001, then enter the data as follows: FY 1996 - 1999 = 0, FY 2000 = 80, FY 2001 = 50, Total = 130. **Do not identify any of the following as eliminated billets/positions in Table 2-C:**

- Planned Force Structure Reductions (FY 1996 through 2001).
- Military Students.
- Non-DON tenants.

Drilling reservists should also not be included in numbers of eliminated billets. Disposition of any tenant or reserve activities must be adequately coordinated.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Table 2-C: Eliminated Billets/Positions

Losing Base Name: NRL-Orlando									
UIC	Name	Type	1996	1997	1998	1999	2000	2001	Total
62190	NRL/Orlando	Officer							
		Enlisted							
		Civilian	0	45	0	0	0	0	45
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
		Officer							
		Enlisted							
		Civilian							
	TOTAL	**Officer**							
		Enlisted							
		Civilian	0	45	0	0	0	0	45

Make additional copies of this table, or add rows to it, as necessary, to include each host/tenant activity with eliminated positions/billets.

Table 2-D: Manpower Reconciliation Data. It is imperative that all manpower is accurately accounted for in the closure/realignment scenario. Using the data from the Base Loading Data Attachment and Tables 2-B and 2-C, complete the "reconciliation" table shown on the next page. Note that Line C of the table should include any changes in manpower resulting from the implementation of prior BRAC actions at the base. These changes should also be annotated on the Base Loading Data Attachment and reflected in Line D of the table, "End FY 2001".

(see next page)

Table 2-D: Manpower Reconciliation Data

	Officers	Enlisted	Civilians	Mil Stu	Total
A. Begin FY 1996:	0	0	100	0	100
B. Force Structure Changes(+/-):	0	0	0	0	0
C. Prior BRAC Changes (+/-):	0	0	0	0	0
D. End FY 2001:	0	0	100	0	100
Moving to (List each Gaining Base):					
1. NUWC-Newport	0	0	55	0	55
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
E. Total Billets/Positions Moving:	0	0	55	0	55
F. Eliminated Billets/Positions:	0	0	45	0	45
G. Remaining at Losing Base:	0	0	0	0	0
H. Sum of Lines E, F, and G:	0	0	100	0	100

Notes: Do not fill in shaded cells. **Double check** your work. **Line H** (which is the sum of number of billets/positions moving, eliminated and remaining at the Losing Base) **must equal Line D** (the number of billets/positions at the end of FY 2001).

Table 2-E: Caretaker Requirements (Mothball Scenarios Only).

Complete the table below to identify any permanent caretaker requirements associated with a "mothball" (deactivation) scenario. **Caretakers should only be identified if an activity will be mothballed as opposed to closed or realigned.** Scenario data call taskings will identify if this is a "mothball" scenario. This area should not be used to identify temporary caretaker requirements associated with closure of the facility. If some or all of the activity will be mothballed, as opposed to closed or realigned, then identify the number of military and/or civilian caretakers that will be required to remain permanently at the activity. Enter the number of caretakers which will be added to the activity in each year. For example, if 100 caretakers will be required in 1996, and then this number will be increased to 150 in 1997 and out, then enter 1996 = 100, 1997 = 50, leave 1998 through 2001 blank, and enter 150 as the total.

Table 2-E: Caretaker Requirements ("Mothball" Scenarios Only)*

Losing Base Name:							
	1996	1997	1998	1999	2000	2001	Total
Military Caretakers							
Civilian Caretakers							

*Not applicable

Table 2-F: Dynamic Base Information

Complete the following "Supporting Data" section. Then, summarize this data in the Summary Data Table (2-F) that immediately follows this "Supporting Data" section. Show all entries in ($000).

Table 2-F: Supporting Data

a. Other One-Time Unique Costs. Identify any other one-time unique costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include use of temporary office space, lease termination costs, etc. Only costs directly attributable to the closure/realignment action should be identified. This area should not be used to identify routine moving or personnel costs, which are calculated automatically by the COBRA algorithms, nor should it be used to identify one-time unique moving costs which will be addressed separately in item c, below. For each unique one-time cost, identify the amount, year in which the cost will be incurred and describe the nature of the cost. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: NRL Orlando

	Cost	FY	Description
1.	$1,046	97	NRL Orlando leases about 8 acres of land that includes Bugg Springs near Leesburg, FL as a calibration site. As part of the closure action this lease would be terminated and the property returned to the owner. The lease, which costs $32K/yr., is annually renewable with no termination costs. However, the provisions of the lease require that the property be returned to its "original pristine condition" upon termination of the lease. This involves removal of the pier at the Lake, demolition and removal of all structures, removal of the parking lot, and finally regrading and replacement of trees to restore the property to its original condition. The cost to accomplish this task is $1,046K.

b. Other One-Time Unique Savings. Identify any other one-time unique savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section). Examples include net proceeds to DoD resulting from an existing MOU with a state or local government, one-time environmental compliance cost avoidances, etc. This area should not be used to identify routine moving or personnel savings, which are calculated automatically by the COBRA algorithms. Do not include Construction Cost Avoidances (which were identified in a separate data call), or Procurement Cost Avoidances (which are covered under item i. below). For each savings, identify the amount, year in which it will occur and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: NRL Orlando

	Cost	FY	Description
1.			Not applicable

c. One-Time Unique Moving Costs. The COBRA algorithms use standard packing and shipping rates to calculate the cost of transporting equipment and vehicles. Identify here only those unique moving costs associated with movements out of the losing base that would be incurred in addition to standard packing and shipping costs associated with tonnage and vehicles identified in Table 2-B. Examples of unique moving costs include packing, special handling or recalibration of specialized laboratory or industrial equipment; movement of special materials, etc. If unique costs identified here include packing and shipping costs, then ensure that tonnage for this "unique" equipment is not included under the Mission and Support equipment identified in Table 2-B. For each cost included in the table above, identify the amount, year in which the cost will be incurred, the name of the gaining base and a brief description of the cost.

Losing Base: NRL Orlando

	Cost	FY	Gaining Base	Description
1.	$2,405	97	NUWC Newport	Transfer of two large pressure vessels (designated ATF I and ATF II). Because these vessels are integral to the USRD buildings extensive dismantling procedures will be required. Further because of the large size and weight of ATF II (19' x 36' and 750,000 lbs) transfer by sea is required.

d. and e. Changes in Mission Costs. Items d. and e. should be used to identify those changes in mission costs that result from the closure/realignment action, but are not counted elsewhere in this data call response or COBRA algorithms. For example, **do not include** changes in non-payroll Base Operating Support (BOS), Family Housing Operations, housing allowances, CHAMPUS costs/savings, or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms. Examples of items to include here are changes in operating costs due to the transfer of workload to gaining bases, economies of scale, changes in travel requirements, differences in wage grade labor rates or locality pay differentials, changes in the amount of mission work performed on contract, and changes in utility requirements or ADP/telecommunications costs not included in responses provided in the Base Operating Support tables of Data Call 66.

For purposes of calculating changes in costs associated with the transfer of mission workload from a losing to a gaining base, the following information is provided below. Calculations should take into consideration both economies of scale and differences in operating costs. Remember, any salary savings resulting from eliminated military billets and/or civilian positions must be identified as a number of billets/positions eliminated in Table 2-C. **Do not include** basic salary and fringe benefit savings associated with billets/positions identified as eliminated on Table 2-C. Also, **do not identify** changes in the non-payroll BOS Costs (including non-payroll G&A for DBOF activities) reported in Data Call 66.

First, identify economies of scale by examining the historic pattern of how labor, overhead and other costs vary with workload volume (adjust prior year costs for inflation to make them comparable; use statistical tests to determine the type of relationship that exists). The relationship between costs and workload can then be used to estimate changes in labor and overhead rates which result from the projected change in workload. Economies of scale benefits will generally accrue to gaining bases on an incremental basis, as the workload ramps up, and will remain in future years after all workload is transitioned.

Second, calculate resulting changes in operating costs. Changes in operating costs should be calculated by pricing out direct labor manhours of work, using the projected labor and productive overhead rates (which have been adjusted to take into consideration economies of scale resulting from the workload transfer) for both the losing and gaining base. The difference in total costs associated with the workload transition is then identified as the net change in mission costs. Relative differences in the numbers of hours required to complete a project at the losing base and gaining base(s) should be taken into consideration, if identifiable. Also, include contract costs in this analysis, but unless cost changes are identifiable, assume that contract price rates will remain constant.

If a net change in mission costs is included in the data call response, the response must also include supporting data to show calculations and methodology used to estimate this change in costs. Furthermore, data used in these calculations must be consistent with previously submitted certified data.

d. Net Mission Costs. Complete the following worksheet to identify any net recurring increases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost increase, identify the name of the gaining base where the workload will be transferred (if applicable), cost increases by year and describe the nature of the cost increase. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost increases.

Net Mission Costs (Cost Increases) Worksheet						
Losing Base: NRL Orlando						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1. NUWC Newport	0	0	0	0	0	0
Description:						
2.						
Description:						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

e. Net Mission Savings. Complete the following worksheet to identify any net recurring decreases in mission costs associated with the closure/realignment of the losing base and/or transfer of workload to gaining bases. For each net cost decreases, identify the name of the gaining base where the workload will be transferred (if applicable), cost decreases by year and describe the nature of the cost decrease. If this worksheet is filled in, provide supporting data to show calculations and methodology used to estimate these cost decreases.

Net Mission Savings (Cost Decreases) Worksheet						
Losing Base: NRL Orlando						
Gaining Base	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001 and Beyond
1. NUWC Newport	0	0	32	32	32	32
Description: Termination of Leesburg Facility lease						
2.	0	1	1	1	1	1
Description: Termination of pipeline lease for lake level control in Orlando						
3.						
Description:						
4.						
Description:						
5.						
Description:						

Add additional lines to worksheet as necessary.

f. Miscellaneous Recurring Costs. Identify any other recurring costs at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., new leases of facilities or equipment, etc. For each cost, identify the amount, year in which the cost will begin and describe the nature of the cost. Only costs directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances or CHAMPUS costs, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission costs shown above. Do not double count any costs identified on Gaining Base tables (Enclosure (3)).

Losing Base: NRL Orlando

	Annual Cost	FY	Description
1.			Not applicable

g. Miscellaneous Recurring Savings. Identify any other recurring savings at the losing base which will not be calculated automatically by the COBRA algorithms (as noted in the Introduction section), e.g., elimination of leases of facilities or equipment, etc. For the savings, identify the amount, year in which each will begin and describe the nature of the savings. Only savings directly attributable to the closure/realignment action should be identified. (Do not include changes in non-payroll BOS, Family Housing Operations, housing allowances, CHAMPUS costs or salary savings for eliminated positions/billets, all of which are calculated by other COBRA algorithms.) Do not double count changes in Mission Costs shown above. Do not double count any savings identified on Gaining Base tables (Enclosure (3)).

Losing Base: NRL Orlando

	Annual Cost	FY	Description
1.			Not applicable

h. Land Sales. Identify any proceeds, if identifiable and realistically expected to be received, which would be realized through the sale of excessed property at the losing base(s). In most cases, proceeds will not be realized from the sale of land at closed activities. However, if unusual circumstances warrant, identify estimated amount of proceeds, number of acres to be sold and rationale for assuming that proceeds will be obtained.

Losing Base: NRL Orlando

	Revenues	No. of Acres	Rationale
1.			Not applicable*

*NRL Orlando is located in a residential area. Sale of the property as residential lots would require razing of all structures and any necessary regrading. It is estimated that returning the property to a state suitable for sale as residential property would cost between $2-3M. Sale of the property converted to 8-10 lots (as were platted before Navy use) is estimated to bring $600-700K.

i. Procurement Cost Avoidances. Identify any procurement cost avoidances which would be realized as a result of the closure/realignment scenario. Items identified here must not include any funds, regardless of appropriation, identified as BOS costs in Data Call 66. An example of a cost to include here would be a planned "Other Procurement account" purchase of a computer system, which will no longer be required as a result of the closure/realignment action. For each cost avoidance, identify the amount, year in which the cost would have been incurred, whether the cost avoidance is one-time or recurring in nature, and the nature of the cost avoidance.

Losing Base: _____

	Cost	FY	One-Time/Recurring	Explanation
1.				

j. Facility Shutdown. If an activity is being realigned but not completely closed, then identify the number of square feet of Class 2 real property (buildings), excluding family housing, MWR and utilities facilities, which will be shut down at the losing base as a result of this action. If an activity is being completely closed, then just enter "All". The Base Loading Data Attachment includes an identification of total square feet for the activity and should be referred to in answering this question. Note that this entry should be shown in "thousands of square feet" (KSF).

Losing Base: NRL Orlando

Facility KSF Shutdown: All

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
Enclosure (2) - LOSING BASE QUESTIONS

Summarize data shown in response to supporting data questions a. through j. above in the following table. Note that all entries must be shown in ($000).

Table 2-F: Dynamic Base Information Summary ($000)

Losing Base:							
	1996	1997	1998	1999	2000	2001	Ttoal
a. One-Time Unique Costs	0	1046	0	0	0	0	1046
b. One-Time Unique Svgs	0	0	0	0	0	0	0
c. One-Time Move Costs	0	2405	0	0	0	0	2405
d. Net Mission Costs	0	0	0	0	0	0	0
e. Net Mission Savings	0	1	33	33	33	33	133
f. Misc Recur Costs	0	0	0	0	0	0	0
g. Misc Recur Savings	0	0	0	0	0	0	0
h. Land Sales	0	0	0	0	0	0	0
i. Procure-ment Cost Avoid	0	0	0	0	0	0	0
j. Fac. Shutdown (KSF)	All						

*See note to item h.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ENCLOSURE (3) - GAINING BASE QUESTIONS

Gaining Base:	NUWC Newport

Table 3-A: Supporting Data

a. Other One-Time Unique Costs.

a. (1) Community Infrastructure Impacts.

Gaining Base: NUWC Newport

	Cost	FY	Location	Description
1.	None			

a. (2) Other Unique One-Time Costs.

Gaining Base: NUWC Newport

	Cost	FY	Description
1.	$4407	97	Reassembly of ATFI and ATFII and replacement of certain ancillary equipment

b. Other One-Time Unique Savings.

Gaining Base: NUWC Newport

	Cost	FY	Description
1.	None		

c. Environmental Mitigation.

Gaining Base: NUWC Newport

	Cost	FY	Description
1.	None		

d. Miscellaneous Recurring Costs.

Gaining Base: NUWC Newport

	Annual Cost	FY	Description
1.	None		

e. Miscellaneous Recurring Savings.

Gaining Base: NUWC Newport

	Annual Savings	FY	Description
1.	None		

f. Land Purchases.

Gaining Base: NUWC Newport

	Cost	No. of Acres	FY	Description
1.	None			

Table; 3-A: Dynamic Base Information

Gaining Base Name:							
	1996	1997	1998	1999	2000	2001	Total
a. One-Time Unique Costs *	0	4407	0	0	0	0	4407
b. One-Time Unique Savings	0	0	0	0	0	0	0
c. Environ. Mitigation	0	0	0	0	0	0	0
d. Misc. Recurring Costs	0	0	0	0	0	0	0
e. Misc. Recurring Savings	0	0	0	0	0	0	0
f. Land Purchases	0	0	0	0	0	0	0

* Includes both Community Infrastructure Impact and Other One-Time Unique Costs, as applicable.

Table 3-B: MILCON Requirements

Gaining Base Name:			
Category (Unit)	New Construction Requirement	Rehabilitation Requirement	Comment
Horizontal (SY)	0	0	
Berthing (FB)	0	0	
Air Maintenance (SF)	0	0	
Other Operations (SF)	0	0	
Administrative (SF)	0	0	
Training (SF)	0	0	
Maintenance (SF)	0	0	
Bachelor Quarters (SF)	0	0	
Supply/Storage (SF)	0	0	
Dining Facilities (SF)	0	0	
Personnel Support (SF)	0	0	
Communications (SF)	0	0	
Ship Maintenance (SF)	0	0	
RDT&E (SF)	0	0	
POL Storage (BL)	0	0	
Ammo Storage (SF)	0	0	
Medical Facilities (SF)	0	0	
Environmental	$0	$0	
Other: - - -	 $0 $0 $0	 $0 $0 $0	

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

Activity: 62190 NRL, USRD

PART 1: MANPOWER DATA - HOST AND TENANTS. This data is provided to assist you in identifying military billets and civilian positions which will either be relocated or eliminated as a result of closure or realignment. Officer (OFF), Enlisted (ENL) and Civilian (CIV) numbers reflect end strength, not on-board counts. The "Planned Force Structure Reduction" column represents the difference between projected "Beginning of FY 1996" and projected "End of FY 2001" end strength. The source of this data is the BUPERS/NAVCOMPT/CMC data bases in support of the FY 1996/1997 OSD Submit. Review this list and make any necessary annotations, including the addition or deletion of lines of data to accurately reflect the host and tenant population. Note that Military Students (STU) must be shown as an Average On-Board (AOB) count. If a significant student population is located at the activity, then all students need to be identified in this table. Student data need only be provided for the "End of FY 2001" column of the table. If any numbers are changed, please provide a revised set of totals at the end of the listing.

UIC	NAME	MAJOR CLAIMANT	BEGIN FY 1996 OFF	ENL	CIV	STU	PLANNED FORCE STRUCTURE CHANGES OFF	ENL	CIV	STU	END FY 2001 OFF	ENL	CIV	STU
N 62190	NRL, USRD	CHNAVRESEARC	0	0	100	0	0	0	0	0	0	0	100	0
		TOTALS:	0	0	100	0	0	0	0	0	0	0	100	0

"No Change"

NRL ord 1 of 3

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

PART 5: TOTAL FACILITY SQUARE FEET. This is the total Class 2 facility square feet, excluding family housing, MWR and utilities, as reported in the Naval Facilities Assets Data Base (NFADB). This figure is used in determining the number of square feet which will be "shut down" as a result of the closure action.

Total Facility Square Feet (in thousands): 76

PART 6: BASE OPERATING SUPPORT (BOS) COST DATA. This is the total BOS costs reported for the host and tenant activities in Data Call 66. Please review this data and ensure that it is consistent with FY 1996 OSD Submit budget data. If BOS cost data needs to be revised, specific revisions should be noted on a revised copy of the appropriate Data Call 66 table(s), which should then be returned with this data call response.

			***** O&M, etc. *****				***** DBOF *****				***** TOTAL *****			
UIC	NAME	MAJOR CLAIMANT	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY
62190	NRL DET ORLANDO	CHNAVRESEARCH	0	0	0	0	180	360	490	295	180	360	490	295
		TOTALS:	0	0	0	0	180	360	490	295	180	360	490	295

"No Change"

NRL Orl 2 of 3

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

PART 7: CONTRACT WORKYEAR DATA. This is the total contract workyear data reported by the host and tenant activities in Data Call 66. Please review this data, especially the columns regarding contract workyears which will either be eliminated or transferred as a result of the closure/realignment action. Sum of workyears transferred + eliminated + remaining at activity must equal Total Contract Workyears. Annotate corrections as necessary.

UIC	NAME	MAJOR CLAIMANT	TOTAL CONTRACT WORKYEARS	NO. OF WORK-YEARS TO BE TRANSFERRED	NO. OF WORK-YEARS TO BE ELIMINATED	NO. OF WORK-YEARS REMAINING AT ACTIVITY
52190	NRL DET ORLANDO	CHNAVRESEARCH	9	0	0	0
		TOTALS:	9	0	0	0

"No Change"

NRL Orl 3 of 3

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPT Richard M. Cassidy, Jr.
NAME (Please type or print)

R. M. Cassidy
Signature

Commanding Officer
Title

NOV 21 1994
Date

Naval Research Laboratory
Activity

BRAC-95 SCENARIO DEVELOPMENT DATA CALL NUMBER 3-20-0175-046

DATA CALL

320-0175-046

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print

Signature

Title

Date

Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ

NAME (Please type or print

Signature

CHIEF OF NAVAL RESEARCH

Title

21 Nov 97

Date

OFFICE OF NAVAL RESEARCH

Activity

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

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

W. A. EARNER

NAME (Please type of print

Signature

Title

12/19/97

Date

Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Starting Year : 1996
Final Year : 1997
ROI Year : 2000 ~~(3 Years)~~

NPV in 2015($K): -30,147
1-Time Cost($K): ~~8,355~~

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	-1,030	-2,461	-2,461	-2,461	-2,461	-10,875	-2,461
Overhd	78	342	-261	-261	-261	-261	-625	-261
Moving	0	3,359	0	0	0	0	3,359	0
Missio	0	-1	-33	-33	-33	-33	-133	-33
Other	0	4,563	0	0	0	0	4,563	0
TOTAL	78	7,233	-2,755	-2,755	-2,755	-2,755	-3,711	-2,755

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	45	0	0	0	0	45
TOT	0	45	0	0	0	0	45
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	55	0	0	0	0	55
TOT	0	55	0	0	0	0	55

Summary:

Close NRL Det Orlando.
No military personnel onboard.
Activity desires maintain calibration and standards function at NUWC Newport.

SCENARIO 046

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	201	0	0	0	0	201	0
Overhd	78	562	409	409	409	409	2,276	409
Moving	0	3,359	0	0	0	0	3,359	0
Missio	0	0	0	0	0	0	0	0
Other	0	4,563	0	0	0	0	4,563	0
TOTAL	78	8,685	409	409	409	409	10,398	409

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	1,231	2,461	2,461	2,461	2,461	11,075	2,461
Overhd	-0	221	670	670	670	670	2,901	670
Moving	0	0	0	0	0	0	0	0
Missio	0	1	33	33	33	33	133	33
Other	0	0	0	0	0	0	0	0
TOTAL	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164

Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	127,984	
Civilian Early Retirement	54,147	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	18,792	
Total - Personnel		200,923
Overhead		
Program Planning Support	137,375	
Mothball / Shutdown	95,000	
Total - Overhead		232,375
Moving		
Civilian Moving	1,095,459	
Civilian PPS	403,200	
Military Moving	0	
Freight	24,957	
One-Time Moving Costs	1,835,000	
Total - Moving		3,358,616
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	4,563,000	
Total - Other		4,563,000
Total One-Time Costs		8,354,914
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		8,354,914

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NRL DET ORLANDO, FL
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	127,984	
Civilian Early Retirement	54,147	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	18,792	
Total - Personnel		200,923
Overhead		
Program Planning Support	137,375	
Mothball / Shutdown	95,000	
Total - Overhead		232,375
Moving		
Civilian Moving	1,095,459	
Civilian PPS	403,200	
Military Moving	0	
Freight	24,957	
One-Time Moving Costs	1,835,000	
Total - Moving		3,358,616
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,046,000	
Total - Other		1,046,000
Total One-Time Costs		4,837,914
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		4,837,914

Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC NEWPORT, RI
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Planning Support	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	3,517,000	
Total - Other		3,517,000
Total One-Time Costs		3,517,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		3,517,000

Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NRL DET ORLANDO	0	0	0	0	0
NUWC NEWPORT	0	0	0	0	0
Totals:	0	0	0	0	0

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

PERSONNEL SUMMARY FOR: NRL DET ORLANDO, FL

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	100

PERSONNEL REALIGNMENTS:
To Base: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

TOTAL PERSONNEL REALIGNMENTS (Out of NRL DET ORLANDO, FL):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	0	-45	0	0	0	0	-45
TOTAL	0	-45	0	0	0	0	-45

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: NUWC NEWPORT, RI

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	2,579

PERSONNEL REALIGNMENTS:
From Base: NRL DET ORLANDO, FL

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

TOTAL PERSONNEL REALIGNMENTS (Into NUWC NEWPORT, RI):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	55	0	0	0	0	55
TOTAL	0	55	0	0	0	0	55

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	2,634

Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	55	0	0	0	0	55
Early Retirement*	10.00%	0	6	0	0	0	0	6
Regular Retirement*	5.00%	0	3	0	0	0	0	3
Civilian Turnover*	15.00%	0	8	0	0	0	0	8
Civs Not Moving (RIFs)*+		0	3	0	0	0	0	3
Civilians Moving (the remainder)		0	35	0	0	0	0	35
Civilian Positions Available		0	20	0	0	0	0	20
CIVILIAN POSITIONS ELIMINATED		0	45	0	0	0	0	45
Early Retirement	10.00%	0	5	0	0	0	0	5
Regular Retirement	5.00%	0	2	0	0	0	0	2
Civilian Turnover	15.00%	0	7	0	0	0	0	7
Civs Not Moving (RIFs)*+		0	3	0	0	0	0	3
Priority Placement#	60.00%	0	27	0	0	0	0	27
Civilians Available to Move		0	1	0	0	0	0	1
Civilians Moving		0	1	0	0	0	0	1
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	55	0	0	0	0	55
Civilians Moving		0	36	0	0	0	0	36
New Civilians Hired		0	19	0	0	0	0	19
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	11	0	0	0	0	11
TOTAL CIVILIAN RIFS		0	6	0	0	0	0	6
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	27	0	0	0	0	27
TOTAL CIVILIAN NEW HIRES		0	19	0	0	0	0	19

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NRL DET ORLANDO, FL	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	55	0	0	0	0	55
Early Retirement*	10.00%	0	6	0	0	0	0	6
Regular Retirement*	5.00%	0	3	0	0	0	0	3
Civilian Turnover*	15.00%	0	8	0	0	0	0	8
Civs Not Moving (RIFs)*	6.00%	0	3	0	0	0	0	3
Civilians Moving (the remainder)		0	35	0	0	0	0	35
Civilian Positions Available		0	20	0	0	0	0	20
CIVILIAN POSITIONS ELIMINATED		0	45	0	0	0	0	45
Early Retirement	10.00%	0	5	0	0	0	0	5
Regular Retirement	5.00%	0	2	0	0	0	0	2
Civilian Turnover	15.00%	0	7	0	0	0	0	7
Civs Not Moving (RIFs)*	6.00%	0	3	0	0	0	0	3
Priority Placement#	60.00%	0	27	0	0	0	0	27
Civilians Available to Move		0	1	0	0	0	0	1
Civilians Moving		0	1	0	0	0	0	1
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	11	0	0	0	0	11
TOTAL CIVILIAN RIFS		0	6	0	0	0	0	6
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	27	0	0	0	0	27
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC NEWPORT, RI	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	10.00%	0	0	0	0	0	0	0
Regular Retirement	5.00%	0	0	0	0	0	0	0
Civilian Turnover	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	55	0	0	0	0	55
Civilians Moving		0	36	0	0	0	0	36
New Civilians Hired		0	19	0	0	0	0	19
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	19	0	0	0	0	19

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	128	0	0	0	0	128
Civ Retire	0	54	0	0	0	0	54
CIV MOVING							
Per Diem	0	143	0	0	0	0	143
POV Miles	0	8	0	0	0	0	8
Home Purch	0	370	0	0	0	0	370
HHG	0	255	0	0	0	0	255
Misc	0	25	0	0	0	0	25
House Hunt	0	110	0	0	0	0	110
PPS	0	403	0	0	0	0	403
RITA	0	184	0	0	0	0	184
FREIGHT							
Packing	0	9	0	0	0	0	9
Freight	0	16	0	0	0	0	16
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	19	0	0	0	0	19
OTHER							
Program Plan	78	59	0	0	0	0	137
Shutdown	0	95	0	0	0	0	95
New Hire	0	0	0	0	0	0	0
1-Time Move	0	1,835	0	0	0	0	1,835
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	4,563	0	0	0	0	4,563
TOTAL ONE-TIME	78	8,276	0	0	0	0	8,355

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	409	409	409	409	409	2,043	409
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	409	409	409	409	409	2,043	409
TOTAL COST	78	8,685	409	409	409	409	10,398	409

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	85	180	180	180	180	805	180
BOS	0	135	490	490	490	490	2,095	490
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	1,231	2,461	2,461	2,461	2,461	11,075	2,461
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	1	33	33	33	33	133	33
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164
TOTAL SAVINGS	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	182	0	0	0	0	182
Civ Moving	0	1,524	0	0	0	0	1,524
Other	78	2,008	0	0	0	0	2,086
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	4,563	0	0	0	0	4,563
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	78	8,276	0	0	0	0	8,355

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-85	-180	-180	-180	-180	-805	-180
BOS	0	273	-81	-81	-81	-81	-52	-81
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-1,231	-2,461	-2,461	-2,461	-2,461	-11,075	-2,461
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	-1	-33	-33	-33	-33	-133	-33
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-1,044	-2,755	-2,755	-2,755	-2,755	-12,066	-2,755
TOTAL NET COST	78	7,233	-2,755	-2,755	-2,755	-2,755	-3,711	-2,755

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NRL DET ORLANDO, FL

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	128	0	0	0	0	128
Civ Retire	0	54	0	0	0	0	54
CIV MOVING							
Per Diem	0	143	0	0	0	0	143
POV Miles	0	8	0	0	0	0	8
Home Purch	0	370	0	0	0	0	370
HHG	0	255	0	0	0	0	255
Misc	0	25	0	0	0	0	25
House Hunt	0	110	0	0	0	0	110
PPS	0	403	0	0	0	0	403
RITA	0	184	0	0	0	0	184
FREIGHT							
Packing	0	9	0	0	0	0	9
Freight	0	16	0	0	0	0	16
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	19	0	0	0	0	19
OTHER							
Program Plan	78	59	0	0	0	0	137
Shutdown	0	95	0	0	0	0	95
New Hires	0	0	0	0	0	0	0
1-Time Move	0	1,835	0	0	0	0	1,835
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	1,046	0	0	0	0	1,046
TOTAL ONE-TIME	78	4,759	0	0	0	0	4,838

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NRL DET ORLANDO, FL

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	78	4,759	0	0	0	0	4,838	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	85	180	180	180	180	805	180
BOS	0	135	490	490	490	490	2,095	490
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	1,231	2,461	2,461	2,461	2,461	11,075	2,461
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	1	33	33	33	33	133	33
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164
TOTAL SAVINGS	-0	1,452	3,164	3,164	3,164	3,164	14,109	3,164

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NRL DET ORLANDO, FL

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	182	0	0	0	0	182
Civ Moving	0	1,524	0	0	0	0	1,524
Other	78	2,008	0	0	0	0	2,086
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	1,046	0	0	0	0	1,046
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	78	4,759	0	0	0	0	4,838

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-85	-180	-180	-180	-180	-805	-180
BOS	0	-135	-490	-490	-490	-490	-2,095	-490
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-1,231	-2,461	-2,461	-2,461	-2,461	-11,075	-2,461
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	-1	-33	-33	-33	-33	-133	-33
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-1,452	-3,164	-3,164	-3,164	-3,164	-14,109	-3,164
TOTAL NET COST	78	3,307	-3,164	-3,164	-3,164	-3,164	-9,271	-3,164

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0		0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,517	0	0	0	0	3,517
TOTAL ONE-TIME	0	3,517	0	0	0	0	3,517

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC NEWPORT, RI

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	409	409	409	409	409	2,043	409
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	409	409	409	409	409	2,043	409
TOTAL COSTS	0	3,926	409	409	409	409	5,560	409

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,517	0	0	0	0	3,517
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	3,517	0	0	0	0	3,517

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	409	409	409	409	409	2,043	409
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	409	409	409	409	409	2,043	409
TOTAL NET COST	0	3,926	409	409	409	409	5,560	409

INPUT DATA REPORT (COBRA v5.08)
Data As Of 08:24 11/21/1994, Report Created 15:22 02/16/1995

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
NRL DET ORLANDO, FL	Closes in FY 1997
NUWC NEWPORT, RI	Realignment

Summary:
Close NRL Det Orlando.
No military personnel onboard.
Activity desires maintain calibration and standards function at NUWC Newport.

SCENARIO 046

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
NRL DET ORLANDO, FL	NUWC NEWPORT, RI	1,259 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NRL DET ORLANDO, FL to NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	55	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	40	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NRL DET ORLANDO, FL

Total Officer Employees:	0	RPMA Non-Payroll ($K/Year):	180
Total Enlisted Employees:	0	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	490
Total Civilian Employees:	100	BOS Payroll ($K/Year):	295
Mil Families Living On Base:	0.0%	Family Housing ($K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.80
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	76	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	155	Activity Code:	62190
Enlisted VHA ($/Month):	139		
Per Diem Rate ($/Day):	96	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC NEWPORT, RI

Total Officer Employees:	53	RPMA Non-Payroll ($K/Year):	4,770
Total Enlisted Employees:	83	Communications ($K/Year):	0
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	37,532
Total Civilian Employees:	2,579	BOS Payroll ($K/Year):	16,011
Mil Families Living On Base:	68.0%	Family Housing ($K/Year):	77
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.20
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	2,212	CHAMPUS Shift to Medicare:	0.0%
Officer VHA ($/Month):	300	Activity Code:	66604
Enlisted VHA ($/Month):	228		
Per Diem Rate ($/Day):	118	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NRL DET ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	1,046	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	1,835	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	1	33	33	33	33
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 76 Perc Family Housing ShutDown: 0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	3,517	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NRL DET ORLANDO, FL

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	-45	0	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	71.70%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	60.10%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	98.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	76,781.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,925.0	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	33,178.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,251.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	54,694.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	NAVY DBOF BRAC95	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	5.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	39.00%
Avg Bachelor Quarters(SF):	294.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.17
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	3,763.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	4,527.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	1,403.00

Department : NAVY
Option Package : NRL ORLANDO
Scenario File : P:\COBRA\DONE\NRLO.CBR
Std Fctrs File : P:\COBRA\N95DBOF.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	61	Optional Category A	( )	0
Waterfront	(LF)	10,350	Optional Category B	( )	0
Air Operations	(SF)	122	Optional Category C	( )	0
Operational	(SF)	111	Optional Category D	( )	0
Administrative	(SF)	123	Optional Category E	( )	0
School Buildings	(SF)	108	Optional Category F	( )	0
Maintenance Shops	(SF)	102	Optional Category G	( )	0
Bachelor Quarters	(SF)	96	Optional Category H	( )	0
Family Quarters	(EA)	78,750	Optional Category I	( )	0
Covered Storage	(SF)	94	Optional Category J	( )	0
Dining Facilities	(SF)	165	Optional Category K	( )	0
Recreation Facilities	(SF)	120	Optional Category L	( )	0
Communications Facil	(SF)	165	Optional Category M	( )	0
Shipyard Maintenance	(SF)	129	Optional Category N	( )	0
RDT & E Facilities	(SF)	160	Optional Category O	( )	0
POL Storage	(BL)	12	Optional Category P	( )	0
Ammunition Storage	(SF)	160	Optional Category Q	( )	0
Medical Facilities	(SF)	168	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

5 - One-time unique costs related to lease requirement to return Leesburg Field Site to original condx.

5 - One-time moving cost related to transfer of 2 anechoic tanks to NUWC Newport.

5 - One-time unique cost for Newport related to reassembly and construction required for 2 anechoic tanks transfered from USRL Orlando.

5 - Mission savings related to termination of Leesburg Field Site lease which was 32/K per year. Also termination of 1K/yr pipeline lease for lake level at Orlando site.

BRAC-95 Scenario Development Data Call Tasking

Scenario Number:	3-20-0175-046
Scenario Title:	NRL Orlando

Due Date:	1300 EST, 20 November 1994

Description of Closure/Realignment Scenario

Close NRL Det Orlando.

BSAT Points of Contact

Any questions concerning this specific closure/realignment scenario should be addressed to the BSAT Technical Centers Team at (703) 681-0491. General questions regarding COBRA or other costing issues should be addressed to Mr. David Wennergren at (703) 681-0466.

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

Activity: 62190 NRL, USRD

PART 1: MANPOWER DATA - HOST AND TENANTS. This data is provided to assist you in identifying military billets and civilian positions which will either be relocated or eliminated as a result of closure or realignment. Officer (OFF), Enlisted (ENL) and Civilian (CIV) numbers reflect end strength, not on-board counts. The "Planned Force Structure Reduction" column represents the difference between projected "Beginning of FY 1996" and projected "End of FY 2001" end strength. The source of this data is the BUPERS/NAVCOMPT/CMC data bases in support of the FY 1996/1997 OSD Submit. Review this list and make any necessary annotations, including the addition or deletion of lines of data to accurately reflect the host and tenant population. Note that Military Students (STU) must be shown as an Average On-Board (AOB) count. If a significant student population is located at the activity, then all students need to be identified in this table. Student data need only be provided for the "End of FY 2001" column of the table. If any numbers are changed, please provide a revised set of totals at the end of the listing.

			BEGIN FY 1996				PLANNED FORCE STRUCTURE CHANGES				END FY 2001			
UIC	NAME	MAJOR CLAIMANT	OFF	ENL	CIV	STU	OFF	ENL	CIV	STU	OFF	ENL	CIV	STU
N 62190	NRL, USRD	CHNAVRESEARC	0	0	100	0	0	0	0	0	0	0	100	0
		TOTALS:	**0**	**0**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**100**	**0**

NRL ord 1 of 3

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

PART 5: TOTAL FACILITY SQUARE FEET. This is the total Class 2 facility square feet, excluding family housing, MWR and utilities, as reported in the Naval Facilities Assets Data Base (NFADB). This figure is used in determining the number of square feet which will be "shut down" as a result of the closure action.

Total Facility Square Feet (in thousands): 76

PART 6: BASE OPERATING SUPPORT (BOS) COST DATA. This is the total BOS costs reported for the host and tenant activities in Data Call 66. Please review this data and ensure that it is consistent with FY 1996 OSD Submit budget data. If BOS cost data needs to be revised, specific revisions should be noted on a revised copy of the appropriate Data Call 66 table(s), which should then be returned with this data call response.

			***** O&M, etc. *****				***** DBOF *****				***** TOTAL *****			
UIC	NAME	MAJOR CLAIMANT	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY	RPMA NONPAY	RPMA PAY	OBOS NONPAY	OBOS PAY
62190	NRL DET ORLANDO	CHNAVRESEARCH	0	0	0	0	180	360	490	295	180	360	490	295
		TOTALS:	0	0	0	0	180	360	490	295	180	360	490	295

NRL Orl 2 of 3

BRAC-95 SCENARIO DEVELOPMENT DATA CALL
ATTACHMENT 1: BASE LOADING DATA

PART 7: CONTRACT WORKYEAR DATA. This is the total contract workyear data reported by the host and tenant activities in Data Call 66. Please review this data, especially the columns regarding contract workyears which will either be eliminated or transferred as a result of the closure/realignment action. Sum of workyears transferred + eliminated + remaining at activity must equal Total Contract Workyears. Annotate corrections as necessary.

UIC	NAME	MAJOR CLAIMANT	TOTAL CONTRACT WORKYEARS	NO. OF WORK-YEARS TO BE TRANSFERRED	NO. OF WORK-YEARS TO BE ELIMINATED	NO. OF WORK-YEARS REMAINING AT ACTIVITY
62190	NRL DET ORLANDO	CHNAVRESEARCH	9	0	0	0
		TOTALS:	9	0	0	0

NRL Orl 3 of 3

BSAT

Department of the Navy
Base Structure Analysis Team

BRAC-95 Scenario Development Data Call Tasking

URGENT

To: Mr. Fred Esposito		
Organization : CNR		
Fax Number : 696-5383	Date : 11/18/94	Time : 1130

Complete a BRAC-95 Scenario Development Data Call response for the closure/realignment scenario(s) outlined on the next page. A Base Loading Data Attachment (Attachment One to the Scenario Development Data Call) for each losing base involved in the scenario has been provided with this fax tasking. General guidance in preparing data call responses is provided below. Specific guidance on the closure/realignment scenario is provided on the next page.

In developing your Data Call response, every effort should be made to minimize the costs associated with the closure action and to ensure that completion of the action takes place as rapidly as possible. The BSEC tasking for this scenario may include specific directions on the relocation of functions/organizations. In the absence of specific direction from the BSEC, only essential functions, equipment, etc., should be relocated. All others should be eliminated/excessed. To this end, for any activity identified as being relocated in your data call response (with the exception of relocations specifically identified by the BSEC), you must provide a detailed narrative explanation on the specific operational requirement that supports movement to another location as opposed to elimination of the activity.

As the lead major claimant for this data call response, it is your responsibility to ensure that all necessary coordination with other major claimants and consolidation/summarization of responses is completed prior to submitting a data call response. Contact the BSAT if you need a POC list for other major claimants.

As detailed in the Scenario Development Data Call format, the following data submission and certification procedures will be followed. An advance copy of the completed data call response, along with a major claimant-level certification, will be either hand carried or faxed to the BSAT by the lead major claimant. The original copy of the data call response must be forwarded, via the chain of command, as soon as possible thereafter.

Due date for submission of the advance copy of the data call response, along with POCs on the BSAT for this scenario, are provided on the next page. Every effort must be made to ensure that data calls are submitted on time. Primary fax number for the BSAT for Scenario Development Data Call responses is (703) 756-2172. An alternate fax number is (703) 756-2174. Due to the size of some of these data call responses, major claimants in the Washington, DC area should try to hand deliver, rather than fax their responses.

* * * * * ***48 Hour Turnaround Required*** * * * * *

Number of Pages, including cover page: 6

URGENT

BRAC-95 Scenario Development Data Call Tasking

Base Loading Data Attachment

A Base Loading Data Attachment (Attachment One to the Scenario Development Data Call) is provided, with this fax, for each base in the scenario which is being considered for closure/realignment. See pages 3 - 4 of the Introduction to the Scenario Development Data Call, and the text accompanying each part of this Attachment, for more information on the use of the Base Loading Data Attachment in responding to Scenario Development Data Call taskings. The Base Loading Data Attachment is composed of the following seven parts (note that parts 5 and 6 are shown on the same page):

Part 1: Manpower Data - Host and Tenants. Table is a listing of the host activity and all tenant activities at the base. Manpower numbers (end strength) are shown for the start of FY 1996 (End FY 1995) and the end of FY 2001 (the difference between these two columns being the planned force structure changes).

Part 2: Manpower Data - Detachments. Table is a listing of detachments of the activity being considered for closure/realignment.

Part 3: Manpower Data - Special Use Areas. Table is a listing of "special use areas" of the activity being considered for closure/realignment.

Part 4: Manpower Data - Non-Department of the Navy (DON) Tenants. Table is a listing of the Non-DON tenant activities at the base.

Part 5: Total Facility Square Feet. Total Class 2 facility square feet at the base, excluding family housing, MWR and utilities, as reported in the Naval Facilities Assets Data Base(NFADB).

Part 6: Base Operating Support (BOS) Cost Data. FY 1996 BOS Costs, regardless of appropriation, as reported in Data Call 66 response(s).

Part 7: Contract Workyear Data. Contract Workyear data, as reported in Data Call 66 response(s).

If a blank page is printed rather than one of the "Parts" of the Base Loading Data Attachment, then no records were found for this particular table (e.g., the activity had no detachments, etc.).

Each Scenario should be considered as a distinct, stand alone closure/realignment alternative.

DEPARTMENT OF THE NAVY
OFFICE OF NAVAL RESEARCH
800 NORTH QUINCY STREET
ARLINGTON, VA 22217-5660

IN REPLY REFER TO

11010
Ser 91/402
22 December 1994

From: Chief of Naval Research
To: Chief of Naval Operations (N44)

Subj: 1995 BASE REALIGNMENT AND CLOSURE (BRAC) SCENARIO DEVELOPMENT DATA CALL SCENARIO NUMBER 3-20-0175-046

Ref: (a) PHONCON BSAT LT May/ONR (91) Mr. F. Esposito of 28 Nov 94
(b) ONR First Endorsement of NRL ltr 1200 3000/067 of 21 Nov 94

Encl: (1) Underwater Sound Reference Detachment and Naval Research Laboratory Responses with Certifications

1. Enclosure (1) forwards additional information and justifications requested by reference (a), in support of reference (b), and required certification. As required, the uncertified information was facsimiled to the BSAT on 29 November 1994.

2. The ONR point of contact is Mr. Frederick C. Esposito who may be reached on (703) 696-4613.

MARC PELAEZ
Rear Admiral, USN

3-22-[illegible]

The 55 positions that would be transferred to NUWC, Newport under the latest BRAC-95 scenario are as follows:

Supervisory Research Physicist	GM-15	2
	GM-14	3
Research Physicist	GM-14	3
	GM-13	3
	GM-12	1
Physicist	GM-14	1
	GS-12	2
	GS-11	1
Mechanical Engineer	GM-13	3
	GS-12	2
	GS-11	1
Supervisory Electronics Engineer	GM-14	1
	GM-12	1
Electronics Engineer	GS-12	2
	GS-11	1
	GS-9	2
Supervisory Chemist	GM-14	1
Research Chemist	GM-14	1
Chemist	GS-11	1
Mathematician	GS-12	1
Physical Science Technician	GS-12	1
	GS-11	2
	GS-10	3
	GS-9	2
Engineering Technician	GS-11	2
	GS-10	2
	GS-9	2
	GS-8	1
Electronics Technician	GS-11	1
	GS-9	2
Chemical Engineering Technician	GS-11	1
Computer Specialist	GM-13	1
Measurements Program Coordinator	GS-11	1
Editorial Assistant/Calibration Report Specialist	GS-6	1

Nearly all of these positions (51) are in the two USRD scientific branches, the Measurements Branch (5980) and the Acoustical Materials and Transduction Branch (5910).

COST ESTIMATE

Sheet 1 of 3

Activity and Location: NRL/USRD

Construction Contract No.:

Identification Number:

Project Title: Remove ATF II (Without Repairs)

Estimated by: Means Est. Guide 7th Ed. 1988

Category Code Number:

Status of Design: ☐ PED ☐ 30% ☐ 100% ☐ FINAL ☐ Other (Specify) ______

Job Order Number:

Item Description	Quantity Number	Quantity Unit	Material Cost Unit Cost	Material Cost Total	Labor Cost Unit Cost	Labor Cost Total	Engineering Estimate Unit Cost	Engineering Estimate Total
ATF II Removal								
Subtotal								316,382
Contingency @ 10%								348,020
Contractor O.H. @ 65%								574,233
Contractor Profit @ 10%								631,656
Means Inflation 1988-1994 @ 35%								852,736
TOTAL								852,736

BRAC-95
Back Up Data ATF - removal

COST ESTIMATE

SHEET 2 OF 3

ACTIVITY AND LOCATION: NRL /USRD

PROJECT TITLE: Remove ATF II (without Repairs)

CONSTRUCTION CONTRACT NO.:

ESTIMATED BY:

STATUS OF DESIGN: ☐ PED ☐ 30% ☐ 100% ☐ FINAL ☐ Other (Specify)

IDENTIFICATION NUMBER:

CATEGORY CODE NUMBER:

JOB ORDER NUMBER:

ITEM DESCRIPTION	QUANTITY NUMBER	QUANTITY UNIT	MATERIAL COST UNIT COST	MATERIAL COST TOTAL	LABOR COST UNIT COST	LABOR COST TOTAL	ENGINEERING ESTIMATE UNIT COST	ENGINEERING ESTIMATE TOTAL
Disconnect Electric	5000	L.F			.80	4000	.80	4000
Disconnect Plumbing	2000	L.F			1.99	3980	1.99	3980
Remove Ancillary Equip.	4	EA			1600	6400	1600	6400
Remove Windows	20	EA			125	2500	125	2500
Remove Metal Bldg	1	EA.					62400	62400
Demo 2nd Floor	92	CY			75	6944	75	6944
Remove Cranes (7)	15400	LB			.84	12936	.84	12936
Remove Structural Steel	237	TN			215	50955	215	50955
Crane Rental	40	DA.	600	24000				24000

COST ESTIMATE

ACTIVITY AND LOCATION: NRL / USRD

PROJECT TITLE: Remove A I F II without Repairs

CONSTRUCTION CONTRACT NO.

ESTIMATED BY

STATUS OF DESIGN: ☐ P&D ☐ 30% ☐ 100% ☐ FINAL ☐ Other (Specify)

IDENTIFICATION NUMBER

CATEGORY CODE NUMBER

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY NUMBER	QUANTITY UNIT	MATERIAL COST UNIT COST	MATERIAL COST TOTAL	LABOR COST UNIT COST	LABOR COST TOTAL	ENGINEERING ESTIMATE UNIT COST	ENGINEERING ESTIMATE TOTAL
Remove Elevator	1	EA.					140250	140,750
Hauling and Landfill	148	CY	7.15	1058	3.10	458	10.25	1517
Subtotal								316,382

11/28/94 15:44 ☎407 857 5259 NRL USRD MEAS BR →→→ OCNR ☑008

NAVDOCKS 2417 and 2417A

COST ESTIMATE

DATE PREPARED

SHEET 1 OF 2

ACTIVITY AND LOCATION: NRL USRD

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY: [signature]

CATEGORY CODE NUMBER

PROJECT TITLE: Remove ATF I (Without Repairs)

Means Est. Guide 7th Ed. 1988

STATUS OF DESIGN: ☐ PED ☐ 30% ☐ 100% ☐ FINAL ☐ Other (Specify)

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY NUMBER	QUANTITY UNIT	MATERIAL COST UNIT COST	MATERIAL COST TOTAL	LABOR COST UNIT COST	LABOR COST TOTAL	ENGINEERING ESTIMATE UNIT COST	ENGINEERING ESTIMATE TOTAL
Subtotal Page 2								93370
Contingency @ 10%								102707
Contractor O.H @ 65%								169,466
Contractor Profit @ 10%								186,413
Means Inflation 1988-1994 @ 35%								251,657
TOTAL								

S/N 0101-LF-010-1310

BRAC-95
Back Up Data ATF removal

COST ESTIMATE

ACTIVITY AND LOCATION: NRL/USRD

PROJECT TITLE: Remove ATFI (Without Repairs)

CONSTRUCTION CONTRACT NO.

ESTIMATED BY

STATUS OF DESIGN: ☐ PRD ☐ 30% ☐ 100% ☐ FINAL ☐ Other (Specify)

IDENTIFICATION NUMBER

CATEGORY CODE NUMBER

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY NUMBER	QUANTITY UNIT	MATERIAL COST UNIT COST	MATERIAL COST TOTAL	LABOR COST UNIT COST	LABOR COST TOTAL	ENGINEERING ESTIMATE UNIT COST	ENGINEERING ESTIMATE TOTAL
Disconnect Electric	2000	L.F			.80	1600	.80	1600
Diconnect Plumbing	1000	L.F			1.99	1990	1.99	1990
Remove Ancillary Equip.	10	EA			1200	12000	1200	12000
Construct Shoring	1	EA					29600	29600
Demo 2nd Floor	20	CY			75	1500	75	1500
Demo West Wall	14	CY			100	1400	100	1400
Construct Rigging	3	CR	4000	12000	5000	15000	9000	27000
Remove Shoring	1	EA					15000	15000
Hauling and Land fill	320	CY	7.15	2288	3.10	992	10.25	3280

I/O 0105-LF-010-8000

The estimated cost of $2405K to remove both ATF-I and ATF-II from Orlando and ship to NUWC, Newport is broken down as follows:

	ATF-I	ATF-II
Transportation[a]	$300K	$1000K
Demolition, without repairs[b]	252K	853K
	$552K	$1853K

a The transportation cost for ATF-II when it was acquired in 1987-90 was $1156K, excluding the cost of moving the tank from the Netherlands where it was fabricated to POE, United States. We conservatively estimate the cost to move it from Orlando to Newport at $1000K. The transportation cost for ATF-I is estimated at about 30% of that of ATF-II, the 30% factor based on the relative size and weight of the two tanks.

b The demolition costs were estimated using the Means Est. Guide 7th Ed. 1988 with corrections for inflation since 1988. A breakdown of these costs for both ATF-I and ATF-II is attached.

The estimated cost of $4407K for relocation of ATF-I and ATF-II at NUWC, Newport is broken down as follows:

	ATF-I	ATF-II
excavation, concrete, structural steel, cranes and elevator	$800K[b]	$3000K[a]
tank insulation	10K	41K
test enclosure	0[c]	84K
HVAC and lighting	0[c]	46K
Pressurization equipment	0[d]	121K
Pressurization installation and control system	0[d]	50K
Tank water heating and cooling equipment	80K	175K
	$890K	$3517K

a The cost for these items for ATF-II when it was acquired in 1987-90 was $2102K. Application of a conservative correction for inflation produces the $3000K estimate.

b These costs are estimated by reducing the estimate for ATF-II in accordance with their relative sizes.

c It is assumed that a building is already available at NUWC, Newport that can house ATF-I. It is highly unlikely that the same would be true for ATF-II because of its much greater size, weight and associated handling equipment.

d ATF-I and ATF-II can share pressurization equipment.

The Navy owns and operates five (5) large pressure tanks for evaluating underwater sonar transducers and related materials under a wide range of operational temperature and ambient pressure conditions. Two of these , ATF-I and ATF-II, are at NRL, Orlando. The other three are at NSWC, Crane. One of the tanks at NSWC, Crane is a duplicate of ATF-I. The other two at NSWC are recently refitted nuclear reactor vessels that have just been brought on line. These tanks are both somewhat larger than ATF-I being 14 m long and 4.57 m in inside diameter. They both have a single entrance that is 1.067 m (42 in) in diameter, much smaller than the 1.85 m diameter of the larger of the two ports in ATF-II. The smaller of the three NSWC, Crane tanks was obtained about twenty years ago for production testing under the assumption that ATF-I could not handle the entire Navy workload. Since its installation in the early 1950-s ATF-I has been used for most acoustic performance tests on prototype Navy sonar transducers and related materials through first article tests. It has also been used on a regular basis for sample lot production tests on the MK-48 torpedo transducer. Because of its size ATF-I can not be used to evaluate transducers or acoustic coating materials at frequencies below about 2 kHz. Many Navy underwater acoustic systems are designed to operate well below 2 kHz. It also cannot accommodate acoustic coating samples in panel sizes larger than about 75 cm x 75 cm. Larger panel sizes are required to obtain a realistic measure of the performance of complex coating materials that are being considered for next generation sonar systems. Also ATF-I does not have a large enough port to accommodate the MK-48 ADCAP torpedo transducer. [Neither do any of the three NSWC, Crane tanks.] ATF-I also only goes to 1000 PSI. This is not a sufficiently high enough hydrostatic pressure to meet the acceptance test requirements for ADCAP (over 2000 PSI). To meet the needs of both larger size transducers and material samples and lower frequencies ATF-II was acquired in 1990. It was fitted in 1991-92 with a special positioning arm and signal generation and data acquisition system for evaluating MK-48 ADCAP torpedo transducers and has been used periodically for ADCAP evaluation since then. With minor modification, the ADCAP positioning arm can also be used for acceptance testing for the new MK-50 torpedo transducer. ATF-II has also been used to perform measurements in support of a number of other Navy programs. For example, we have provided measurements on coating sample panels up to 1.75 m x 1.75m. ATF-I continues to be used on nearly a full-time basis for acoustic measurements that do not require the larger size or larger port of ATF-II. Some of the Navy programs currently being supported with acoustic measurements in ATF-I are (1) acoustic coating development for NSSN and Seawolf [some of these measurements are performed with a special fixture attached to the large port lid of ATF-I], (2) Tomahawk acoustic pinger evaluation, (3) SWIMSS transducers (Shallow Water In-Line Multiplexed Sensor System, (4) MK-30 Towed Array, (5) Scattering Measurement from coated target samples for Navy target classification programs, (6) AMFIP towed array transducer, (7) AMDS (Advanced Mine Detection System) transducers for NSSN, (7)) MK1 Mod 3 torpedo target for NUWC Keyport tracking range, (8) low-frequency hydrophones for mine neutralization vehicles, (9) Emergency shutdown pinger for torpedo application, (10) transducers for obstacle avoidance sonar for swimmer delivery vehicle in shallow water, (11) Hydrophones for BARSTUR (Barking Sands Tactical Underwater Tracking Range. We note that over 95% of the work performed in both ATF-I and ATF-II is for the Navy. At a minimum the Navy needs to keep ATF-II in operation. Since ATF-II is a more complex tank requiring more time for rigging, ATF-I is a cost effective choice for making all of the measurements that do not require the larger size, larger port, or higher pressure capability of ATF-II. For this reason it is recommended that ATF-I also be kept in service.

5900/069
Date: 23 November 1994

From: Code 5900

To: Code 1000

Via: Code 5000
Code 1001

Subj: CRITICAL SITUATION FOR NAVY IN SONAR TRANSDUCER RDT&E AND MANUFACTURING

1. While it is evident that ASW capability is not as critical today as it was at the peak of the Cold War, it is imperative that critical capabilities be maintained and supported by responsible management. This memorandum is not meant to be a plea to keep USRD open, but to call attention to a rapidly developing situation that could cause problems for the Fleet in the future and death for sailors who might be placed in harms way.

2. Because of ASW cutbacks I would estimate that industry has lost about 70% of the sonar transducer engineers who were engaged in the design of sonar transducers. Mr. Bernie McTaggart, Head of the Transducers & Hull Arrays Division at NUWC in New London agrees with this assessment. If NRL Orlando and NUWC, New London are closed, the Navy will lose about 50% of the scientists, engineers, and technicians currently engaged in sonar transducer work. Included in the 50% would be virtually all of the senior level management and a large portion of the more senior scientists, engineers and technicians.

3. I believe that this critical situation requires the attention of higher Navy officials, well beyond my level and yours.

J. E. Blue

J. E. BLUE
Superintendent
Underwater Sound Reference Detachment

DATA CALL

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

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

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

ACTIVITY COMMANDER

R. M. CASSIDY
NAME (Please type or print)

L. M. Cassidy
Signature

CO
Title

12-19-94
Date

NRL
Activity

ATA CALL

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print

Signature

Title

Date

Activity

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

NEXT ECHELON LEVEL (if applicable)

NAME (Please type of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

MARC PELAEZ
NAME (Please type or print

Signature

CHIEF OF NAVAL RESEARCH
Title

12/20/94
Date

OFFICE OF NAVAL RESEARCH
Activity

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

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

W. A. EARNER
NAME (Please type of print

Signature

1/5/95
Date

Title

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950524-16

OM: GRAHAM, BOB	TO: COX, REBECCA
TITLE: SENATOR (FL)	TITLE: COMMISSIONER
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT
CHAIRMAN DIXON			
STAFF DIRECTOR	✓		
EXECUTIVE DIRECTOR	✓		
GENERAL COUNSEL	✓		
MILITARY EXECUTIVE			
DIR./CONGRESSIONAL LIAISON			
DIR. COMMUNICATIONS			
[redacted]CUTIVE SECRETARIAT			
DIRECTOR OF ADMINISTRATION			
CHIEF FINANCIAL OFFICER			
DIRECTOR OF TRAVEL			
DIR./INFORMATION SERVICES			

COMMISSION MEMBERS	FYI	ACTION	INIT
COMMISSIONER CORNELLA			
COMMISSIONER COX	✓		
COMMISSIONER DAVIS	✓		
COMMISSIONER KLING	✓		
COMMISSIONER MONTOYA	✓		
COMMISSIONER ROBLES	✓		
COMMISSIONER STEELE	✓		
REVIEW AND ANALYSIS			
DIRECTOR OF R & A	✓		
ARMY TEAM LEADER			
NAVY TEAM LEADER	✓		
AIR FORCE TEAM LEADER			
INTERAGENCY TEAM LEADER	✓		
CROSS SERVICE TEAM LEADER	✓		

TYPE OF ACTION REQUIRED

	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

COMMENDING COMMISSION ON HANDLING OF PROCESS SO FAR.

Due Date:	Routing Date: 950524	Date Originated: 950518	Mail Date:

BOB GRAHAM
FLORIDA

United States Senate

WASHINGTON, DC 20510–0903

May 18, 1995

Ms. Rebecca Cox
C/o Defense Base Realignment
And Closure Commission
1700 North Moore Street, Suite 1425
Arlington, Virginia 22209

Dear Ms. Cox:

I commend you on the work that the Defense Base Realignment and Closure Commission (BRAC) has done thus far in this difficult and challenging base closure process. We Floridians entered the BRAC process knowing well that our military facilities are among the best and the most militarily valuable in the world. Moreover, they are national assets upon which our Nation depends heavily for its national security.

I am glad that we had the opportunity to meet and discuss many of these important base closure issues. To date, I have been very impressed with the Commission's work. Clearly, all members of the BRAC commission, strive to make fair judgments and have a strong commitment to what is in the best interest of our Nation.

As you may appreciate, there are still a number of things that I am concerned about regarding this base closure process, including the future of Homestead ARB, Eglin AFB's test equipment, and the Orlando Navy Nuclear Propulsion Training Center. It is my continued hope that the Commission will pursue actions which seek the best economic and strategic options for our Nation as it proceeds in the final months of the base closure and realignment process.

I wish you the best as we continue in the base closure process, and I look forward to working with you closely in the remaining months. Please feel free to contact me or my staff if there is anything I can do to be of assistance to you.

With warm regards,

Sincerely,

United States Senator

BG/jmp

We would like to recommend, Chairman Dixon, that the Committee analyze the Air Force's decision on electronic combat to look at the total Air Force cost impact versus just to cost reduction of materiel command that the Air Force would realize. Look at the overall test and evaluation -- operational test and evaluation -- and electronic combat training impact on the Air Force that this move will require. And overall the soundness of this decision to dismantle the DOD electronic combat range, which has been rated highest in functional value in recreating in the Western United States in a time ... really defining miliatry presence. That concludes our statement, sir.

Chairman Dixon: Thank you very much, General Gillis, for that fine presentation. Now we're pleased to have the distinguished Congressman from Orlando, my old friend, Congressman Bill McCollum. We're glad to have you here.

Congressman Bill McCollum: Mr. Chairman, I'm very glad to be here with you today. I'm here to represent the City of Orlando, the County of Orange, as well as the Economic Development Team, Commission of Southern Florida. And, I'm here on two installations. And, I know in five minutes, that's hard to discuss, but I've prepared a statement I'm going to submit, and as we used to do in Congress, I would submit it for the record, and I'm going to summarize it, and ... for the record.

Chairman Dixon: It will be reproduced (in for) the record.

Congressman Bill McCollum: There are two installations. The first installation is the Naval Research Laboratory Underwater Sound Reference Detach in Orlando, which is scheduled to be transferred to Newport, Rhode Island ... -established in its present form. In short, this is a laboratory which conducts the calibration of standards of the Navy for sonar for all the underwater transducers. It's been doing this for years; it's fifty years old, ... the old Bell Laboratories in WWII. The issue that I want to raise to your attention, is that I think there's substantial deviation in the decision of the Department of Defense to do what it's doing in this case, from three criteria on your -- your criteria. One of those is the criteria that invovles the current and future mission and operational readiness. Another is the one that involves cost and manpower implications. The third one is return on investment. I'll put it very simply to you that the facility in Orlando is unique; it's a small facility. You have all civilian employees; about 105 of them; no active-leave military. There's a lake, called Lake Leesburg, which is one of two lakes that these tests are conducted on, and that lake is unique; it's spring-fed; it has a depth of 60 meters; there are a lot of other technicals that are in your material that you can look at. There is no other facility, no other lake, no other body of water in the continental United States capable of doing the kind of testing with the accuracy that it's done at this facility. And, I don't see any reference to any material which we've been given by the Navy that indicates that they've taken this into account, and what's that's going to do to operational readiness. I don't think the technical people looking at it fully realize or appreciate what they've got here. In addition to that, you've go fifty years of testing that's been done in this particular temperature and this particular condition to compare this sort of stuff with. And, I understand from the technicians involved that you simply can't start all over again somewhere else in a colder body of water and come up with the same kind of answers and the same attitude and ... they do. Plus, 10-to-20 percent of the personnel are the only ones that are going to move to Rhode Island when they go to this facility, and that's a lot of expertise that will be lost. I think that that's military value that's lost. We've got questions out to the Navy now; and the other issues on the dollars and cents we'll be able to present to you in much more detail through the process when we get those answers back.

I want to turn to the Nuclear Power School question, next, in Orlando, very briefly. Currently we are a closed Naval Training ... in Orlando. One of the components of closure was Nuclear Power School and the School A that supplements it, scheduled to move up to New London, CT. Last base closure, the decision was made not to close the subschool there; as a result of that, the cost of the move has increased dramatically. Originally it was projected to be $46 million. The staff of last (the tanks commission add) another $50 million, estimated $96 million cost to move. It's turned out it's $162 million. So the Navy now says, Let's move this to Charleston, S.C., and build a new building there, and school -- and all it's going to cost us $147 million, giving $15 million in savings. It's not good enough. They have no consideration of what is the obvious, which is to leave that portion of the Nuclear Power School of the Naval Training Center right where it is in Orlando today. It would save you $140 billion plus, if you did that. There needs to be a COBRA analysis. I hope that your staff can encourage them to look at this, and see just what's there. Orlando's going to keep it's Navy Exchange when those bases close, because it's biggest money-revenue producer of the retirement community in the entire United States Navy. The recreational facilities are going to remain there; houses are going to be there; and the Nuclear Power School is one of the most modern facilities that the Navy has. The buildings are there; the community would like to keep it; and there's no savings involved in this. It was just going to be moved to New London where it makes sense where the rest of the Nuclear Navy is. Nuclear Navy is not in South Carolina. There are a couple of follow-on schools there that may save a little bit of money, but most of the follow-on schools are elsewhere. So, I would suggest that when we finish our look at this, andwe want you to look at it, that you're going to want to add this on and look at redirecting and where it's being redirected to.

Last, I want to comment on something that's not on the list; I'm not going to talk about it today, but I'd just like to alert you to: We are a loser, and it's not on your list for us to look at, in Orlando of the Armstrong

Document Separator

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

APR 20 1995

APR 18 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

Thank you for your letter of March 28, 1995, to the Secretary of the Navy, concerning the Naval Research Laboratory Underwater Sound Reference Detachment (NRL-USRD), Orlando, Florida. I am responding for Secretary Dalton.

Responses to the 23 questions you asked regarding the Department of the Navy's recommendation to disestablish the NRL-USRD, are attached. They are based on certified information in our 1995 Base Structure Data Base: that which we forwarded originally to the 1995 Defense Base Closure and Realignment Commission, and additional information, also provided to the Commission, that we subsequently obtained from the reply to a data call we issued specifically to enable our response to your query.

I trust this information satisfactorily addresses your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS CONCERNING
THE NAVAL RESEARCH LABORATORY,
UNDERWATER SOUND REFERENCE DETACHMENT, ORLANDO, FLORIDA

Q1. In the Navy's justification for the closure of NRL-USRD, the Department states that "specific reductions for technical centers are difficult to determine, because these activities are supported through customer orders." Because specific reductions in "technical centers" like the NRL-USRD are hard to determine and due to the fact that the overall budget process is dependent upon customer orders, why would any expenditure of funds on behalf of the Department to relocate the activity be a wise, or cost saving move?

A1. Because the overhead/fixed cost to maintain a facility is virtually independent of the number of people working in it, relocation of the calibration and standards function with associated personnel, equipment and support from NRL-USRD to NUWC Newport will not significantly increase overhead/fixed costs at Newport, but will eliminate fixed costs to operate NRL-USRD, resulting in substantial savings to the DoD.

Q2. It is my understanding that the laboratory located in Orlando is run similarly to the way a business might operate in that salaries and the demand for additional staffing levels are based upon consumer purchases. Is this the case with respect to NRL-USRD?

A2. NRL-USRD is a DBOF-funded activity and as such receives very little institutional funding. Operational funding is dependent upon program/customer dollars.

Q3. If the answer to question two above is in the affirmative, please explain why any disruption of productivity or relocation would be of benefit to the Department of Defense. If the market dictated a reduction in activity, is it not incumbent upon the USRD to make adjustments to personnel based upon market demand?

A3. The closure of NRL-USRD benefits the DoD in that it reduces overhead/fixed costs. Certified data provided by NRL-USRD Orlando reported annual receipt of DBOF overhead funding in the amount of $1.325M. As personnel and functions relocating to NUWC Newport will occupy space already existing at Newport, and for reasons stated in response to question 1, costs of this amount would not be incurred by Newport. Therefore, savings are achieved by the Department.

Q4. The Navy cites an annual savings of $2.8 million. It is my understanding that the savings noted above are generated from the loss of contract employees such as security personnel and utilities. Please explain the source for these savings and

indicate why the costs for utilities, contract personnel and other costs associated with the $2.8 million would not be a recurring expense at the gaining facility.

A4. The annual savings of $2.8M in the NRL-USRD Orlando scenario include $2.5M civilian salary savings for the 45 civilian positions eliminated as a result of this closure. It also shows net non-payroll savings for base operations support of $.3M. These savings were calculated using the Cost of Base Closure and Realignment Actions (COBRA) algorithms which the DoD mandated for use by the Military Departments.

Q5. According to notations found in the "Scenario Development Data Call," there is reference to restoration of the facility to its natural state - both in Leesburg and in Orlando. However, I was unable to find any reference to the estimated $3 million to restore the main site to its natural condition. Is this expenditure included in your analysis? If so, why was it deleted from the COBRA run that was made available to my office. How does the inclusion of this expenditure impact the COBRA results? Please provide a corrected COBRA analysis.

A5. The certified scenario development data call response from NRL-USRD reported an "Other One-Time Unique Cost" of $1.046M, which resulted from provisions of the Leesburg site lease requiring that the property be returned to its "original pristine condition." This amount was included in COBRA analysis.

Q6. Please provide me with a listing of DoD's direct annual appropriations to NRL-USRD for FY-92 - FY-95. In addition, please provide a listing of DoN's appropriations to NRL-USRD for those same years. In addition, please provide me with the total "reimbursable funding" received by the facility for each of the years stated above. Finally, please provide a list of the "contracts" that the DoN sponsored through "work requests" with NRL-USRD for the same period of time.

A6. There are no direct appropriations applicable to NRL-USRD. Funding received by NRL-USRD for FY 1992 - FY 1995 is provided below:

	Reimbursable ($000)	Direct Cite ($000)	Total ($000)
FY 1992	13,895.8	270.0	14,165.8
FY 1993	14,266.8	1,750.3	16,017.1
FY 1994	8,279.9	842.0	9,121.9
FY 1995	6,037.7	0.0	6,037.7

Direct program contracts (all sources) are listed on attachment A

Q7. Please supply me with the annual operating budgeting of NRL-USRD for FY-92 - FY-95 in detail, including separate line items for the following items: payroll, utilities, real property maintenance, leases, and contract employees.

A7. Annual operating budget information for NRL-USRD for FY 1992 - FY 1995 is provided on attachment B.

Q8. It is my understanding that DoN uses the anechoic tank facility to test critical Navy underwater acoustic devices and related materials for the ADCAP torpedo sonar and acoustic hull treatments for the new attack submarine. What will DoN do to replace the anechoic tank facility? At what total cost? How much down time is required to accommodate this relocation?

A8. The Anechoic Tank Facility II (ATF II) will be relocated to NUWC Newport. The certified scenario development data call response from NRL-USRD reported a cost of $1.853M to break down and transport the ATF II and a cost of $3.517M to reassemble the AFT II at NUWC Newport, for a total cost of $5.370M. Certified data indicated this relocation will require less than one year to accomplish. Other tanks at NRL-USRD will be excessed and tanks existing at other sites will be used.

Q9. It is my understanding that DoN uses its low-frequency facility in Orlando to test critical Navy underwater acoustic devices and related materials for the SOSUS hydrophones and acoustic hull treatments for the new attack submarine. What will DoN do the replace the low frequency facility? At what total cost? How much down time is required to accommodate this relocation?

A9. The low-frequency facility at NRL-USRD will not be relocated to NUWC Newport. The Navy will utilize existing low-frequency facilities at other Naval activities/ranges to satisfy mission/customer requirements of this nature.

Q10. Does the gaining activity, NUWCDIVNPT, plan to retain the lake facility at Leesburg? How will USRD perform the testing now conducted at this location without Leesburg? Please elaborate and include any additional costs associated with conducting these test at a different location.

A10. The Leesburg facility will not be retained. This decision is consistent with the Navy's goal to continue down-scoping of acoustic testing to a few, full-spectrum activities. The Navy will utilize existing facilities at other Naval activities to accomplish testing similar to that conducted at the Leesburg site.

Q11. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "level of forces and of the budget are reliable indicators of sharp declines in technical center workload through FY-2001, which leads to a recognition of excess capacity in these activities." Please provide the excess capacity analysis that was performed regarding the NRL-USRD that led to the conclusion that there was excess capacity in the category of work performed at this center.

A11. The Department of Navy calculated excess technical capacity at an aggregate level as explained in the report and deliberative minutes. In the activities involved with technical efforts, the Navy has excess capacity of 15237 workyears by FY 1997 and 26587 workyears by FY2001. Excess capacity was reduced by the consolidation of necessary functions, equipment and personnel to fewer number of sites.

Q12. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "disestablishment of this laboratory reduces excess capacity by eliminating unnecessarily redundant capability..." Please indicate the activities, measurements, testing, evaluation, calibrations and standards functions that are concurrently performed at the NRL-USRD that is being concurrently preformed at any other facility and please provide the name of each such facility.

A12. Functions such as measurement, testing, evaluation, and calibration and standards of acoustic transducers and materials are also performed at NSWC Carderock, MD; NUWC Keyport, WA; NUWC Newport, RI; NSWC Crane, IN; NSWC Panama City, FL; and NCCOSC, San Diego, CA. Although there is little direct duplication among all of these sites, appropriate skills, disciplines and equipment exists to assume additional workload and functions. Where specific equipment is not available at a proposed receiving site, appropriate equipment is moved.

Q13. It is my understanding that NRL-USRD is the only facility of its nature that is located in a southern, warm climate. Is this correct? If so, please indicate how testing, evaluations, calibrations, and standards functions performed in this environment can be considered "redundant?"

A13. The Navy also operates ranges and facilities in the Bahamas and along the Gulf Coast and in other locations. As noted in A-12, there are other facilities where similar work is being or can be performed. The Navy will utilize these and other facilities to continue necessary functions.

Q14. Please provide me the historical reasons for why the Navy established the NRL-USRD in Orlando in the 1940's.

A14. The Underwater Sound Reference Laboratory (USRL) was established in 1941. At that time, in the infancy of underwater acoustics, there was a need for an organized program for developing standard hydrophonic instruments and methods for making precision measurements on underwater acoustical devices. Toward fulfilling this need, a contract between the Navy's Office of Scientific Research and Development (now the Office of Naval Research) and the Western Electric Company was signed for the establishment of USRL, with experimental work to be performed by the Bell Telephone Laboratories.

Lake Gem Mary, one mile South of Orlando, Florida, was selected as the site because of its nearly circular shoreline and roughly conical bottom. Furthermore, the climate offered assurance that the water would be free of ice the year round. In addition, a small lake was considered more suitable, at that time, than a stream or a larger body of water, because it would have less interference from waves, tides, and boat traffic.

Q15. It is my understanding that the NRL-USRD is the Navy's institution for standardizing underwater acoustic measurements and that USRD provides a link in the traceability of underwater acoustic measurements to the National Institute of Standards and Technology (NIST). How will the relocation of this facility and the inevitable loss of expertise, interruption of testing, and reestablishment of facilities in NUCWDIVNPT affect this essential provided by USRD? What is the estimated total time of interruption of services that are associated with this relocation?

A15. Continuing with the DoN thrust of previous consolidations, NUWC Newport will become the primary source for standardizing underwater acoustic measurements. Total time of interruption of services associated with relocation to NUWC Newport is an implementation issue. However, certified data from NRL-USRD reports that relocation will require less than one year.

Q16. In analyzing this option, did the Department explore the possibility of losing a large contingency of the expertise associated with this facility because some personnel at NRL-USRD will not make the move to Newport? If so, how does the Navy intend to accommodate for the lack of qualified and experienced personnel? Is the loss of this experience of any value to the Navy? Was this potential loss factored into any of the discussions regarding the less than modest savings generated by this relocation?

A16. The Navy recognizes that personnel possessing acoustic expertise and skills are resident at a number of Naval facilities other than NRL-USRD. The Navy will rely on personnel at these other Naval activities for this expertise if the personnel

associated with acoustics at NRL-USRD decide not to move as invited. Considerations of skill loss and subsequent skill building was attendant in all closures affected by the Navy.

Q17. It is my understanding that the Department of the Navy (DoN) has relied upon the warm water calibration data of NRL-USRD for the last fifty years. The water temperatures of northern test facilities obviously vary from those found in Orlando. With a move to Newport, DoN will no longer be able to compare fifty years of data to present underwater sound measurements. How will this effect the reliability and confidence of measurements and calibrations in the future? Please elaborate on the extent of this loss and its long term impact on sonar transducers currently being utilized by the fleet.

A17. The Navy will rely on all historic data including that available at other Naval activities and validate through correlation.

Q18. After reviewing the materials available in the BRAC Library, I was unable to locate any information regarding the receiving facilities at NUWCDIVNPT. Please describe the renovation and/or construction needs of existing or new facilities located at NUWCDIVNPT necessary to accommodate the relocation of NRL-USRD and NUWCDETNL. In answering this question, please provide the costs associated with each renovation or construction project.

A18. Due to continued down-sizing ongoing at NUWC Newport and elsewhere in the Navy, adequate space already exists at NUWC Newport, and no new construction or renovation will be required to accommodate the relocation of functions and personnel from NRL-USRD. A foundation already exists at NUWC Newport on which to place the ATF test tank.

Q19. Will the relocation of 55 employees from NRL-USRD, sonar standard transducers, and calibration equipment increase the costs of operation (maintenance and utilities) in Newport? If so, please specify why.

A19. The COBRA algorithms estimated an increase of BOS costs of $409K at NUWC Newport based on the numbers of positions transferring into NUWC Newport from NRL-USRD. This cost is reflected in the net BOS savings of $.3M discussed in answer 4.

Q20. It is my understanding that the Anechoic Tank Facility II (ATFII) will be relocated to NUWC under the BRAC 95 scenario; however, the cost data included in the COBRA scenario development does not include any MILCON at NUWC. Where will the DoN relocate ATFII, in an existing facility? Please identify any of the renovation or rehabilitation costs associated with the building that will house ATFII in Newport. In addition, please provide the actual estimates for relocating the tank itself to Newport.

A20. The certified scenario development data call response from NRL-USRD reported a cost of $1.853M to break down and transport the ATF II and a cost of $3.517M to reassemble the AFT II at NUWC Newport, for a total cost of $5.370M. Concrete foundations are already in place at NUWC Newport.

Q21. COBRA data provided to my office indicates a recurring savings of civilian salaries of $1,231,000 in 1997 and $2,461,000 in successive years. Please explain how these savings are generated. Do they result from savings associated with the 45 positions eliminated in the scenario? How is a savings generated to DoD if these employee are DBOF employees? Why wouldn't these savings occur whether NRL-USRD is moved or stays in Orlando?

A21. The salary savings shown in this scenario are based on the 45 civilian positions eliminated. The COBRA algorithms estimate a half a year's savings in the year the positions are eliminated and full savings for successive years. Salary savings are obtained by eliminating jobs. This reduction in jobs will result in savings to the Department regardless of how the closing activity is funded, e.g., DBOF, O&M, RDT&E, etc. Salary savings are obtained by shutting down facilities and eliminating operations at NRL-USRD Orlando. These savings would not be achieved if NRL-USRD Orlando remains open.

Q22. It appears that the Navy is attempting to consolidate laboratory missions to create a more efficient operation. Towards that end, it certainly makes a great deal of sense to incorporate the NRL-USRD under the NUWC. However, it would appear to make equal sense, given some of the unique capabilities of NRL-USRD, for the DoN to consider the possibility of consolidating all of NUWC's transducer calibration and experimentation personnel in NRL-USRD. Was this option considered? If not, why not? If so, please provide a complete summary of data and deliberations engaged in during your review of this scenario.

A22. This option was not considered due to the Navy's goal to consolidate similar functions and reduce the total number of sites.

Q23. It is my understanding that the decision to close NUWC, New London means the relocation of seven facilities to NUWCDIVNPT. Of these activities, (1) Submarine & Surface Ship Sonar Transducer RDT&E Complex; (2) Submarine Sonar Development & Evaluation Complex; (3) Underwater Mobile and Deployed Sonar Arrays RDT&E Complex; (4) Turbulent Boundary Layer Hydroacoustic Experimental Quiet Water Tunnel Facility; (5) Tactical Sonar Measurements and Analysis Facility; (6) Acoustic Array Experimental Measurement Facility; and (7) Sonar Array Microelectronics Development Facility, please list the space and personnel requirements for each. Furthermore, please indicate

which activities, if any, perform transducer calibration and experimentation.

A23. All personnel, equipment, and facilities relocating to NUWC Newport from NUWC New London will be accommodated by refurbishment of existing NUWC and NETC Newport facilities. None of the facilities relocating from NUWC New London were specifically designed to perform transducer calibration, however they do perform transducer research and experimentation. The calibration functions will be performed among these facilities, the ATF, and existing ranges.

NRL-USRD CONTRACT OBLIGATIONS /1

CONTRACT NUMBER	VENDOR NAME	FY92	FY93	FY94	FY95 /2
N0001488C2234	ACTRAN SYSTEMS INC	770,550	685,330		
N0001492C2244	ATLANTA SIGNAL PROCESSORS	31,743			
N0001489D2010/0019	BRANTNER & ASSOCIATES	1,736			
N0001489D2010/0020	BRANTNER & ASSOCIATES		2,550		
N0001489D2010/0024	BRANTNER & ASSOCIATES			3,500	
N0001489D2010/0025	BRANTNER & ASSOCIATES			5,144	
N0001491C2148	DAVID H. TRIVETT, INC	50,750			
N0001493C6038	DWS INTERNATIONAL INC		455,254		
N0001493C6035	EMPIRE MAGNETICS INC		60,000		
N6817194C9021	FUGRO-UDI LTD			28,033	
N0001489C2140	GLOBAL ASSOCIATES, LTD	321,752			
N0001490C6010	GRUMMAN DATA SYSTEM CORP		2,000		
N0001489C2262	HYDROACOUSTICS INC		757,000		
N0001494C6012	HYDROSCIENCE INC			654,294	
N0001492C2184	NETWORK FIELD SERVICES, INC	28,950			
N0001493C2146	NIMROD ENGINEERING		268,038	178,000	
N0001492J4025	NY STATE COLLEGE OF CERAMIC	61,976			
N0001493C2021	TEXAS RESEARCH INST		720,446	251,058	25,000
N0001489C2431	TEXAS RESEARCH INTNL	419,092			
N0001492C2203	THE BECHDON COMPANY INC	44,800			
N0001490J4077	THE PENNSYLVANIA STATE UNV	99,588			
N0001493C0231	THE PENNSYLVANIA STATE UNV		55,000		
N0001492C2230	TIOGA PIPE SUPPLY CO, INC	128,679			
N0001493D6032/0001	TRI TESSCO INC		457,048	156,786	48,400
N0001493D6032/0002	TRI TESSCO INC			41,036	
N0001488C2478	TRI TESSCO INC	228,485			
N0001489C2177	TRI TESSCO INC	180,290	80,107		
N0001493C2085	TRI TESSCO INC		379,480	93,400	36,000
N0001491C2132	VECTOR RESEARCH COMPANY	32,000			
		2,400,393	3,902,253	1,411,251	109,400

/1 Direct Program contracts
/2 FY1995 includes actual data through April 1, 1995.

Attachment A

NRL-USRD ANNUAL OPERATING BUDGET
Dollars in Thousands

	FY 1992	FY 1993	FY 1994	FY 1995
Civilian Payroll	$5,746	$6,386	$5,976	$5,373
Real Property Maintenance and Repair	644	681	431	374
Utilities	184	200	205	250
Leases	34	34	34	31
Contracts and Other	6,972	8,062	3,842	3,975
TOTAL	$13,579	$15,363	$10,488	$10,003
The operating budget includes costs of contract employees, as follows:	$3,160	$2,913	$1,290	$561

Contracts and Other includes contracts, materials, travel, equipment, telephones, printing, library service transportation, tuition, and technical information support services.

Attachment B

Document Separator

DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

APR 18 1995

The Honorable Bill McCollum
House of Representatives
Washington, D.C. 20515

Dear Mr. McCollum:

Thank you for your letter of March 28, 1995, to the Secretary of the Navy, concerning the Naval Research Laboratory Underwater Sound Reference Detachment (NRL-USRD), Orlando, Florida. I am responding for Secretary Dalton.

Responses to the 23 questions you asked regarding the Department of the Navy's recommendation to disestablish the NRL-USRD, are attached. They are based on certified information in our 1995 Base Structure Data Base: that which we forwarded originally to the 1995 Defense Base Closure and Realignment Commission, and additional information, also provided to the Commission, that we subsequently obtained from the reply to a data call we issued specifically to enable our response to your query.

I trust this information satisfactorily addresses your concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

ROBERT B. PIRIE, JR.

Attachment

Suzanne McKenna → W/Sen. Glenn
Brooke Hill
202 224-7987

REPRESENTATIVE BILL MCCOLLUM'S QUESTIONS CONCERNING
THE NAVAL RESEARCH LABORATORY,
UNDERWATER SOUND REFERENCE DETACHMENT, ORLANDO, FLORIDA

Q1. In the Navy's justification for the closure of NRL-USRD, the Department states that "specific reductions for technical centers are difficult to determine, because these activities are supported through customer orders." Because specific reductions in "technical centers" like the NRL-USRD are hard to determine and due to the fact that the overall budget process is dependent upon customer orders, why would any expenditure of funds on behalf of the Department to relocate the activity be a wise, or cost saving move?

A1. Because the overhead/fixed cost to maintain a facility is virtually independent of the number of people working in it, relocation of the calibration and standards function with associated personnel, equipment and support from NRL-USRD to NUWC Newport will not significantly increase overhead/fixed costs at Newport, but will eliminate fixed costs to operate NRL-USRD, resulting in substantial savings to the DoD.

Q2. It is my understanding that the laboratory located in Orlando is run similarly to the way a business might operate in that salaries and the demand for additional staffing levels are based upon consumer purchases. Is this the case with respect to NRL-USRD?

A2. NRL-USRD is a DBOF-funded activity and as such receives very little institutional funding. Operational funding is dependent upon program/customer dollars.

Q3. If the answer to question two above is in the affirmative, please explain why any disruption of productivity or relocation would be of benefit to the Department of Defense. If the market dictated a reduction in activity, is it not incumbent upon the USRD to make adjustments to personnel based upon market demand?

A3. The closure of NRL-USRD benefits the DoD in that it reduces overhead/fixed costs. Certified data provided by NRL-USRD Orlando reported annual receipt of DBOF overhead funding in the amount of $1.325M. As personnel and functions relocating to NUWC Newport will occupy space already existing at Newport, and for reasons stated in response to question 1, costs of this amount would not be incurred by Newport. Therefore, savings are achieved by the Department.

Q4. The Navy cites an annual savings of $2.8 million. It is my understanding that the savings noted above are generated from the loss of contract employees such as security personnel and utilities. Please explain the source for these savings and

indicate why the costs for utilities, contract personnel and other costs associated with the $2.8 million would not be a recurring expense at the gaining facility.

A4. The annual savings of $2.8M in the NRL-USRD Orlando scenario include $2.5M civilian salary savings for the 45 civilian positions eliminated as a result of this closure. It also shows net non-payroll savings for base operations support of $.3M. These savings were calculated using the Cost of Base Closure and Realignment Actions (COBRA) algorithms which the DoD mandated for use by the Military Departments.

Q5. According to notations found in the "Scenario Development Data Call," there is reference to restoration of the facility to its natural state - both in Leesburg and in Orlando. However, I was unable to find any reference to the estimated $3 million to restore the main site to its natural condition. Is this expenditure included in your analysis? If so, why was it deleted from the COBRA run that was made available to my office. How does the inclusion of this expenditure impact the COBRA results? Please provide a corrected COBRA analysis.

A5. The certified scenario development data call response from NRL-USRD reported an "Other One-Time Unique Cost" of $1.046M, which resulted from provisions of the Leesburg site lease requiring that the property be returned to its "original pristine condition." This amount was included in COBRA analysis.

Q6. Please provide me with a listing of DoD's direct annual appropriations to NRL-USRD for FY-92 - FY-95. In addition, please provide a listing of DoN's appropriations to NRL-USRD for those same years. In addition, please provide me with the total "reimbursable funding" received by the facility for each of the years stated above. Finally, please provide a list of the "contracts" that the DoN sponsored through "work requests" with NRL-USRD for the same period of time.

A6. There are no direct appropriations applicable to NRL-USRD. Funding received by NRL-USRD for FY 1992 - FY 1995 is provided below:

	Reimbursable ($000)	Direct Cite ($000)	Total ($000)
FY 1992	13,895.8	270.0	14,165.8
FY 1993	14,266.8	1,750.3	16,017.1
FY 1994	8,279.9	842.0	9,121.9
FY 1995	6,037.7	0.0	6,037.7

Direct program contracts (all sources) are listed on attachment A

Q7. Please supply me with the annual operating budgeting of NRL-USRD for FY-92 - FY-95 in detail, including separate line items for the following items: payroll, utilities, real property maintenance, leases, and contract employees.

A7. Annual operating budget information for NRL-USRD for FY 1992 - FY 1995 is provided on attachment B.

Q8. It is my understanding that DoN uses the anechoic tank facility to test critical Navy underwater acoustic devices and related materials for the ADCAP torpedo sonar and acoustic hull treatments for the new attack submarine. What will DoN do to replace the anechoic tank facility? At what total cost? How much down time is required to accommodate this relocation?

A8. The Anechoic Tank Facility II (ATF II) will be relocated to NUWC Newport. The certified scenario development data call response from NRL-USRD reported a cost of $1.853M to break down and transport the ATF II and a cost of $3.517M to reassemble the AFT II at NUWC Newport, for a total cost of $5.370M. Certified data indicates this relocation will require less than one year to accomplish. Other tanks at NRL-USRD will be excessed and tanks existing at other sites will be used.

Q9. It is my understanding that DoN uses its low-frequency facility in Orlando to test critical Navy underwater acoustic devices and related materials for the SOSUS hydrophones and acoustic hull treatments for the new attack submarine. What will DoN do the replace the low frequency facility? At what total cost? How much down time is required to accommodate this relocation?

A9. The low-frequency facility at NRL-USRD will not be relocated to NUWC Newport. The Navy will utilize existing low-frequency facilities at other Naval activities/ranges to satisfy mission/customer requirements of this nature.

Q10. Does the gaining activity, NUWCDIVNPT, plan to retain the lake facility at Leesburg? How will USRD perform the testing now conducted at this location without Leesburg? Please elaborate and include any additional costs associated with conducting these test at a different location.

A10. The Leesburg facility will not be retained. This decision is consistent with the Navy's goal to continue down-scoping of acoustic testing to a few, full-spectrum activities. The Navy will utilize existing facilities at other Naval activities to accomplish testing similar to that conducted at the Leesburg site.

Q11. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "level of forces and of the budget are reliable indicators of sharp declines in technical center workload through FY-2001, which leads to a recognition of excess capacity in these activities." Please provide the excess capacity analysis that was performed regarding the NRL-USRD that led to the conclusion that there was excess capacity in the category of work performed at this center.

A11. The Department of Navy calculated excess technical capacity at an aggregate level as explained in the report and deliberative minutes. In the activities involved with technical efforts, the Navy has excess capacity of 15237 workyears by FY 1997 and 26587 workyears by FY2001. Excess capacity was reduced by the consolidation of necessary functions, equipment and personnel to fewer number of sites.

Q12. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "disestablishment of this laboratory reduces excess capacity by eliminating unnecessarily redundant capability..." Please indicate the activities, measurements, testing, evaluation, calibrations and standards functions that are concurrently performed at the NRL-USRD that is being concurrently preformed at any other facility and please provide the name of each such facility.

A12. Functions such as measurement, testing, evaluation, and calibration and standards of acoustic transducers and materials are also performed at NSWC Carderock, MD; NUWC Keyport, WA; NUWC Newport, RI; NSWC Crane, IN; NSWC Panama City, FL; and NCCOSC, San Diego, CA. Although there is little direct duplication among all of these sites, appropriate skills, disciplines and equipment exists to assume additional workload and functions. Where specific equipment is not available at a proposed receiving site, appropriate equipment is moved.

Q13. It is my understanding that NRL-USRD is the only facility of its nature that is located in a southern, warm climate. Is this correct? If so, please indicate how testing, evaluations, calibrations, and standards functions performed in this environment can be considered "redundant?"

A13. The Navy also operates ranges and facilities in the Bahamas and along the Gulf Coast and in other locations. As noted in A-12, there are other facilities where similar work is being or can be performed. The Navy will utilize these and other facilities to continue necessary functions.

Q14. Please provide me the historical reasons for why the Navy established the NRL-USRD in Orlando in the 1940's.

A14. The Underwater Sound Reference Laboratory (USRL) was established in 1941. At that time, in the infancy of underwater acoustics, there was a need for an organized program for developing standard hydrophonic instruments and methods for making precision measurements on underwater acoustical devices. Toward fulfilling this need, a contract between the Navy's Office of Scientific Research and Development (now the Office of Naval Research) and the Western Electric Company was signed for the establishment of USRL, with experimental work to be performed by the Bell Telephone Laboratories.

Lake Gem Mary, one mile South of Orlando, Florida, was selected as the site because of its nearly circular shoreline and roughly conical bottom. Furthermore, the climate offered assurance that the water would be free of ice the year round. In addition, a small lake was considered more suitable, at that time, than a stream or a larger body of water, because it would have less interference from waves, tides, and boat traffic.

Q15. It is my understanding that the NRL-USRD is the Navy's institution for standardizing underwater acoustic measurements and that USRD provides a link in the traceability of underwater acoustic measurements to the National Institute of Standards and Technology (NIST). How will the relocation of this facility and the inevitable loss of expertise, interruption of testing, and reestablishment of facilities in NUCWDIVNPT affect this essential provided by USRD? What is the estimated total time of interruption of services that are associated with this relocation?

A15. Continuing with the DoN thrust of previous consolidations, NUWC Newport will become the primary source for standardizing underwater acoustic measurements. Total time of interruption of services associated with relocation to NUWC Newport is an implementation issue. However, certified data from NRL-USRD reports that relocation will require less than one year.

Q16. In analyzing this option, did the Department explore the possibility of losing a large contingency of the expertise associated with this facility because some personnel at NRL-USRD will not make the move to Newport? If so, how does the Navy intend to accommodate for the lack of qualified and experienced personnel? Is the loss of this experience of any value to the Navy? Was this potential loss factored into any of the discussions regarding the less than modest savings generated by this relocation?

A16. The Navy recognizes that personnel possessing acoustic expertise and skills are resident at a number of Naval facilities other than NRL-USRD. The Navy will rely on personnel at these other Naval activities for this expertise if the personnel

associated with acoustics at NRL-USRD decide not to move as invited. Considerations of skill loss and subsequent skill building was attendant in all closures affected by the Navy.

Q17. It is my understanding that the Department of the Navy (DoN) has relied upon the warm water calibration data of NRL-USRD for the last fifty years. The water temperatures of northern test facilities obviously vary from those found in Orlando. With a move to Newport, DoN will no longer be able to compare fifty years of data to present underwater sound measurements. How will this effect the reliability and confidence of measurements and calibrations in the future? Please elaborate on the extent of this loss and its long term impact on sonar transducers currently being utilized by the fleet.

A17. The Navy will rely on all historic data including that available at other Naval activities and validate through correlation.

Q18. After reviewing the materials available in the BRAC Library, I was unable to locate any information regarding the receiving facilities at NUWCDIVNPT. Please describe the renovation and/or construction needs of existing or new facilities located at NUWCDIVNPT necessary to accommodate the relocation of NRL-USRD and NUWCDETNL. In answering this question, please provide the costs associated with each renovation or construction project.

A18. Due to continued down-sizing ongoing at NUWC Newport and elsewhere in the Navy, adequate space already exists at NUWC Newport, and no new construction or renovation will be required to accommodate the relocation of functions and personnel from NRL-USRD. A foundation already exists at NUWC Newport on which to place the ATF test tank.

Q19. Will the relocation of 55 employees from NRL-USRD, sonar standard transducers, and calibration equipment increase the costs of operation (maintenance and utilities) in Newport? If so, please specify why.

A19. The COBRA algorithms estimated an increase of BOS costs of $409K at NUWC Newport based on the numbers of positions transferring into NUWC Newport from NRL-USRD. This cost is reflected in the net BOS savings of $.3M discussed in answer 4.

Q20. It is my understanding that the Anechoic Tank Facility II (ATFII) will be relocated to NUWC under the BRAC 95 scenario; however, the cost data included in the COBRA scenario development does not include any MILCON at NUWC. Where will the DoN relocate ATFII, in an existing facility? Please identify any of the renovation or rehabilitation costs associated with the building that will house ATFII in Newport. In addition, please provide the actual estimates for relocating the tank itself to Newport.

A20. The certified scenario development data call response from NRL-USRD reported a cost of $1.853M to break down and transport the ATF II and a cost of $3.517M to reassemble the AFT II at NUWC Newport, for a total cost of $5.370M. Concrete foundations are already in place at NUWC Newport.

Q21. COBRA data provided to my office indicates a recurring savings of civilian salaries of $1,231,000 in 1997 and $2,461,000 in successive years. Please explain how these savings are generated. Do they result from savings associated with the 45 positions eliminated in the scenario? How is a savings generated to DoD if these employee are DBOF employees? Why wouldn't these savings occur whether NRL-USRD is moved or stays in Orlando?

A21. The salary savings shown in this scenario are based on the 45 civilian positions eliminated. The COBRA algorithms estimate a half a year's savings in the year the positions are eliminated and full savings for successive years. Salary savings are obtained by eliminating jobs. This reduction in jobs will result in savings to the Department regardless of how the closing activity is funded, e.g., DBOF, O&M, RDT&E, etc. Salary savings are obtained by shutting down facilities and eliminating operations at NRL-USRD Orlando. These savings would not be achieved if NRL-USRD Orlando remains open.

Q22. It appears that the Navy is attempting to consolidate laboratory missions to create a more efficient operation. Towards that end, it certainly makes a great deal of sense to incorporate the NRL-USRD under the NUWC. However, it would appear to make equal sense, given some of the unique capabilities of NRL-USRD, for the DoN to consider the possibility of consolidating all of NUWC's transducer calibration and experimentation personnel in NRL-USRD. Was this option considered? If not, why not? If so, please provide a complete summary of data and deliberations engaged in during your review of this scenario.

A22. This option was not considered due to the Navy's goal to consolidate similar functions and reduce the total number of sites.

Q23. It is my understanding that the decision to close NUWC, New London means the relocation of seven facilities to NUWCDIVNPT. Of these activities, (1) Submarine & Surface Ship Sonar Transducer RDT&E Complex; (2) Submarine Sonar Development & Evaluation Complex; (3) Underwater Mobile and Deployed Sonar Arrays RDT&E Complex; (4) Turbulent Boundary Layer Hydroacoustic Experimental Quiet Water Tunnel Facility; (5) Tactical Sonar Measurements and Analysis Facility; (6) Acoustic Array Experimental Measurement Facility; and (7) Sonar Array Microelectronics Development Facility, please list the space and personnel requirements for each. Furthermore, please indicate

which activities, if any, perform transducer calibration and experimentation.

A23. All personnel, equipment, and facilities relocating to NUWC Newport from NUWC New London will be accommodated by refurbishment of existing NUWC and NETC Newport facilities. None of the facilities relocating from NUWC New London were specifically designed to perform transducer calibration, however they do perform transducer research and experimentation. The calibration functions will be performed among these facilities, the ATF, and existing ranges.

SENT BY:Xerox Telecopier 7021 ; 4-11-95 ; 10:47 ; 4047728→ 703 696 5383;# 5

NRL-USRD CONTRACT OBLIGATIONS /1

CONTRACT NUMBER	VENDOR NAME	FY92	FY93	FY94	FY95 /2
N0001488C2234	ACTRAN SYSTEMS INC	770,550	685,330		
N0001492C2244	ATLANTA SIGNAL PROCESSORS	31,743			
N0001489D2010/0019	BRANTNER & ASSOCIATES	1,738			
N0001489D2010/0020	BRANTNER & ASSOCIATES		2,550		
N0001489D2010/0024	BRANTNER & ASSOCIATES			3,500	
N0001489D2010/0025	BRANTNER & ASSOCIATES			5,144	
N0001491C2148	DAVID H. TRIVETT, INC	50,750			
N0001493C6038	DWS INTERNATIONAL INC		455,254		
N0001493C6035	EMPIRE MAGNETICS INC		60,000		
N6817194C9021	FUGRO-UDI LTD			28,033	
N0001489C2140	GLOBAL ASSOCIATES, LTD	321,752			
N0001490C6010	GRUMMAN DATA SYSTEM CORP		2,000		
N0001489C2262	HYDROACOUSTICS INC		757,000		
N0001494C6012	HYDROSCIENCE INC			654,294	
N0001492C2184	NETWORK FIELD SERVICES, INC	28,950			
N0001493C2146	NIMROD ENGINEERING		268,038	178,000	
N0001492J4025	NY STATE COLLEGE OF CERAMIC	61,976			
N0001493C2021	TEXAS RESEARCH INST		720,446	251,058	25,000
N0001489C2431	TEXAS RESEARCH INTNL	419,092			
N0001492C2203	THE BECHDON COMPANY INC	44,800			
N0001490J4077	THE PENNSYLVANIA STATE UNV	99,588			
N0001493C0231	THE PENNSYLVANIA STATE UNV		55,000		
N0001492C2230	TIOGA PIPE SUPPLY CO, INC	128,679			
N0001493D6032/0001	TRI TESSCO INC		457,048	156,786	48,400
N0001493D6032/0002	TRI TESSCO INC			41,036	
N0001488C2478	TRI TESSCO INC	228,485			
N0001489C2177	TRI TESSCO INC	180,290	80,107		
N0001493C2085	TRI TESSCO INC		379,480	93,400	36,000
N0001491C2132	VECTOR RESEARCH COMPANY	32,000			
		2,400,393	3,902,253	1,411,251	109,400

/1 Direct Program contracts
/2 FY1995 includes actual data through April 1, 1995.

Attachment A

NRL-USRD ANNUAL OPERATING BUDGET
Dollars in Thousands

	FY 1992	FY 1993	FY 1994	FY 1995
Civilian Payroll	$5,746	$6,386	$5,976	$5,373
Real Property Maintenance and Repair	644	681	431	374
Utilities	184	200	205	250
Leases	34	34	34	31
Contracts and Other	6,972	8,062	3,842	3,975
TOTAL	$13,579	$15,363	$10,488	$10,003
The operating budget includes costs of contract employees, as follows:	$3,160	$2,913	$1,290	$561

Contracts and Other includes contracts, materials, travel, equipment, telephones, printing, library service transportation, tuition, and technical information support services.

Attachment B

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

Congress of the United States
House of Representatives
Washington, DC 20515-0908

2266 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-0908
(202) 225-2176

DISTRICT OFFICE:
SUITE 650
605 EAST ROBINSON STREET
ORLANDO, FL 32801
(407) 872-1962
TOLL FREE FROM KISSIMMEE
931-3422

March 28, 1995

The Honorable John Dalton
Secretary of the Navy
Department of the Navy
1000 Navy Pentagon
Washington, D.C. 20350-1000

RE: BRAC 95 Actions - Naval Research Laboratory, Underwater Sound Reference Detachment, Orlando, Florida

VIA FAX TRANSMISSION TO (703) 614-3477

Dear Mr. Secretary:

After reviewing the materials made available to my office regarding the decision to disestablish the Naval Research Laboratory, Underwater Sound Reference Detachment (NRL-USRD) and relocate the calibration and standards function to the Naval Undersea Warfare Center, Newport Division, Newport (NUWC-DIVNPT), there remain a number of questions which I need answered in order to adequately review this recommendation and make necessary comments and presentations to the Defense Base Closure and Realignment Commission. Therefore, I am writing to request your assistance in providing answers to the questions contained in this letter. Furthermore, due to the short time frame of the base closure process, I respectfully request your assistance in furnishing the answers and information to my inquiries no later than April 15, 1995.

Please provide the answers to the following questions:

1. In the Navy's justification for the closure of NRL-USRD, the Department states that "specific reductions for technical centers are difficult to determine, because these activities are supported through customer orders." Because specific reductions in "technical centers" like the NRL-USRD are hard to determine and due to the fact that the overall budget process is dependent upon customer orders, why would any expenditure of funds on behalf of the Department to relocate the activity be a wise, or cost saving move?

2. It is my understanding that the laboratory located in Orlando is run similarly to the way a business might operate in that salaries and the demand for additional staffing levels are based upon consumer purchases. Is this the case with respect to NRL-USRD?

3. If the answer to question two above is in the affirmative, please explain why any disruption of productivity or relocation would be of benefit to the Department of Defense. If the market dictated a reduction in activity, is it not incumbent upon the USRD to make adjustments to personnel based upon market demand?

4. The Navy cites an annual savings of $2.8 million. It is my understanding that the savings noted above are generated from the loss of contract employees such as security personnel and utilities. Please explain the source for these savings and indicate why the costs for utilities, contract personnel and other costs associated with the $2.8 million would not be a recurring expense at the gaining facility.

5. According to notations found in the "Scenarios Development Data Call," there is reference to restoration of the facility to its natural state - both in Leesburg and in Orlando. However, I was unable to find any reference to the estimated $3 million to restore the main site to its natural condition. Is this expenditure included in your analysis? If so, why was it deleted from the COBRA run that was made available to my office. How does the inclusion of this expenditure impact the COBRA results? Please provide a corrected COBRA analysis.

6. Please provide me with a listing of DoD's direct annual appropriations to NRL-USRD for FY 1992 - FY 1995. In addition, please provide a listing of DoN's appropriations to NRL-USRD for those same years. In addition, please provide me with the total "reimbursable funding" received by the facility for each of the years stated above. Finally, please provide a list of the "contracts" that the DoN sponsored through "work requests" with NRL-USRD for the same period of time.

7. Please supply me with the annual operating budget of NRL-USRD for FY 1992 - FY 1995 in detail, including separate line items for the following items: payroll, utilities, real property maintenance, leases, and contract employees.

8. It is my understanding that DoN uses the anechoic tank facility to test critical Navy underwater acoustic devices and related materials for the ADCAP torpedo sonar and acoustic hull treatments for the new attack submarine. What will DoN do to replace the anechoic tank facility? At what total cost? How much down time is required to accommodate this relocation?

9. It is my understanding that DoN uses its low-frequency facility in Orlando to test critical Navy underwater acoustic devices and related materials for the SOSUS hydrophones and acoustic hull treatments for the new attack submarine. What will DoN do to replace the low frequency facility? At what total cost? How much down time is required to accommodate this relocation?

10. Does the gaining activity, NUWCDIVNPT, plan to retain the lake facility at Leesburg? How will USRD perform the testing now conducted at this location without Leesburg? Please elaborate and include any additional costs associated with conducting these tests at a different location.

11. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "level of forces and of the budget are reliable indicators of sharp declines in technical center workload through FY

11. (continued) 2001, which leads to a recognition of excess capacity in these activities." Please provide the excess capacity analysis that was performed regarding the NRL-USRD that led to the conclusion that there was excess capacity in the category of work performed at this center.

12. In the Department's recommendations for closure, the justification information for closure of this facility indicates that the "disestablishment of this laboratory reduces excess capacity by eliminating unnecessarily redundant capability...." Please indicate the activities, measurements, testing, evaluations, calibrations and standards functions that are concurrently performed at the NRL-USRD and at other facilities. Please list the activity, measurement, test, evaluation, calibration or standards function NRL-USRD that is being concurrently performed at any other facility and please provide the name of each such facility.

13. It is my understanding that NRL-USRD is the only facility of its nature that is located in a southern, warm climate. Is this correct? If so, please indicate how testing, evaluations, calibrations and standards functions performed in this environment can be considered "redundant?"

14. Please provide me the historical reasons for why the Navy established the NRL-USRD in Orlando in the 1940's.

15. It is my understanding that the NRL-USRD is the Navy's institution for standardizing underwater acoustic measurements and that USRD provides a link in the traceability of underwater acoustic measurements to the National Institute of Standards and Technology (NIST). How will the relocation of this facility and the inevitable loss of expertise, interruption of testing, and reestablishment of facilities in NUWCDIVNPT affect this essential function provided by USRD? What is the estimated total time of interruption of services that are associated with this relocation?

16. In analyzing this option, did the Department explore the possibility of losing a large contingency of the expertise associated with this facility because some personnel at NRL-USRD will not make the move to Newport? If so, how does the Navy intend to accommodate for the lack of qualified and experienced personnel? Is the loss of this experience of any value to the Navy? Was this potential loss factored into any of the discussions regarding the less than modest savings generated by this relocation?

17. It is my understanding that the Department of the Navy (DoN) has relied upon the warm water calibration data of NRL-USRD for the last fifty years. The water temperatures of northern test facilities obviously vary from those found in Orlando. With a move to Newport, DoN will no longer be able to compare fifty years of data to present underwater sound measurements. How will this affect the reliability and confidence of measurements and calibrations in the future? Please elaborate on the extent of this loss and its long term impact on sonar transducers currently being utilized by the fleet.

18. After reviewing the materials available in the BRAC Library, I was unable to locate any information regarding the receiving facilities at NUWCDIVNPT. Please describe the renovation and/or construction needs of existing or new facilities located at NUWCDIVNPT necessary to accommodate the relocation of NRL-USRD and NUWCDETNL. In answering this question, please provide the costs associated with each renovation or construction project.

19. Will the relocation of 55 employees from NRL-USRD, sonar standard transducers, and calibration equipment increase the costs of operation (maintenance and utilities) in Newport? If so, please identify those expenses. If not, please specify why.

20. It is my understanding that the Anechoic Tank Facility II (ATFII) will be relocated to NUWC under the BRAC 95 scenario; however, the cost data included in the COBRA scenario development does not include any MILCON at NUWC. Where will the DoN relocate ATFII, in an existing facility? Please identify any of the renovation or rehabilitation costs associated with the building that will house ATFII in Newport. In addition, please provide the actual estimates for relocating the tank itself to Newport.

21. COBRA data provided to my office indicates a recurring savings of civilian salaries of $1,231,000 in 1997 and $2,461,000 in successive years. Please explain how these savings are generated. Do they result from savings associated with the 45 positions eliminated in the scenario? How is a savings generated to DoD if these employees are DBOF employees? Why wouldn't these savings occur whether NRL-USRD is moved or stays in Orlando?

22. It appears that the Navy is attempting to consolidate laboratory missions to create a more efficient operation. Towards that end, it certainly makes a great deal of sense to incorporate the NRL-USRD under the NUWC. However, it would appear to make equal sense, given some of the unique capabilities of NRL-USRD, for the DoN to consider the possibility of consolidating all of NUWC's transducer calibration and experimentation personnel in NRL-USRD. Was this option considered? If not, why not? If so, please provide a complete summary of data and deliberations engaged in during your review of this scenario.

23. It is my understanding that the decision to close NUWC, New London means the relocation of seven facilities to NUWCDIVNPT. Of these activities, (1) Submarine & Surface Ship Sonar Transducer RDT&E Complex; (2) Submarine Sonar Development & Evaluation Complex; (3) Underwater Mobile and Deployed Sonar Arrays RDT&E Complex; (4) Turbulent Boundary Layer Hydroacoustic Experimental Quiet Water Tunnel Facility; (5) Tactical Sonar Measurements and

23. (continued) Analysis Facility; (6) Acoustic Array Experimental Measurement Facility; and (7) Sonar Array Microelectronics Development Facility, please list the space and personnel requirements for each. Furthermore, please indicate which activities, if any, perform transducer calibration and experimentation.

Your prompt response and attention to these questions will be greatly appreciated.

Sincerely,

BILL McCOLLUM
Member of Congress

BMcC:jma

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950516-15

FROM: RODERICK, DAVID F.	TO: DIXON
TLE: MAYOR	TITLE: CHAIRMAN
GANIZATION: NEWPORT, RI	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: NUWC, NEW LONDON NRLD, ORLANDO	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT
CHAIRMAN DIXON			
STAFF DIRECTOR	✓		
EXECUTIVE DIRECTOR	✓		
GENERAL COUNSEL	✓		
MILITARY EXECUTIVE			
DIR./CONGRESSIONAL LIAISON		(✓)	
DIR./COMMUNICATIONS			
EXECUTIVE SECRETARIAT			
DIRECTOR OF ADMINISTRATION			
CHIEF FINANCIAL OFFICER			
DIRECTOR OF TRAVEL			
DIR./INFORMATION SERVICES			

COMMISSION MEMBERS	FYI	ACTION	INIT
COMMISSIONER CORNELLA	✓		
COMMISSIONER COX	✓		
COMMISSIONER DAVIS	✓		
COMMISSIONER KLING	✓		
COMMISSIONER MONTOYA	✓		
COMMISSIONER ROBLES	✓		
COMMISSIONER STEELE	✓		
REVIEW AND ANALYSIS			
DIRECTOR OF R & A	✓		
ARMY TEAM LEADER			
NAVY TEAM LEADER	✓		
AIR FORCE TEAM LEADER			
INTERAGENCY TEAM LEADER	✓		
CROSS SERVICE TEAM LEADER		X	

TYPE OF ACTION REQUIRED

(✓)	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

SUPPORTING DECISION TO MOVE NUWC, NEW LONDON AND NRLD, ORLANDO TO NEWPORT.

[redacted]: 950518	Routing Date: 950516	Date Originated: 950510	Mail Date:

City of Newport
City Hall - 43 Broadway
Newport, Rhode Island 02840-2798

THE CITY OF NEWPORT, RHODE ISLAND
OFFICE OF THE MAYOR

David F. Roderick, Jr.
Mayor

950516-15

May 10, 1995

Mr. Alan Simpson, Chairman
Defense Base Closure & Realignment Commission
1700 North Moore St., Suite 1425
Arlington, VA 22209

Dear Mr. Simpson:

The City of Newport supports the Department of Defense recommendations to close the Naval Undersea Warfare Center in New London, Ct., and the Naval Research Laboratory Detachment in Orlando. These recommendations are consistent with the Navy's stated desire to consolidate geographically full spectrum laboratories in a manner that simultaneously increases military value, decreases infrastructure and reducing operating costs.

NUWCDIVNPT management have been excellent stewards of taxpayer's money. The fact that Newport is relatively close to New London makes it possible that New London employees could commute from their current residences. Those in New London and Orlando who choose to relocate will find a healthy community, a rich Navy heritage, and a quality of life that is superior.

If there is anything that I can do to convince you of Newport's willingness to share this life, please call me. I will be happy to do anything I can to bring about these consolidations.

Sincerely,

David F. Roderick, Jr.

DFR/bc

Document Separator

Defense Base Closure and Realignment Commission
Executive Correspondence Tracking System (ECTS)

[redacted]3 (I, O)
Originated: 04/05/94 Received: 04/13/94 Referred to: ADMIN Due: 04/28/94 Closed: 07/21/94 CLOSED.
From: CHILES, LAWTON (GOVERNOR at FLORIDA).
To: BEHRMANN, MATTHEW P. (EXECUTIVE DIRECTOR at DBCRC).
Installation(s): , (-).
Contents: HARD COPY INVITATION TO PARTICIPATE IN A PANEL DISCUSSION AT A FLORIDA DEFENSE CONVERSION AND TRANSISTION COMMISSION CONFERENCE ON 3 JUNE 1993, IN ORLANDO, FL.

950228-4 (I, O)
Originated: 02/14/95 Received: 02/28/95 Referred to: Due: / / Closed: 02/28/95 NONE REQ.
From: MICA, JOHN (US REP (FL) at US CONGRESS).
To: YOUNG, C.W. BILL (US REP at US CONGRESS).
Installation(s): , (-).
Contents: REQUESTING HIS ASSISTANCE IN HAVING 1991 BRAC DECISION TO MOVE ARMSTRONG LABORATORY TO ORLANDO CARRIED OUT. (FAX SEN TO CHIP FROM MARV WELLIK OF UNIV OF DAYTON RESEARCH INSTITUTE.)

950505-14 (I, O)
Originated: 05/01/95 Received: 05/05/95 Referred to: LIAISON Due: / / Closed: 05/10/95 COMPLETE.
From: GRADY, ROGER D. (CHAIRMAN at NEWPORT COUNTY CHAMBER).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): NAVAL HOSPITAL, NEWPORT, RI (N-68086).
Contents: SUPPORTING DOD RECOMMENDATION TO CLOSE THE NUWC, NEW LONDON AND THE NRL/USRD ORLANDO AND MOVING THEM TO NUWC NEWPORT

950516-15 (I, O)
Or[redacted]ated: 05/10/95 Received: 05/16/95 Referred to: LIAISON Due: 05/18/95 Closed: / / PENDING.
F[redacted] RODERICK, DAVID F. (MAYOR at NEWPORT, RI).
To: [redacted]IXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): , (-).
Contents: SUPPORTING DECISION TO MOVE NUWC, NEW LONDON AND NRLD, ORLANDO TO NEWPORT.

950516-16 (I, O)
Originated: 05/16/95 Received: 05/16/95 Referred to: LIAISON Due: 05/18/95 Closed: / / PENDING.
From: MCCOLLUM, BILL (REP. (FL.) at U.S. CONGRESS).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): , (-).
Contents: REQUESTING DBCRC CONSIDER ALTERNATIVE PROPOSAL AND LEAVE THE COMMAND IN ORLANDO.

[redacted]

NOTE: 5 Records Selected by VARALLO, Criteria: .

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950516-16

FROM: MCCOLLUM, BILL	TO: DIXON
[redacted]E: REP. (FL)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: NAVY NUCLEAR POWER TRAINING COMMAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT
CHAIRMAN DIXON			
STAFF DIRECTOR	✓		
EXECUTIVE DIRECTOR	✓		
GENERAL COUNSEL	✓		
MILITARY EXECUTIVE			
DIR./CONGRESSIONAL LIAISON		✓	
DIR./COMMUNICATIONS			
[redacted]TIVE SECRETARIAT			
[redacted]			
DIRECTOR OF ADMINISTRATION			
CHIEF FINANCIAL OFFICER			
DIRECTOR OF TRAVEL			
DIR./INFORMATION SERVICES			

COMMISSION MEMBERS	FYI	ACTION	INIT
COMMISSIONER CORNELLA	✓		
COMMISSIONER COX	✓		
COMMISSIONER DAVIS	✓		
COMMISSIONER KLING	✓		
COMMISSIONER MONTOYA	✓		
COMMISSIONER ROBLES	✓		
COMMISSIONER STEELE	✓		
REVIEW AND ANALYSIS			
DIRECTOR OF R & A	✓		
ARMY TEAM LEADER			
NAVY TEAM LEADER		X	
AIR FORCE TEAM LEADER			
INTERAGENCY TEAM LEADER	✓		
CROSS SERVICE TEAM LEADER	✓		

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING DBCRC CONSIDER ALTERNATIVE PROPOSAL AND LEAVE THE COMMAND IN ORLANDO.

Due Date: 950518	Routing Date: 950516	Date Originated: 950516	Mail Date:

BILL McCOLLUM
8TH DISTRICT, FLORIDA

CHAIRMAN
SUBCOMMITTEE ON CRIME

COMMITTEE ON
JUDICIARY

COMMITTEE ON
BANKING AND FINANCIAL SERVICES

SELECT COMMITTEE ON INTELLIGENCE

Congress of the United States
House of Representatives
Washington, DC 20515–0908

2266 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515–0908
(202) 225–2176

DISTRICT OFFICE:
SUITE 650
605 EAST ROBINSON STREET
ORLANDO, FL 32801
(407) 872–1962
TOLL FREE FROM KISSIMMEE
931–3422

May 16, 1995

Mr. Alan J. Dixon, Chairman
The Defense Base Closure and
Realignment Commission
1700 N. Moore Street
Suite 1425
Arlington, Virginia 22209

Dear Mr. Chairman: Alan

Pursuant to our conversation of May 15, 1995, I am writing to request that the commission review the alternative of retaining the Navy Nuclear Power Training Command (NNPTC) at the former Naval Training Center, Orlando, and that you direct your staff to analyze the pros and cons of keeping NNPTC in Orlando rather than redirecting it to Charleston.

As you are well aware, the BRAC 93 round of closures slated the Orlando Navy Training Center for complete closure with NNPTC to be relocated to Navy Submarine Base, New London. During the course of the last two years, the Navy realized that the costs associated with this move were so great that the cost savings were negated. As a result, the Navy, as well as the Department of Defense, recommended that the DBCRC redirect the move from New London to Naval Weapons Station, Charleston.

A few days ago representatives of the Orlando community briefed the DBCRC staff on Cobra analysis of the Orlando alternative prepared by a respected private consulting firm. This analysis shows that cost savings associated with the creation of a cantonment area around what is now known as NNPTC and keeping it in Orlando would generate a net present value of nearly double the amount of the redirect to Charleston. The Navy never did any Cobra runs of keeping NNPTC in Orlando.

DBCRC staff indicated this analysis appeared correct and would be a huge savings over the Charleston redirect, but told the community your authorization was required to go forward with a full staff review and work up of this alternative for presentation to the Commission. If confirmed, as I am confident a staff analysis would do , the cost savings of keeping NNPTC in Orlando as opposed

and the Navy deviated from Criterion 5 in failing to do a Cobra run on the Orlando option and failing to consider the cost implications of such an option in its analysis and recommendation to redirect.

My office will be more than pleased to provide any and all preliminary data we have available to you and to your analysis team.

Your cooperation and assistance in this matter is most appreciated,

Sincerely,

BILL McCOLLUM
Member of Congress