

# Document Separator

# **Naval Medical Research Institute Immunobiology Department**

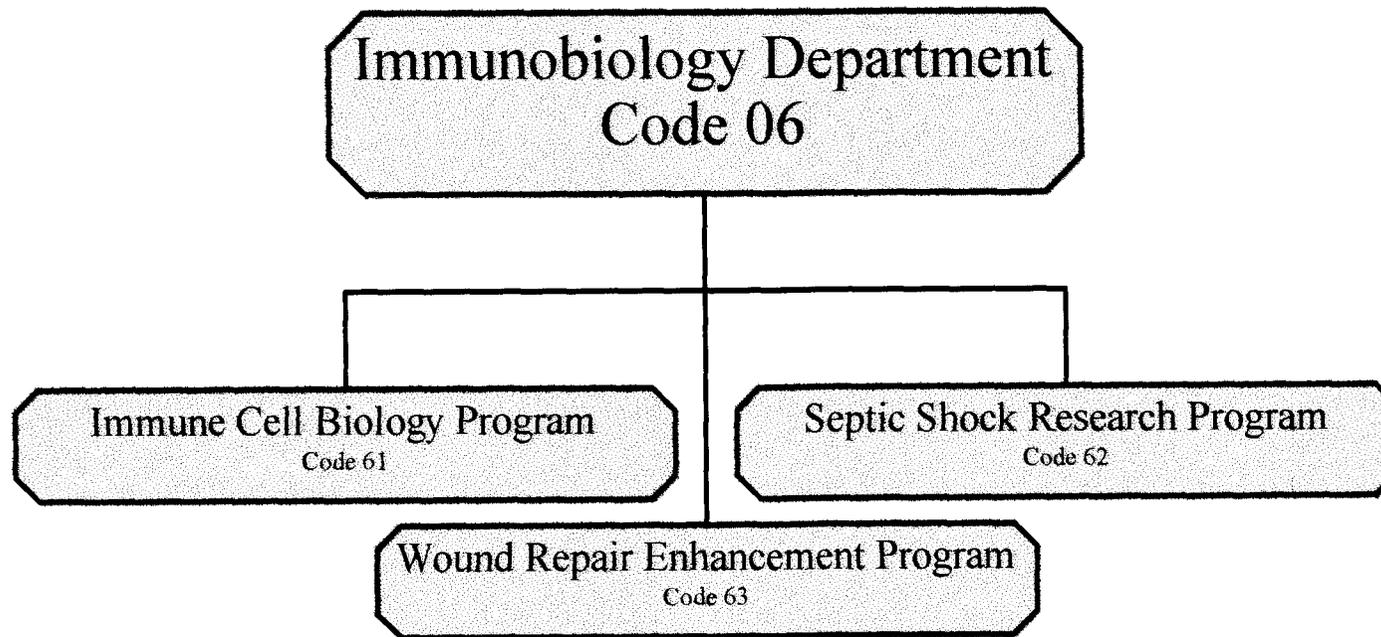
**BRAC Commission Overview  
Naval Research Advisory Committee  
12 May 1995**



**CDR D. Harlan MC USN  
NMRI-06  
301-295-1121**



# NAVAL MEDICAL RESEARCH INSTITUTE



## Immunobiology Department

- Military Casualties in the 1990s
  - Accidental vs intentional
  - Types:
    - Blast and/or projectile injuries
    - Chemical agents
    - Ionizing radiation
    - Infectious agents=> “traditional” and HIV
  - Shortcomings of current treatments

## WOUND REPAIR ENHANCEMENT PROGRAM OVERVIEW FOR VISITORS

In Viet Nam, 44% of the deaths of US soldiers resulted from severe wounds resulting in hemorrhage, by far the largest single category. A study of civilian trauma deaths in San Diego also found that wounds resulting in hemorrhage were a major cause of death. The average response time for a medical corpsman or medic to reach a wounded Marine or soldier is only four minutes and almost 60% of soldiers killed in action are still alive when the corpsman first reaches them. Our challenge in the Wound Repair Enhancement Program has been to find ways to improve healing and the consequences of hemorrhage. It is a daunting task. We are currently dealing with events that occur in the first half-hour and few hours after injury and as our work progresses we will work toward those crucial first minutes after injury. The stress is on developing agents that are field-rugged, compact, and with wide efficacy so that a corpsman making life-or-death decisions can act quickly. We have developed several novel agents that are effective in animal models.

This research addresses ONR mission area strategy section 14 which directs us to develop improved treatment of combat wounds, and to develop technology for augmenting immune responses.

The Wound Repair Enhancement Program (WREP) consists of eleven individuals (seven doctoral level and four technicians) with a remarkable record considering the short time the Program has been constituted. We maintain active collaborations with surgeon-scientists at the Uniformed Services University for the Health Sciences (USUHS), Navy Hospital Bethesda, and Washington Veterans Administration Medical Center. The WREP is part of the Transfusion Medicine effort at NMRI.

We have developed a treatment for a major consequence to hemorrhagic shock, blood bacteremia. Massive hemorrhage results in poor perfusion of the gut and spillage of gut bacteria into the bloodstream, resulting in subsequent morbidity. Although broad-spectrum antibiotics may be useful, there is a need for a more immediate therapy that treats the cause rather than the consequences. Thus, the physician or corpsman in the field must have available a compact and easy-to-use treatment. We have developed an oral treatment with interleukin-6 that provides a **100-fold reduction** in bacterial translocation from the gut to the vital internal organs. An oral treatment would be easy for a corpsman to administer even under adverse conditions. We are currently evaluating dose effectiveness, initiating pre-clinical trials, and developing a prototype field use system.

We have developed two treatments that improve skin healing. Both are subjects for patent applications. These agents separately improve skin wound strength, improve the rate of healing of excision wounds, and improve the wound histology. One is among the most powerful stimulators of cell proliferation ever described. The other is a potent vasoactive agent. The suitability of these agents for clinical use is soon to begin. Both appear to be particularly stable and suitable for the most rugged field use. Our experiments suggest that each is easy to apply and work on advanced application systems suitable for use in the trenches is underway.

We are pursuing gene therapy for improved healing. Our experiments clearly show that skin healing for both incision and excision wounds can be significantly improved by transfection of the wound site with a suitable gene in the form of a plasmid. This holds enormous potential for dealing with impaired healing and may have particular applications in warfare. In addition, this approach may result in reduced care-giver time, as the administration of healing substances would be "self-administered".

We have extensive basic studies on the level and localization of growth factors and cytokines in animal and human wounds. These studies provide the basis for the studies described above that lead to development of wound and hemorrhage treatments.

In addition we have studies on the use of a blood transfusion substitute, liposome encapsulated hemoglobin. In animal studies, we found that administration of liposome encapsulated hemoglobin led to a rise in serum IL-6 levels and modified function in the macrophage and vascular endothelium systems. It is likely that the formulation of liposome encapsulated hemoglobin will need to be modified as a result of these findings in order to make it more useful as a blood substitute.

May 11, 1995

## Navy/ Marine Corps Casualties vs. Civilian-sector Accidents

- Evacuation to Battalion Aid Station may be hampered by battle
- Drugs and modalities must be compact, lightweight, and field-stable
- Agents must be easy to use and effective
- Deal with special battlefield hazards, *eg.* biological warfare agents

## NMRI Research in Wound Healing and Hemorrhage

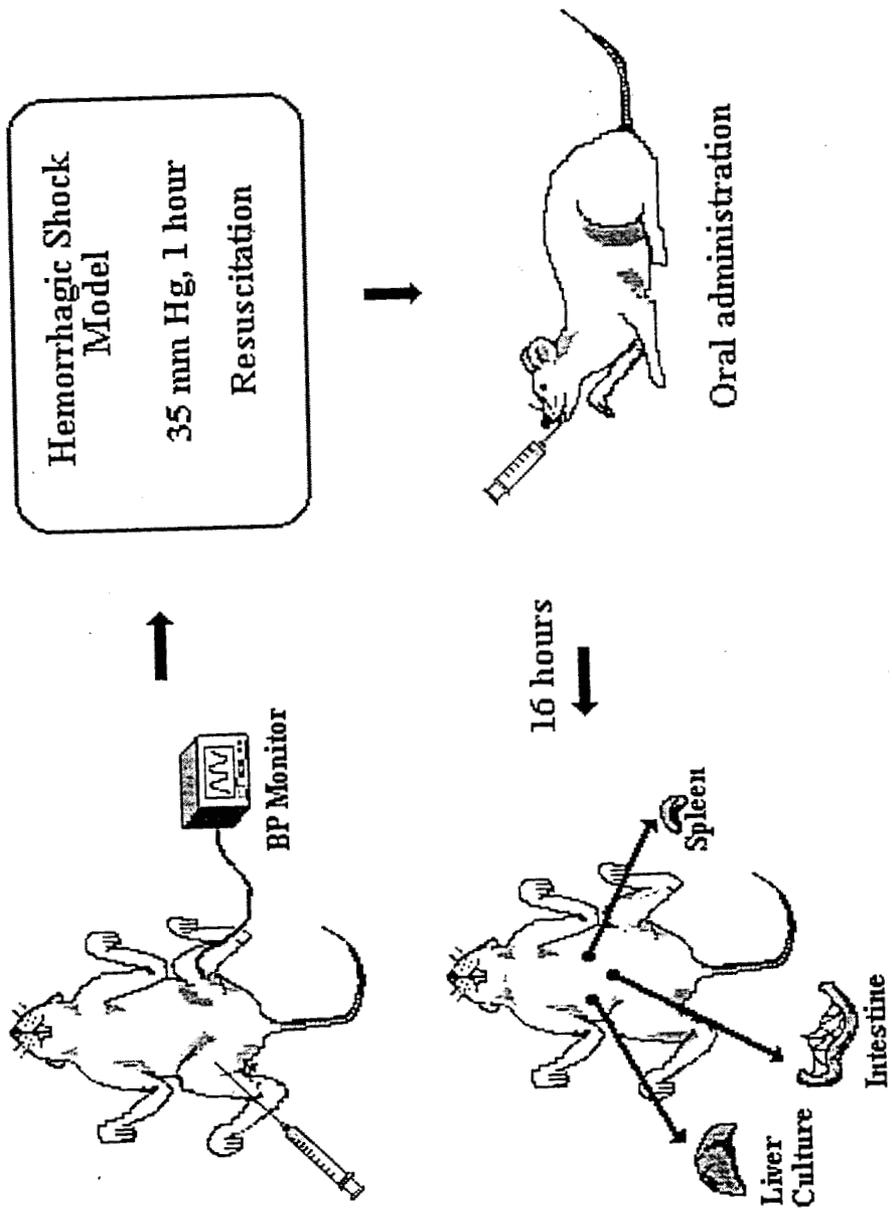
### *New Findings*

- Therapy for post-hemorrhagic shock bacteremia
- Novel topical agents improve healing
- Gene therapy improves healing

### *Methods*

- Animal model experiments--ready to transition to pre-clinical trials

# EXPERIMENTAL DESIGN



Hemorrhagic Shock Model  
35 mm Hg, 1 hour Resuscitation

Oral administration

16 hours

Liver Culture  
Spleen  
Intestine

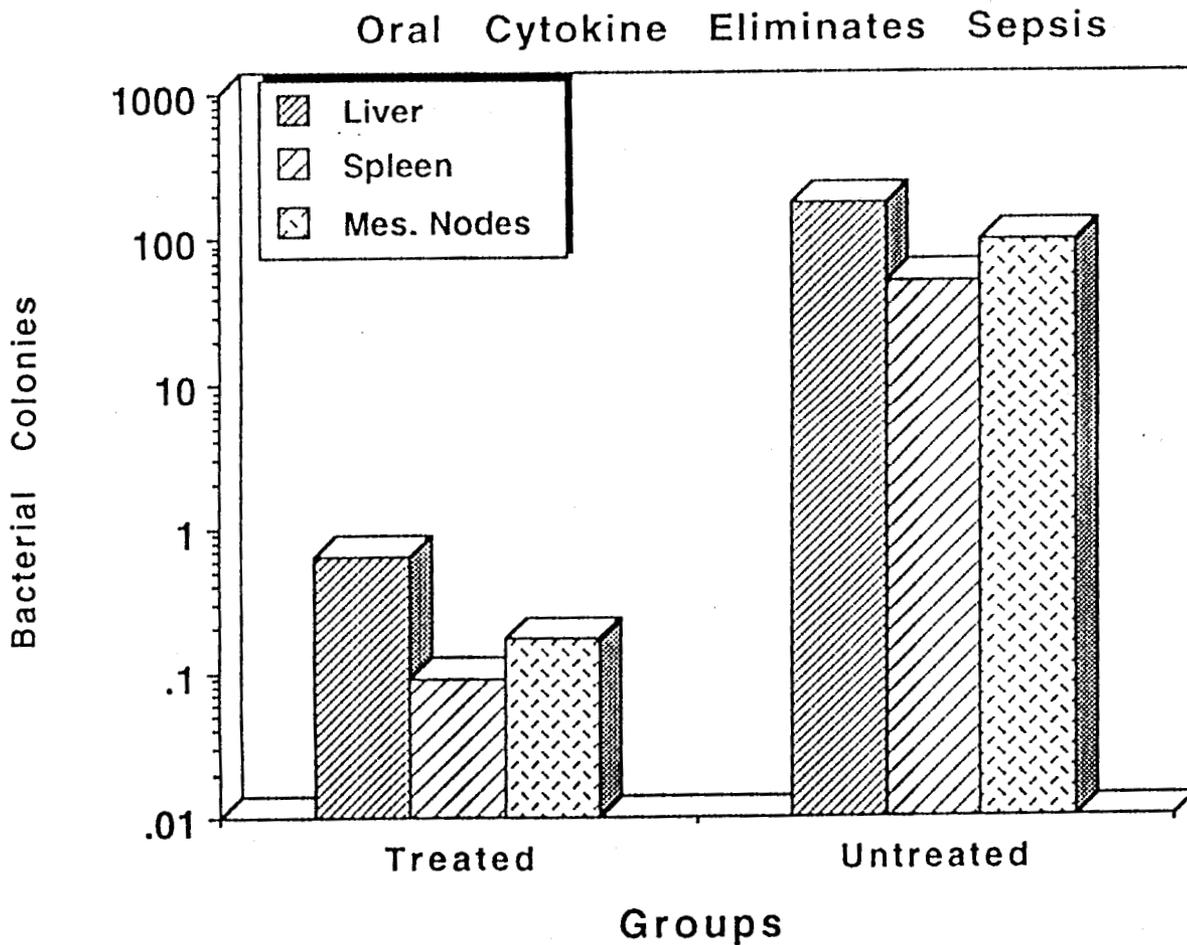
## Therapy for sequelae to hemorrhagic shock

*Problem:* A severe consequence of hemorrhagic shock is septicemia

*Solution:* Oral administration of  $\text{IL-6}$

- blocks bacterial translocation from gut
- decreases gut ischemia

*Advantages:* Fewer long term complications



## Potent and stable topical agents for healing improvement

*Problem:* A lack of effective and rugged stimulators of skin healing

*Solution:* Non-peptide agents, SPC and CPA

- Improve wound skin strength
- Increase rate of healing
- Stable, rugged, and practical for field use

*Advantages:* Less wound dehiscence

Table I.

day postwound	% control <sup>b</sup>	SEM <sup>c</sup>	n <sup>d</sup>
6	97.	8.	30
8	88. <sup>ns</sup>	4.	30
10	57. *	9.	30
12	35. **	12.	30
14	31. **	11.	20
16	63. <sup>ns</sup>	40.	20

<sup>a</sup> Wound areas were measured in *db/db* mouse excision wounds treated with 3  $\mu$ M SPC or with PBS (control).

<sup>b</sup> The means of the areas of SPC-treated wounds were expressed as a per cent of the areas of control wounds. The % control values were compared to the value at day 6 by an unpaired two-tailed t-test. P < 0.05 is denoted by "\*\*", p < 0.02 is denoted by "\*\*\*", and non-significant changes are denoted by "ns".

<sup>c</sup> Standard error of the means of the determinations.

<sup>d</sup> The number of mice evaluated: Half are SPC-treated and half are controls. Each control or experimental group consisted of five animals per experiment.

## Gene Therapy: Exciting Possibilities for Wound Healing

*Problem:* How to minimize surgical time and optimize healing

*Possible solution:* Gene therapy with growth factor and antibiotic genes

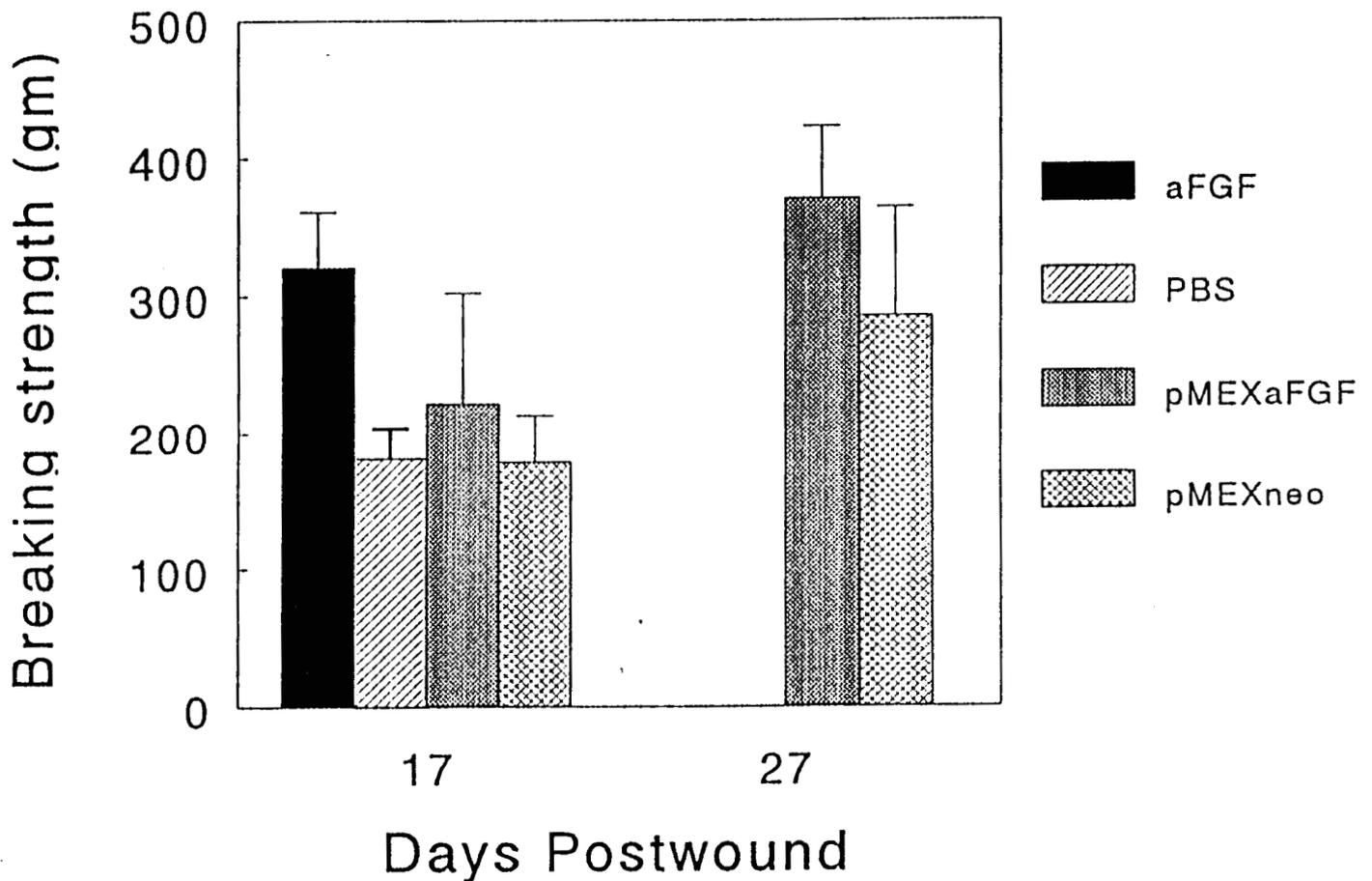
- Self-sustaining therapy--reduced physician and nursing care
- Modification of growth factors to improve functionality or for tailoring to special cases--eg incorporation of peptide antibiotic genes

*Advantages:* Self-dosing, reduced field hospital physician time

## Results with Gene Therapy

- Wound area was improved by a 3-day treatment with the signal peptide-aFGF plasmid,  $p < 0.05$ .
- Wound strength was improved by a 10-day treatment with the signal peptide-aFGF plasmid,  $p < 0.05$ .
- Plasmid transcription products were detected in the treated wound tissue.
- aFGF-producing cells were localized in wound tissue, but not distal to the wound site, and not in untreated controls.

## Incision Wound Strength aFGF and aFGF Gene



## SEPTIC SHOCK RESEARCH PROGRAM OVERVIEW FOR VISITORS

The Septic Shock Research Program (SSRP) is composed of 9 doctoral level scientists, 13 support staff and several visiting scientists. Fifteen are civilian, 7 are military. Our mission is twofold: (1) to conduct research to identify key target areas responsible for the pathophysiology of sepsis and septic shock, and (2) to develop therapies to prevent casualties from progressing into septic shock or treat them once they have progressed.

Sepsis and septic shock are an important military health care problem and an important health care problem for the general population. CDC estimates over 500,000 patients in the U.S. develop sepsis, mortality rates vary from 25% to 75% even under today's best treatments at a cost of \$10 billion annually. Estimates for the Navy are \$35 million in peacetime; this is expected to increase dramatically in war time when the number of casualties and likelihood of becoming septic increase. Our work has been focused in such a way that the results would also have direct impact on treatment of hemorrhagic shock. The treatment of hemorrhagic shock is an important goal of Navy and Army military medicine. Of the battlefield casualties that do not survive, over 90% expire before evacuation at the far forward battle zone. Most die of hemorrhage or hemorrhagic shock.

Combat casualties that result in hemorrhage or become septic trigger a very similar cascade of pathologic events. They both trigger a host cell activation and production of a complex matrix of signals that the host requires to make a compensatory response to prevent immediate death. This is the normal, healthy response to injury. Unfortunately, if the hemorrhage is severe enough or the septic challenge is strong enough the host response becomes overactive and starts down a pathological path that leads to a hyper-inflammatory response, vascular problems, perfusion disorders, and a shock state then likely to death. Even if the shock state is avoided by aggressive treatment, there is a strong possibility of a slow multiple organ system failure and death.

Many pharmaceutical companies have attempted to formulate treatments for sepsis and have failed. They have failed because of the dark side of sepsis treatments. If you indiscriminantly block host cell activation, as they have all attempted to do, you block the normal, healthy response to injury with a poor outcome.

We are attempting to block the progression at the inflammatory stage and at the vascular problem stage. We have identified several key targets for treatment and are developing agents to block the slide into perfusion disorder. We are also exploring a new technology designed to be exquisitely specific. In this was we hope to block only the pathologic events while allowing the normal, healthy response to continue on. This technology is based on antisense oligonucleotides (AS-ODN). These AS-ODN bind based on gene sequence to specific mRNA in the cell and prevent the synthesis of specific target molecules. Part of the reason for the failure of the previously mentioned pharmaceutical trials was they were based on antibody blocking of already produced and expressed target molecules. Blocking ubiquitous circulating molecules is difficult and expensive to do effectively. Further, some of the best target line the inside of the blood vessels. If you block them with antibodies you get

blocked capillaries and clotting. AS-ODN prevent the expression of the molecules - they never show up to do damage. This is a cleaner and more specific drug. We have 7 patent applications covering this technique and we are in partnership with a local biotechnology company to exploit it.

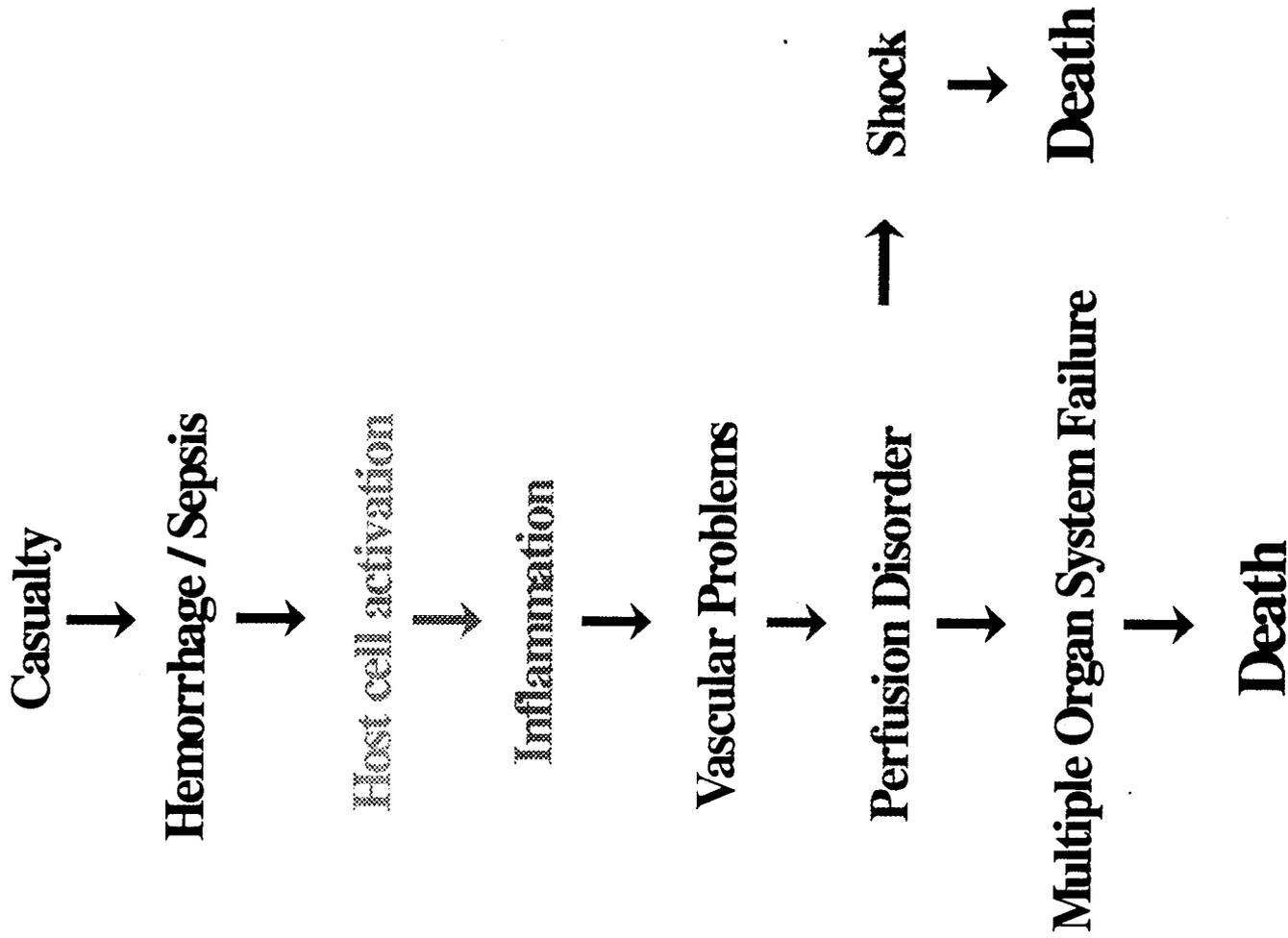
\* AS-ODN inhibit the production of target molecules by binding to the mRNA inside the cells and either preventing the protein production machinery from binding to the mRNA or by enhancing the binding of the mRNA-DNA duplex to ribonuclease H which then degrades the mRNA into little pieces.

# SEPSIS/SEPTIC SHOCK

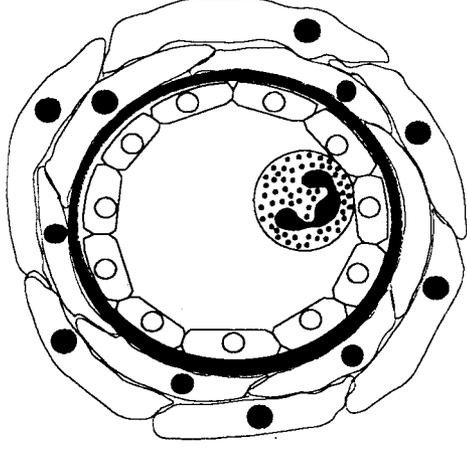
## Military Requirements

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- Many casualties get infections
- Septic shock frequent complication
- Even with best treatments  
    >40% mortality



# SEPTIC SHOCK TREATMENT PROGRAM

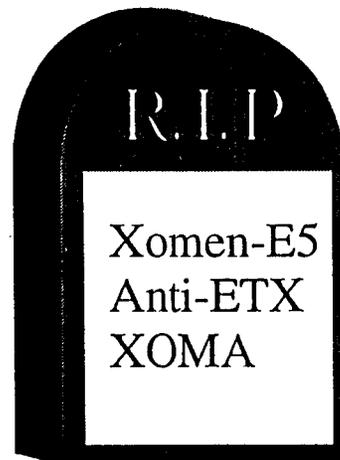
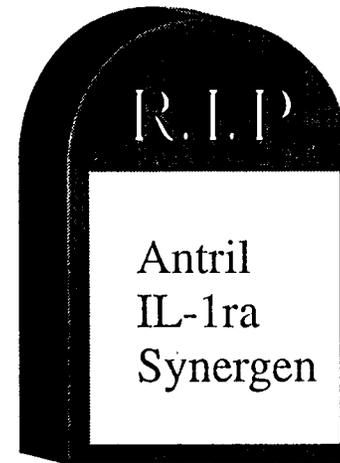


Vascular Dysfunction / Organ System Failure

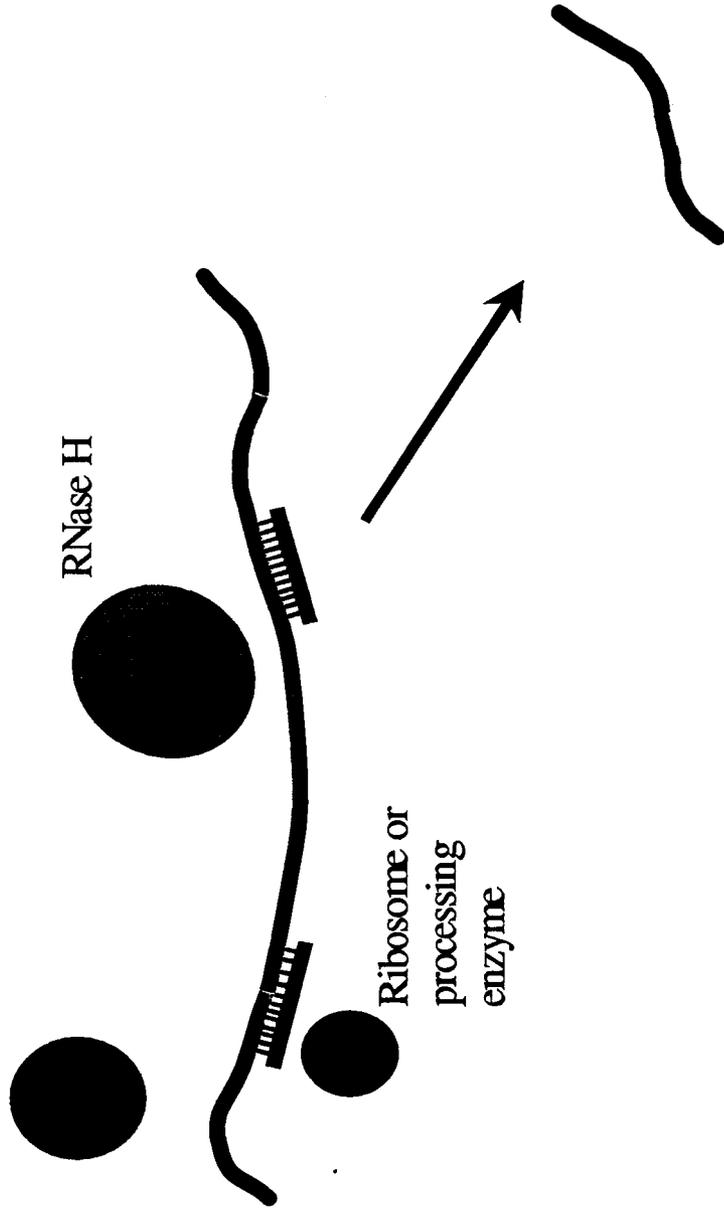
Anti-inflammatory Treatments

- identify targets for treatment
- evaluate treatments
- fleet recommendations

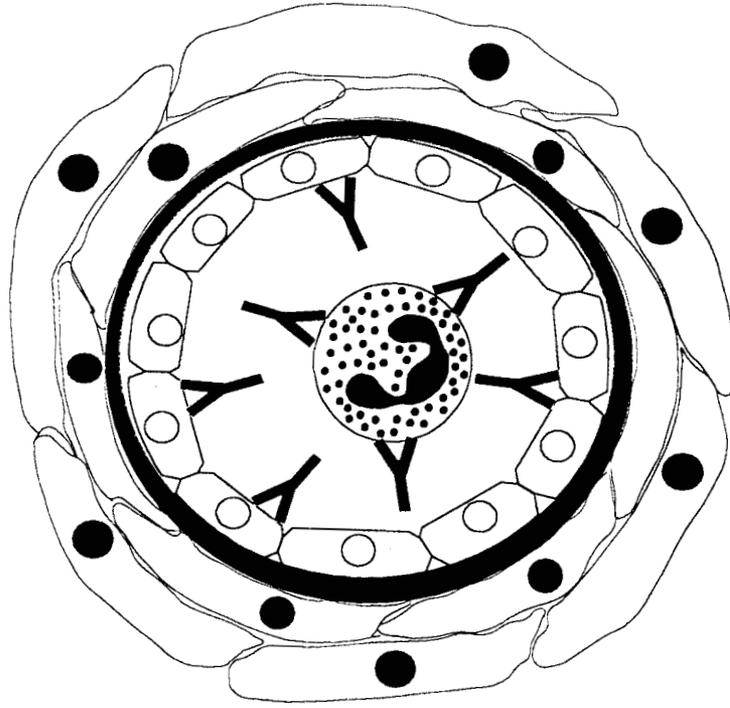
# THE DARK SIDE OF SEPSIS TREATMENTS



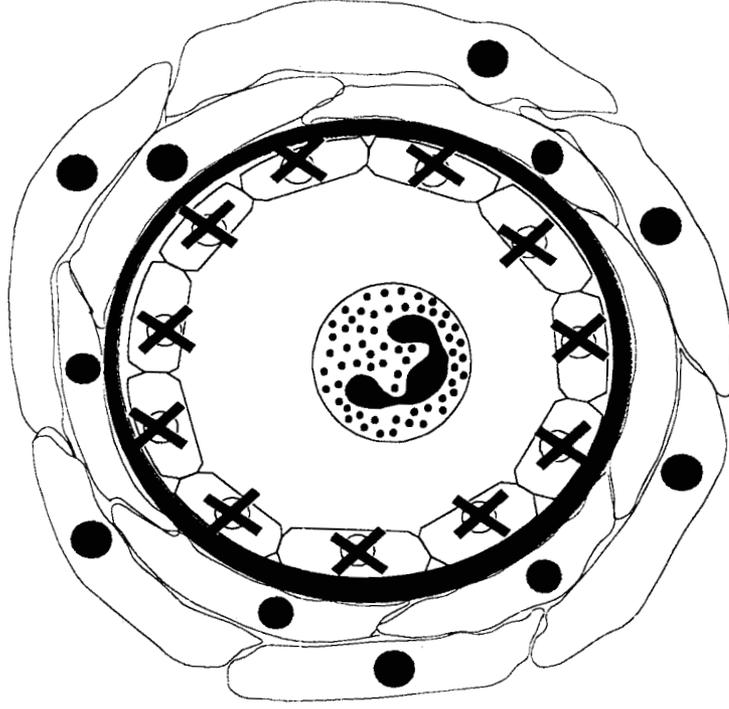
# Mode of Inhibition by Antisense Oligonucleotide



Antibody



Antisense - ODN



# **Products of Septic Shock Research**

## **Address Other Navy Medical Needs**

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- Hemorrhagic shock
- ARDS
- Ischemia/reperfusion injuries
- Decompression sickness / diving
- Inflammatory diseases
- Hypertension

## IMMUNE CELL BIOLOGY PROGRAM OVERVIEW FOR VISITORS

The mission of the Immune Cell Biology Program is to research the mechanisms underlying blood formation and immune system function; then to use the knowledge gained to develop novel technologies for the treatment of military relevant illnesses. The program currently consists of approximately forty scientists, technicians and administrative support staff. Structurally, the program is organized into five branches, the Preclinical Studies Branch, the Signal Transduction Branch, the Stem Cell Biology Branch, the Immunology Branch, and the HIV and Vaccine Branch.

The Stem Cell Biology Branch conducts and coordinates studies involving hematopoietic stem cells at the basic, applied, preclinical, and, ultimately, clinical levels to provide more effective therapies for military combat casualties. Toward this end the Branch has pioneered and performed nationally and internationally recognized research on human and nonhuman primate stem cell isolation, *ex vivo* expansion, transplantation, and genetic therapy. The Branch maintains a high level of collaborations with researchers at the National Institute for Allergy and Infectious Diseases, the National Cancer Institute, and the National Heart, Lung, and Blood Institute, NIH, and also with the Walter Reed Army Institute for Research, and the Henry M. Jackson Foundation Research Laboratories. As a measure of this group's stature, they will have an experiment aboard the Space Shuttle scheduled for launch in February, 1995 to test the effect of gravity on hematopoiesis.

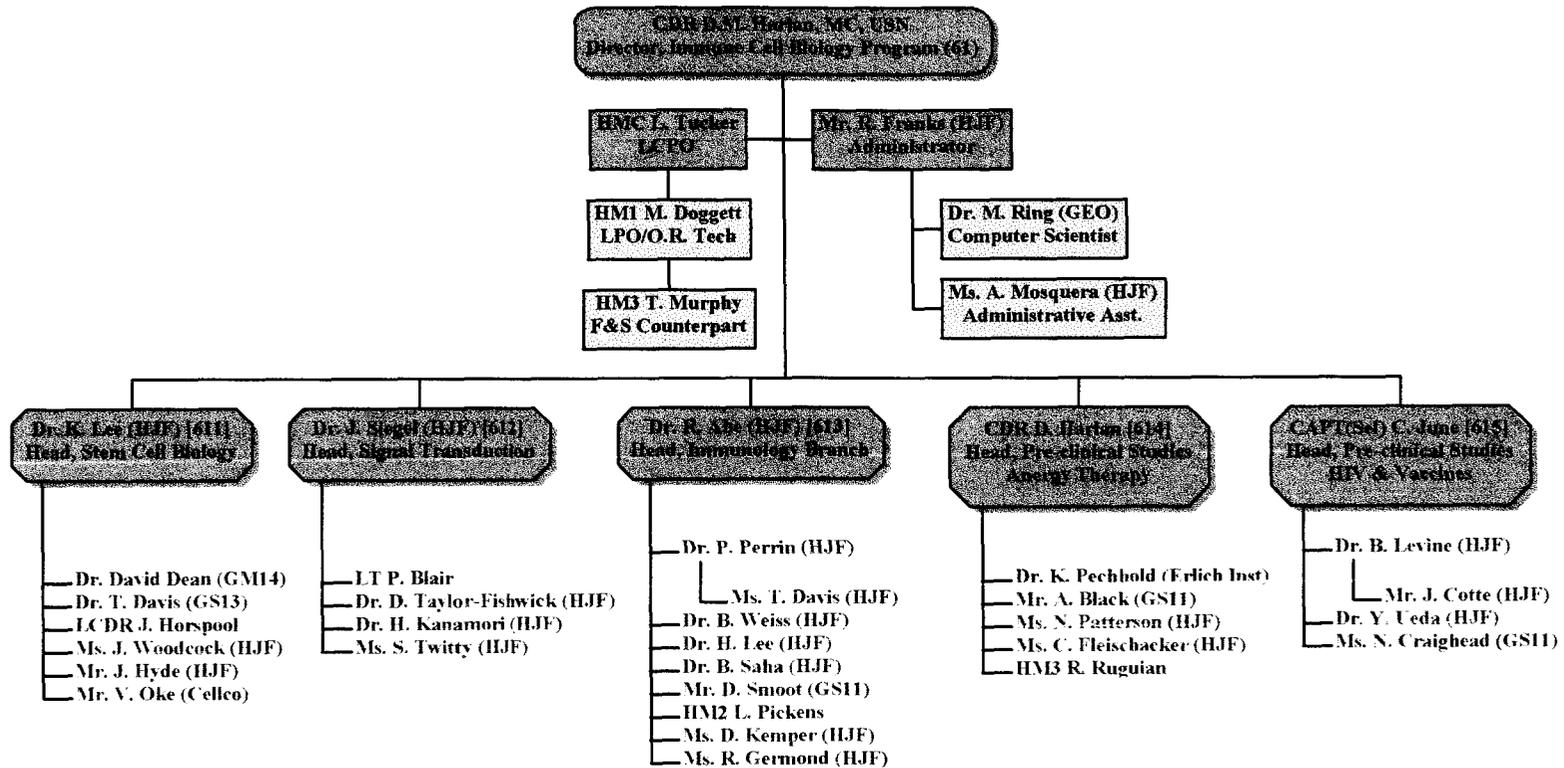
The Preclinical Studies and Immunology Branches conduct research directed toward overcoming the scientific barriers preventing transplantation therapy; i.e. limited donor supply and immune mediated graft rejection. Both scientific barriers may be overcome by a new "anergy induction" technique that would allow the grafting of pig organs into man without subsequent graft rejection or immune system suppression. Program investigators have been at the forefront of this exciting technology since 1987. Consequently the Navy holds the dominant patent rights to this technology recently referred to in the New York Times as "the holy grail of immunology." The same agents that are being developed for transplantation may also be clinically relevant for several immune mediated illnesses like type 1 diabetes mellitus and multiple sclerosis. Investigators in the Immunology Branch are studying various animal models to further develop this technology, while Preclinical Studies Branch Investigators are preparing this technology for clinical trials. Recent program animal studies have demonstrated, for example, the ability to completely block the undesired graft versus host disease that follows allogeneic bone marrow transplantation, an ability to significantly prolong interspecies skin graft survival, and the ability to markedly ameliorate clinical illness in a mouse model for multiple sclerosis. Preclinical Studies investigators are performing the experiments required to move this technology into the clinical sphere. These studies are of necessity wide ranging in scope and active collaborative efforts are ongoing with investigators at the University of Pennsylvania, the Dana Farber Cancer Institute, the National Institutes of Health, our cooperative research and development partner, the Repligen Corporation, and with investigators in Switzerland, Japan, Spain, and Israel.

The HIV and Vaccine Branch has been funded since 1990 to develop new technology for the growth of lymphocytes. Several technological advances have been submitted for patent applications.

A clinical trial entitled "A Phase I Dose Escalation Study of Polyclonal CD4 T Cell ex Vivo Expansion for Immune System Restoration of HIV Infection" was developed in 1994. It is anticipated that final protocol clearance will be obtained and that patient enrollment will begin in 1995. This technology was covered on NPR radio broadcast and was the subject of a report on ABC World News by Peter Jennings in Aug 1994.

The Signal Transduction branch conducts basic studies involving hematopoietic cells and T lymphocytes designed to understand how these cells respond to signals from their environment. In the area of hematopoiesis, our efforts are focused on trying to characterize the DNA elements in red blood cells, white blood cells and platelets which encode the instructions which make each blood cell type unique. This knowledge will be applied to develop reagents which will allow the growth of cells of a particular blood lineage *in vitro*. The group is also involved in collaborative work with the Walter Reed Army Institute for Research and the Henry M. Jackson Foundation Research Laboratories studying servicemen who are infected with HIV but are still well. In this collaboration, we are developing immune function assays to detect early signs of immune deficiency. A clinical trial is scheduled to begin shortly to study these assays in individuals over time to study their response to anti-retroviral therapy. We plan to use this information to pinpoint individuals who are still well but at risk of progressing to AIDS who might benefit from early, aggressive intervention.

**IMMUNE CELL BIOLOGY PROGRAM  
IMMUNOBIOLOGY DEPARTMENT  
NAVAL MEDICAL RESEARCH INSTITUTE**



# Requirements, goals and objectives

- Enhance the survival and return to duty of Navy and Marine Corps combat casualties
- Use new immune technology to overcome obstacles that currently prevent organ, bone marrow, skin, and limb transplantation treatment:
  - ➔ limited supply of available tissues & organs
  - ➔ need for immunosuppression prevents transplantation in acute traumatic injuries
  - ➔ GVHD complications following bone marrow transplantation

# Immune Cell Biology Program

## Definitions:

- Allotransplantation: human to human graft, not a twin donor
- Xenotransplantation: animal to human graft
- Rejection: “cell wars” that result in death of the graft
- Immunosuppression: general paralysis of the immune system currently required frequently results in infections or tumors
- Tolerance: peaceful coexistence/acceptance of graft
- Anergy: a form of tolerance
- Hematopoietic: Haima= Blood & Poiein= To make; The hematopoietic system makes blood and immune cells
- Stem Cells: Immature cells that develop into mature blood (red cells, platelets) and immune cells (lymphocytes, granulocytes and macrophages).
- Graft-versus-host disease (GVHD): Reaction of host (recipient) to marrow graft (donor)

## NMRI Transplantation & Stem Cell technology base

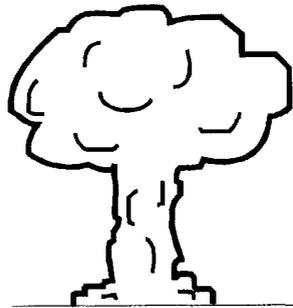
- Mustard gas poses a threat to personnel due to induction of bone marrow failure
- Investigators at NMRI performed studies in non-human primates to test this scenario
- A protocol was developed which shortens the duration of bone marrow injury by more than 50%
- The protocol (product) was implemented in support of operation “Desert Storm”

# Naval Medical Research Institute

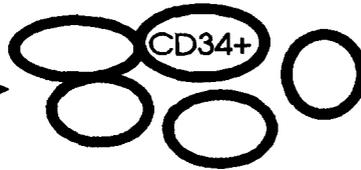
Stem Cell Biology Branch, Immunobiology Department

- PMVEC-hematopoietic cell coculture system
  - What it could do - casualty treatment

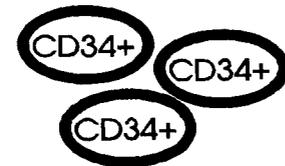
Soldier/patient suffers lethal bone marrow injury (radiation, toxins)



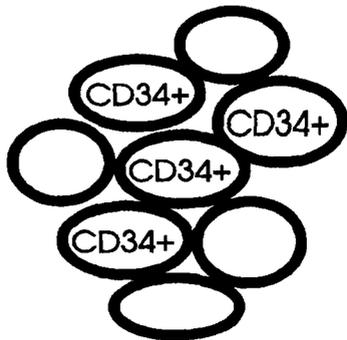
Remove 15 mL bone marrow from patient



Purify CD34+ stem cells with magnetic bead sorting



Transplant expanded bone marrow into patient.



Coculture with PMVECs in a deployable, large scale bioreactor system

cells expanded to transplantable numbers in 10-14 days

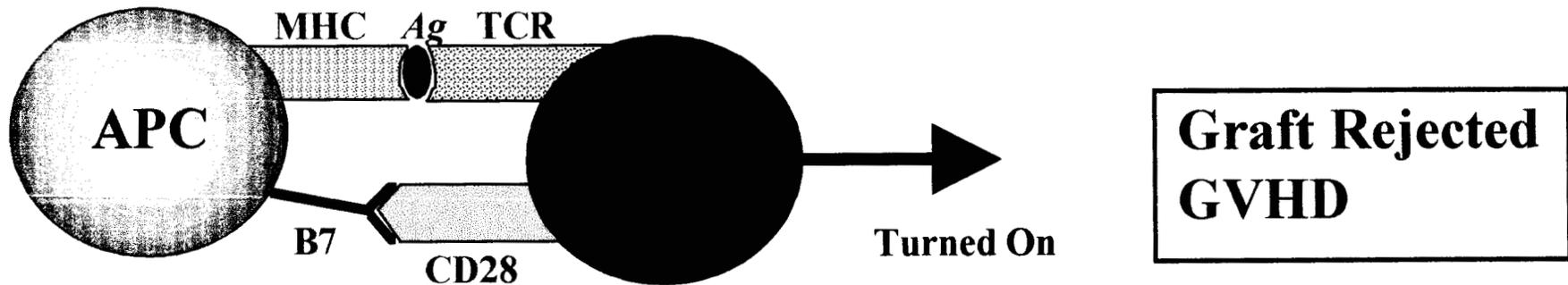
# Immunobiology Department

## CD34 “stem cell” transfusion therapy

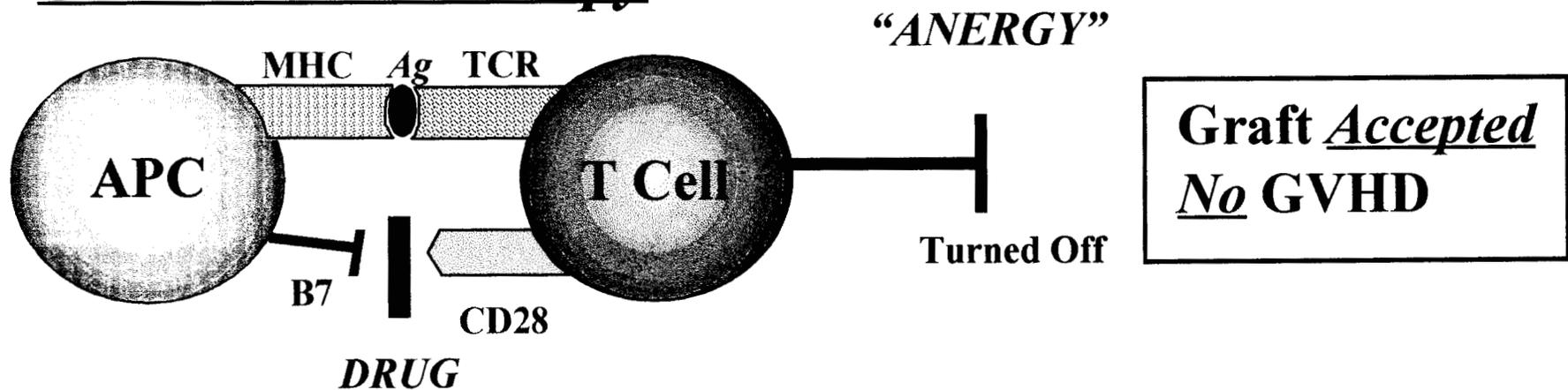
- **Rationale:** NMRDC first to develop in vitro growth of stem cells with maintenance of undifferentiated phenotype
  - 6.1 NMRDC continuous funding under 61152N since FY84
  - 6.2 preclinical studies: stem cell growth on PMVEC: patent application 93
  - Clinical development: CRADA, Cellico Inc., and NMRDC 93
  - 6.3 stem cell growth in large scale bioreactor: patent application 1994
  - Patent licensed to Cellico, Inc 1995
- **Navy Bone Marrow Registry**
  - non-overlapping mission and objective
  - Congressionally mandated program: unrelated allo-transplants

# Anergy Concept

## Normal Immune Function



## CD28 Immunotherapy



# Biologists Discover New Immune 'Switch'

Finding could ease  
hay fever, arthritis  
and transplants

By GINA KOLATA

**I**MMUNOLOGISTS have accidentally uncovered a new and unexpected signaling system that the immune system uses to deliberately shut off certain disease-fighting cells. The discovery fills in a major gap in understanding the immune system and may lead to advances like a treatment for hay fever.

"I think it's going to be fantastically important," said Dr. Charles Janeway, an immunologist at the Yale University School of Medicine. "It's the holy grail of immunology in my opinion."

Dr. Ronald Schwartz, an immunologist at the National Institute of Allergy and Infectious Diseases, agreed. He said current treatments for preventing organ rejection "punch a big hole in the immune system." He said a precise excision of the immune defenses that protect specific targets "has been the goal of immunology since its inception."

**New York Times**  
**22 Oct 91**

**BB THE WALL STREET JOURNAL FRIDAY, AUGUST 7, 1992**

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## **TECHNOLOGY & MEDICINE**

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# *New Drug Leaves Immune System Intact While Preventing Transplant Rejection*

**By MICHAEL WALDHOLZ**

**Staff Reporter of THE WALL STREET JOURNAL**

Researchers at Bristol-Myers Squibb Co. said they developed an experimental drug that may be safer than current therapy for preventing rejection of organ transplants.

"The most exciting possibility is that [the new drug] seems to make the body tolerant to foreign transplanted tissue" without affecting the immune system, said Peter S. Linsley, who, with Jeffrey A. Ledbetter, discovered the drug at Bristol-Myers's Seattle research center.

# Transplantation Research and The Navy Tissue Bank

## Historical Background: Ex Morte Vitae

- 1947 - 80: Tissue harvesting, cryopreservation, lyophilization: bone, dura, dental products
- 1980 - 85: Transplantation tissue typing technology
- 1983 - present: Bone marrow transplantation and transfusion therapies
- 1988 - present: Organ transplantation technology



# Highlights in the development of anergy therapy

- 1987 NMRI Biochemical discovery of CD28 receptor function
- 1988 NMRI, B-M Squibb & U. Michigan Patent application for anergy therapy
- 1990 B-M Squibb B7 receptor for CD28 discovered
- 1992 U. Chicago Anergy in mice: pancreas transplants
- 1992 U. Michigan Anergy in rats: hearts transplanted
- 1993 NMRI Diabetic mouse created by breaking tolerance with B7
- 1994 NMRI GVHR blocked in mice using anergy therapy

## NMRI Transplantation technology base

- Navy recognized for pioneering research in the field of energy
  - ➔ Lead agency for transplantation R&D
- Intellectual property: Navy owns the dominant patent application concerning this technology
- CRDA in place since 1991:
  - ➔ NMIRDC ↔ Repligen
  - ➔ Repligen will supply drugs manufactured under GMP conditions

# Anergy Therapy - Advantages of Projected Uses for Transplantation

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<p>" Military - effectively treat injuries:</p> <ul style="list-style-type: none"> <li>" Burns</li> <li>" Amputations</li> <li>" Single-organ failure from trauma</li> </ul>	<p><u>Conventional Therapy</u></p> <p>Autografts if burns limited No therapy if extensive burns</p> <p>Prosthesis</p> <p>Death or machine support</p>	<p><u>Anergy Therapy</u></p> <p>Allograft for extensive burns: salvage lives</p> <p>Limb replacement</p> <p>Organ replacement (not limited by donor availability)</p>
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<p>" Civilian - effectively treat chronic diseases that cause organ failure:</p> <ul style="list-style-type: none"> <li>" Diabetes</li> <li>" Heart, liver failure</li> <li>" End-stage renal disease</li> </ul>	<p><u>Conventional Therapy</u></p> <p>Limited availability of donors</p> <p>Toxicity of life-long immunosuppression</p> <p>Expensive</p>	<p><u>Anergy Therapy</u></p> <p>Virtually unlimited supply of animals for organs</p> <p>Immune function left intact</p> <p>Cost savings</p>
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## Immune Cell Biology

### Patent Applications 93- 95: NMRDC-Funded Research

7. "Transgenic animal model for autoimmune diseases." Navy case #75,093, filed Apr 93.
  - claims: method to test new drugs for treatment of autoimmune disease and transplant rejection
8. "Methods for selectively stimulating proliferation of T cells." Navy case #75,547, filed Jun 93.
  - claims: method to grow cells ex vivo for therapy of immunosuppressed patients
9. "CD28 Pathway Immunosuppression" Navy case #76,064, filed Jun 93.
  - claims: immunosuppression, GVHD, etc
10. "Method for in vivo expansion of human and animal hematopoietic stem cells." Navy case #75,249, filed Nov 93.
  - claims: method of ex vivo growth of stem cells for marrow transplants and transfusion therapy
11. "Large scale amplification of human hematopoietic progenitor cells in hollow fiber bioreactor culture system" Navy case #75,949, filed Jan 94.
  - claims: stem cell transfusion therapy

# Immune Cell Biology Program

- Current research efforts likely to produce products for submission to ASBPO and FDA.
  - organ transplantation therapy
  - skin transplantation: revolutionary new form of treatment for burns
  - stem cell transfusion therapy
  - stem cell ex vivo expansion and cryopreservation
  - sepsis therapy
  - blood and blood substitutes
- Products are ready for fleet use upon FDA submission.

## Transition: projected payoff to Navy

- **Military: the first effective therapy**
  - of severe burns
  - of explosive injuries resulting in loss of limbs
- **Dual use:**
  - improved access to marrow transplantation
  - xenogeneic organ grafts should alleviate critical shortage of organs in civilian and military arena
  - successful demonstration will encourage development of organic compounds to treat chronic immune problems such as arthritis, diabetes and multiple sclerosis

# Stem Cell Biology Research

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## ● Problem

- Current therapy for bone marrow injury casualties induced by chemical agents and/or ionizing radiation (accidental or intentional) is inadequate.
- Increased threat for nuclear terrorism

## ● Scientific Barrier

- Inability to grow or transfuse bone marrow stem cells

## ● Objective

- To develop the capability to harvest, store, and if necessary expand and transplant an individual's own bone marrow stem cells.

## ● Payoff

- Advantages over existing treatment strategies

No donor matching necessary; available for 100% of casualties

Significant reduction in complications: no immune response against the graft, and no GVHD

Treatment is forwardly deployable: a stem cell expansion system prototype was deployed on the space shuttle in Feb, 1995

- Technology transfer and societal benefit

Technology developed at NMRI, subject of 3 Navy patent applications, 1992-1994

Patents licensed by ONR in 1995

CRDA established with Cellco, Inc., 1993

Technology directly transferable.

Could revolutionize therapy for cancer, aplastic anemia, and genetic disorders.

# Transplantation Biology Research

## ● Problem

- Current therapy for casualties with specific end organ (skin, heart, liver, kidney, or lung) failure are inadequate.

## ● Scientific Barrier

- Two problems must be overcome for solid organs:
  - inadequate skin or organ donor supply
  - inability to prevent immune mediated graft rejection
- Skin transplantation is not possible with current techniques

## ● Objective

- To enhance the survival and return to duty of Navy and Marine Corps combat casualties by transplanting tissues from other species (e.g. pig) to man and preventing graft rejection without general immune system paralysis.

## ● Payoff

- Advantages over existing treatment strategies  
Anergy therapy being developed at NMRI to allow xenografts:
  - Virtually unlimited donor organ supply (pathogen free, transgenic pig colonies are being raised):
    - organ size similar to man's
    - little societal objection to use of pig tissues
    - hyperacute rejection alleviated
  - immunosuppression induced by current therapies overcome
- Technology transfer and societal benefit  
Biochemical discovery of the immune receptor underlying anergy therapy made by Naval Medical Research Institute investigators, subject of 22 ongoing patent applications.  
CRDA already established with the Repligen Corporation

# HIV Infection

## Emerging Military Threat

- U.S. Military
  - 7000 Active duty personnel
  - 4000 Reservists
  - 4000 Applicants
- Projected direct cost to U.S. military=\$2B
- Militaries throughout the world decimated
- Threat of economic, political and military instability

# Definitions and Terms

- **CD4<sup>+</sup> cell:** a form of white blood cell that is the target of the HIV-1 retrovirus
- **HIV infection:** a chronic infection characterized by a slow (10 yr average duration) but relentless loss of CD4<sup>+</sup> cells resulting in a paralyzed immune system and eventually patient death
- **AIDS:** acquired immunodeficiency syndrome

# The Need for Ex Vivo T Cell Growth “Adoptive Immunotherapy”

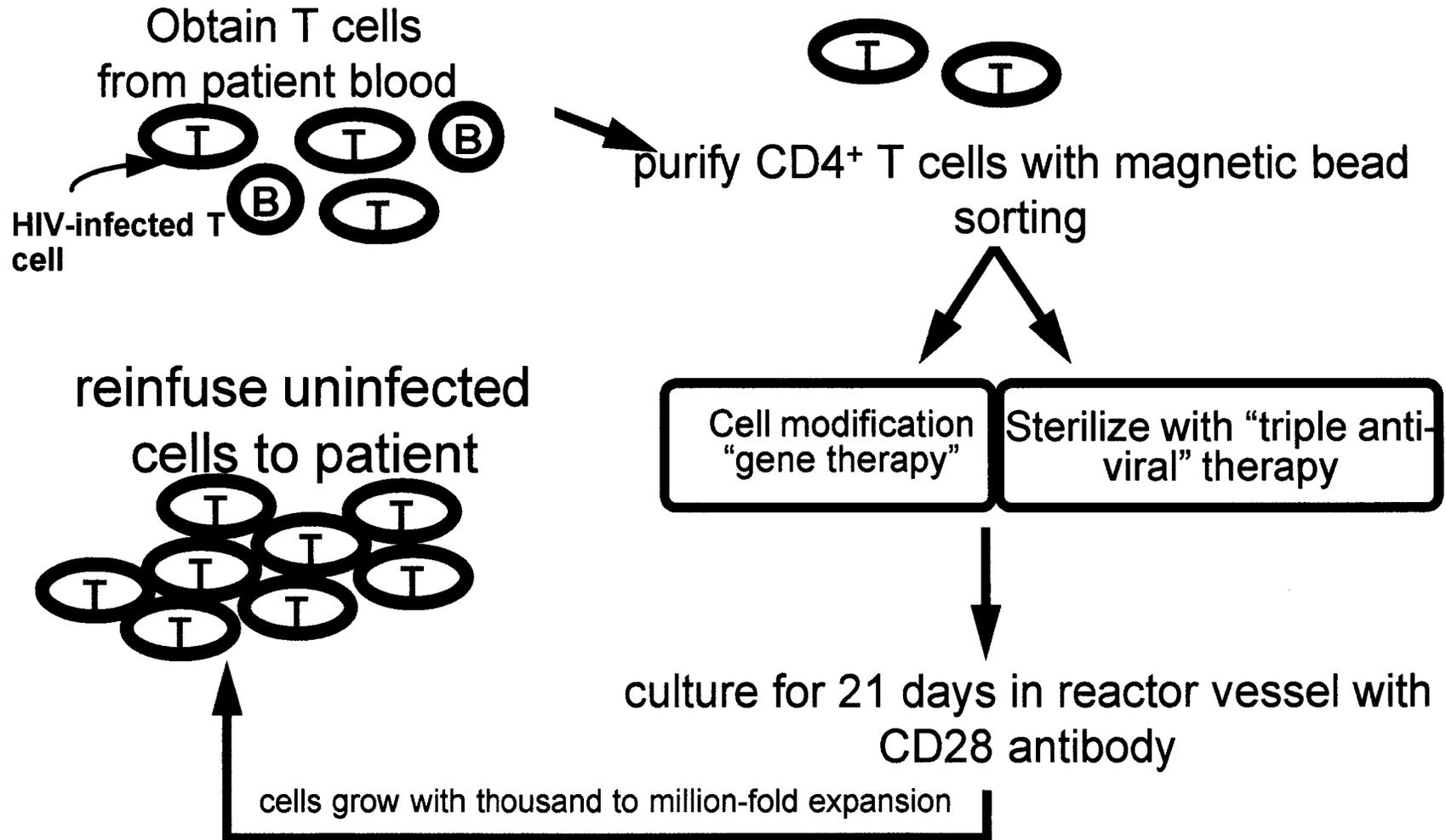
- Adoptive immunotherapy is a form of blood transfusion therapy whereby lymphocytes are infused into patients
- Immune “memory” is maintained in T lymphocytes, long-lived cells known to persist for 1 to 20 years.
- Several diseases could be treated by removing T cells from patients, growing and/or modifying them in reactor vessels, and then reinfusing the cells to the same patient, thereby restoring “memory”

# Problems in Ex Vivo T Cell Growth

## “Adoptive Immunotherapy”

- Current methods of T cell expansion are ineffective and result in  $CD8^+$  T cell predominance:
  - $CD8^+$  T cells are desired for cancer therapy (“TIL” cells, pioneered by Dr. Rosenberg at NIH)
  - $CD4^+$  T cells are needed for HIV therapy
- CD28 causes efficient growth of  $CD4^+$  T cells: from 10 ml of blood, T cells can be isolated and grown with a million-fold expansion, sufficient to replace the entire adult T lymphocyte population ( $\sim 10^{11}$  cells)
- The Navy (NMRDC) has five patent applications filed for this technology

# Overview: Technical Approach CD28-Mediated T Cell Expansion



# **ADOPTIVE CELLULAR TRANSFER**

## **A Phase I Dose Escalation Study of Polyclonal CD4<sup>+</sup> T cell Ex Vivo Expansion for Immune System Restoration of HIV Infected Patients**

- establish safety of autologous CD4<sup>+</sup> T cell infusions
- establish effects of CD4<sup>+</sup> infusions on circulating CD4<sup>+</sup> mass and repertoire
- platform for gene therapy approaches
- platform for antigen specific approaches
- platform for Th1 and Th2 based approaches

# Some Potential Clinical Uses of CD28 Mediated T Cell Growth

- In vitro cell growth
  - expand large numbers of CD4<sup>+</sup> T cells ex vivo for TIL therapy
  - gene therapy delivery system
  - immunotherapy
- In vivo uses
  - potential use as an adjuvant
  - target lymphokine production locally for tumor immunotherapy
- Prevention of programmed cell death
  - HIV

# Document Separator

**Naval Medical Research Institute (NMRI )  
Diving Research Program**

**May 1995**



**Andrea Harabin  
301-295 5904**

**Louis Homer  
301-295 5914**

# Department of the Navy Base Structure Analysis Team

# BSAT

## Facsimile Transmission Cover Sheet

Date:

<b>From:</b> Major Cone Office: (703) 681-0491 Fax: (703) 756-2174
<b>To:</b> Mr. Joe Varallo Fax: 696-0550

Number of Pages (including cover page): 3



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

LT-0780-F16  
BSAT/WC  
8 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 attached further clarification is provided in response to a verbal query by Mr. Joe Varallo on June 8, 1995, regarding the Naval Medical Research Institute (NMRI), Bethesda.

This response supplements my letter of May 25, 1995 (BSAT library number: LT-0780-F16), in which I responded to previous questions pertaining to NMRI asked by Mr. Alex Yellin on May 23, 1995. 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,

A handwritten signature in black ink, appearing to read "Charles P. Nemfakos".

Charles P. Nemfakos  
Vice Chairman,  
Base Structure Evaluation Committee

Attachment

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION QUESTIONS  
CONCERNING THE NAVAL MEDICAL RESEARCH INSTITUTE,  
BETHESDA, MARYLAND

The following question and answer is provided as additional information to a previous inquiry by Mr. Alex Yellin on May 23, 1995, as requested by Mr. Joe Varallo of the Commission Staff on June 8, 1995.

Q1. What will happen to the buildings being vacated by NMRI.

A1. As shown in the certified Scenario Data Development Data Call response, all space occupied by NMRI will be shut down as a result of this closure and realignment action. Actual disposition of the facilities will be addressed during implementation.

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION QUESTIONS  
CONCERNING THE NAVAL MEDICAL RESEARCH INSTITUTE,  
BETHESDA, MARYLAND

The following questions and answers are provided as additional clarification to a previous inquiry by Mr. Alex Yellen on May 23, 1995, as requested by Mr Joe Varallo of the Cross Service Team of the Commission Staff.

Q1. The environmental room associated with a deep water tank at NMRI appears to be a one of a kind facility. Was the environmental room considered for relocation?

A1. The 25 tons of equipment being relocated from NMRI to Panama City (Scenario Development Data Call - Table 2-B) includes the equipment associated with the environmental room.

Q2. The hydrogen facility located at NMRI appears to be a one of a kind facility. Was this facility considered for relocation?

A2. The "new" hydrogen facility was not included for relocation in NMRI's Scenario Development Data Call. Additional information provided by NMRI through the BUMED BRAC coordinator explains that the "new" facility is in the last year of a five year program. Funding to continue the work performed by this facility, i.e. the comparison of hydrogen to helium as it applies to diving, ends this year. The personnel associated with the hydrogen facility are part of the unmanned (animal) research personnel relocating to Walter Reed. The request for future funding is contingent upon the success this facility has with hydrogen testing. If found to be successful, and if additional funds are allocated, the program will progress to a phase of testing encompassing two to three years of follow-on testing on primates. This can be accomplished prior to the intended relocation of NMRI to Walter Reed and Panama City in 1999. If this stage of testing is deemed successful, the next step will be to move from the realm of unmanned to manned hydrogen testing. To conduct manned testing, construction of a new facility at Panama City, would be required. Funding for a new manned facility would be Program/MILCON funded, not a BRAC cost, as this represents a new requirement.



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

LT-0780-F16  
BSAT/WC  
2 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 attached clarification is provided in response to a verbal query by Mr. Joe Varallo on June 1, 1995, regarding the Naval Medical Research Institute (NMRI), Bethesda.

This response supplements my letter of May 25, 1995 (BSAT library number: LT-0780-F16), in which I responded to previous questions pertaining to NMRI asked by Mr. Alex Yellin on May 23, 1995. 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,

A handwritten signature in black ink, appearing to read "Charles P. Nemfakos".

Charles P. Nemfakos  
Vice Chairman,  
Base Structure Evaluation Committee

Attachment



DEPARTMENT OF THE NAVY  
CHIEF OF NAVAL OPERATIONS  
2000 NAVY PENTAGON  
WASHINGTON, DC 20350-2000

11000 IN ASPLY REFERT  
Ser N873/4U657001

13 DEC 1994

MEMORANDUM FOR DIRECTOR, SHORE ACTIVITIES DIVISION (N44)

Subj: BRAC-95 DATA CALL ON RELOCATION OF MANNED DIVING RESEARCH  
FROM THE NAVAL MEDICAL RESEARCH INSTITUTE (NMRI), BETHESDA, MD. TO  
THE NAVY EXPERIMENTAL DIVING UNIT (NEDU), PANAMA CITY, FL.

1. I have recently been notified that BRAC-95 is considering a recommendation to close the Diving Research Support Department of the Naval Medical Research Institute in Bethesda, Md. and to relocate the "manned diving" research function of that facility at the Navy Experimental Diving Unit in Panama City, Fl.

2. As this proposal is evaluated, I recommend that the following be considered:

a. The proposal which was briefed to me calls for relocation of the "manned diving" research capability only. The "manned diving" research conducted by the Diving Research Support Department of NMRI is only a portion of the essential work performed by that department. The department also conducts a variety of animal research associated with the physiological effects of hyperbaric pressure which is essential to the satisfactory results of the human research on the same subject. Any discussions regarding the disestablishment of the Diving Research Support Department at NMRI should include consideration of the fact that the Navy has a continuing requirement for both human and animal research on physiological effects of hyperbaric pressure.

b. NEDU is not currently staffed to perform both its current function and the "manned diving" research performed by NMRI. Should the decision be made to shift "manned diving" research to NEDU, additional billets would be required. These billet requirements have been addressed in the BRAC data submitted by BUMED.

c. NEDU is also not funded at a level which would support the additional requirements of "manned diving" research. Additional operating and maintenance funding would be required.

d. NEDU does not have adequate facilities to support the additional requirements of "manned diving" research. Funding will be required to convert existing offices for use as laboratories. Specific estimates of the funding required were included in the BRAC data submitted by BUMED.

*R. A. Riddell*  
R. A. Riddell  
Head Deep Submergence  
Branch (N873)

Copy to:  
CNO (N87)  
COMNAVSEASYSOM (OUC)  
NMRDC  
NMRI  
NEDU

OPTIONAL FORM 10 (90)

FAX TRANSMITTAL

# of pages 1

To	DR. HOWER	From	CDR McLEAN
Dept./Agency	NMRI	Phone #	703 697 2040
Fax #	301-295-0782	Fax #	703 697 8273
FORM 7540-01-317-7308		6099-101 GENERAL SERVICES ADMINISTRATION	

## FAX TRANSMITTAL

TO: *M. J. Varallo*  
FROM: DR. JAMES VOROSMARTI  
(301) 762-6957

COVER PAGE PLUS 1

---

*Herewith a copy of Adam Riddell's  
memo re relocation of NMR  
Research Facility.*

*James*

31 May 1995

MEMO

TO: Mr. J. Varallo  
FROM: Dr. J. Vorosmarti  
SUBJ: Navy response to the questions asked by Mr. Yellin,  
response dated 25 May 1995

I am attempting to put down my thoughts after reading the subject letter and to try to provide you with some information or comments you may be able to use.

First of all, it is obvious that the response does not directly address some of the questions asked, shows lack of understanding of the uniqueness of the diving facility at NMRI and indicates that the preparer was not fully conversant with the issue of NMRI closing and the diving facility as a stand alone facility, and does not understand the general question raised. It is also obvious that the preparer is not familiar with research or research facilities in general and the diving facility in particular.

The first two pages are, for the most part, a collection of grandiose filler which is written to back up the Navy stance without providing any concrete or objective data to support the statements made. For instance, in paragraph 3 on page 1 the statement is made that "Some technical, economic, and performance advantages may be lost by separating NMRI's Diving Medicine Program from the site conducting Infectious disease, Combat Casualty Care and Operational Medicine Programs". No one is trying to make the case that the Diving program and these programs should remain together; in fact, the opposite is the case; that the diving program, both the basic research part and the human (not manned) research should stay together where they are. The diving Program has never been connected to these other programs. The preparer is correct in stating that the facilities in Panama City were built for testing diving equipment: that is exactly the other point we have been trying to make, that NEDU is not an R&D facility. The preparer obviously believes that the facilities at NEDU and the infrastructure and staffing at NEDU and NSWC are superior to those at NMRI and the Bethesda area. Unfortunately, they are not. It would behoove the preparer to find out how many medical researchers and research technicians are at the NEDU and NSWC facilities. Most of the infrastructure the preparer cites as an advantage are not, in fact needed, let alone an advantage.

On page 2 in the 1st complete paragraph, it is stated that the relocation of functions to Panama City does not destroy a national asset as alluded, but rather combines activities. This is a ludicrous statement to make in the face of the facts, which are obviously being ignored to make a case.

In the last paragraph on page 2 carried over to page 3, it

handle the moving of 70 people and an entire research program to NEDU was a totally unrealistic number. See Answer 1.

Answer 7. The answer is appropriate for NMRI and probably many other facilities. However, the diving facility at NMRI is so specialized and so immovable that perhaps someone with common sense could see that this is a tremendous waste of money and equipment.

I hope this may be useful to you. Please feel free to do with it whatever you will. I just heard today that N857 told the Navy BRAC office via memo they also thought the analysis was inaccurate, and that they did not want the diving facility closed.

  
J. Vorosmarti

is stated that the collocation of "some" NMRI functions at WRAIR has nothing to do with the BRAC-95 process. That is probably true since ASBREM has been making decision to collocate all the military services' labs and functions for almost 15 years. The ASBREM has never suggested moving the diving research anywhere. Since the Navy is the only service doing diving research there has been little if any discussion of the Diving Program in ASBREM and certainly none about splitting and moving it.

Answer 1. The answer certainly increases my suspicion that the COBRA analysis is based on inaccurate information. Even if some of the administrative equipment is included in the COBRA algorithms this was a major input error. Obviously no research was done at the appropriate levels to come up with reasonable estimates of costs for MILCON.

Answer 2. Answer is not very responsive. Is or is not the Army going to ask the Navy to provide any portion of the MILCON for the new WRAIR? Since the WRAIR was not designed to contain a diving chambers or hydrogen facilities, and the basic research portion of the Diving Program was never planned to move to WRAIR, of course no saving will be recouped by not moving the diving facility to WRAIR.

Answer 3. This answer is non-responsive. A "notional base"? Why not use the actual numbers for WRAIR personnel and BOS and RMPA? (see next answer). This question was asked to point out again the errors in the COBRA data. Freight costs have nothing to do with the number of people at a base. This apparently is another attempt at obfuscation.

Answer 4. This question was also asked to point out obvious errors in the analysis. The analysis shows that closing NMRI will save the entire current RPMA costs of \$1.407M a year. The explanation is that no new MILCON will be needed at either new location. My understanding of RPMA was that this was for minor milcon and maintenance. The explanation given makes little sense. I would think, and so would a lot of other rationale people that if you move into buildings, either new or old, some maintenance costs will be involved. The current BOS costs at NMRI are given as \$6.090M. The savings due to the move are stated to be \$3.922M per year. This makes little sense unless the calculation is based on the numbers of personnel. If this is done than the numbers for WRAIR, based on the highly inflated personnel numbers will provide a lower BOS for two reasons; the first is the lower number of persons going to WRAIR due to positions lost or transferred to NEDU; the second is that the per capita rate for the BOS based on the figures given for WRAIR (or the so-called "notional base") are seven times less than the current NMRI costs.

Answer 6. This answer again shows the poor input into the COBRA analysis. Anyone who know the equipment and facilities involved would have known that the \$200K for construction to

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## Economic Impact Data

**Activity: NATNAVMEDCEN BETHESDA**

**Economic Area: Washington, DC-MD-VA-WV PMSA**

**Impact of Proposed BRAC-95 Action at NATNAVMEDCEN BETHESDA:**

Total Population of Washington, DC-MD-VA-WV PMSA (1992):	4,360,300
Total Employment of Washington, DC-MD-VA-WV PMSA, BEA (1992):	2,948,259
Total Personal Income of Washington, DC-MD-VA-WV PMSA (1992 actual):	\$116,931,989,000
BRAC 95 Total Direct and Indirect Job Change:	(226)
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	(42)	0	0	(42)	
	CIV	0	0	0	0	0	(28)	0	0	(28)	
Other Jobs:	MIL	0	0	0	0	0	(49)	0	0	(49)	
	CIV	0	0	0	0	0	(27)	0	0	(27)	
<b>BRAC 95 Direct Job Change Summary at NATNAVMEDCEN BETHESDA:</b>											
	MIL	0	0	0	0	0	(91)	0	0	(91)	
	CIV	0	0	0	0	0	(55)	0	0	(55)	
	TO	0	0	0	0	0	(146)	0	0	(146)	
										Indirect Job Change:	(80)
										Total Direct and Indirect Job Change:	(226)

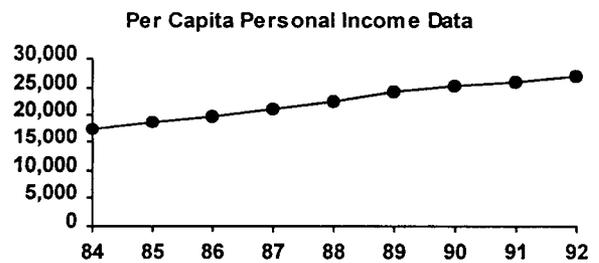
**Other Pending BRAC Actions at NATNAVMEDCEN BETHESDA (Previous Rounds):**

	1994	1995	1996	1997	1998	1999	2000	2001	Total
MIL	33	10	0	0	0	0	0	0	43
CIV	0	0	0	0	0	0	0	0	0

**Washington, DC-MD-VA-WV PMSA Profile:**

Civilian Employment, BLS (1993): 2,434,076

Average Per Capita Income (1992): \$26,817



**Annualized Change in Civilian Employment (1984-1993)**

Employment:	52,735
Percentage:	2.5%
U.S. Average Change:	1.5%

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

Dollars:	\$1,184
Percentage:	5.6%
U.S. Average Change:	5.3%

**Unemployment Rates for Washington, DC-MD-VA-WV PMSA and the US (1984 - 1993):**

	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>
Local	4.3%	4.0%	3.5%	3.2%	3.0%	2.8%	3.5%	4.7%	5.2%	4.5%
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.

## Economic Impact Data

**Activity: NATNAVMEDCEN BETHESDA**

**Economic Area: Washington, DC-MD-VA-WV PMSA**

**Cumulative BRAC Impacts Affecting Washington, DC-MD-VA-WV PMSA:**

<b>Cumulative Total Direct and Indirect Job Change:</b>	<b>(16,821)</b>
<b>Potential Cumulative Total Job Change Over Closure Period (% of 1992 Total Employ</b>	<b>(0.6%)</b>

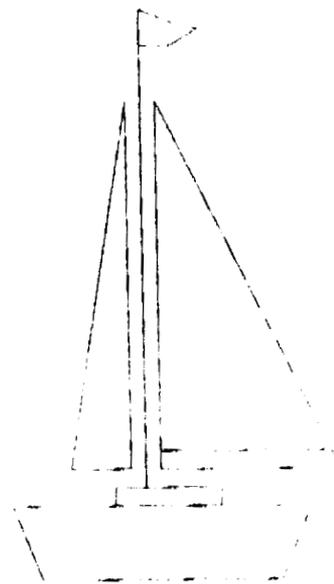
		<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>Total</u>	
<b>Other Proposed BRAC 95 Direct Job Changes in Economic Area (Excluding NATNAVMEDCEN BETHESDA)</b>											
Army:	MIL	0	0	0	0	193	602	0	0	795	
	CIV	0	0	(9)	0	0	334	0	0	325	
Navy:	MIL	0	0	33	(149)	(53)	0	0	0	(169)	
	CIV	0	0	(119)	(637)	(358)	0	0	0	(1,114)	
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	11	0	0	0	11	
	CIV	0	0	0	0	41	0	0	0	41	
<b>Other Pending Prior BRAC Direct Job Changes in Economic Area (Excluding NATNAVMEDCEN BETHESDA)</b>											
Army:	MIL	42	(123)	(253)	(87)	0	0	0	0	(421)	
	CIV	59	(275)	(589)	(430)	(158)	0	0	0	(1,393)	
Navy:	MIL	7	(64)	(582)	(845)	(1,027)	0	0	0	(2,511)	
	CIV	(27)	(468)	212	(4,510)	(1,288)	0	0	0	(6,081)	
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	
<b>Cumulative Direct Job Change in Washington, DC-MD-VA-WV PMSA Statistical Area (Including NATNAVMEDCEN BETHESDA)</b>											
	MIL	82	(177)	(802)	(1,081)	(876)	511	0	0	(2,343)	
	CIV	32	(743)	(505)	(5,577)	(1,763)	279	0	0	(8,277)	
	TO	114	(920)	(1,307)	(6,658)	(2,639)	790	0	0	(10,620)	
										Cumulative Indirect Job Change:	(6,237)
										Cumulative Total Direct and Indirect Job Change:	(16,821)

NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND  
NATIONAL NAVAL MEDICAL CENTER  
8901 WISCONSIN AVENUE, BLDG. 1, T-10  
BETHESDA, MD 20889-5606

LCDR S. L. HAYES, MSC, USN  
COMPTROLLER  
CODE 01

PHONE: 301-295-0886

FAX: 301-295-1022



TO: 300 VARALLO

PHONE: 703-696-01504

FAX: 703-696-0536

NOTE:

*I hope this is helpful and  
your questions. If not or if you  
need clarification or additional info  
Please don't hesitate to call me  
my home this 301 982 3444 and pager  
301-982-6944*

*S. L. Hayes*

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

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

From Losing Base: NMMC Bethesda							
To Gaining Base: NAVSEA Panama City							
	1996	1997	1998	1999	2000	2001	Total
Officer Billets				7			7
Enlisted Billets				35			35
Civilian Positions				28			28
Military Students							
Tons of Mission Equipment				25			25
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

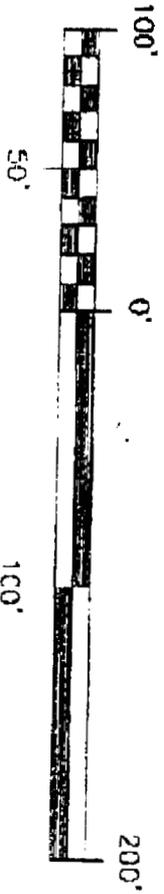
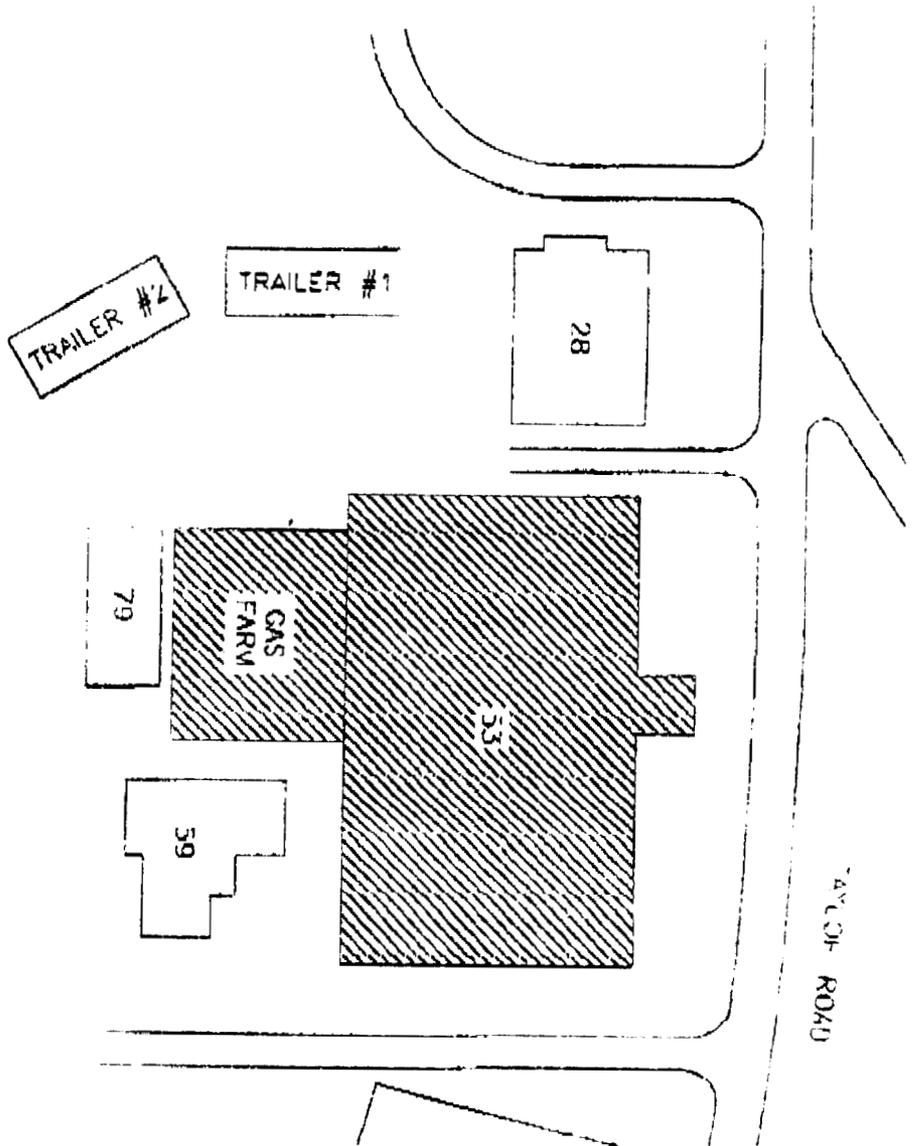
Compressor  
 Gas Flash  
 Environmental Room  
 Temperature Control System  
 Clean Room Module

Rationale for Relocating

Critical equipment needed to augment migrating workload. Direct support of man-dive mission.  
 See 2-4-A & 2-4-B

# SITE PLAN

ORIENTATION OF SITE PLAN AND FLOOR PLAN  
TOWARD NORTH ARE THE SAME.

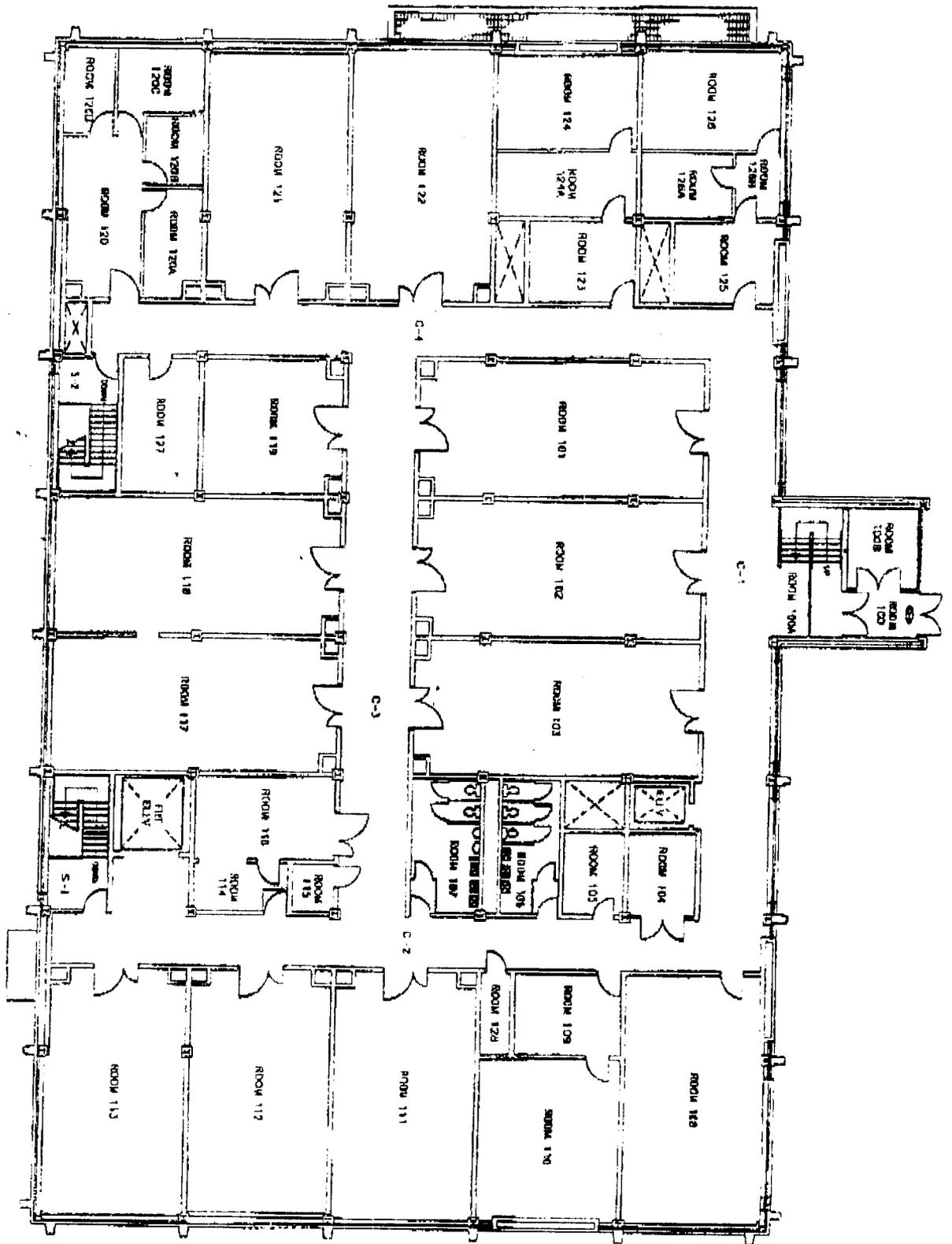


GRAPHIC SCALE

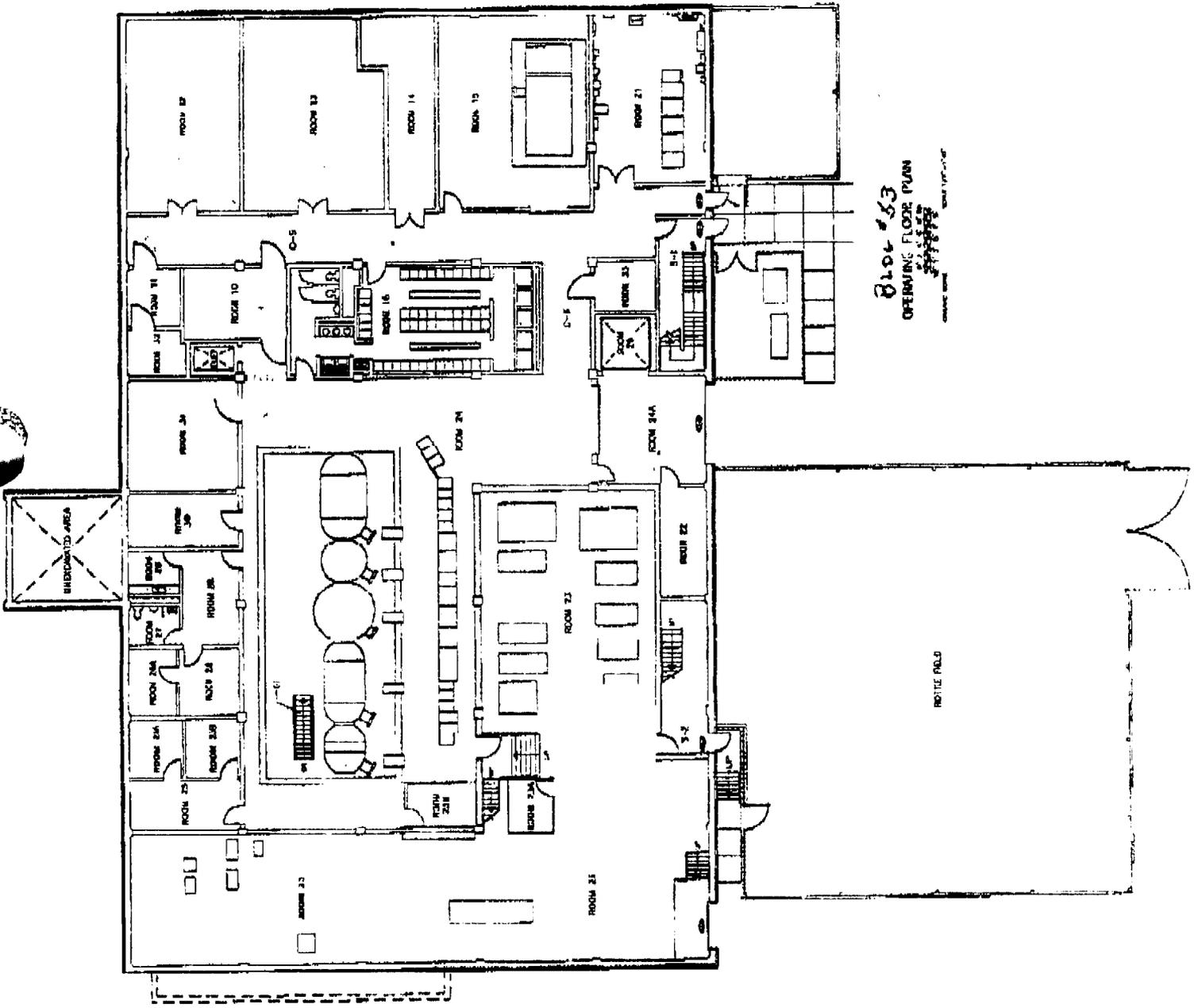
SCALE: 1" = 100'

69

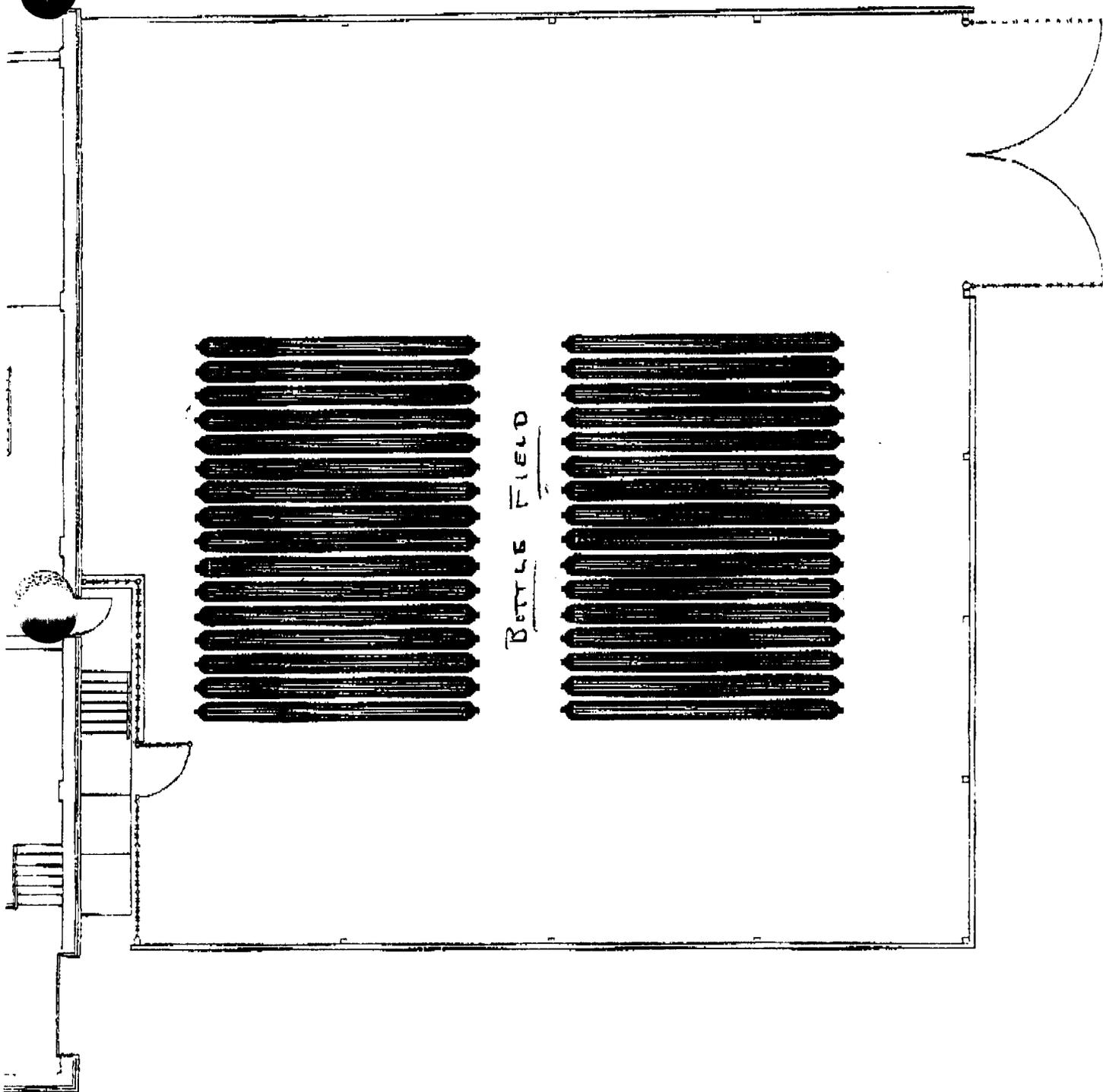
## ENCLOSURE ( )



Ride # 63  
 FIRST FLOOR PLAN  
 DRAWING NO. 1  
 SCALE 1/8" = 1'-0"



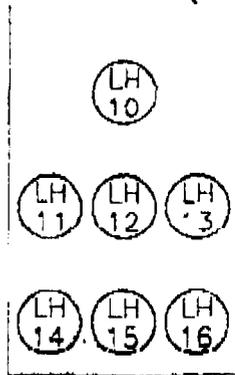
8104 63  
 OPERATING FLOOR PLAN  
 11/11/94  
 11/11/94  
 11/11/94  
 11/11/94



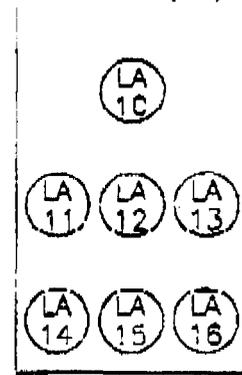
# BOTTLE FIELD ARRANGEMENT (GF)

DWG. NO. G0225 SH. 2 OF 3 REV. "D" 3/10/84

## LAB HELIUM(LH)



## LAB AIR(LA)



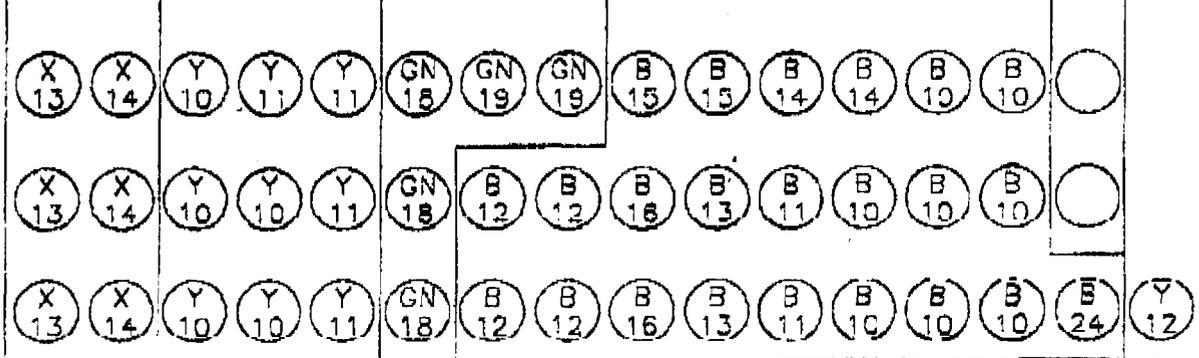
## OXYGEN(X)

## AIR(Y)

## NITROGEN(GN)

## MIXED GAS(B)

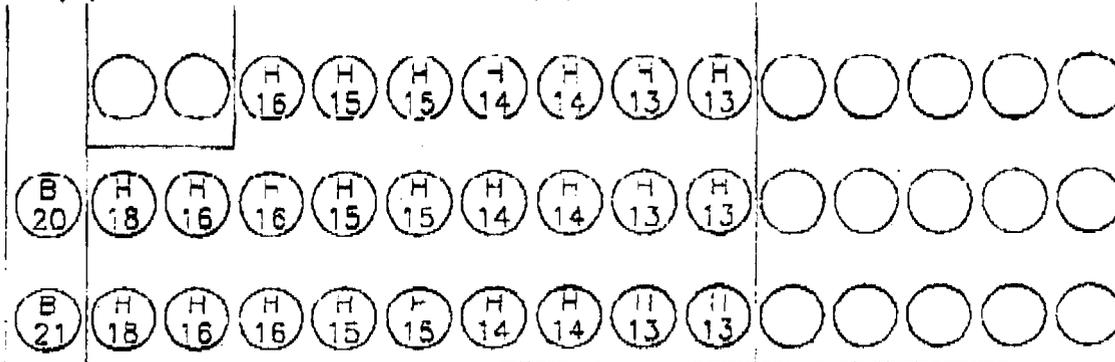
## AIR(Y)



## MIXED GAS(B)

## HELIUM(H)

## FUTURE TREATMENT CHAMBER



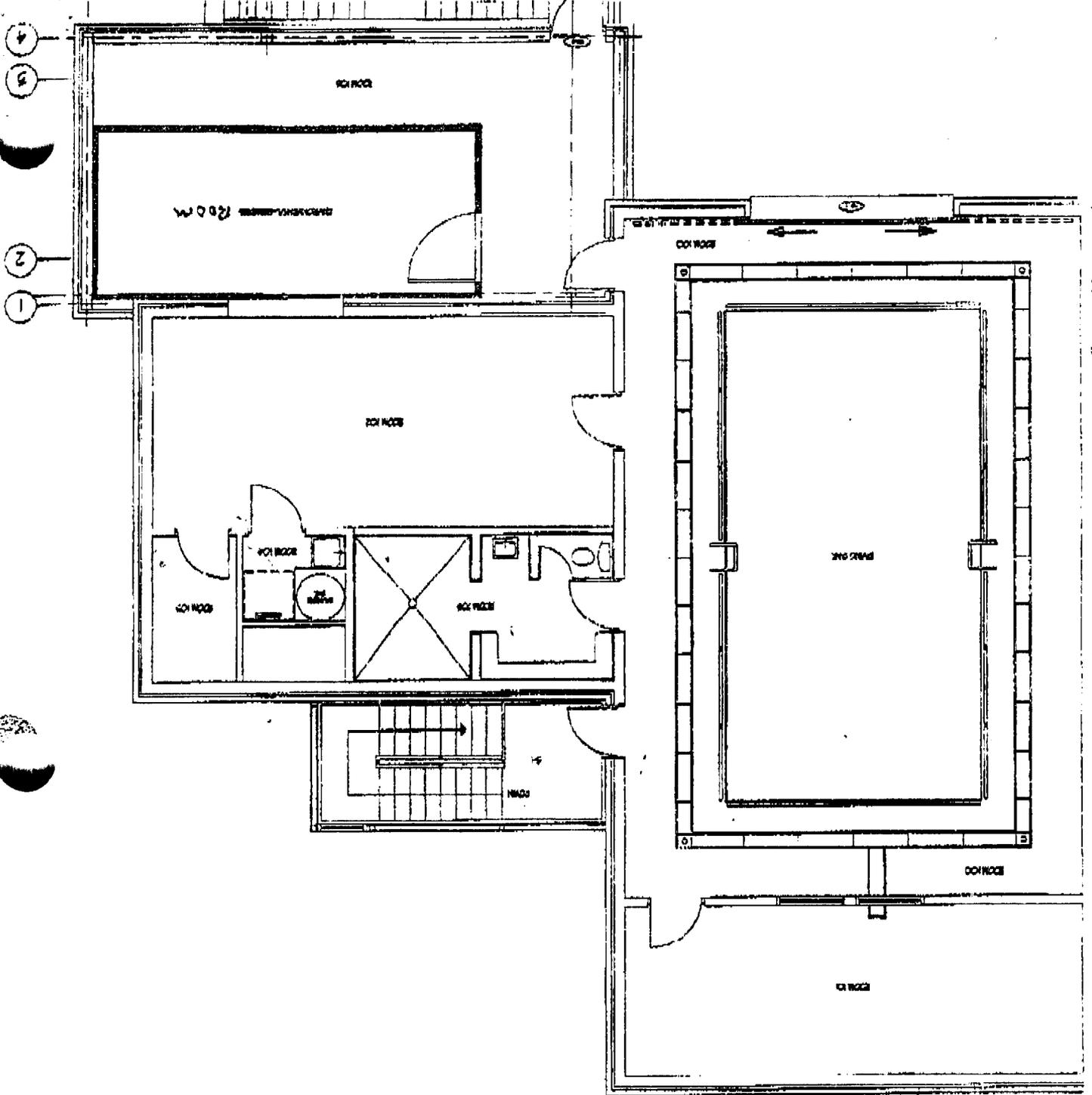
# BOTTLE FIELD ARRANGEMENT (GF)

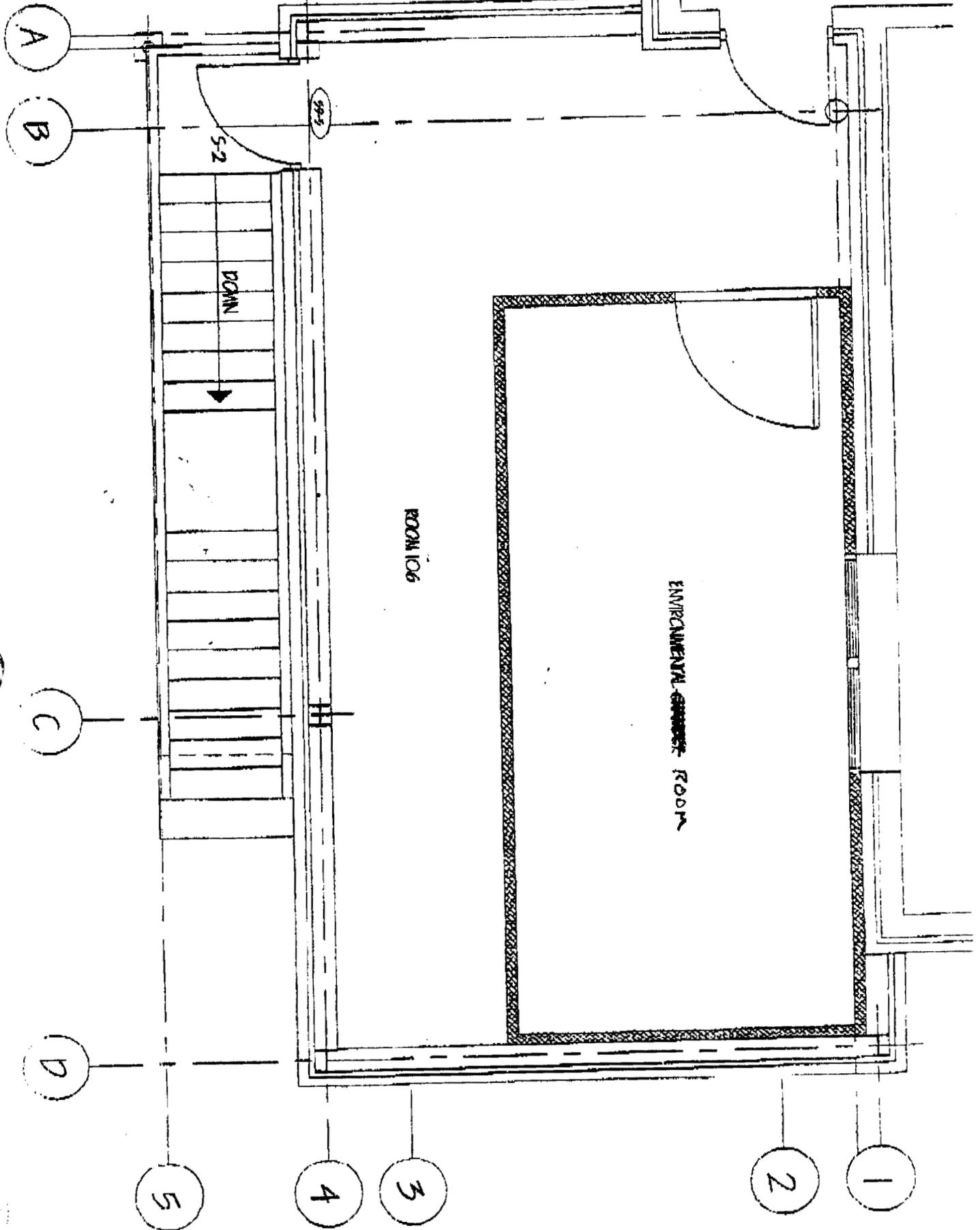
DWG. NO. C0225 SH. 3 OF 3 REV. "D" 3/10/94

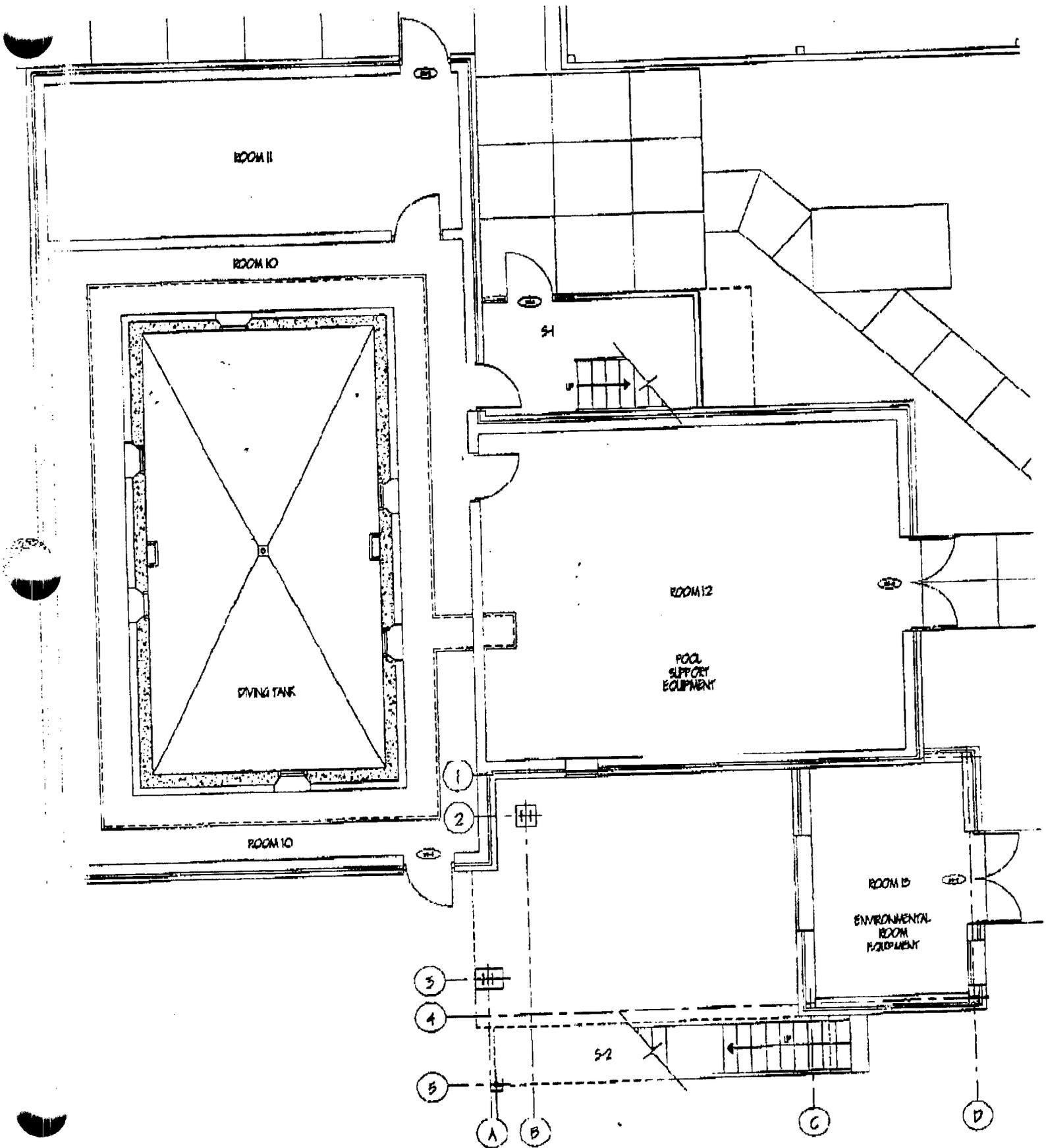
Bottle Dimensions: 25.8 CuFt - 22' x 18"  
 45.0 CuFt - 35' x 16"

GAS	BANK NO	MAX PRESS	NO OF FLASKS	CAPACITY IN CU. FT.	FV PER FLASK
OXYGEN	X-13	3,000 PSI	3	15,873 CU. FT.	25.8 CU. FT.
	X-14	3,000 PSI	3	15,873 CU. FT.	25.8 CU. FT.
AIR	Y-10	4,600 PSI	5	40,496 CU. FT.	25.8 CU. FT.
	Y-11	4,600 PSI	4	32,397 CU. FT.	25.8 CU. FT.
	Y-12	4,600 PSI	1	8,099 CU. FT.	25.8 CU. FT.
NITROGEN	GN-18	4,600 PSI	3	24,297 CU. FT.	25.8 CU. FT.
	GN-19	4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
HELIUM	H-13	4,600 PSI	6	48,595 CU. FT.	25.8 CU. FT.
	H-14	4,600 PSI	6	48,595 CU. FT.	25.8 CU. FT.
	H-15	4,600 PSI	6	48,595 CU. FT.	25.8 CU. FT.
	H-16	4,600 PSI	5	40,496 CU. FT.	25.8 CU. FT.
	H-18	4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
	MIXED GAS	B-10	4,600 PSI	8	64,794 CU. FT.
B-11		4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
B-12		4,600 PSI	4	32,396 CU. FT.	25.8 CU. FT.
B-13		4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
B-14		4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
B-15		4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
B-16		4,600 PSI	2	16,198 CU. FT.	25.8 CU. FT.
B-20		4,600 PSI	1	8,099 CU. FT.	25.8 CU. FT.
B-21		4,600 PSI	1	8,099 CU. FT.	25.8 CU. FT.
B-24		4,600 PSI	1	8,099 CU. FT.	25.8 CU. FT.
LAD HELIUM	LH	3,000 PSI	7	64,600 CU. FT.	45.0 CU. FT.
LAD AIR	LA	3,000 PSI	7	64,600 CU. FT.	45.0 CU. FT.











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

Technical Center Site	NAVAL MEDICAL RESEARCH INSTITUTE
Facility/Equipment Nomenclature or Title	Diving Research Facility, Hyperbaric Research System

1. The Diving Medicine Department is primarily responsible for providing guidance in developing basic and applied biomedical research programs in support of fleet diving operations and in providing the facilities required to support these programs. Additionally, the Diving Medicine Department will provide an environment for keeping assigned scientific and technical personnel informed of changing fleet needs, mission requirements, and technologies which may impact on research endeavors; will ensure that assigned personnel maintain their professional and technical credentials; and encourage individual and accelerated research initiatives. To this end, Diving Biomedical Technology provides hyperbaric operating services to Program Directors including, but not limited to: chamber operators and watchstanders; clinical and therapeutic hyperbaric services; training and certification of hyperbaric chamber operators; guidance in diving systems operations and system maintenance; mechanical, electronic, and civil engineering services; design maintenance, and repair services; and management and ADP support services when required.

2. Fixed (Installed as Class 3 plant property, then changed to Class 2)

- 3. Man-Rated Chamber Complex - \$20,000,000
  - Open Research Tank & Environmental Room - \$3,000,000
  - Treatment Chamber - \$1,750,000
  - Hydrogen Research Facility (Phase III) - \$2,800,000
  - Clean Room - \$365,000
  - Unmanned Research Systems - \$450,000

- 4. Man-Rated Chamber Complex w/support equipment - 485.2 Tons; 248,832 ft
  - Open Research Tank & Environmental Room - 68,037 ft
  - Treatment Chamber - 27 Tons; 25,200 ft
  - Hydrogen Research Facility (Phase III) - 45 Tons; 14,400 ft

TAB B  
Page \_\_\_\_ of \_\_\_\_  
UIC: \_\_\_\_\_

**ENCLOSURE ( )**

33,154 ft  
 Manned Research Systems - 40 Tons; 271,544 ft

Emergency Power for all life critical systems, this includes dual power feeders from utility substation, emergency diesel generator (450 Kw), and battery backup for basic life support. Two of the seven buildings (53 & 69) have independent ground loops as part of the foundation system to prevent electrical hazards which could result in electric shock, oxygen fires or hydrogen fires. One building (53) has steam supply to support the heating load of the Man-Rated Chamber Complex.

6. All chamber systems require special foundation for weight as well as a "floating slab" design for independent support of equipment to be isolated from piping, this design prevents vibration transmission through piping systems. The Man-Rated Chamber Complex foundation is designed on a center support floating structure to compensate for changes in weight and size as the pressure vessels are pressurized and de-pressurized. support piping systems are stainless steel, copper and monel for oxygen, breathing gas and high pressure gases. All research chambers, manned and unmanned, are manufactured from high yield, pressure vessel quality steel.

7. Heating, ventilation and air conditioning (HVAC) in all research areas, all laboratory areas must have single pass ventilation, HVAC must be sized for heat loads of research and support equipment. Certain areas require humidity control computers and research related equipment.

8. The facility is comprised of the aforementioned major research systems, these are supported by approximately 135 personnel housed in seven plus buildings. To relocate all or part of this facility could be accomplished at an approximate cost that would take about two years to recover in personnel savings, but only if relocation was to Coastal Systems Station Campus, Panama City, Florida. The facility is the only laboratory in existence dedicated to medical and physiological research in support of Navy's diving program and is one of the busiest hyperbaric research facilities in the world.

9. The facility was constructed under a Military Construction project that was completed in 1980. Other ancillary support facilities have been added as mission requirements expanded. The open research tank and environmental room were constructed as a research capability integral with the building. The building was constructed on specially designed foundations to support the loading of the open tank.

TAB B  
 Page \_\_\_ of \_\_\_  
 UIC: \_\_\_\_\_

- 10.3 Explosive Ordnance Disposal
- 10.2 Coastal/Special Warfare Support
- 10.4 Diving, Salvage and Ocean Engineering

11. The facility has produced an average of 456 manned research dives per year, ranging from 5 to 1000 feet seawater (FSW). The facility has also conducted an annual average of 520 unmanned research dives ranging from 25 FSW to 2250 FSW.
12. Utilization varies with requirements for specific research protocols, but it is anticipated that an average annual utilization similar to the utilization experienced over the previous 5 years is an accurate estimate.
13. Total of 135 personnel to operate and conduct research.
14. Total of 80 personnel, including 50 Navy Divers, to support and maintain the Hyperbaric Research Systems.

TAB B  
Page \_\_\_\_ of \_\_\_\_  
UIC: \_\_\_\_\_

Utilization for CY 1990 through CY 1994

Year	*Work Days Avail.	Days Diving	Hours Diving	Maint. Days	Maint. Hours	Total of Diving and Maint. (Days)	(Hours)	**Utilization
1990	253	95	1,714	182	1,456	277	3,170	109%
1991	251	64	882	196	1,568	260	2,450	103%
1992	252	35	840	219	1,752	254	2,592	100%
1993	251	134	3,164	142	1,136	276	4,300	110%
1994	250	114	1,540	156	1,248	270	2,796	108%

\*Work days Available excludes weekends and Holidays from the calendar year.

\*\*Compares total days of Diving and Maint. to the days available.

\*\*\*1992 included a 5 Month "Down" time for System Cleaning of contamination.

ENCLOSURE ( 5 )

Calendar Year 1994

Chamber Dives

		Sat.	Bounce	Training	Tx's	Tests	Pool Dives	Maint.	W.E./Holidays
01 Jan - 07 Jan	Maint/Leave							4	3
08 Jan - 10 Jan	Test Press/100' Off gas Test	3							
11 Jan - 12 Jan	Unmanned Training			2					
13 Jan	Training Dive (Bounce)			1					
14 Jan - 18 Jan	Maint.							3	2
19 Jan	Unmanned Training Dive			1					
20 Jan - 23 Jan	Maint.							2	2
24 Jan - 27 Jan	Unmanned Training Dive			4					
28 Jan - 30 Jan	Maint.							1	2
31 Jan - 03 Feb	Unmanned Training Dives			4					
04 Feb - 06 Feb	Maint.							1	2
07 Feb - 09 Feb	Unmanned Training Dive			3					
10 Feb - 15 Feb	Maint.							4	2
16 Feb	Training Dive (Bounce)			1					
17 Feb	450' Test Press					1			
18 Feb	Unmanned Training Dive			1					
19 Feb - 20 Feb	Maint.								2
21 Feb - 24 Feb	Acc. O2 Decomp.		4						
25 Feb - 27 Feb	Maint.							1	2
28 Feb - 03 Mar	Acc. O2 Decomp.		4						
04 Mar - 06 Mar	Maint.							1	2
07 Mar - 10 Mar	Acc. O2 Decomp.		4						
11 Mar - 13 Mar	Maint.							1	2
14 Mar - 17 Mar	Acc. O2 Decomp.		4						
18 Mar - 19 Mar	TX				2				
20 Mar	Maint.								1
21 Mar - 24 Mar	Acc. O2 Decomp.		4						
25 Mar	TX				1				
26 Mar - 03 Apr	Maint.							5	4
04 Apr - 07 Apr	Acc. O2 Decomp.		4						
08 Apr - 10 Apr	Maint.							1	2
11 Apr	Acc. O2 Decomp.		1						
12 Apr	TX				1				
13 Apr - 20 Apr	Maint.							6	2
21 Apr	Acc. O2 Decomp.		1						
22 Apr - 23 Apr	TX				2				
24 Apr - 01 May	Maint.							5	3
02 May - 04 May	Acc. O2 Decomp.		3						

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Calendar Year 1994

Chamber Dives

	Sat.	Bounce	Training	Tx's	Tests	Pool Dives	Maint.	W.E./Holidays
05 May - 06 May				2				
07 May - 08 May							2	
09 May - 12 May		4						2
13 May - 15 May							1	
16 May - 19 May		4						2
20 May - 26 May							5	
27 May - 30 May					4			
31 May - 02 Jun			3					
03 Jun - 26 Jun							16	8
13 Jun - 26 Jun						*14		
27 Jun - 06 Jul	10							
07 Jul - 19 Aug							32	12
20 Aug - 21 Aug								2
22 Aug - 25 Aug		4						
26 Aug - 28 Aug							1	2
29 Aug - 01 Sept		5						
02 Sept - 25 Sept							15	9
26 Sept - 28 Sept					3			
29 Sept - 03 Oct							3	2
04 Oct - 06 Oct		3						
07 Oct - 10 Oct							2	2
11 Oct - 13 Oct	3							
14 Oct - 31 Oct							13	4
01 Nov - 03 Nov					3			
04 Nov - 06 Nov							1	2
24 Oct - 06 Nov						*14		
07 Nov - 15 Nov	10							
16 Nov - 15 Dec							20	9
16 Dec - 31 Dec							10	6
<b>Total No. of Days per Category</b>	<b>26</b>	<b>49</b>	<b>20</b>	<b>8</b>	<b>11</b>	<b>*28</b>	<b>156</b>	<b>95</b>

\* Denotes Pool Dives. Pool dives occur consecutively w/ Maint. and other Ops.

301 295 1022 P. 19/49

JUN-03-1995 19:37

Calendar Year 1993

Chamber Dives

		Sat.	Bounce	Training	Tx's	Tests	Pool Dives	Maint.	W.E./Holidays
01 Jan - 06 Jan	Maint/Leave							3	3
07 Jan - 05 Mar	Acclimation Study (Pool Deck)						'59		
07 Jan - 24 Jan	Maint.							11	7
25 Jan - 28 Jan	22FSW Air Sat.	4							
29 Jan - 07 Feb	Maint.							6	4
08 Feb - 11 Feb	22FSW Air Sat.	4							
12 Feb - 21 Feb	Maint.							5	5
22 Feb - 25 Feb	22FSW Air Sat.	4							
26 Feb - 03 Mar	Maint.							4	2
04 Mar	Diver Cand. Press. Test					1			
05 Mar - 08 Mar	Maint.							2	2
09 Mar - 12 Mar	20FSW Air Sat.	4							
13 Mar - 14 Mar	Maint.								2
15 Mar - 18 Mar	20FSW Air Sat.	4							
19 Mar - 28 Mar	Maint.							6	4
29 Mar - 02 Apr	20FSW Air Sat.	5							
03 Apr - 25 Apr	Maint.							15	8
26 Apr - 29 Apr	20FSW Air Sat.	4							
30 Apr - 09 May	Maint.							6	4
10 May - 13 May	20FSW Air Sat.	4							
14 May - 22 Jun	Maint./Leave							27	13
23 Jun	Test Press					1			
24 Jun - 08 Jul	HBO TX				15				
09 Jul - 11 Jul	Maint.							1	2
12 Jul - 15 Jul	Test Press					4			
16 Jul - 19 Jul	Maint.							2	2
20 Jul - 21 Jul	Unmanned Training Dive			2					
22 Jul - 23 Jul	Diver Cand. Press. Test					2			
24 Jul - 25 Jul	Maint.								2
26 Jul	Off Gas Test					1			
27 Jul - 29 Jul	Training			3					
30 Jul - 01 Aug	Maint.							1	2
02 Aug - 09 Aug	200FSW HeO2 Sat (Training)			8					
10 Aug - 11 Aug	Maint.								2
12 Aug	Diver Cand. Press. Test					1			
13 Aug - 18 Aug	Maint.							4	2
19 Aug	Test Press					1			
20 Aug	Diver Cand. Press. Test					1			

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Calendar Year 1993

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	Chamber Dives					Pool Dives	Maint.	W.E./Holidays			
	Sat.	Bounce	Training	Tx's	Tests						
21 Aug								1			
22 Aug					1			2			
23 Aug - 29 Aug							5				
30 Aug - 27 Sept	29							6			
28 Sept - 16 Oct							13				
17 Oct - 20 Oct					4						
21 Oct - 15 Nov	26							2			
16 Nov - 21 Nov							4				
22 Nov					1			9			
23 Nov - 19 Dec							18	3			
20 Dec - 31 Dec							9				
<b>Total No. of Days per Category</b>	<b>88</b>	<b>0</b>	<b>13</b>	<b>15</b>	<b>18</b>	<b>0</b>	<b>*58</b>	<b>0</b>	<b>142</b>	<b>0</b>	<b>89</b>

\* Denotes Pool Dives. Pool dives occur consecutively w/ Maint. and other Ops.

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Calendar Year 1992

Chamber Dives

		Sat.	Bounce	Training	Tx's	Tests	Pool Dives	Maint.	W.E./Holidays		
01 Jan - 06 Jan	Main/Leave							4	2		
07 Jan - 18 Feb	Maint.							24	14		
19 Feb - 01 Mar	300FSW Sat.	12									
02 Mar - 30 Mar	Maint.							21	8		
31 Mar - 11 Apr	300FSW Sat.	12									
12 Apr - 20 Apr	Maint.							6	3		
21 Apr - 01 May	300FSW Sat.	11									
02 May - 31 Jul	Maint.							70	28		
01 Aug - 21 Dec	System Cleaning/Maint.							87	55		
22 Dec - 31 Dec	Maint./Leave							7	2		
Total No. of Days per Category		35	0	0	0	0	0	0	219	0	112

\* Additional Protocols occurring during 1992 supported by NMRI divers:

92-01 Feb -Apr 92

92-02 Feb -Apr 92

92-03 Apr -Jun 92

92-07 Oct - Dec 92

Chamber Dives

Date	Main/Leave	Sat.	Bounce	Training	Tx's	Tests	Pool Dives	Maint.	W.E./Holidays		
01 Jan - 06 Jan	Main/Leave							4	2		
07 Jan - 26 Feb	Maint.							35	16		
27 Feb - 28 Feb	150FSW Dive (Bounce)		2								
01 Mar - 03 Mar	Maint.										
04 Mar - 08 Mar	100FSW Dive (Bounce)		5					1	2		
09 Mar - 10 Mar	Maint.										
11 Mar - 14 Mar	100FSW Dive (Bounce)/TX		3		1				2		
15 Mar - 17 Mar	Maint.										
18 Mar - 20 Mar	100FSW Dive (Bounce)/TX		1		2			1	2		
21 Mar - 05 May	Maint.										
06 May - 08 May	150FSW Dive (Bounce)		3					32	14		
09 May	60FSW Dive (Bounce)		1								
10 May - 12 May	Maint.										
13 May - 16 May	60FSW Dive (Bounce)/TX		3		1			1	2		
17 May - 19 May	Maint.										
20 May - 21 May	60FSW Dive (Bounce)		2					1	2		
22 May - 23 May	100FSW Dive (Bounce)		2								
24 May - 27 May	Maint.										
28 May - 30 May	100FSW Dive (Bounce)		3					1	3		
31 May - 02 Jun	Maint.										
03 Jun - 05 Jun	150FSW Dive (Bounce)		3					1	2		
06 Jun - 03 Nov	Maint.										
04 Nov	Unmanned Training Dive			1				102	49		
05 Nov	Test Press										
06 Nov	150FSW Training Dive			1		1					
07 Nov	Test Press										
08 Nov	120FSW Training Dive			1		1					
09 Nov - 12 Nov	Off Gas Test					4					
13 Nov - 14 Nov	150FSW Training Dive			2				1	2		
15 Nov - 17 Nov	Maint.										
	30FSW Training Dive			1							
	10FSW Training Dive			1							
	300FSW Heo2 Sat.		18								
	TX				1						
	Maint.							10	4		
	Leave							6	3		
	vs per Category	18	28	7	5	6	0	0	196	0	105

Calendar Year 1990

Chamber Dives

		Sat.	Bounce	Training	Tx's	Tests	Pool Dives	Maint.	W.E./Holidays
01 Jan - 07 Jan	Maint/Leave							5	2
08 Jan - 05 Feb	Maint.							20	9
06 Feb - 05 Mar	1000FSW Sat.	28							
06 Mar - 23 Apr	Maint.							35	14
24 Apr - 21 May	1000FSW Sat.	28							
22 May - 08 Sept	Maint.							77	34
09 Sept - 12 Sept	20FSW Dive (Bounce)/Training			4					
13 Sept - 14 Sept	Surface Training			2					
15 Sept - 16 Sept	Maint.								2
17 Sept - 27 Sept	20FSW Dive (Bounce)/RP 90-05		11						
28 Sept - 30 Sept	Maint.							2	1
01 Oct - 05 Oct	20FSW Dive (Bounce)/RP 90-05		5						
06 Oct - 31 Oct	Maint.							17	9
01 Nov	300FSW Test Press					1			
02 Nov	20FSW Dive (Bounce)		1						
03 Nov - 05 Nov	Maint.							1	2
06 Nov	60FSW Sur "D" Air		1						
07 Nov	Maint.							1	
08 Nov	60FSW Sur "D" Air		1						
09 Nov - 12 Nov	Maint.							2	2
13 Nov	60FSW Sur "D" Air		1						
14 Nov	Maint.							1	
15 Nov - 16 Nov	60FSW Sur "D" Air		2						
17 Nov - 18 Nov	Maint.							2	
19 Nov	120FSW Sur "D" Air		1						
20 Nov - 25 Nov	Maint.							3	3
26 Nov - 27 Nov	60FSW Sur "D" Air		2						
28 Nov	Maint.							1	
29 Nov	60FSW Sur "D" Air								
30 Nov - 02 Dec	Maint.							1	2
03 Dec - 04 Dec	120FSW Sur "D" Air		2						
05 Dec	Maint.							1	
06 Dec	120FSW Sur "D" Air		1						
07 Dec - 09 Dec	Maint.							1	2
10 Dec - 11 Dec	120FSW Sur "D" Air		2						
12 Dec	Maint.							1	
13 Dec	120FSW Sur "D" Air		1						
14 Dec	50FSW Dive (Training)				1				

Calendar Year 1990

Chamber Dives

Period	Maint./Leave	Sat. Bounce	Training	Tx's	Tesis	Pool Dives	Maint	W E/Holidays
15 Dec - 22 Dec							5	2
23 Dec - 31 Dec							6	4
<b>Total No. of Days per Category</b>		56	31	7	0	1	0	0
							182	0
								88

TOTAL P. 010  
PAGE 001

## FAX TRANSMITTAL

TO: *Mr. J. Verallo*  
FROM: DR. JAMES VOROSMARTI  
(301) 762-6957

COVER PAGE PLUS 3

---

*Joe,*  
I did this in a hurry because of the  
mess of other business. I hope it helps  
some. The other info you requested should  
be arriving tomorrow or Monday

*Jim*

# Document Separator



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

LT-0780-F16  
BSAT/WC  
25 May 1995

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

5/71

Dear ADM

relocat  
Unit, P.  
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6/1  
Admin - Bureau  
Capt

As always,

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Attachment

ADM PELAEZ - CHIEF of NAVAL RESEARCH  
OFFICE of NAVAL RESEARCH  
703/696 4767

BALSTON Tower One

Security  
Hydrogen to water -  
replenishment -  
not ballast -  
Sill off

## RESPONSE TO DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION QUESTIONS CONCERNING NMRI BETHESDA, MD

The numerous points contained in the "letter and issue paper" can be distilled into several broad issues. These issues include: a lack of synergy at Panama City; failure to recognize program resources allocated to the diving program; loss of a new facility; ability to combine two sites; and issues regarding COBRA analysis. The following paragraphs and questions and answers constitute our position as it relates to these issues.

The Department of Navy (DoN) goal for BRAC-95 was to reduce its infrastructure to the minimum required to support the naval forces in 2001. In the case of technical centers, our goal was to also ensure retention of our ability to pursue and sustain essential technological efforts uniquely critical to naval operations while eliminating unnecessary infrastructure.

Naval Diving RDT&E is one of the Navy's unique areas of technology. Closure and realignment of NMRI supports this goal. When reviewing this technological area, the total Navy Diving RDT&E and Engineering infrastructure and requirements were considered. Some technical, economic, and performance advantages may be lost by separating NMRI's Diving Medicine Program from the site conducting Infectious Disease, Combat Casualty Care, and Operational Medicine Programs. However, technical, economic, and performance advantages are gained by collocating the Diving Medicine Program at the Navy's lead RDT&E activity for: Mine Countermeasures, Special Warfare, Amphibious Warfare, and Diving Systems. The closure of NMRI Bethesda will create efficiencies through the elimination of command and support infrastructure and consolidation of critical diving functions, and takes advantage of the comprehensive diver life support technical experts and specialized facilities of the collocated Coastal Systems Station (CSS), the Navy Experimental Diving Unit (NEDU), the Naval Diving and Salvage Training Center (NDSTC), EOD Group Two Detachment, and U.S. Marine Corps Combat Swimmer Team at Panama City, Florida. The estimated one-time cost to implement the total recommendation is \$3,366,000 with annual recurring savings after implementation of \$9,545,000 and a return on investment expected in one year. The 20 year net present value is a savings of \$111,020,000.

The Diving/Special Warfare Life Support Complex at Panama City is a group of specialized facilities that includes a Hydrospace Laboratory, Chemical Analysis Laboratory, Deep Submergence Life Support Facility, Experimental Dive Facility, Ocean Simulation Facility, and the Naval Diving and Salvage Training Center facilities. These special facilities have been designed and built for subjecting diving equipment (including some highly classified systems) to the worst anticipated simulated environmental conditions prior to placing a man-in-the-

loop and prior to introduction of the equipment into the Fleet. The man-rated hyperbaric facilities (wet and dry), breathing simulation systems, computers for data acquisition and control of these systems, and medical monitoring equipment provide the required testing capabilities of diver life support equipments. Specific life support products and technologies include underwater and contaminated atmospheres breathing equipment, diving physiology, Navy diving procedures and operations, thermal protection, hyperbaric systems, manned and unmanned hyperbaric testing, decompression techniques and applications, gas dynamics and chemistry, chemical oxygen generation and carbon dioxide absorption. Both the Diving Medicine Program at NMRI, which is primarily responsible for conducting basic and applied biomedical research programs in support of fleet diving operations, and the Navy's Diving /Special Warfare Life Support Programs at Panama City which are focused on RDT&E, Acquisition Support and In-Service Engineering of diving and combat swimmer life support systems, are critical and essential to Navy Diving and must work in tandem to extend the operational capabilities and solve diving operational problems of the Fleet. Collocation of these critical Navy Diving Programs which utilize similar high maintenance cost facilities will further the creation of a Diving Technology Center of Excellence and ensure that in a climate of declining Defense resources, the necessary critical mass of scientists and engineers are maintained to foster innovative, cutting edge thinking. The combined programs and specialized facilities, which would be unparalleled by any in the world, will serve as a recruitment incentive beyond that which we have today. Further, the integration of Diving Systems into Mine Countermeasures, Special Warfare, and Amphibious Warfare RDT&E Programs are significantly enhanced with the collocation at the Coastal Systems Station (Host), Panama City which is the Navy's lead Activity for these RDT&E areas.

There is no question as to the importance of the diving medical research to the Navy and the growing interest in littoral warfare. The relocation of functions to Panama does not destroy a national asset as alluded, but rather combines activities, thus building a stronger resource that is collocated with the Navy's lead RDT&E activity for programs impacting on littoral warfare.

The concern that combining the two sites, may overload the Panama City facility, can be addressed as a resource management issue. The number of personnel relocating to Panama City was coordinated between the two sites to ensure that the numbers and type of personnel and equipment to perform the necessary functions would be available. It should be noted that this review indicated that very little equipment would need to be relocated to Panama City to accommodate this consolidation.

Finally, it is important to note that some of the issues raised concern the previously made decision to collocate some NMRI functions with the Walter Reed Army Institute of Research.

This is a decision which was made independent of the BRAC process, as a result of an on-going initiative by the Armed Services Biomedical Research, Evaluation and Management Committee. Any issues regarding this initiative are outside the purview of the BRAC-95 process.

The following points address the specific concerns raised regarding the NMRI COBRA analysis.

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A1. All MILCON costs presented in the final certified data call response for this scenario were included in the COBRA analysis. The BRAC-95 implementation planning and budgetary process is in a very preliminary stage. The "attached Navy document" (memorandum dated 1 May 95) is a preliminary budget document that has not yet been reviewed by the chain of command or Comptroller of the Navy. It would be premature to comment on a draft budget document, however, it is noted that some of the costs shown as MILCON in the estimate, e.g. administrative equipment are addressed as moving costs in the COBRA algorithms.

*Sounds right.*

Q2. The Navy's pro rata share of the \$140 M Walter Reed MILCON at Forest Glen was omitted from the COBRA analysis. (Construction of this new facility has not yet begun.) The scope of the MILCON could be reduced if the Navy component were removed. The Navy's pro rate share of the MILCON therefore represents a legitimate cost of the realignment.

A2. The decision to relocate some NMRI functions to the new Forest Glen facility was made independent of the BRAC process, as a result of an ongoing consolidation initiative by the Armed Services Biomedical Research, Evaluation and Management Committee. Consequently the cost of this construction is not attributable to the closure of NMRI. Construction of this new facility has already begun, and the ability to recoup any MILCON costs by not transferring NMRI functions to this consolidated facility are both speculative and would involve a change in an existing policy decision, independent of the base closure action.

*Agree*

Q3. The Screen Four data in the official Navy COBRA indicate that 43,000+ are employed at Walter Reed. This figure seems extremely high.

A3. As noted above, this action will take place regardless of whether NMRI closes. For the purposes of tracking personnel involved in the NMRI scenario, we identified these personnel as relocating to a notional gaining base (with average Navy cost and personnel data), labeled as "Walter Reed". This was a conservative approach in estimating savings associated with the

*BASE X*

*- cert. final report  
not forming for other scenario  
- certain figures → base X  
no updates*

Not sure I understand this answer.

with NMRI closure, since the freight costs included for this move will be incurred regardless of whether NMRI closes. ?

Q4. The net savings associated with Base Operating Support (BOS) and Real Property Maintenance (RPMA) costs appear overestimated.

A4. Our analysis correctly counts RPMA and BOS savings associated with NMRI as a savings. These savings reflect the costs of operation which are no longer required once the NMRI facilities are vacated and personnel move or are eliminated. No RPMA cost increases are calculated at Walter Reed since no additional construction beyond the already ongoing MILCON project is required. COBRA algorithms do not calculate any RPMA increases at Panama City, since no new facilities are built there. Projected BOS increases are calculated for the movement of personnel to Panama City, using standard COBRA algorithms and reflecting current costs of operation in Panama City. Our analysis also includes a notional BOS increase at Walter Reed, based on notional "average" bases costs. It should be noted that the BOS cost increase at Walter Reed is, in fact, an overstatement of costs associated with this action, since this relocation is an already planned action outside of the BRAC process. *correct*

Q5. The COBRA analysis does not provide for the cost of conversion of existing NMRI spaces for new uses or for the cost of operating these facilities. *True*

A5. This is a true statement; DoD COBRA analyses do not contain estimates of costs or savings attributable to the reuse of facilities vacated as a result of a base closure action. *True*

Q6. The COBRA analysis mistakenly assumes that NEDU has the capacity to receive the manned diving program with only a \$200 K expenditure to renovate existing spaces. The cost of upgrading the open tank facility to accommodate the NMRI mission alone is estimated at \$400 K. Provision of additional manned-rated hyperbaric facilities to accommodate NMRI's mission without degradation is estimated at \$4 M.

A6. Our COBRA analysis includes all of the construction costs required to support functions transferred to Panama City, as identified in the NMRI certified Scenario Development Data Call response. As noted in that response, this transfer only requires \$200 K in rehabilitation of existing facilities. As noted in response to question #1, the \$4 M figure cited reflects a preliminary, unscrubbed budget estimate. *Budget data may differ*

Q7. The NMRI diving medicine program has a modern physical plant (both buildings and equipment) with a current value in excess of \$42 M. The remaining life span of these assets exceeds 30 years. The economic loss of writing off these facilities was not considered in the COBRA analysis. *However, seems like some of the cost should be there.*

A7. The cost of existing facilities is a sunk cost to the Department, and as such, is not included in COBRA analysis. The BRAC process is intended to help us shed excess infrastructure which is no longer required. Sometimes this involves the shutdown of capable, existing facilities. However, by shutting down these facilities, we are able to eliminate the costs of continued maintenance and operation of this excess capacity.

*Absolutely agree.*



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

LT-0780-F16  
BSAT/WC  
25 May 1995

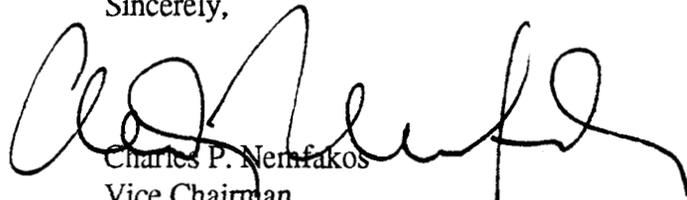
The Honorable Alan J. Dixon  
Chairman, Defense Base Closure  
and Realignment Commission  
1700 North Moore Street  
Suite 1425  
Arlington, VA 22209

Dear Chairman Dixon:

The response to questions asked by Mr. Alex Yellin on May 23, 1995, concerning the relocation of the Naval Medical Research Institute, Bethesda, to the Naval Experimental Diving Unit, Panama City, 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

Attachment

RESPONSE TO DEFENSE BASE CLOSURE AND REALIGNMENT  
COMMISSION QUESTIONS CONCERNING NMRI BETHESDA, MD

The numerous points contained in the "letter and issue paper" can be distilled into several broad issues. These issues include: a lack of synergy at Panama City; failure to recognize program resources allocated to the diving program; loss of a new facility; ability to combine two sites; and issues regarding COBRA analysis. The following paragraphs and questions and answers constitute our position as it relates to these issues.

The Department of Navy (DoN) goal for BRAC-95 was to reduce its infrastructure to the minimum required to support the naval forces in 2001. In the case of technical centers, our goal was to also ensure retention of our ability to pursue and sustain essential technological efforts uniquely critical to naval operations while eliminating unnecessary infrastructure.

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# FAX

SENT (initials) Modern  
**Date** TUESDAY 23 MAY 95

*Number of pages including cover sheet*

**TO:** MR. CHARLES NEMFAKOS  
  
Executive Director, BSAT

**Phone** 703-681-0450  
**Fax Phone** 703-756-2174

**FROM:** Alex Yellin  
Review and Analysis-Navy Team  
Defense Base Closure and Realignment Commission  
1700 N. Moore St., Suite 1425  
Arlington, VA 22209

**Phone** 703-696-0504  
**Fax Phone** 703-696-0550

**CC:**

**REMARKS:**  Urgent  For your review  Reply ASAP  Please Comment

**SUBJ:** DoD PROPOSAL TO MOVE Naval Medical Research Institute, Bethesda

Mr. Nemfakos:

1. A group of concerned diving scientists presented the Commission with a Navy document (attached #1) that challenges many of the figures presented by DoD in its recommendation to move the Behnke Diving Facility from NMRI to NEDU, FL. Please provide us with your assessment of these costs and the reasons they deviate from the official Navy COBRA data.
2. The Screen Four data in the official Navy COBRA indicate that 43,000+ are employed at Walter Reed. This figure seems extremely high. Please provide the rationale and the source of these data, even if they were provided by the Army.
3. Please provide your comments to the each of the points in the attached letter and issue paper. (attached #2).

We would appreciate your responses by Friday, 26 May 95. Should this date not be possible, please let us know.

The Commission contact is Joe Varallo of the Cross Service Team, 696 0504, X 178

*Joe Varallo for A. Yellin*

DEPARTMENT OF THE NAVY  
NAVAL MEDICAL RESEARCH INSTITUTE  
8901 WISCONSIN AVENUE  
BETHESDA, MARYLAND 20889-5607

FAX NUMBER (301) 295-2720

FAX COVER SHEET

NUMBER OF PAGES FOLLOWING THIS PAGE: 2

0900

DATE: 5/3/95

TIME: 11:30

AM PM

FAXED TO: Joe Varallo / BRAC  
(Organization)

ATTENTION: \_\_\_\_\_

FAX/NUMBER: 703-696-0550

RECIPIENT'S PHONE NUMBER: 703-696-0504

FROM: Capt Walter

PHONE NUMBER: 301-295-0021

SUBJ: BRAC Meeting 5/3 at NMBI

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE OF PERSON SENDING FAX: Mary [Signature]

## NAVAL MEDICAL RESEARCH INSTITUTE

12 MAY 1995

0900	OVERVIEW	BLDG 17	CAPT WALTER
0915	DIVING MEDICINE	BLDG 53	DR. HOMER DR. HARABIN DR. VOROSMARTI MR. CHANDLER
1015	BONE MARROW	BLDG 17	CAPT HARTZMAN
1045	INFECTIOUS DISEASE	BLDG 17	DR. HAYES
1115	IMMUNE CELL BIOLOGY	TOWER	CDR HARLAN

TOUR AND PRESENTATIONS TO BE COMPLETED BY 1230 P.M.

REVISED SCHEDULE 5/10/95





# NMRI Diving Research Program

- ◆ Only diving research facility *in world* with lab to animal to human research transition
- ◆ Research and development laboratory

Little  
TTE

# **NMRI Diving Research Program Sponsors**

---

- ◆ **Naval Medical Research and Development  
Command**
- ◆ **Office of Naval Research**
- ◆ **Chief of Naval Operations - N 873 \*\***
- ◆ **Reimbursables**
  - » **SOCOM**
  - » **EOD**

# NMRI Diving Research Program Goals

- ◆ Investigate impact of pressure, gases, immersion, and temperature on ability of *FLEET DIVERS* to carry out missions
- ◆ Develop means to improve mission effectiveness and respond quickly to medical questions\*
  - » DECOMPRESSION - *Handbook / tables*
  - » OXYGEN TOXCITY =
  - » DIVER HEALTH & SAFETY -

# NMRI Diving Research Program Manpower

*Synergy*

## Ph.D. - MD

- Military - 10 (MC and MSC)
- Civilian - 9 (Physiologists, Engineers, Chemists)
- Contract - 11 (Mathematicians, Biologists, Chemists)

## Technical Support

- Enlisted Military - 8 (ET's, lab techs) + 40 divers
  - Officers - 2
  - Civilian - 26 (Lab techs, Engineers, Computer, Admin)
  - Contract - 10 (Computer, Math, Lab Techs, Chemists)
- Total = 116

# NMRI Diving Research Program Facilities

- ◆ Man-rated chamber complex (1250 fsw) with wet-pot; Environmental chamber (w/wind), Research pool
- ◆ Gas analysis & Scientific research labs
- ◆ Animal hyperbaric research facilities
  - ◆ All sizes, bounce, saturation
  - ◆ Oxygen, *Hydrogen*, Helium, Air
- ◆ Complete technical support
  - ◆ Shops (weld, machine, electrical, design)
  - ◆ Computer (scientific, technical)

*Geertz  
Contractor*

# NMRI Diving Research Program Accomplishments

- ◆ Scientifically based decompression procedures - Manual, UDM (Patent, real time)~
- ◆ Shorten decompression procedures (O<sub>2</sub>)
- ◆ Animal models - *NEW* approaches to eliminate expensive human trials, reduce risk
- ◆ Identified contaminant discovered in fleet operations - devised solution for safety
- ◆ Investigated physiological impact of drugs for Desert Storm

# NMRI Diving Research Program Summary

- ◆ Only diving research facility *in world* with lab to animal to human research transition
- ◆ Long track record, international recognition
- ◆ Flexible, fast response - unique facilities
- ◆ Working divers, medical officers with scientists
- ◆ Active collaborations in DC area







LINDERBERG AND HYPERBARIC  
MEDICAL SOCIETY

LEON J. GREENBAUM, JR., Ph.D.  
Executive Director

10531 Metropolitan Ave.  
Kensington, MD 20895

Phone  
(301) 942-2980  
Fax (301) 942-7804



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

APR 12 1995

The Honorable Constance A. Morella  
51 Monroe Street, Suite 507  
Rockville, MD 20850

Dear Ms. Morella:

This is in response to your letter of March 24, 1995, to the Department of the Navy's House Liaison Office, forwarding correspondence from a constituent, Dr. Andrea L. Harabin, concerning the Naval Medical Research Institute (NMRI), Bethesda, Maryland.

The Department of the Navy's 1995 base realignment and closure recommendations were developed following a careful, in-depth, and objective review based on criteria the Secretary of Defense established and consistent with a smaller force structure. Our recommendation to close the NMRI achieves both a reduction in excess capacity and a cost savings by eliminating a redundant capability in the area of diving research, and is consistent with the Armed Services Biomedical Research, Evaluation and Management Committee's efforts to consolidate medical research and development.

Assumption by the Experimental Diving Unit in Panama City, Florida, of that portion of NMRI's workload performed in its manned diving facility through transfer of only required personnel, consolidates personnel resources and eliminates redundant equipment capabilities without requiring new construction. The recommendation to close and realign other portions of NMRI's workload to the Walter Reed Army Institute for Research at Forest Glen, Maryland, achieves a principal objective of the Department of Defense' joint servicing initiative and collocates medical research with the Army. The relocation of the nonhuman diving functions to Forest Glen and not to Panama City, with other dive functions, was an alternative the NMRI proposed in response to a scenario data call. The facility designated to house the tri-service consolidation of medical research and development at Forest Glen is a new construction project (for which funds have already been programmed and budgeted) but does not replicate Navy diving related "major features."

The Department of Defense's 1995 base realignment and closure recommendations represent our best judgment as to the infrastructure alignment most suitable to meet the future requirements of our operational forces. You may rest assured that should the recommendation to close the NMRI be approved, we will not allow accomplishment of the medical research mission to be degraded in its implementation.

I trust the foregoing satisfactorily addresses Dr. Harabin's concerns. As always, if I can be of any further assistance, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Cheryl Kandaras". The signature is fluid and connected, with a prominent loop at the end of the last name.

CHERYL KANDARAS  
Acting

National Aeronautics and  
Space Administration

**Lyndon B. Johnson Space Center**  
2101 NASA Road 1  
Houston, Texas 77058-3696



Reply to Attn of SD5-95-696

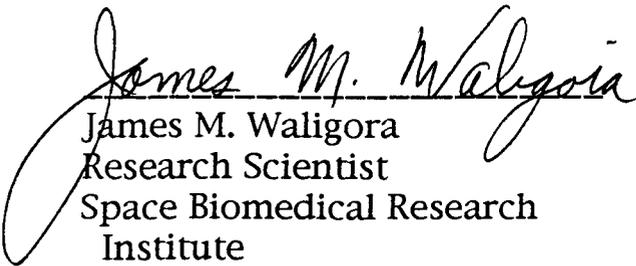
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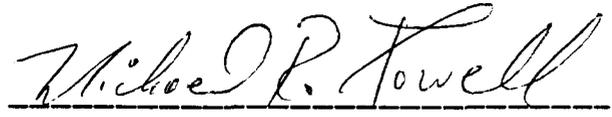
Leon J. Greenbaum Jr., Ph.D.  
Executive Director  
Undersea and Hyperbaric Medical Society  
10531 Metropolitan Avenue  
Kensington, MD 20895

Dear Dr. Greenbaum:

We were disturbed to hear that budget considerations may lead to the closing of the Behnke Diving Facility at the Naval Medical Research Institute in Bethesda. The research conducted in that facility has been of great assistance to NASA in contributing to the knowledge of the etiology of decompression sickness, and more specifically providing the basis for the diving tables and the operational limitations that are so important to us in the safe conduct of water immersion pressure suit training at the Johnson Space Center, and at other NASA Centers. We fear that closure of such critical operational research laboratories such as this will be a detriment to exploration and utilization of both the undersea and space environments.

Sincerely,

  
James M. Waligora  
Research Scientist  
Space Biomedical Research  
Institute

  
Michael R. Powell, Ph.D.  
Research Scientist  
Space Biomedical Research  
Institute

Dr. YEHUDA MELAMED

HYPERBARIC MEDICINE

HYPERBARIC MEDICINE  
A DIVER SPECIALIST

EIN MOD 30890, 15 MEL

TEL. 972-4-984211

FAX. 972-4-9841133

May 3, 1995

Dr. Leon Greenbaum  
Executive Director  
Undersea and Hyperbaric Medical Society  
10531 Metropolitan Ave  
Kensington MD 20895-2627

Dear Dr. Greenbaum,

I decided to write this letter after I heard about the plan of the Base Realignment and Closure Commission to separate human capability from animal research in Bethesda MD.

Having been acquainted with activities of the Naval Medical Research Institute for many years as head of the Israel Naval Medical Institute, I feel it would be a great loss for diving medical research both in the United States and in the international professional community.

As I remember the Naval Institute in Bethesda is equipped with unique facility, which enables it to conduct a multidisciplinary research both basic and applied, combining animal and human studies.

I think that this unique facility, its capabilities and its location all serve to attract first class basic and applied scientists, who apply for and receive grants from external sources in addition to the Navy's diving research budget.

The special combination of sophisticated skilled and experienced research and technical staff enables a quick response for operational medical problems.

The location of the Institute in Bethesda enables it to maintain a close and productive relationship with academic world, such as the NIH and other distinguished universities. It is impossible to imagine the present achievement of NMRI and its excellence in research without active participation in seminars, lectures and multi-faced collaboration with academic institutions.

I would be grateful if you would pass on my comments to the relevant authorities in an attempt to prevent these most dangerous steps.

Yours Sincerely,

*Yehuda Melamed*

Yehuda Melamed, M.D.

Captain, Israel Navy (Res.)

Former Director,

Israel Naval Medical Institute.

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950424-15

FROM: <del>MIKULSKI</del> MIKULSKI, BARBARA	TO: DIXON
TITLE: SENATOR (MD)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: NAVAL MEDICAL RESEARCH INSTITUTE	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE	✓		
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER		X	
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

<input checked="" type="checkbox"/> Prepare Reply for Chairman's Signature	<input type="checkbox"/> Prepare Reply for Commissioner's Signature
<input type="checkbox"/> Prepare Reply for Staff Director's Signature	<input type="checkbox"/> Prepare Direct Response
<input checked="" type="checkbox"/> ACTION: Offer Comments and/or Suggestions	<input checked="" type="checkbox"/> FYI

Subject/Remarks:

EXPRESSING CONCERN OVER MOVING THE MANNED DIVING RESEARCH FROM THE NAVAL MEDICAL RESEARCH INSTITUTE TO PANAMA, CITY.

Due Date: 950426

Routing Date: 950424

Date Originated: 950418

Mail Date:

# United States Senate

WASHINGTON, DC 20510-2002

April 18, 1995

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

Dear Mr. Chairman:

We are writing to bring to the Commission's attention some serious concerns which have been raised about the proposed closing of the Naval Medical Research Institute (NMRI) in Bethesda, Maryland.

As you know, in its March 1995 Base Closure and Realignment Report to the Commission, DoD recommended closing NMRI, Bethesda, Maryland and relocating the Infectious Diseases, Combat Casualty Care and Operational Medicine programs out of inadequate and substandard lab space to the new Walter Reed Army Institute for Research at Forest Glen, Maryland. We fully support this decision and believe that collocating medical research in these areas with the Army makes sense. However, DoD also proposed splitting NMRI's current diving medical research program, moving the "manned diving" research component to Panama City, Florida while retaining the animal research component at Forest Glen. As one of the senior research scientists at NMRI points out in the enclosed letter, this proposal would disrupt "one of the truly integrated (from basic to applied) programs in existence in the world." This view is also supported by R.A. Riddell, Head of the Deep Submergence Branch for the Navy, who raises serious concerns in the BRAC data calls regarding the adequacy of existing facilities, staffing, and operation and maintenance funding at Panama City to support the additional requirements of "manned diving" research.

We urge the Commission to look into this matter and also request that a member of the Commission or staff visit the facility to see firsthand the issues and concerns which have been raised.

Sincerely,



Barbara A. Mikulski  
United States Senator



Paul S. Sarbanes  
United States Senator



Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

*Naval Medical Research Institute,  
 Bethesda, MD*

Starting Year : 1996  
 Final Year : 1999  
 ROI Year : 2000 (1 Year) S

NPV in 2015(\$K): -111,020  
 1-Time Cost(\$K): 3,366

Net Costs (\$K)	Constant Dollars		1998	1999	2000	2001	Total	Beyond
	1996	1997						
MilCon	16	0	183	0	0	0	200	0
Person	0	0	0	-1,439	-3,325	-3,325	-8,090	-3,325
Overhd	608	456	342	-1,115	-6,220	-6,220	-12,148	-6,220
Moving	0	0	0	1,001	0	0	1,001	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>625</b>	<b>456</b>	<b>526</b>	<b>-1,552</b>	<b>-9,545</b>	<b>-9,545</b>	<b>-19,036</b>	<b>-9,545</b>
	1996	1997	1998	1999	2000	2001	Total	
<b>POSITIONS ELIMINATED</b>								
Off	0	0	0	8	0	0	8	
Enl	0	0	0	41	0	0	41	
Civ	0	0	0	27	0	0	27	
TOT	0	0	0	76	0	0	76	
<b>POSITIONS REALIGNED</b>								
Off	0	0	0	48	0	0	48	
Enl	0	0	0	119	0	0	119	
Stu	0	0	0	0	0	0	0	
Civ	0	0	0	166	0	0	166	
TOT	0	0	0	333	0	0	333	

Summary:  
 -----

SCENARIO 48A

*I've taken a quick look at this and  
 it looks OK to me.*

*Bob*

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N950M.SFF

Costs (\$K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
	----	----	----	----	----	----	----	----
MilCon	16	0	183	0	0	0	200	0
Person	0	0	0	1,218	1,005	1,005	3,229	1,005
Overhd	608	456	342	898	391	391	3,087	391
Moving	0	0	0	1,039	0	0	1,039	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>625</b>	<b>456</b>	<b>526</b>	<b>3,155</b>	<b>1,396</b>	<b>1,396</b>	<b>7,555</b>	<b>1,396</b>

Savings (\$K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
	----	----	----	----	----	----	----	----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	2,657	4,331	4,331	11,319	4,331
Overhd	0	0	0	2,013	6,611	6,611	15,235	6,611
Moving	0	0	0	38	0	0	38	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,708</b>	<b>10,942</b>	<b>10,942</b>	<b>26,591</b>	<b>10,942</b>

NET PRESENT VALUES REPORT (COBRA v5.08)  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
1996	624,914	616,494	616,494
1997	456,300	438,104	1,054,599
1998	525,711	491,239	1,545,838
1999	-1,552,585	-1,411,949	133,889
2000	-9,545,418	-8,448,443	-8,314,554
2001	-9,545,418	-8,222,329	-16,536,884
2002	-9,545,418	-8,002,267	-24,539,151
2003	-9,545,418	-7,788,094	-32,327,245
2004	-9,545,418	-7,579,654	-39,906,899
2005	-9,545,418	-7,376,792	-47,283,691
2006	-9,545,418	-7,179,360	-54,463,051
2007	-9,545,418	-6,987,211	-61,450,263
2008	-9,545,418	-6,800,206	-68,250,468
2009	-9,545,418	-6,618,205	-74,868,673
2010	-9,545,418	-6,441,075	-81,309,749
2011	-9,545,418	-6,268,687	-87,578,436
2012	-9,545,418	-6,100,912	-93,679,347
2013	-9,545,418	-5,937,627	-99,616,974
2014	-9,545,418	-5,778,712	-105,395,687
2015	-9,545,418	-5,624,051	-111,019,737

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

(All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	200,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>200,000</b>
<b>Personnel</b>		
Civilian RIF	79,290	
Civilian Early Retirement	27,446	
Civilian New Hires	0	
Eliminated Military PCS	93,739	
Unemployment	12,528	
<b>Total - Personnel</b>		<b>213,004</b>
<b>Overhead</b>		
Program Planning Support	1,663,594	
Mothball / Shutdown	250,000	
<b>Total - Overhead</b>		<b>1,913,594</b>
<b>Moving</b>		
Civilian Moving	514,469	
Civilian PPS	230,400	
Military Moving	183,870	
Freight	110,574	
One-Time Moving Costs	0	
<b>Total - Moving</b>		<b>1,039,313</b>
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
<b>Total - Other</b>		<b>0</b>
<b>Total One-Time Costs</b>		<b>3,365,910</b>
-----		
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	37,901	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>37,901</b>
-----		
<b>Total Net One-Time Costs</b>		<b>3,328,009</b>

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N950M.SFF

Base: NMRI BETHESDA, MD  
 (All values in Dollars)

Category	Cost	Sub-Total
<b>Construction</b>		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>0</b>
<b>Personnel</b>		
Civilian RIF	79,290	
Civilian Early Retirement	27,446	
Civilian New Hires	0	
Eliminated Military PCS	93,739	
Unemployment	12,528	
<b>Total - Personnel</b>		<b>213,004</b>
<b>Overhead</b>		
Program Planning Support	1,663,594	
Mothball / Shutdown	250,000	
<b>Total - Overhead</b>		<b>1,913,594</b>
<b>Moving</b>		
Civilian Moving	514,469	
Civilian PPS	230,400	
Military Moving	183,870	
Freight	110,574	
One-Time Moving Costs	0	
<b>Total - Moving</b>		<b>1,039,313</b>
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
<b>Total - Other</b>		<b>0</b>
<b>Total One-Time Costs</b>		<b>3,165,910</b>
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	37,901	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>37,901</b>
<b>Total Net One-Time Costs</b>		<b>3,128,009</b>

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NSWC PANAMA CITY, FL  
 (All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	200,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		200,000
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	0	
Total - Other		0
Total One-Time Costs		200,000
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		200,000

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WALTER REED, MD  
 (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	0	
Total - Other		0
-----		
Total One-Time Costs		0
-----		
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		0

Department : NAVY  
Option Package : NAMRI OPT A  
Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

All Costs in \$K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NMRI BETHESDA	0	0	0	0	0
NSWC PANAMA CITY	200	0	0	0	200
WALTER REED	0	0	0	0	0
Totals:	200	0	0	0	200

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

MilCon for Base: NSWC PANAMA CITY, FL

All Costs in \$K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
RDT&E FACILITIES	RDT&E	0	n/a	0	n/a	200
Total Construction Cost:						200
+ Info Management Account:						0
+ Land Purchases:						0
- Construction Cost Avoid:						0
TOTAL:						200

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

PERSONNEL SUMMARY FOR: NMRI BETHESDA, MD

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

Officers	Enlisted	Students	Civilians
56	160	0	193

PERSONNEL REALIGNMENTS:

To Base: NSWC PANAMA CITY, FL

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	7	0	0	7
Enlisted	0	0	0	35	0	0	35
Students	0	0	0	0	0	0	0
Civilians	0	0	0	28	0	0	28
TOTAL	0	0	0	70	0	0	70

To Base: WALTER REED, MD

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	41	0	0	41
Enlisted	0	0	0	84	0	0	84
Students	0	0	0	0	0	0	0
Civilians	0	0	0	138	0	0	138
TOTAL	0	0	0	263	0	0	263

TOTAL PERSONNEL REALIGNMENTS (Out of NMRI BETHESDA, MD):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	48	0	0	48
Enlisted	0	0	0	119	0	0	119
Students	0	0	0	0	0	0	0
Civilians	0	0	0	166	0	0	166
TOTAL	0	0	0	333	0	0	333

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	-8	0	0	-8
Enlisted	0	0	0	-41	0	0	-41
Civilians	0	0	0	-27	0	0	-27
TOTAL	0	0	0	-76	0	0	-76

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: NSWC PANAMA CITY, FL

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

Officers	Enlisted	Students	Civilians
48	346	13	1,357

PERSONNEL REALIGNMENTS:

From Base: NMRI BETHESDA, MD

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	7	0	0	7
Enlisted	0	0	0	35	0	0	35
Students	0	0	0	0	0	0	0
Civilians	0	0	0	28	0	0	28
TOTAL	0	0	0	70	0	0	70

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

TOTAL PERSONNEL REALIGNMENTS (Into NSWC PANAMA CITY, FL):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	7	0	0	7
Enlisted	0	0	0	35	0	0	35
Students	0	0	0	0	0	0	0
Civilians	0	0	0	28	0	0	28
TOTAL	0	0	0	70	0	0	70

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
55	381	13	1,385

PERSONNEL SUMMARY FOR: WALTER REED, MD

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

Officers	Enlisted	Students	Civilians
2,787	37,589	78	3,468

PERSONNEL REALIGNMENTS:  
 From Base: NMRI BETHESDA, MD

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	41	0	0	41
Enlisted	0	0	0	84	0	0	84
Students	0	0	0	0	0	0	0
Civilians	0	0	0	138	0	0	138
TOTAL	0	0	0	263	0	0	263

TOTAL PERSONNEL REALIGNMENTS (Into WALTER REED, MD):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	41	0	0	41
Enlisted	0	0	0	84	0	0	84
Students	0	0	0	0	0	0	0
Civilians	0	0	0	138	0	0	138
TOTAL	0	0	0	263	0	0	263

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
2,828	37,673	78	3,606

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	166	0	0	166
Early Retirement*	10.00%	0	0	0	3	0	0	3
Regular Retirement*	5.00%	0	0	0	1	0	0	1
Civilian Turnover*	15.00%	0	0	0	4	0	0	4
Civs Not Moving (RIFs)*+		0	0	0	2	0	0	2
Civilians Moving (the remainder)		0	0	0	156	0	0	156
Civilian Positions Available		0	0	0	10	0	0	10
CIVILIAN POSITIONS ELIMINATED		0	0	0	27	0	0	27
Early Retirement	10.00%	0	0	0	3	0	0	3
Regular Retirement	5.00%	0	0	0	1	0	0	1
Civilian Turnover	15.00%	0	0	0	4	0	0	4
Civs Not Moving (RIFs)*+		0	0	0	2	0	0	2
Priority Placement#	60.00%	0	0	0	16	0	0	16
Civilians Available to Move		0	0	0	1	0	0	1
Civilians Moving		0	0	0	1	0	0	1
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	166	0	0	166
Civilians Moving		0	0	0	157	0	0	157
New Civilians Hired		0	0	0	9	0	0	9
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	6	0	0	6
TOTAL CIVILIAN RIFs		0	0	0	4	0	0	4
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	16	0	0	16
TOTAL CIVILIAN NEW HIRES		0	0	0	9	0	0	9

\* 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 : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NMRI BETHESDA, MD	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	166	0	0	166
Early Retirement*	10.00%	0	0	0	3	0	0	3
Regular Retirement*	5.00%	0	0	0	1	0	0	1
Civilian Turnover*	15.00%	0	0	0	4	0	0	4
Civs Not Moving (RIFs)*	6.00%	0	0	0	2	0	0	2
Civilians Moving (the remainder)		0	0	0	156	0	0	156
Civilian Positions Available		0	0	0	10	0	0	10
CIVILIAN POSITIONS ELIMINATED		0	0	0	27	0	0	27
Early Retirement	10.00%	0	0	0	3	0	0	3
Regular Retirement	5.00%	0	0	0	1	0	0	1
Civilian Turnover	15.00%	0	0	0	4	0	0	4
Civs Not Moving (RIFs)*	6.00%	0	0	0	2	0	0	2
Priority Placement#	60.00%	0	0	0	16	0	0	16
Civilians Available to Move		0	0	0	1	0	0	1
Civilians Moving		0	0	0	1	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	0	0	6	0	0	6
TOTAL CIVILIAN RIFs		0	0	0	4	0	0	4
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	16	0	0	16
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%

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NSWC PANAMA CITY, FL	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	0	0	28	0	0	28
Civilians Moving		0	0	0	19	0	0	19
New Civilians Hired		0	0	0	9	0	0	9
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	0	0	9	0	0	9

\* 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 : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WALTER REED, MD	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	0	0	138	0	0	138
Civilians Moving		0	0	0	138	0	0	138
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	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	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%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

ONE-TIME COSTS -----(\$K)-----	1996 -----	1997 -----	1998 -----	1999 -----	2000 -----	2001 -----	Total -----
CONSTRUCTION							
MILCON	16	0	183	0	0	0	200
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	0	0	79	0	0	79
Civ Retire	0	0	0	27	0	0	27
CIV MOVING							
Per Diem	0	0	0	46	0	0	46
POV Miles	0	0	0	3	0	0	3
Home Purch	0	0	0	198	0	0	198
HHG	0	0	0	131	0	0	131
Misc	0	0	0	13	0	0	13
House Hunt	0	0	0	39	0	0	39
PPS	0	0	0	230	0	0	230
RITA	0	0	0	84	0	0	84
FREIGHT							
Packing	0	0	0	80	0	0	80
Freight	0	0	0	30	0	0	30
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	12	0	0	12
OTHER							
Program Plan	608	456	342	257	0	0	1,663
Shutdown	0	0	0	250	0	0	250
New Hire	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	8	0	0	8
POV Miles	0	0	0	7	0	0	7
HHG	0	0	0	139	0	0	139
Misc	0	0	0	29	0	0	29
OTHER							
Elim PCS	0	0	0	94	0	0	94
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	0	0	0	0	0	0
TOTAL ONE-TIME	625	456	526	1,759	0	0	3,366

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)-----	----	----	----	----	----	----	-----	-----
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	391	391	391	1,173	391
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	1,005	1,005	1,005	3,016	1,005
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	1,396	1,396	1,396	4,189	1,396
<b>TOTAL COST</b>	<b>625</b>	<b>456</b>	<b>526</b>	<b>3,155</b>	<b>1,396</b>	<b>1,396</b>	<b>7,555</b>	<b>1,396</b>
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
----(\$K)-----	----	----	----	----	----	----	-----	
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	38	0	0	38	
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	38	0	0	38	
RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	668	1,407	1,407	3,482	1,407
BOS	0	0	0	453	4,313	4,313	9,079	4,313
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	686	1,372	1,372	3,431	1,372
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	307	614	614	1,536	614
Enl Salary	0	0	0	680	1,360	1,360	3,401	1,360
House Allow	0	0	0	984	984	984	2,952	984
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	891	891	891	2,673	891
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	4,670	10,942	10,942	26,553	10,942
<b>TOTAL SAVINGS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,708</b>	<b>10,942</b>	<b>10,942</b>	<b>26,591</b>	<b>10,942</b>

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

ONE-TIME NET -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total	
CONSTRUCTION								
MILCON	16	0	183	0	0	0	200	
Fam Housing	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	107	0	0	107	
Civ Moving	0	0	0	855	0	0	855	
Other	608	456	342	519	0	0	1,926	
MIL PERSONNEL								
Mil Moving	0	0	0	240	0	0	240	
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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	625	456	526	1,721	0	0	3,328	
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	-668	-1,407	-1,407	-3,482	-1,407
BOS	0	0	0	-62	-3,922	-3,922	-7,906	-3,922
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	-686	-1,372	-1,372	-3,431	-1,372
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	-987	-1,974	-1,974	-4,936	-1,974
House Allow	0	0	0	21	21	21	64	21
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	-891	-891	-891	-2,673	-891
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	-3,274	-9,545	-9,545	-22,364	-9,545
TOTAL NET COST	625	456	526	-1,552	-9,545	-9,545	-19,036	-9,545

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 4/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NMRI BETHESDA, MD	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS	-----	-----	-----	-----	-----	-----	-----
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
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	79	0	0	79
Civ Retire	0	0	0	27	0	0	27
CIV MOVING							
Per Diem	0	0	0	46	0	0	46
POV Miles	0	0	0	3	0	0	3
Home Purch	0	0	0	198	0	0	198
HHG	0	0	0	131	0	0	131
Misc	0	0	0	13	0	0	13
House Hunt	0	0	0	39	0	0	39
PPS	0	0	0	230	0	0	230
RITA	0	0	0	84	0	0	84
FREIGHT							
Packing	0	0	0	80	0	0	80
Freight	0	0	0	30	0	0	30
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	0	12	0	0	12
OTHER							
Program Plan	608	456	342	257	0	0	1,663
Shutdown	0	0	0	250	0	0	250
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	8	0	0	8
POV Miles	0	0	0	7	0	0	7
HHG	0	0	0	139	0	0	139
Misc	0	0	0	29	0	0	29
OTHER							
Elim PCS	0	0	0	94	0	0	94
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	0	0	0	0	0	0
TOTAL ONE-TIME	608	456	342	1,759	0	0	3,166

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 5/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NMRI BETHESDA, MD								
RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)-----	----	----	----	----	----	----	-----	-----
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
<b>TOTAL COSTS</b>	<b>608</b>	<b>456</b>	<b>342</b>	<b>1,759</b>	<b>0</b>	<b>0</b>	<b>3,166</b>	<b>0</b>
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
----(\$K)-----	----	----	----	----	----	----	-----	
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	38	0	0	38	
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	38	0	0	38	
RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	668	1,407	1,407	3,482	1,407
BOS	0	0	0	453	4,313	4,313	9,079	4,313
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	686	1,372	1,372	3,431	1,372
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	307	614	614	1,536	614
Enl Salary	0	0	0	680	1,360	1,360	3,401	1,360
House Allow	0	0	0	984	984	984	2,952	984
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	891	891	891	2,673	891
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	4,670	10,942	10,942	26,553	10,942
<b>TOTAL SAVINGS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,708</b>	<b>10,942</b>	<b>10,942</b>	<b>26,591</b>	<b>10,942</b>

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 6/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: NMRI BETHESDA, MD								
ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	107	0	0	107	
Civ Moving	0	0	0	855	0	0	855	
Other	608	456	342	519	0	0	1,926	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	240	0	0	240	
<b>OTHER</b>								
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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>608</b>	<b>456</b>	<b>342</b>	<b>1,721</b>	<b>0</b>	<b>0</b>	<b>3,128</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	-----	-----	-----	-----	-----	-----	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
RPMA	0	0	0	-668	-1,407	-1,407	-3,482	-1,407
BOS	0	0	0	-453	-4,313	-4,313	-9,079	-4,313
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	-686	-1,372	-1,372	-3,431	-1,372
CHAMPUS	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	-987	-1,974	-1,974	-4,936	-1,974
House Allow	0	0	0	-984	-984	-984	-2,952	-984
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	-891	-891	-891	-2,673	-891
Unique Other	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-4,670</b>	<b>-10,942</b>	<b>-10,942</b>	<b>-26,553</b>	<b>-10,942</b>
<b>TOTAL NET COST</b>	<b>608</b>	<b>456</b>	<b>342</b>	<b>-2,949</b>	<b>-10,942</b>	<b>-10,942</b>	<b>-23,425</b>	<b>-10,942</b>

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 7/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N950M.SFF

Base: NSWC PANAMA CITY, FL

ONE-TIME COSTS -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total
-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION							
MILCON	16	0	183	0	0	0	200
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	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	0	0	0	0	0	0
TOTAL ONE-TIME	16	0	183	0	0	0	200



APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 9/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N950M.SFF

Base: NSWC PANAMA CITY, FL

ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	16	0	183	0	0	0	200	
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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	16	0	183	0	0	0	200	
RECURRING NET	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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	229	229	229	686	229
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	162	162	162	488	162
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	391	391	391	1,173	391
TOTAL NET COST	16	0	183	391	391	391	1,373	391

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 10/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WALTER REED, MD

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	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	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0



APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 12/12  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base: WALTER REED, MD

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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
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	0	0	162	162	162	487	162
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	843	843	843	2,528	843
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	1,005	1,005	1,005	3,015	1,005
TOTAL NET COST	0	0	0	1,005	1,005	1,005	3,015	1,005

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Base	Personnel		SF		
	Change	%Change	Change	%Change	Chg/Per
-----	-----	-----	-----	-----	-----
NMRI BETHESDA	-409	-100%	-200,000	-100%	489
NSWC PANAMA CITY	70	4%	0	0%	0
WALTER REED	263	1%	0	0%	0

Base	RPMA(\$)			BOS(\$)		
	Change	%Change	Chg/Per	Change	%Change	Chg/Per
-----	-----	-----	-----	-----	-----	-----
NMRI BETHESDA	-1,407,000	-100%	3,440	-4,313,000	-100%	10,545
NSWC PANAMA CITY	0	0%	0	228,613	2%	3,266
WALTER REED	0	0%	0	162,416	0%	617

Base	RPMABOS(\$)		
	Change	%Change	Chg/Per
-----	-----	-----	-----
NMRI BETHESDA	-5,720,000	-100%	13,985
NSWC PANAMA CITY	228,613	2%	3,266
WALTER REED	162,416	0%	617

RPMA/BOS CHANGE REPORT (COBRA v5.08)  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

Net Change(\$K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	0	0	-668	-1,407	-1,407	-3,482	-1,407
BOS Change	0	0	0	-62	-3,922	-3,922	-7,906	-3,922
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-731</b>	<b>-5,329</b>	<b>-5,329</b>	<b>-11,389</b>	<b>-5,329</b>

INPUT DATA REPORT (COBRA v5.08)  
 Data As Of 09:09 11/20/1994, Report Created 14:00 03/08/1995

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95CM.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
-----	-----
NMRI BETHESDA, MD	Realignment
NSWC PANAMA CITY, FL	Realignment
WALTER REED, MD	Realignment

Summary:  
 -----

SCENARIO 48A

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
NMRI BETHESDA, MD	NSWC PANAMA CITY, FL	922 mi
NMRI BETHESDA, MD	WALTER REED, MD	6 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NMRI BETHESDA, MD to NSWC PANAMA CITY, FL

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
Officer Positions:	0	0	0	7	0	0
Enlisted Positions:	0	0	0	35	0	0
Civilian Positions:	0	0	0	28	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	25	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

Transfers from NMRI BETHESDA, MD to WALTER REED, MD

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
Officer Positions:	0	0	0	41	0	0
Enlisted Positions:	0	0	0	84	0	0
Civilian Positions:	0	0	0	138	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	54	0	0
Suppt Eqpt (tons):	0	0	0	16	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N950M.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NMRI BETHESDA, MD

Total Officer Employees:	56	RPMA Non-Payroll (\$K/Year):	1,407
Total Enlisted Employees:	160	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	4,313
Total Civilian Employees:	193	BOS Payroll (\$K/Year):	1,771
Mil Families Living On Base:	11.0%	Family Housing (\$K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.03
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	200	CHAMPUS Shift to Medicare:	55.0%
Officer VHA (\$/Month):	462	Activity Code:	00168
Enlisted VHA (\$/Month):	316		
Per Diem Rate (\$/Day):	151	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NSWC PANAMA CITY, FL

Total Officer Employees:	48	RPMA Non-Payroll (\$K/Year):	3,065
Total Enlisted Employees:	346	Communications (\$K/Year):	0
Total Student Employees:	13	BOS Non-Payroll (\$K/Year):	10,765
Total Civilian Employees:	1,357	BOS Payroll (\$K/Year):	14,950
Mil Families Living On Base:	19.0%	Family Housing (\$K/Year):	243
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.78
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	906	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	39	Activity Code:	61331
Enlisted VHA (\$/Month):	41		
Per Diem Rate (\$/Day):	75	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Name: WALTER REED, MD

Total Officer Employees:	2,787	RPMA Non-Payroll (\$K/Year):	25,676
Total Enlisted Employees:	37,589	Communications (\$K/Year):	0
Total Student Employees:	78	BOS Non-Payroll (\$K/Year):	50,299
Total Civilian Employees:	3,468	BOS Payroll (\$K/Year):	58,359
Mil Families Living On Base:	15.0%	Family Housing (\$K/Year):	609
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.04
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	2,928	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	462	Activity Code:	XXXXST
Enlisted VHA (\$/Month):	316		
Per Diem Rate (\$/Day):	151	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NMRI BETHESDA, MD

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	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	891	891	891
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):	200					Perc Family Housing ShutDown: 0.0%

Name: NSWC PANAMA CITY, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	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%

Name: WALTER REED, MD

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	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%

Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NMRI BETHESDA, MD

	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	-8	0	0
Enl Scenario Change:	0	0	0	-41	0	0
Civ Scenario Change:	0	0	0	-27	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

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: NSWC PANAMA CITY, FL

Description	Categ	New MilCon	Rehab MilCon	Total Cost(\$K)
RDT&E FACILITIES	RDT&E	0	0	200

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(\$):	7,925.00	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):	50,827.00	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 O&M,N 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%

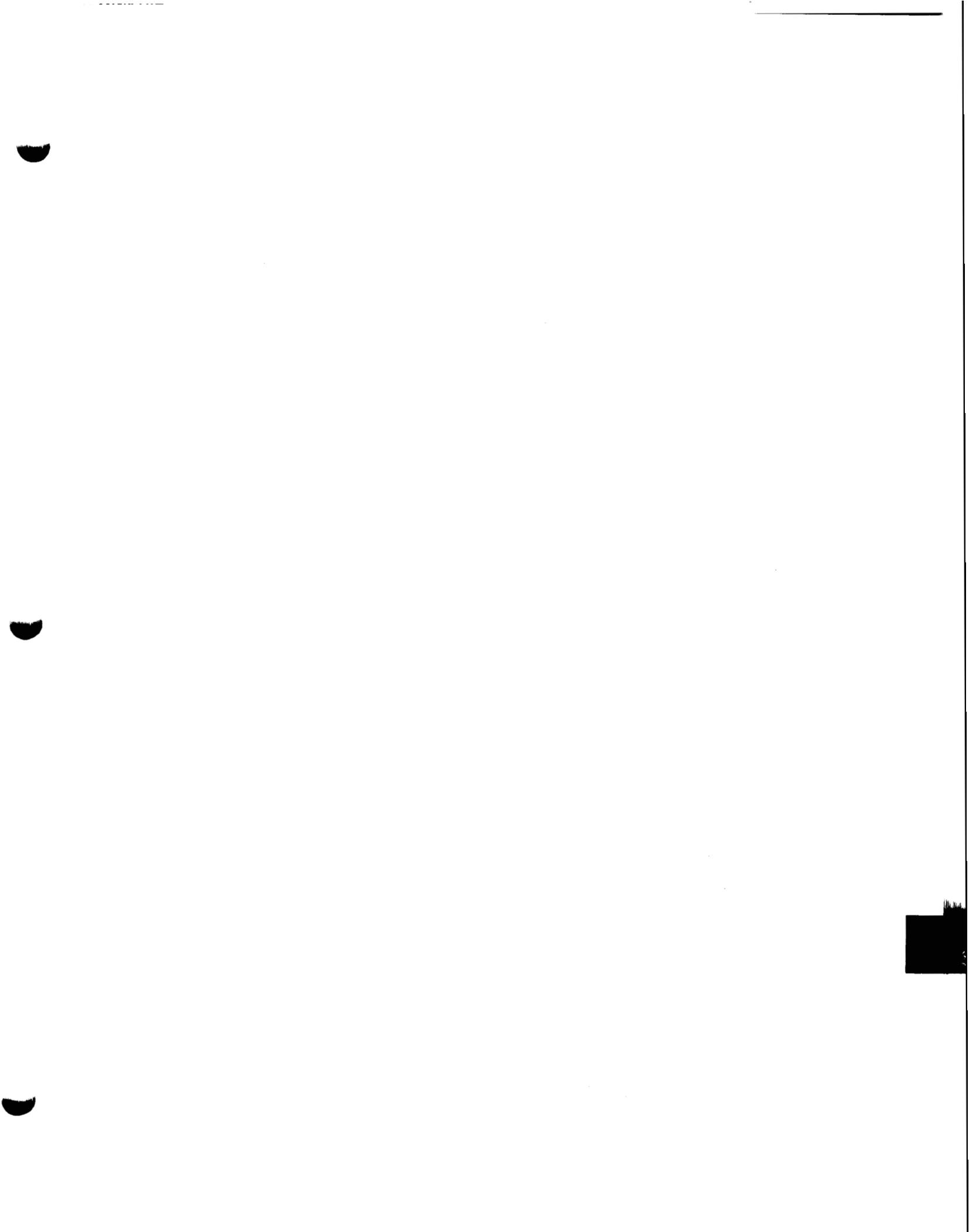
Department : NAVY  
 Option Package : NAMRI OPT A  
 Scenario File : C:\COBRA95\NAVY\DONE\NAMRI-RE.CBR  
 Std Fctrs File : C:\COBRA95\NAVY\N95OM.SFF

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

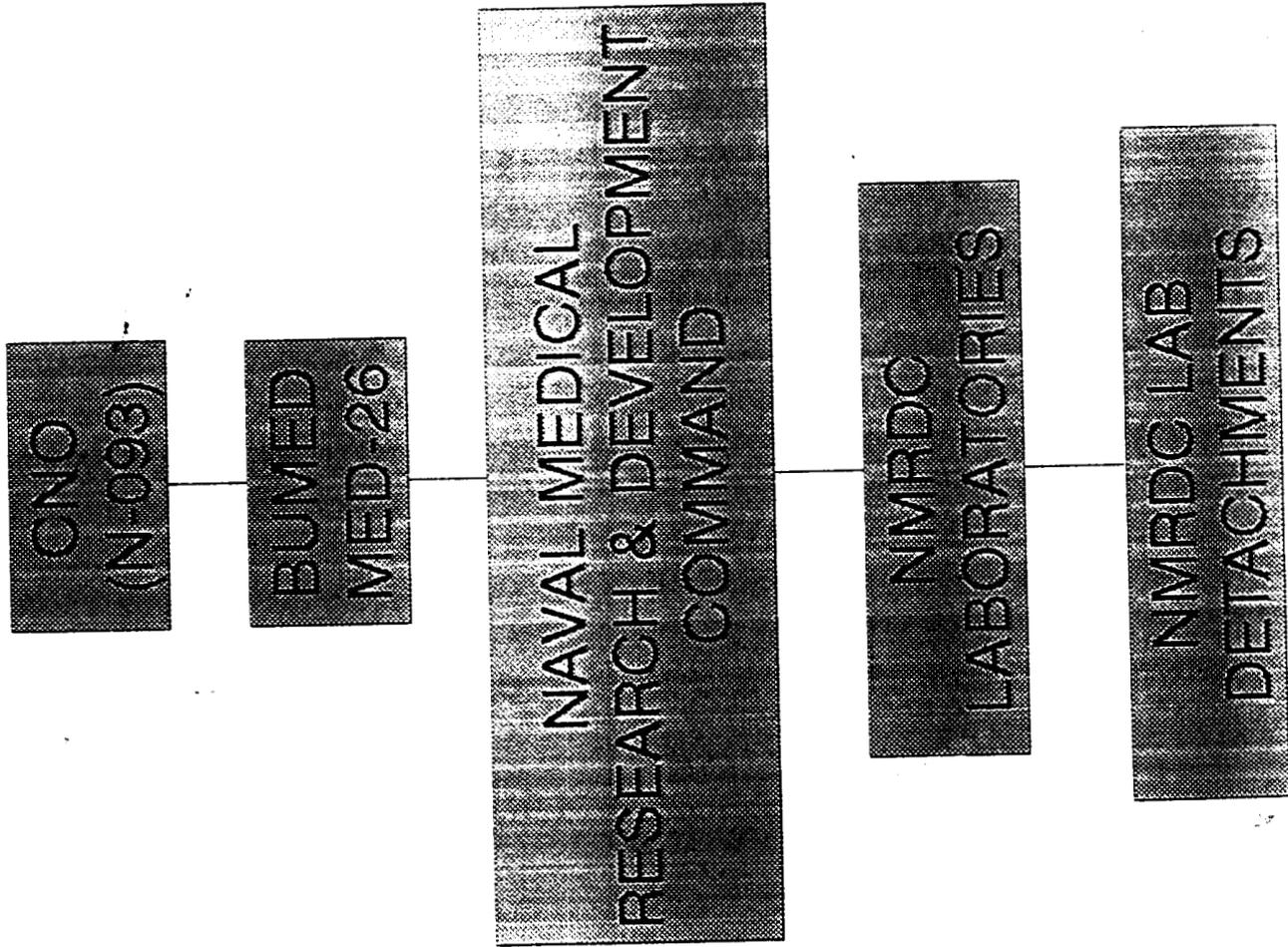
Material/Assigned Person(Lb):	710	Equip Pack & Crate(\$/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle(\$/Mile):	0.31
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle(\$/Mile):	3.38
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement(\$/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	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

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
Shipyards 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			

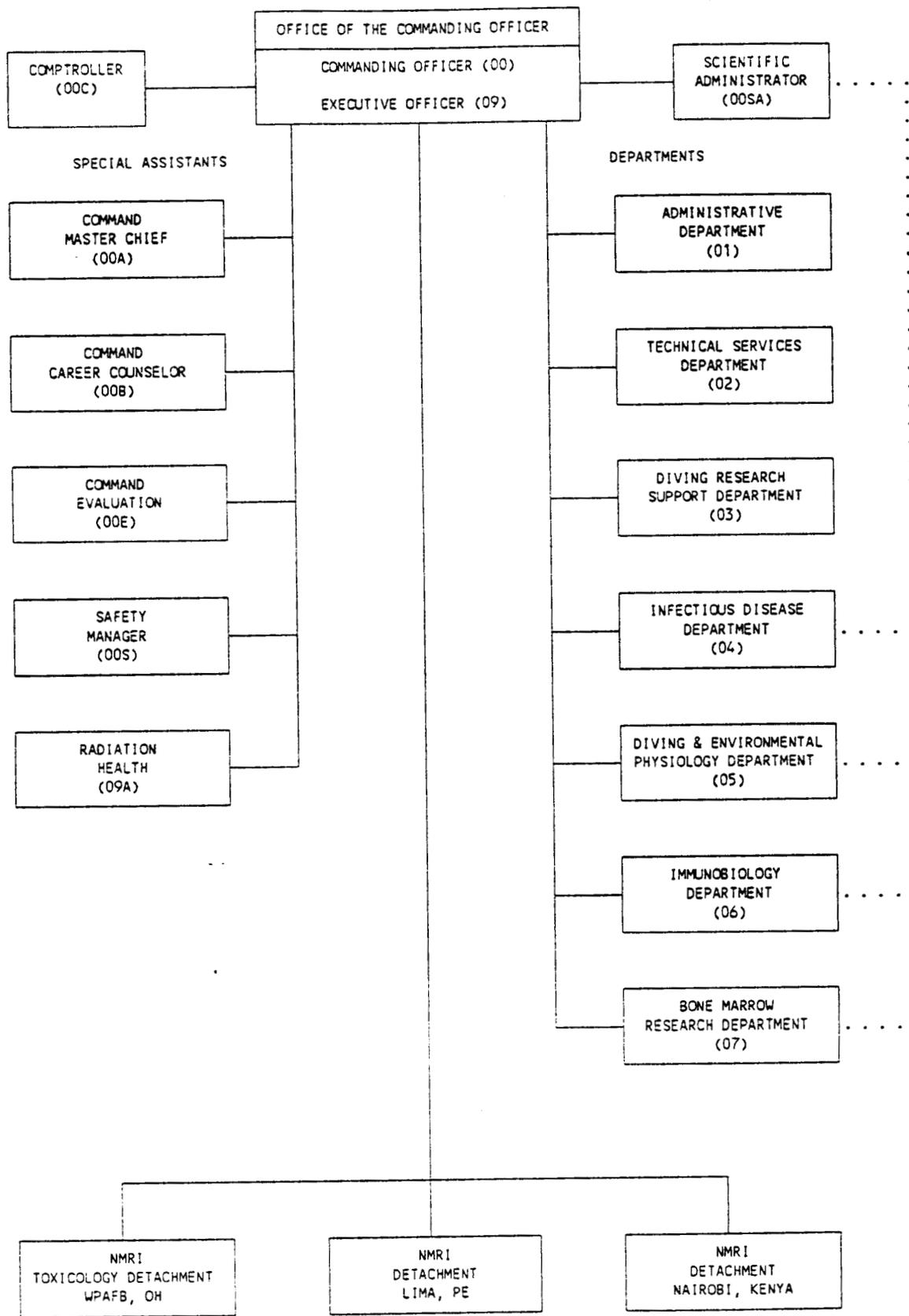


# CHAIN OF COMMAND



Mission

Biomedical research  
in support of the  
operating forces



# PERSONNEL

## NAVAL MEDICAL RESEARCH INSTITUTE

PERSONNEL	NUMBER
OFFICERS	65
ENLISTED	168
CIVILIANS	139
CIVILIAN CONTRACT	162
TOTAL	534
SCIENTISTS	57
TECHNICAL SUPPORT	130

# DETACHMENT PERSONNEL

## NAVAL MEDICAL RESEARCH INSTITUTE

PERSONNEL	NUMBER
OFFICER	10
ENLISTED	9
CIVILIANS	6
CIVILIAN CONTRACT	15
FSN's	38
TOTAL	94
SCIENTISTS	9
TECHNICAL SUPPORT	7

# NAVAL MEDICAL RESEARCH INST

## FUNDING BY PROGRAM FY 94

RESEARCH PROGRAM	FUNDING \$(000)	
MALARIA	2,436.0	
ENTERICS	1,649.0	
IDTA	425.0	
VRD	1,967.3	
BIOLOGICAL DEF.	1,652.0	
BONE MARROW	36,969.0	\$2.0 M NMRI   \$35.0M CONTRACTS
SEPTIC SHOCK	2,052.7	
WOUND REPAIR	1,004.1	
IMMUNE CELL	3,192.9	
THERMAL STRESS	1,655.8	
PHYSIO H/02	1,663.5	
DYSBARIC	782.3	
HYPERBARIC	1,570.7	
DIVING LIFE.	31.0	
DECOMPRESSION	1,900.6	
LIMA DET.	1,647.0	
TOX DET	1,529.0	
TOTAL	62,127.9	

# NAVAL MEDICAL RESEARCH INST.

OTHER FUNDING

CATEGORY	FUNDING \$(000)
GENERAL OVERHEAD	5,743.2
CHAMBER COMPLEX	1,456.7
EQUIPMENT	710.0
SPECIAL PROJ.	312.0

# NAVAL MEDICAL RESEARCH INST.

## FISCAL YEAR 94 FUNDING

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PROG.	ELEMENT	AMOUNT \$(000)
	6.1	672.0
		3,020.0
	6.2	2,447.8
	6.3	40,086.4
		4,197.6
	6.5	600.0
		710.0
		312.0
ARMY	REIMB.	9,387.0
SPEC.	WAR	288.0
OTHER	REIMB.	1,304.0
TOTAL		63,024.8





BRIAN P. BILBRAY  
49TH DISTRICT, CALIFORNIA

COMMERCE COMMITTEE

SUBCOMMITTEE ON  
LTH AND ENVIRONMENT

SUBCOMMITTEE ON  
COMMERCE, TRADE AND  
HAZARDOUS MATERIALS



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Washington, DC 20515

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Please refer to this number  
when recording 950403-11

March 31, 1995

Mr. Alan J. Dixon, Chairman  
Defense Base Closure and Realignment Commission  
1700 North Moore Street, Suite 1426  
Arlington, Virginia 22209

Dear Mr. Chairman:

It has come to my attention that the Department of Defense (DoD) Base Closure and Realignment Report recommended that the Naval Health Research Center (NHRC), located in San Diego, California, be disestablished and that necessary functions, personnel and equipment shall be relocated to the Bureau of Naval Personnel (BUPERS) at Memphis, Tennessee. I am greatly concerned that this relocation ignores a parallel joint services effort to consolidate medical and research centers under the Armed Forces Medical Research and Development Agency (AFMRDA), and jeopardizes the ability of the Navy to fulfill its medical research obligations.

According to the Navy Office of Legislative Affairs (OLA), the Navy is participating in the AFMRDA proposal, under the Armed Services Agreement, on condition that the Navy maintain control of its medical research funds and personnel to ensure the continuation of a research environment that emphasizes Navy mission needs and interfaces Navy technical performers and Navy customers. When asked about coordination between the Base Closure and Realignment Commission (BRAC) process and the AFMRDA, the OLA responded simply that because NHRC was recommended for closure, it would not be incorporated into the AFMRDA. In other words, the answer did not match the question.

When further pressed for explanation, the OLA responded by describing the NHRC functions as follows, "The NHRC performs medical research and modeling and maintains health related databases in a number of health and performance areas effecting active duty men and women in the Navy and Marine Corp..." The response continued by suggesting that while it was difficult to determine exactly what it was consolidating, it was necessary and would save money. This appears to directly contradict the NHRC Mission Statement as obtained by my office, which suggests that

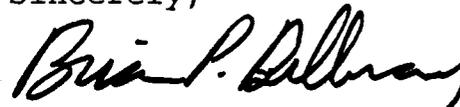
the mission of the NHRC is to support fleet operational readiness through medical Research, Development, Technology & Evaluation (RDT&E) of biomedical and psychological aspects of Navy and Marine Corps personnel health and performance. This mission includes promotion of the health and well being of men and women aboard ship and ashore through epidemiologic and clinical research, operational research in support of medical decision-making, and assessment of physiological and psychological performance in operational settings. The Center is responsive to the needs of the **Bureau of Medicine and Surgery** the DoD, the Fleet, and the U.S. Marine Corps. Additionally, the AFMRDA proposal specifically suggests that NHRC be recommissioned as Armed Forces Medical Research Unit 3 because of its established proximity to the customer, and for the linked R&D capabilities. In addition, the AFMRDA operational Health Division will be located at the same site in San Diego.

Finally, it appears that some confusion may have occurred because Naval Personnel Research and Development (NPR&D) Center, which is collocated with NHRC, was also recommended for relocation to the BUPERS in Memphis, Tennessee and Naval Air Warfare Center (Training Systems Division) Orlando, Florida. The functions of this operation clearly reflect the mission statement of BUPERS, and consolidation appears to make perfect sense. It is quite possible that a clear enough distinction was not made by the Navy during the initial review process.

I believe that this confusion could be quickly remedied by directing BRAC staff to visit NHRC. Therefore, I would like to extend an invitation to your staff, who are already scheduled to visit nearby San Diego Navy assets on April 26th, 1995, to spend a few minutes touring the NHRC. I am sure that such a tour would adequately illustrate my concerns, and result in a reconsideration of the fate of the facility. Please contact Greg Stein of my staff to respond to this inquiry, and to discuss a visit to the NHRC facility.

I appreciate your interest in this issue and look forward to your response.

Sincerely,



Brian P. Bilbray  
Member of Congress

BPB:gs



21 April 1995

Base Realignment and Closing Commission  
1700 N. Moore Street  
Suite 1425  
Arlington, VA 22209

Gentlemen:

We are a group of retired Naval Officers with extensive experience in diving and undersea warfare. We are writing to express our extreme concern regarding the BRAC recommendation to close the Behnke Diving Facility at the Naval Medical Research Institute (NMRI) and to split the NMRI diving program between two receiving sites. In our opinion this move will seriously degrade the Navy's readiness posture in the areas of deep diving, explosive ordnance disposal, submarine rescue and naval special warfare operations.

The Behnke Diving Facility has had an extraordinary record of service to the Fleet. Over the past twenty years, more than 300 scientific papers and reports from this facility have chronicled the steady advance in understanding of man's adaptation to the undersea environment. This understanding in turn has led to many products that have increased our readiness to operate. Significant examples include more flexible saturation decompression schedules for deep diving, computer controlled decompression for shallow diving, improved diver thermal protection, and improved treatment methods for diver decompression sickness and arterial gas embolism. All of these advances have represented quantum leaps in capability.

The Behnke Diving Facility has also played a vital role in the Navy's response to contingencies. Noteworthy recent examples include the rapid development of guidelines for the use of anti-nerve gas agents by Persian Gulf divers, rapid solution of a chemical contamination problem that had shut down Navy diving worldwide, and actual deployment of medical officers to support expanding operations during Desert Shield/Desert Storm.

The future, of course, is more important than the past. In this regard, it is important to note that the requirement for diving medical research is stronger than ever. With the shift to a littoral war-fighting focus, deficiencies in shallow water mine clearance and special warfare capability have become clear. Reflecting this requirement, the diving medical research program has successfully weathered the intense budget cutting evolutions of the past several years. Planned program funding in FY 97 is greater than in the FY 93 BRAC base year.

21 April 1995  
page two

In our view, the ability of the diving medicine program to support Navy readiness is critically dependent on its current staffing configuration and on its Bethesda location. The unique combination of basic and applied scientists working together in one location fosters the innovative, cutting edge thinking needed to break out of the box. The full integration of basic and applied researchers further speeds the transition of products from concept stage to full scale development. The Bethesda location, with its immediate proximity to government, university, and industrial medical research centers, allows the rapid assimilation of new medical knowledge and provides the academic environment conducive to attracting top quality scientists and physicians.

A critical aspect of the Bethesda location not considered in the BRAC deliberations is the clinical hyperbaric medicine service provided by the Behnke Diving Facility to the Bethesda Naval Hospital. With its highly sophisticated chamber system and superbly trained medical staff, the Behnke facility provides the military in the Washington, D.C., area a hyperbaric medicine capability enjoyed by few other DOD regions.

We are concerned that the COBRA analysis used to support the decision to close NMRI and the Behnke Diving Facility may not have considered all the relevant factors. As outlined in more detail in enclosure (1), the analysis appeared to omit the Navy's pro rata share of the Walter Reed MILCON, appeared to overestimate the outyear savings to be realized in the BOS and RMPA accounts, and appeared to grossly underestimate the MILCON costs of providing additional facilities in Panama City. We invite the Commission to review this analysis. In our opinion, the Navy Experimental Diving Unit cannot fully absorb the NMRI manned diving mission without costly additional hyperbaric facilities and open tank upgrades.

We would also like to bring to the Commission's attention the fact that the Behnke Diving Facility is a set of modern buildings which are physically separated from the main NMRI facility and can be operated independently. This facility possesses a state-of-the-art man-rated chamber complex, including five "dry" chambers and a wet pot, all with deep diving capability. The facility also includes a deep water tank and associated environmental room in which all extremes of air and water temperature can be generated and imposed on divers to simulate operational conditions. Construction of a new hydrogen diving facility has just been completed and is ready for experimental use to validate a revolutionary new approach to diver decompression. This hydrogen facility is unique in the country. The current value of the Behnke Diving Facility is estimated at \$42M; it represents an investment that will be lost if the current recommendation is implemented.

In summary, we feel strongly that the process of base closure and realignment must ensure that the Navy's capabilities in diving medicine remain matched to the real threats of the post Cold War era. With the prospect of hard to predict regional threats in which our smaller force structure will have to be ready to wage limited but intense warfare on short notice, it will be absolutely essential to have an operationally oriented diving research program that can provide rapid technological advantage to those forces. The option of keeping the Behnke Diving Research Facility intact as a satellite facility of the new Walter Reed should be strongly considered. The proposed option by BRAC to split the program between two receiving locations will be costly and disruptive in the short term and runs the risk of seriously compromising overall capability in the long term. Making the wrong choice could prove to be an expensive and tragic mistake.

21 April 1995  
page three

We would be happy to provide any additional information desired by the Commission or to testify in front of the Commission. Our point of contact is Dr. James Vorosmarti, (301-762-6957).

Sincerely,

Russell Marlor  
RAdm. Russell Marlor, MC, USN (ret)

J. Edward Snyder, Jr.  
RAdm. J. Edward Snyder, Jr., USN (ret)

James K. Summitt  
RAdm. James K. Summitt, MC, USN (ret)

Robert C. Bornmann  
Captain Robert C. Bornmann, MC, USN (ret)

Mark Bradley  
Captain Mark E. Bradley, MC, USN (ret.)

J. Vorosmarti  
Captain James Vorosmarti, Jr., MC, USN (ret.)

FAX  
Dr Vorosmarti  
301/424 2796

## BACKGROUND INFORMATION

Radm. Russell Marlor, MC, USN (ret.)  
Director, Medical Plans Policy, BuMed  
also - code N932, Office of Chief of Naval Operations, 1988-1991

Radm. James K. Summitt, MC, USN, (ret.)  
Deputy Commander, Medical Command Operations, 1987-1988

Capt. Robert C. Bornmann, MC, USN, (ret.)  
Office of the Oceanographer, 1973-1978  
Program Manager, Submarine/Diving Medicine, NMRDC, 1980-1984

Capt. Mark E. Bradley, MC, USN (ret.)  
Department Head, Diving Medicine, NMRI, 1976-1987  
Deep Submergence Systems Project (Sub Dev Group I) 1966-1970

Capt. James Vorosmarti, Jr., MC, USN (ret.)  
Assistant for Medical Research, Office of the Undersecretary of Defense,  
Research Engineering 1983-1986  
Commanding Officer, Naval Medical Research Institute, 1980-1983  
Program Manager, Submarine/Diving Medicine, NMRDC, 1978-1980  
Executive Officer, Naval Medical Research Institute, 1975-1978

Radm. J. Edward Snyder, Jr., USN (ret.)  
Oceanographer of the Navy, 1971-1979

## ISSUE PAPER

### REALIGNMENT OF THE NMRI DIVING MEDICINE PROGRAM

**ISSUE:** The DOD BRAC 95 Report recommends closure of the Naval Medical Research Institute (NMRI) and transfer of all research personnel, equipment, and programs with the exception of the manned diving program to the new Walter Reed Army Institute of Research (WRAIR) now under construction at Forest Glen, MD. The Navy Experimental Diving Unit (NEDU) in Panama City FL. assumes responsibility for the NMRI's manned diving program. The recommendation effectively splits NMRI's Diving Medicine Program in two. Seventy of NMRI's 134 diving medicine personnel are transferred to NEDU to support the manned diving program. Most of the remainder are transferred along with equipment to WRAIR to conduct basic research. (NMRI's manned diving and hydrogen diving facilities are abandoned.)

#### POINTS TO CONSIDER:

**The requirement for diving medical research is undiminished.**

- o Shift to a littoral warfighting concept has highlighted the need for effective explosive ordnance disposal (EOD) and Naval special warfare (NSW) operations.

- o Effective EOD and NSW operations are currently hampered by inadequate diver thermal protection, prolonged decompression requirements, and inability to use 100% oxygen rebreather equipment safely and effectively.

**Program support for diving medical research remains strong.**

- o Program support for continued diving medical research and development remains strong. Resources have not been decremented significantly in either the programming or budgeting process. Resources in FY 97 are projected to be equal to FY 93 levels.

**The military value of the diving medical research program is unquestioned.**

- o Products of the diving medical research and development program are critical to the development of enhanced EOD and NSW capability.

- o NMRI's diving medicine program has a long track record of service to the Fleet, including world-wide expert consultation on a host of issues, rapid provision of workable solutions in contingency situations (eg. safety of pyridostigmine chemical warfare prophylaxis in Desert Storm divers) and actual deployment of personnel. The NMRI diving medicine program is an integral part of the Navy's readiness posture.

**The proposed realignment will seriously degrade program integration and productivity.**

o The NMRI Diving Medicine Program is a broadly diversified program with significant on-going efforts in all aspects of the field, including decompression, oxygen toxicity, thermal protection, gas purity, and new treatments for decompression sickness and gas embolism. The strength of the NMRI Diving Medicine Program derives not only from its large size but also from the strong and continuous interaction between basic and applied scientists. This close collaboration keeps basic work focused on operational objectives and allows for rapid, smooth transition of products for man-testing. Full integration of efforts from basic research (6.1) to advanced development (6.4) is a hallmark of the NMRI Diving Medicine Program. This tight link will be broken with a move of the manned diving portion of the program to NEDU.

**The proposed realignment will destroy the critical mass of scientists and engineers present in Bethesda.**

o The NMRI Diving Medicine Program has a larger and more sophisticated workforce than NEDU. The NMRI program has 134 staff members 26 of whom are medical scientists or engineers at the M.D./ Ph.D. level. The NEDU program has 109 staff members 7 of whom are medical scientists or engineers at the M.D./ Ph.D level. Consolidation of manned diving at NEDU would destroy the critical mass of scientists and engineers currently present at NMRI and create two smaller and weaker programs in the process. One large program is preferred.

**The proposed realignment will result in the loss of the new hydrogen diving facility.**

o The new hydrogen diving facility cannot effectively be moved to the Forest Glen location. This facility is unique in the country and is critical to the development of the concept of "chemical decompression", a future method of increasing the safety and efficiency of diving operations by eliminating the need for diver decompression.

**The proposed realignment will worsen the current personnel crisis in Undersea Medicine.**

o The Senate Armed Services has twice noted the severe shortage of experienced senior Undersea Medical Officers in the Navy. NMRI serves both as a repository of senior diving medicine expertise as well as a training ground for junior Undersea Medical Officers. Recruitment, training, and career retention of Undersea Medical Officers is greatly facilitated by the intellectually challenging environment present at NMRI. This environment will be lost with a move of the manned diving program to NEDU.

**The proposed realignment will destroy a national asset.**

o The NMRI Diving Medicine Program is a recognized throughout world leader in diving medical research. The scope of its activity and its scientific productivity far outstrips that of any other competitor, foreign or domestic. Its products have been of immense benefit not only to the Navy, but to NOAA, NASA, and the commercial diving industry. It is a leader in domestic technology transfer. The Navy is the only agency that currently funds diving medical research in the United States. 70% of that work is performed at NMRI.

**Panama City does not have the medical or scientific infrastructure needed to support NMRI's manned diving program.**

o NMRI's innovative and often revolutionary approach to diving medicine relies heavily on discussions and collaborations that take place within the medical and scientific communities of the Washington D.C. area. Nearby important sources of medical and scientific expertise include Georgetown, George Washington, and Johns Hopkins universities, the Uniformed Services University of the Health Sciences, the Armed Forces Institute of Pathology, and the National Institutes of Health. No such infrastructure exists in Panama City Florida.

o NMRI's ability to conduct sophisticated medical experiments safely on humans is critically dependent on the ready availability of medical expertise and support from the National Naval Medical Center, the Navy's premier tertiary medical care facility. It is also highly dependent on the sophisticated systems in place for safeguarding human subjects. The lack of comparable support in Panama City will necessarily restrict the scope of manned experimentation.

o The lack of a medical/scientific infrastructure in Panama City Florida will make recruitment and retention of top quality investigators for the manned diving program difficult. Inability to recruit and delays in filling critical positions will inevitably lead to a decline in program productivity.

**NEDU does not have the capacity to absorb NMRI's manned diving program.**

o Both NMRI and NEDU currently utilize their hyperbaric chambers near their theoretical maximum capacity. This includes test set up, practice runs, and actual diving. Preventive maintenance occupies the remainder of the time. Since test set-up and dive profile requirements are generally different, medical R&D and equipment T&E projects usually cannot be run simultaneously. Even assuming a interoperability factor between the two programs as high as 50%, the net productivity of the combined program operating a single facility is still predicted to be reduced by 33%. NEDU cannot support the NMRI manned diving mission in its current chamber facilities.

o NEDU's open tank facility does not meet the temperature control requirements needed for medical research. In addition, NEDU does not have an environmental chamber to allow the simulation of wet cold, dry cold, wet cold scenarios typical of NSW operations. The NMRI manned diving program cannot operate without these assets.

**The COBRA analysis used to support the decision to close NMRI and realign the manned diving program appears flawed.**

o The Navy's pro rata share of the \$140M Walter Reed MILCON at Forest Glen was omitted from the COBRA analysis. (Construction of this new facility has not yet begun.) The scope of the MILCON could be reduced if the Navy component were removed. The Navy's pro rata share of the MILCON therefore represents a legitimate cost of realignment.

o The net savings associated with Base Operating Support (BOS) costs appear overestimated. 81% of NMRI's personnel will realign to either WRAIR or NEDU. BOS savings at NMRI are estimated at \$4313K while BOS costs at the receiving locations are estimated at only \$391K. Translated to a per person basis, the BOS savings at NMRI are estimated at \$10,545/person while the BOS costs at NEDU and WRAIR are \$3,271/person and \$616/person respectively. These disparate numbers reflect the fact that (1) BOS costs at the closing and receiving locations were estimated by different methodologies and (2) that the manning level of the Walter Reed base was grossly overestimated.

o The net savings associated with Real Property Maintenance (RPMA) appear overestimated. RPMA savings at NMRI are estimated at \$1407K while RPMA costs at both receiving locations are estimated at \$0K. The RPMA costs should include at least the Navy's pro rata share of maintaining the new Walter Reed building.

o The COBRA analysis does not provide for the cost of conversion of existing NMRI spaces for new uses or for the cost of operating these facilities.

o The COBRA analysis mistakenly assumes that NEDU has the capacity to receive the manned diving program with only a \$200K expenditure to renovate existing spaces. The cost of upgrading the open tank facility to accommodate the NMRI mission alone is estimated at \$400K. Provision of additional manned-rated hyperbaric facilities to accommodate NMRI's mission without degradation is estimated at \$4M.

o The NMRI diving medicine program has a modern physical plant (both buildings and equipment) with a current value in excess of \$42M. The remaining life span of these assets exceeds 30 years. The economic loss of writing off these facilities was not considered in the COBRA analysis.

**RECOMMENDATION:**

o Keep the NMRI Diving Medicine Program intact in its current facilities in Bethesda, MD. Do not move equipment or personnel. Attach the Program organizationally to the Armed Forces Medical Research and Development Agency (AFMR&DA), or its subordinate activity, WRAIR.

**ADVANTAGES OF THE RECOMMENDATION:**

- o No costs of realignment.
- o No short or long-term program disruption.
- o No loss of production capability
- o Continued return on large capital investment in Bethesda.
- o Academic environment for training Undersea Medical Officers preserved.
- o Research and Development and Test and Evaluation remain distinct.
- o Joint service interaction fostered.
- o Recommendation consistent with the on-going transfer of all other Army and Navy medical research and development assets to AFMR&DA.

ISSUE: The COBRA Analysis used to support the closure of NMRI and the realignment of the Diving Medicine Program may not have considered all the relevant information.

BACKGROUND: The NMRI COBRA analysis may be summarized as follows:

1. Planned Personnel Redistribution

NMRI	NSWC	WRAIR	RIF
-409	+70	+263	76

2. One Time Net Costs (\$K)

Program Planning Support	1664
Personnel Actions	213
Facility Closure	250
Moving Expense	1039
Military Construction	200
Total	3366

3. Recurring Costs/Savings (\$K)

	NMRI	NSWC	WRAIR	NET
RMPA	-1407	0	0	-1407
BOS	-4313	229	162	-3922
CIVPERS	-1372	0	0	-1372
MILPERS	-2958	162	843	-1953
Misc	-891	0	0	-891
Total	-10941	391	1005	-9545

POINTS OF CONCERN:

o The analysis fails to take into account the Navy's pro rata share of the new Walter Reed MILCON. With 263 personnel moving to WRAIR, the Navy occupancy of the new building will be more than 20%. The pro rata share may be conservatively estimated at \$28M (20% of \$140M). These are not sunk costs as the facility has yet to be constructed and the scope of work could be changed.

o The analysis mistakenly assumes that NSWC has the capacity to receive the manned diving program with only a \$200K expenditure to renovate existing spaces. The cost to upgrade the NSWC open tank facility for medical use is estimated at \$400K; the cost of moving NMRI's man-rated hyperbaric facilities from Bethesda to Panama City is estimated at \$4M.

o The analysis fails to account for the cost of conversion of NMRI spaces to new uses or for the cost of continuing to operate these facilities with new uses. Most of the diving medicine spaces are highly specialized and would be very costly to convert.

o The analysis does not allow for any recurring RMPA costs in either receiving location. Since the new Walter Reed is an additional building in the inventory, at least 20% of its projected RMPA costs should be included.

o The analysis appears to grossly overestimate the recurring BOS savings. With more than 80% of NMRI personnel transferring, BOS costs could not realistically decline from \$4313K to \$391K, a 91% reduction. On a per person basis, the BOS savings at NMRI are estimated at \$10,545/person while the BOS costs at NSWC and WRAIR are estimated at \$3271/person and \$616/person respectively. These disparate numbers reflect the fact that (1) BOS costs at the closing and receiving locations were estimated by different methodologies and (2) that the manning level of the Walter Reed base was grossly overestimated.

o The analysis does not consider the economic loss of writing off the modern specialized physical plant associated with the Diving Medicine Program. The current value of this plant is estimated at more than \$42M.

RECOMMENDATION: Verify the COBRA input and repeat the analysis. Isolate and analyze the cost/benefit ratio of realigning the Diving Medicine Program as a subset of the main analysis.

ISSUE: Consolidation of the Navy diving program may force closure of all but one of the Navy's manned diving facilities. Which facility should be retained?

BACKGROUND: The Navy currently operates three manned diving facilities for RDT&E, the Submarine Medical Research Laboratory (NSMRL), the Naval Medical Research Institute (NMRI), and the Navy Experimental Diving Unit (NEDU). Both NMRI and NEDU are major facilities with significant hardware assets (enclosure (1)).

POINTS:

o NSMRL has an old hyperbaric facility capable of only shallow diving. It should not be considered for retention.

o Both NMRI and NEDU operate large, modern manned-rated hyperbaric systems. The NMRI and NEDU systems both have 5 dry chambers and a wet pot. Both are fully capable of supporting both bounce and saturation diving. The maximum depth capability is 3370 fsw for the NMRI system; 2250 fsw for the NEDU system.

o Both the NMRI and NEDU wet pots are rated to 2250 fsw. The NEDU wet pot is approximately 13 times larger than the NMRI wet pot and is capable of accommodating a small submersible. The NEDU wet pot allows 6 exercising divers to be studied simultaneously while the NMRI wet pot allows only two. The NEDU wet pot, however, is much more expensive to maintain and operate than the NMRI wet pot. In addition it is rarely, if ever, used for submersible work.

o NMRI has a larger and more sophisticated hyperbaric treatment chamber than NEDU. It is capable of supporting multi-gas saturation treatments as well as experimental saturation dives to 300 fsw. The presence of this back-up chamber speeds decompression studies, largely compensating for the smaller size of the NMRI wet pot.

o NEDU does not have the environmental chambers or the fine temperature control on its open tank facility needed for medical research.

o NEDU has ready access to open water; NMRI does not.

o NMRI has major animal research assets not present at NEDU. Similarly, NEDU has major hardware testing assets not present at NMRI. Overall, moving NEDU's unmanned hyperbaric test facilities to NMRI would be cheaper and easier than establishing an animal research capability at NEDU.

RECOMMENDATION: Retain the NMRI facility because of its greater pressure capability, lower cost of operation and maintenance, and greater diversity of assets. Move unmanned equipment test assets from NEDU to NMRI.

NMRI-NEDU DIVING FACILITIES COMPARISON

ITEM	NMRI	NEDU
Net Square Footage	41,766	47,700
General Purpose Laboratories	14	1
Animal Hyperbaric Chambers	10	0
Animal Hydrogen Diving Facilities	2	0
Chamber Volume (cu.ft.)	6 & 200	N/A
Depth Capability (fsw)	2250 & 4000	N/A
Gas Purity Laboratories (GC/MS/FTIR capable)	1	0
Unmanned Hyperbaric Test Facilities	0	3
Chamber Volume (cu.ft.)	N/A	312, 423, & 964
Depth Capability (fsw)	N/A	1460 Maximum
Temperature Range (F)	N/A	28-150
Man-Rated Diving Facilities	1	1
Number Dry Chambers	5	5
Dry Chamber Volume (cu.ft.)	2279	2990
Dry Depth Capability (fsw)	2280 (3 chambers) 3370 (2 chambers)	2250
Number Wet Chambers	1	1
Wet Chamber Volume (cu.ft.)	555	7100
Wet Depth Capability (fsw)	2280	2250
Wet Chamber Occupancy Rating	2	6
Deep Test Pools	1	1
Dimensions (l x w x h)	30 x 15 x 15	30 x 15 x 15
Temperature Range (F)	35-100	35-95
Temperature Control	yes	no
Current Capability	no	yes
Dry Environmental Chambers	2	0
Temperature Range (F)	0-130	N/A
Wind Velocity (mph)	0-20	N/A
Humidity (%)	5-95	
Hyperbaric Treatment Chambers	1	1
Chamber Volume (cu.ft.)	1105	507
Depth Capability (fsw)	300	225
Clean Room Facilities (NSF)	1027	1700



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950419-15

FROM: <b>BILBRAY, BRIAN</b>	TO: <b>MULINER, JEFF</b>
ROLE: <b>U.S. REP (CA)</b>	TITLE: <b>NAVY ANALYST</b>
ORGANIZATION: <b>U.S. CONGRESS</b>	ORGANIZATION: <b>DBCRC</b>
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		①		COMMISSIONER STEELE			
DIR./COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		<i>byr</i>
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES				<b>JEFF MULINER</b>			⊗

TYPE OF ACTION REQUIRED

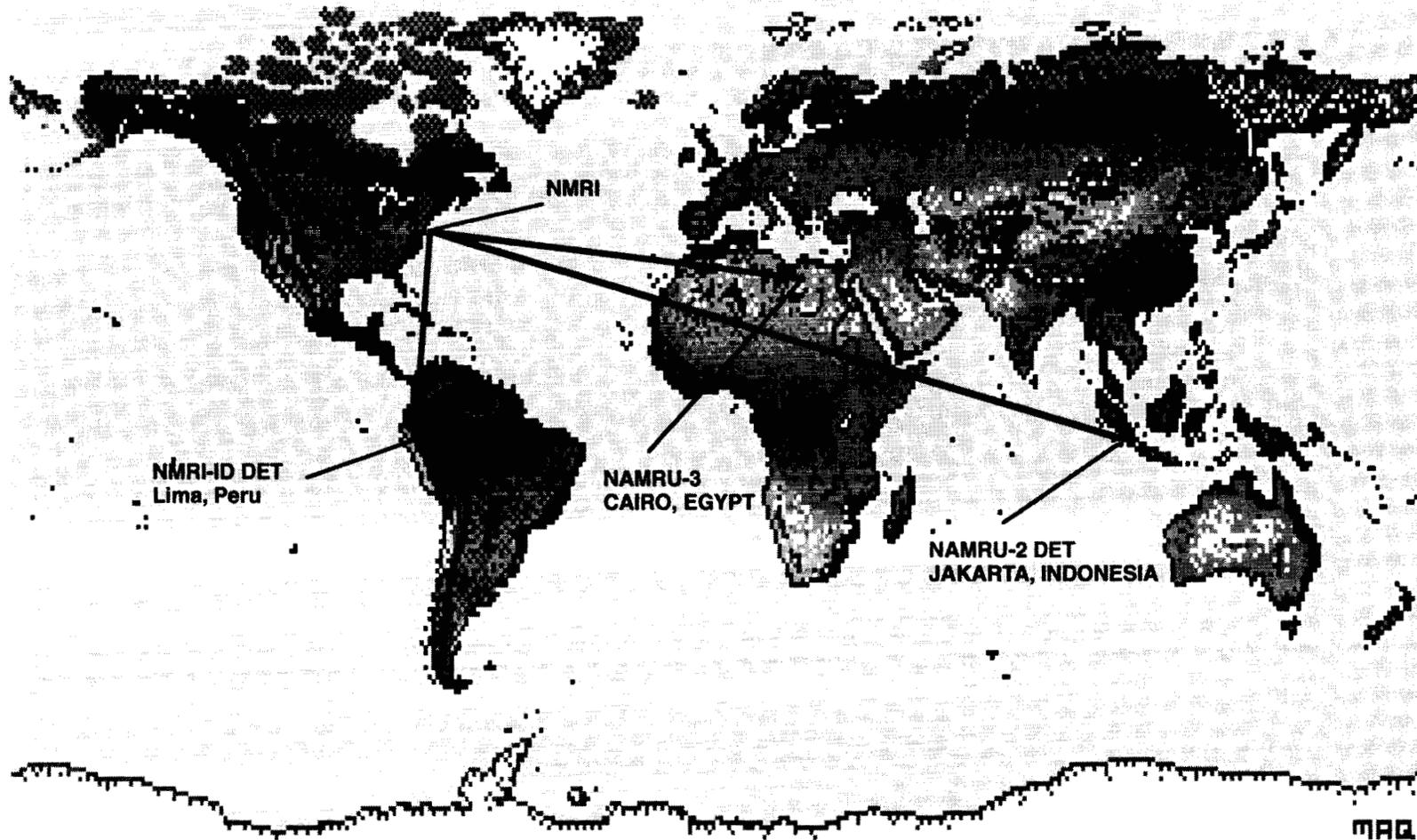
	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature	①	Prepare Direct Response
	ACTION: Offer Comments and/or Suggestions		FYI

Subject/Remarks:

Enclosed Documents regarding the Nat'l Health Research Center (NHRC) and the consolidation of Def. Med. Rsch. and Med. Material Dev. Report.

Date: <b>950422</b>	Routing Date: <b>950419</b>	Date Originated: <b>950418</b>	Mail Date:
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**NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND  
WORLDWIDE INFECTIOUS DISEASES RESEARCH LABORATORIES**

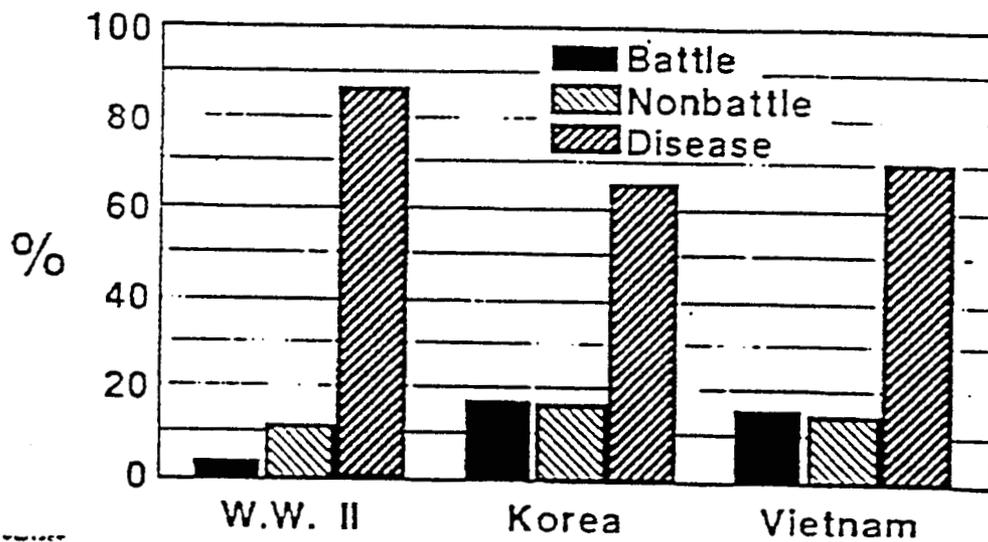




## **INFECTIOUS DISEASES DEPARTMENT**

**MISSION: TO PROMOTE AND CONDUCT RESEARCH FOR DEVELOPING THE MEANS TO PROTECT MEMBERS OF THE ARMED FORCES FROM ACQUIRING INFECTIOUS DISEASES AND THE MEANS TO TREAT INFECTIOUS DISEASE CASUALTIES IN ORDER TO MAINTAIN MAXIMAL OPERATIONAL CAPABILITY WITH MINIMAL MORBIDITY AND MORTALITY.**

### CAUSES OF HOSPITAL ADMISSIONS



Prior to 1981



1981-1994



Countries (in black) in the Americas that reported laboratory confirmed dengue hemorrhagic fever prior to 1981 and from 1981 to 1994.



THE

# JOURNAL

The National Naval Medical Center

February 18, 1993

Working with allied troops

## NMRI scientists fight diseases in Somalia

By Kevin Stierza  
*Journal editor*

Possible retaliation from rival factions in Somalia wasn't the only threat to American troops as they helped distribute food to the country's starving population. The troops also faced the danger of infectious diseases prevalent in that part of the world.

To help control the problem, the Naval Medical Research Institute (NMRI) helped establish an infec-

tious disease diagnostic lab as part of the Joint Medical Task Force in Mogadishu.

"Infectious diseases in Somalia could have an impact on the mission of our troops over there," said Curtis Hayes, Ph.D., of NMRI's infectious disease division. "The idea was to set up a diagnostic laboratory that would be able to rapidly diagnose any infectious diseases that occurred in deployed forces. This, in turn, allows the preventive medicine people to put measures into place preventing epidemics

from occurring." A similar lab was set up during Operation Desert Storm/Sinn, in 1991.

Three NMRI scientists made up part of the lab's team — Lieutenant Commander Thomas Sharp, MC, Lieutenant Commander James Huram, MSC and Lieutenant Scott Thomson, MSC. Other team members included Lieutenant Commander Roger Bacheim, MSC, Naval Medical Research Unit No. 3 (NAMRU-3), Cairo, Egypt and Lieutenant Dennis Rozmajel, MSC, Navy Environmental and Preventive

Medicine Unit No. 7, Naples, Italy. Diagnostic reagents were also supplied by the U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Md.

Captain Louis Bourgeois, MSC, a co-worker with Hayes, said the Naval Medical Research and Development Command through NAMRU-3, Cairo, had sponsored infectious disease research in Somalia from 1981-89.

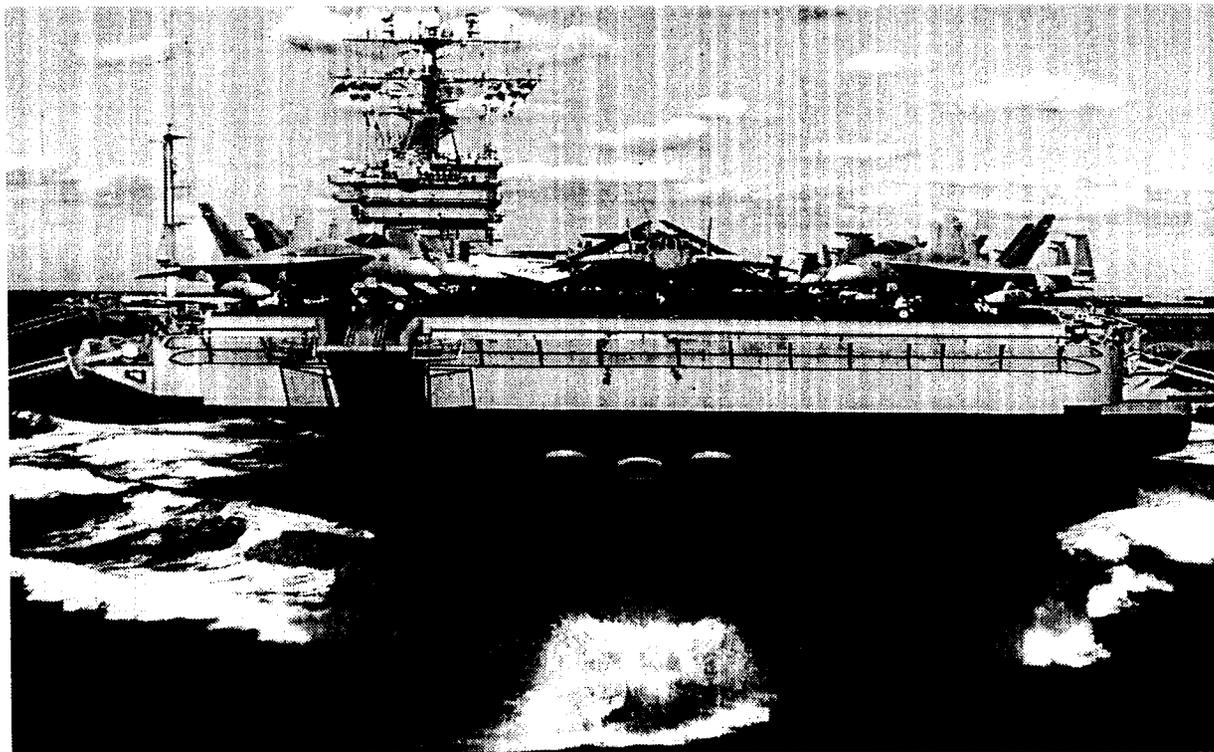
"In cooperation with the Somali Ministry of Health and the United

See SOMALIA, page 4

# NAVY INFECTIOUS DISEASES RESEARCH PROGRAM

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**...FROM THE SEA**



**PREPARING THE NAVAL SERVICE FOR THE 21st CENTURY**  
**“Swift to Respond, on Short Notice, to Crises in Distant Lands”**



THE JOINT STAFF  
WASHINGTON, DC

Reply ZIP Code:  
20315-0800

DJSM-291-95  
8 March 1995

MEMORANDUM FOR: Assistant Secretary of Defense (Health Affairs)  
Director, Defense Research and Engineering

Subject: Medical Categories for Technology Emphasis

1. Our warfighting strategy has changed from fighting a global war to one of fighting regional conflicts with predominantly a CONUS-based force. Tomorrow's forces must be lighter, more versatile, and more mobile than today's forces.
2. To strengthen our warfighting capacity, the deployable health service support structure of our Services must reduce its in-theater footprint and its demand for lift. Our new doctrine will emphasize preventive medicine to reduce casualties resulting from disease and non-battle injuries, immediate life-saving treatment, resuscitative care and stabilization, and evacuation of casualties to definitive care at CONUS-based fixed facilities. We anticipate far fewer lengthy in-theater hospital stays.
3. We have a potential for savings in deployed medical infrastructure and end strength, as well as reduced requirements for strategic and tactical lift for deployment and sustainment. DOD research and development should facilitate our movement to adopt these new doctrinal approaches. The Joint Staff requests future R&D emphasis on programs which best enhance the concepts presented above. Request priority funding for those areas which support new doctrine: health promotion and maintenance; prevention and treatment of diseases and non-battle injuries; immediate life-saving treatment, resuscitative care and stabilization of combat casualties; rapid casualty evacuation with maintenance of medical support; and smaller, lighter medical equipment sets with accompanying support equipment such as shelters, power generation, and environmental control systems.

# ORGANIZATIONAL STRUCTURE FOR PRIORITIZING AND ALLOCATING FUNDS FOR ID RESEARCH

THE ARMED SERVICES BIOMEDICAL RESEARCH EVALUATION AND MANAGEMENT (ASBREM) COMMITTEE

---



JOINT TECHNOLOGY COORDINATING GROUP #2



ID JOINT WORKING GROUP



ID STEERING COMMITTEES  
(Malaria, ETEC, Dengue, etc.)



ARMY & NAVY RESEARCH LABORATORIES

NAVAL MEDICAL RESEARCH INSTITUTE  
(NMRI)  
BETHESDA, MARYLAND

INFECTIOUS DISEASES DEPARTMENT (IDD)

NMRI/IDD IS THE NAVY'S PREMIER INFECTIOUS DISEASE  
RESEARCH FACILITY

- 120 STAFF MEMBERS
- ≈ \$9,000 K

Five Major Research Divisions

1. Malaria
2. Enterics
3. Viral & Rickettsial Diseases
4. Threat Assessment
5. Biological Defense

NMRI/IDD

MAJOR INFECTIOUS DISEASES RESEARCH EFFORTS:

I. MALARIA

FALCIPARUM

VIVAX

II. ENTERIC DISEASES

CAMPYLOBACTER

E. COLI

CHOLERA

NORWALK

III. VIRAL DISEASES

DENGUE

HEPATITIS E

HIV

IV. RICKETTSIAL DISEASES

SCRUB TYPHUS

V. BIOLOGICAL DEFENSE

ANTHRAX

PLAGUE

TULAREMIA

ETC.

NMRI/IDD

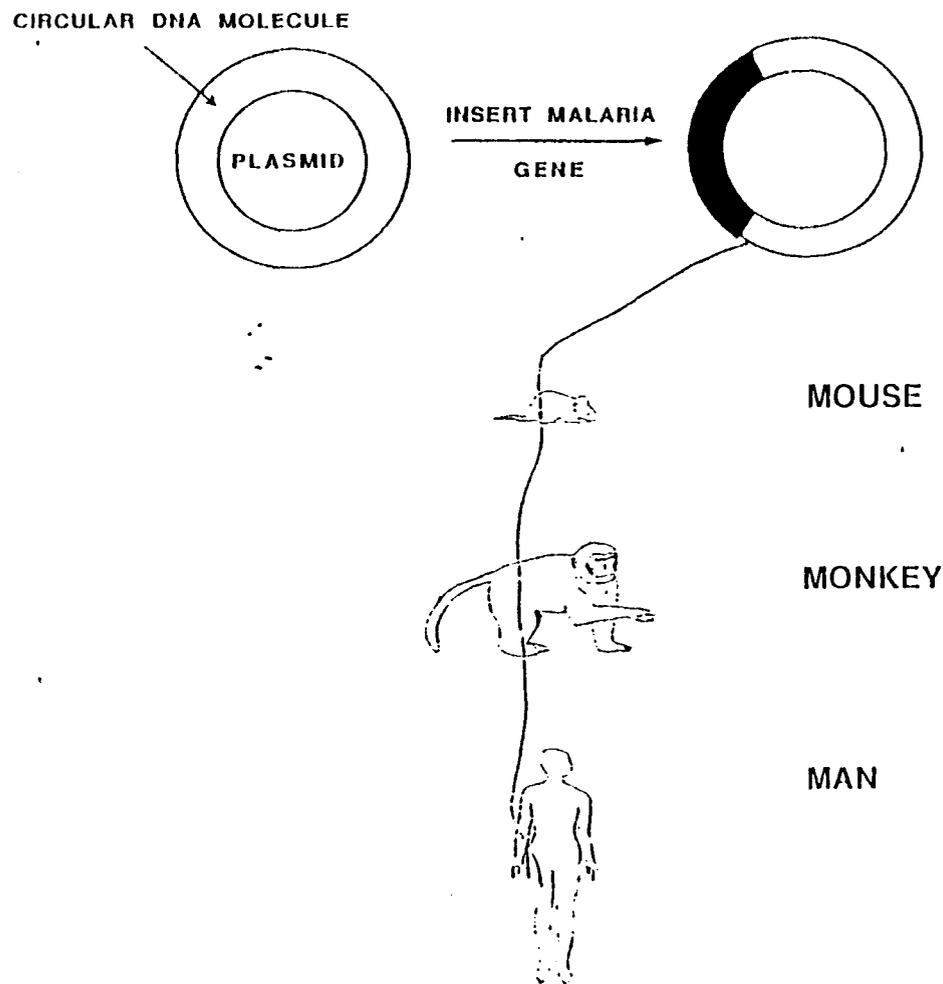
RESEARCH EFFORTS RANGE FROM BASIC TO APPLIED

End Products of Research:

- VACCINES
- PROPHYLACTIC/THERAPEUTIC DRUGS
- DIAGNOSTIC TESTS
- RISK ASSESSMENT

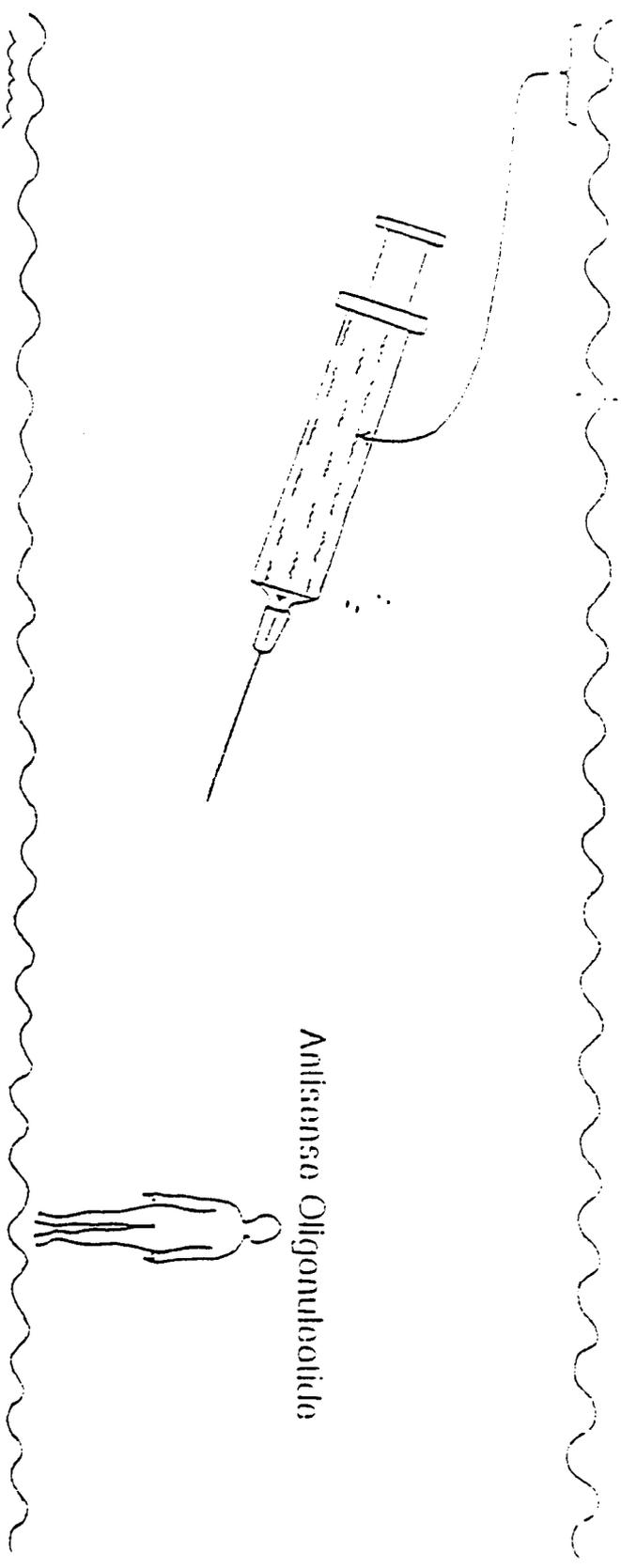
# NAVY INFECTIOUS DISEASES RESEARCH PROGRAM

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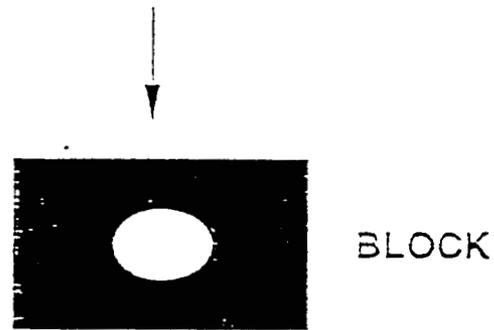
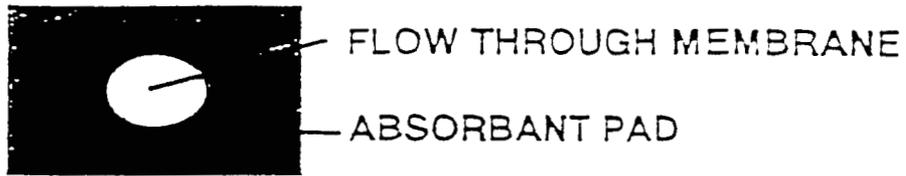
# Antisense Oligonucleotides as Therapeutic Drugs

Dengue Virus Genome = ssRNA



Virus Replication Inhibited

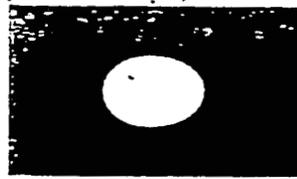
# FLOW THROUGH ASSAY



ADD SAMPLE TO  
ANTI - PA LABELED  
COLLOIDAL GOLD



POSITIVE  
(RED COLOR)



NEGATIVE  
(NO COLOR)

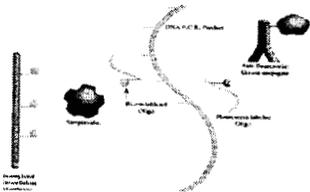
# NAVY INFECTIOUS DISEASES RESEARCH PROGRAM

## OPERATIONAL SUPPORT

Forward Deployed Laboratory

Desert Storm/Shield      Bright Star  
Operation Restore Hope    Cobra Gold  
Balanced Torch

Rapid diagnostics



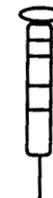
## EMERGING DISEASE SURVEILLANCE

Norwalk virus      Hepatitis E/F  
Oropouche virus    H. Pylori  
Rift Valley fever



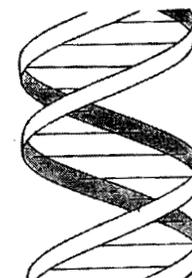
## MILITARY READINESS

Malaria vaccines  
Campylobacter vaccines  
enterotoxigenic E. coli vaccines  
Dengue vaccines



## INNOVATIVE TECHNOLOGY

Naked DNA vaccines  
Oral mucosal adjuvants







DEPARTMENT OF THE NAVY

AL 1  
4 RC  
2A 3

FER TO:

91 - Pick up address memo -  
 need more people  
 MEM - Split into 2 parts -  
 differ -  
 From: FEA - multiple divs - 10-15 divs  
 To: MD - 55,000 - 47K by 11/90  
 15K ann 11/90  
 Subj: 5 separate big chambers - multiple systems  
 Ref:

No hydrograph  
 Test pool -> depths  
 EMI is room  
 Floor can get wet ->

- Encl: (1) Relocation of NMRI to NEDU Location  
 (2) Minor Construction Alternative  
 (3) MILCON Alternative

- 60 divs + 20  
 - decommission dive school -> 10/15/98  
 i test / work

1. Enclosures (1) through (3) are provided to assist accurate estimate of the funding required to move you from Bethesda, MD to the Navy Experimental Diving U FL. These estimates are based upon the space require the environmental/thermal room, and laboratory equipr estimates carefully to ensure that they adequately satisf functions to be relocated.

2. During reference (a), Capt Ward indicated that BRA construction could become available as early as FY 96. designs will get initial construction funding. The preferred MILCON alternative of enclosure (3). Funding for design relocating activity since they will save on future operating expedite design funding to ensure obligation prior to fisca as soon as funding is received, Public Works personnel v prepare a more accurate estimate and scope of work.

3. If you have any questions, please contact my Staff C LT Scott Lister at (904) 230-3100.

J. NELSON  
 By direction

Copy to:  
 NAVSEA OOC  
 NMRDC  
 CNO N873  
 CSS 360F

00 \_\_\_\_\_  
 09 14 \_\_\_\_\_  
 01 A \_\_\_\_\_  
 11 JWC \_\_\_\_\_  
 OOSA \_\_\_\_\_  
 COPY TO \_\_\_\_\_

MR. CHANDLER  
 11/15/98  
 NOV 15 1998

PROPOSED RELOCATION OF NMRI FROM BETHESDA MD TO THE NAVAL EXPERIMENTAL DIVING UNIT, PANAMA CITY FL.

FACILITIES AND EQUIPMENT COST SUMMARY (PRELIMINARY)

FACILITIES:	COST
1. CONVERSION OF BUILDING 410 FOR NMRI PERSONNEL COST INCLUDE NEW SYSTEM FURNITURE, AND TELEPHONE, LOCAL AREA NETWORK INSTALLATION.	\$ 70,000.00
2. CONVERSION OF BUILDING 411 FOR NMRI PERSONNEL, COST INCLUDE NEW SYSTEM FURNITURE AND TELEPHONE, LOCAL AREA NETWORK INSTALLATION.	\$ 70,000.00
3. CONSTRUCTION OF A 3500 SF (APPROX) BUILDING FOR CSS PERSONNEL DISPLACED BY CONVERSION OF BLDG 411 FOR NMRI PERSONNEL	\$300,000.00
4. CONVERSION OF BUILDING 108 TO NMRI LAB SPACE. CONST INCLUDE CONSTRUCTION OF 3500 SF (APPROX) ADDITION PLUS REPAIRS TO THE EXISTING BUILDING	\$500,000.00
5. PHYSICAL TRAINING AREA IN BUILDING 300. COST INCLUDE MODIFICATION TO EXISTING SPACE TO PROVIDE SPACE DIVERS TO UNDERGO STRESS TEST DURING DIVING EXPERIMENTS. CONSTRUCTION OF MEZZANINE AREA MAY BE	\$300,000.00
6. EXPAND DIVE LOCKER TO SUPPORT NMRI DIVERS. PROJECT WILL EXPAND EXISTING DIVE LOCKER.	\$200,000.00
7. PARKING, PROJECT WILL PROVIDE APPROX 50 PARKING SPACES FOR NMRI PERSONNEL. CURRENTLY THERE IS NO AVAILABLE PARKING AREA AT NEDU OR CSS TO ACCOMMODATE THE ADDITIONAL PERSONNEL.	\$150,000.00

EQUIPMENT INSTALLATION:

1. TO DATE THE ONLY EQUIPMENT IDENTIFIED FOR TRANSFER ARE SEVERAL TEMPERATURE CHAMBERS, HOWEVER BASED ON PAST EXPERIENCE THERE WILL PROBABLY BE ADDITIONS TO THE LIST.	\$400,000.00
--	--------------

SUBTOTAL: (INCLUDES SIOM)	\$1,890,000.00
CONTINGENCY (10%):	\$ 189,000.00
TOTAL	\$2,179,000.00

SAY \$2.2 MILLION

Post-It® brand fax transmittal memo 7571 # of pages 1

To	LT. LISTER
From	H. STANLEY
Co.	CSS PUBLIC WORKS
Dept.	
Phone #	
Fax #	

Enclosure (2)

DESIGN COST:

- |  |                |
|--|----------------|
| 1. THIS INCLUDES COST FOR HIRING PRIVATE CONTRACTORS TO PREPARE FINAL PLANS AND SPECS FOR FACILITIES AND EQUIPMENT INSTALLATION. COST BASED ON 20% OF CONSTRUCTION COST. | \$420,000.00   |
| 2. CSS PUBLIC WORKS OVERHEAD COST FOR ADMINISTRATION PLANNING AND PROJECT MANAGEMENT.  | \$200,000.00   |
| 3. MISC COST INCLUDING PURCHASE OF ADDITIONAL (NOT INCLUDED ABV) SYSTEM FURNITURE AND EXECUTIVE FURNITURE AS REQUIRED. ALSO MISC EQUIPMENT PURCHASES (COMPUTERS, ETC).   | \$400,000.00   |
| TOTAL FACILITIES/EQUIPMENT COST -----  | \$3,220,000.00 |

DRAFT

MILCON ALTERNATIVE:

FACILITIES:

- 1. CONSTRUCT APPROX 15,000 SF BUILDING FOR LAB, DIVE LOCKER, PHYSICAL TRAINING, AND SUPPORT SPACE. (ASSUME \$120.00/SF AT SITE A) \$1,800,000.00
- 2. CONVERSION OF BUILDING 410 FOR NMRI PERSONNEL COST INCLUDE NEW SYSTEM FURNITURE, AND TELEPHONE. LOCAL AREA NETWORK INSTALLATION. \$ 70,000.00
- 7. PARKING. PROJECT WILL PROVIDE APPROX 50 PARKING SPACES FOR NMRI PERSONNEL. CURRENTLY THERE IS NO AVAILABLE PARKING AREA AT VEOU OR CSS TO ACCOMMODATE THE ADDITIONAL PERSONNEL. \$150,000.00

EQUIPMENT INSTALLATION:

- 1. TO DATE THE ONLY EQUIPMENT IDENTIFIED FOR TRANSFER ARE SEVERAL TEMPERATURE CHAMBERS. HOWEVER BASED ON PAST EXPERIENCE THERE WILL PROBABLY BE ADDITIONS TO THE LIST. \$400,000.00

SUBTOTAL: (INCLUDES SIOH) \$2,420,000.00  
 CONTINGENCY (10%): \$ 242,000.00  
 TOTAL \$2,662,000.00

SAY \$2.7 MILLION

DESIGN COST:

- 1. THIS INCLUDES COST FOR HIRING PRIVATE CONTRACTORS TO PREPARE FINAL PLANS AND SPECS FOR FACILITIES AND EQUIPMENT INSTALLATION. COST BASED ON 20% OF CONSTRUCTION COST. \$540,000.00
- 2. CSS PUBLIC WORKS OVERHEAD COST FOR ADMINISTRATION PLANNING AND PROJECT MANAGEMENT. \$200,000.00
- 3. MISC COST INCLUDING PURCHASE OF ADDITIONAL (NOT INCLUDED ABV) SYSTEM FURNITURE AND EXECUTIVE FURNITURE AS REQUIRED. ALSO MISC EQUIPMENT PURCHASES (COMPUTERS, ETC). \$400,000.00

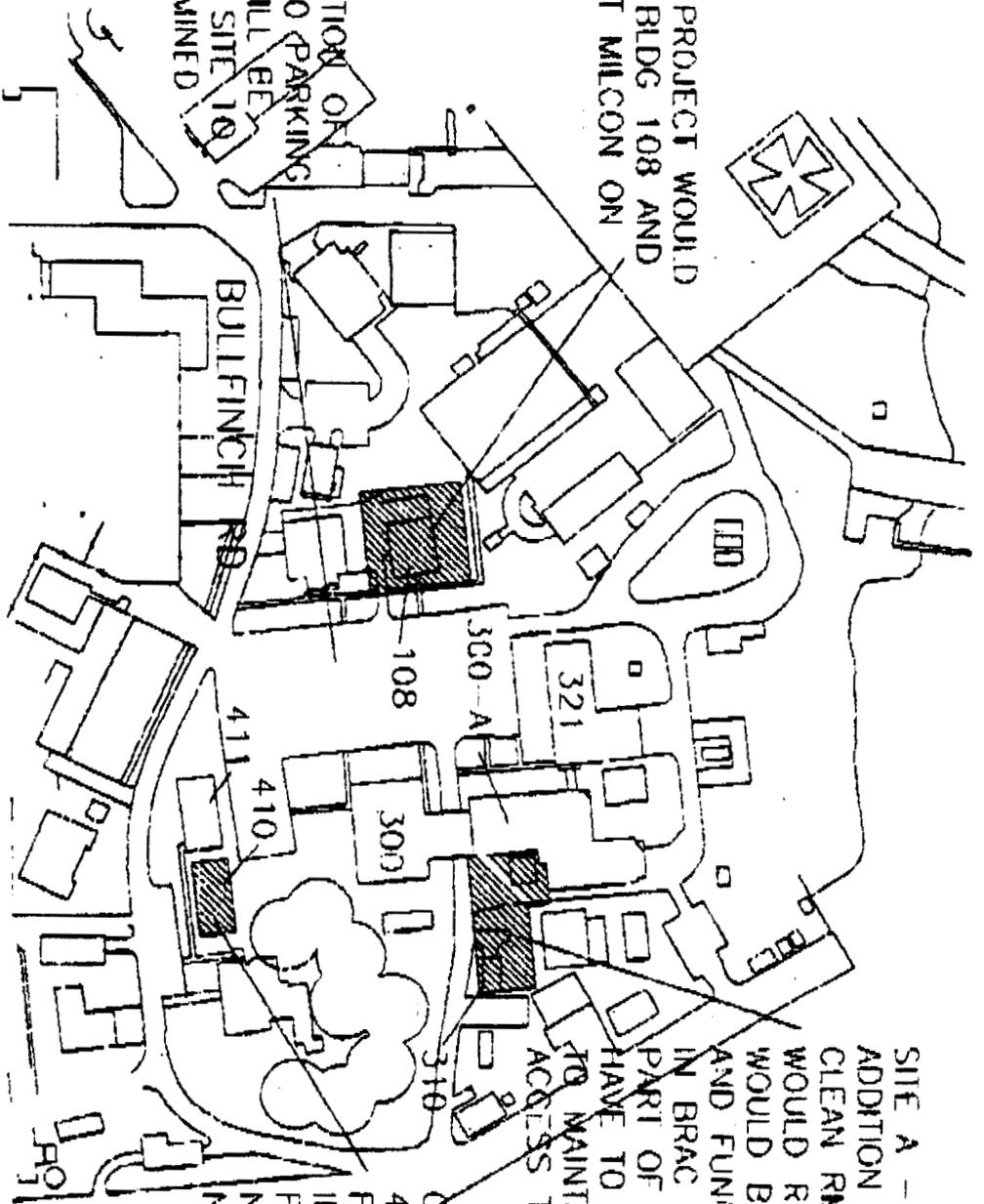
TOTAL FACILITIES/EQUIPMENT COST -----\$3,840,000.00

NOTE: THE COST LISTED ARE BASED ON OUR BEST GUESS AT THIS TIME. WITH OUT MORE DETAILED INFORMATION ON FACILITY REQUIREMENTS, PERSONNEL, AND EQUIPMENT IT IS IMPOSSIBLE TO GIVE AN ACCURATE ESTIMATE.

1 DRAFT

SITE B - PROJECT WOULD  
DEMOLISH BLDG 108 AND  
CONSTRUCT MILCON ON  
THE SITE?

CONSTRUCTION OF  
APPROX 50 PARKING  
SPACES WILL BE  
REQUIRED SITE TO  
BE DETERMINED

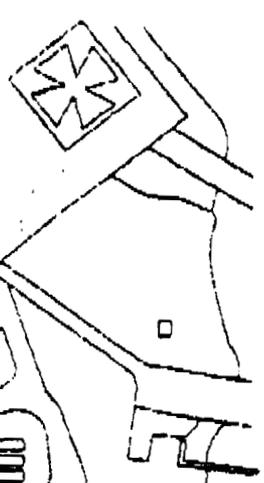


SITE A - CONSTRUCT  
ADDITION TO BLDG 300-A  
CLEAN RM BLDG 407  
WOULD REMAIN BLDG 310  
WOULD BE DEMOLISHED  
AND FUNCTION INCLUDED  
IN BRAC MILCON.  
PART OF BLDG WOULD  
HAVE TO BE ELEVATED  
TO MAINTAIN TRUCK  
ACCESS TO BLDG 300

CONVERT BLDG  
410 TO NEDU USE  
FOR ADMIN SPACE  
INSTALL NEW SYS  
FURNITURE AND  
NEDU LOCAL AREA  
NETWORK

COASTAL SYSTEMS STATION  
PANAMA CITY, FLORIDA 32407

RELOCATION OF NMRI TO NEDU  
MILCON ALTERNATIVE  
SITE MAP



CONVERT BLDG 108 TO  
 NEDU USE FOR LABS AND  
 SUPPORT SPACE MAY REQUIRE  
 CONSTRUCTION OF 3000 SF  
 ADDITION

CONSTRUCTION OF  
 APPROX 50 PARKING  
 SPACES WILL BE  
 REQUIRED, SITE TO  
 BE DETERMINED

CONSTRUCTION OF 3500 SF  
 BLDG TO REPLACE 411 WILL  
 BE REQUIRED. SITE TO BE  
 DETERMINED

EXPAND EXISTING DIVE  
 LOCKER ON SECOND FL  
 AND ADD PHYSICAL TRAINING  
 AREA SECOND FL

CONVERT BLDG 411/  
 410 TO NEDU USE  
 INSTALL NEW SYS  
 FURNITURE AND NEDU  
 LOCAL AREA  
 NETWORK

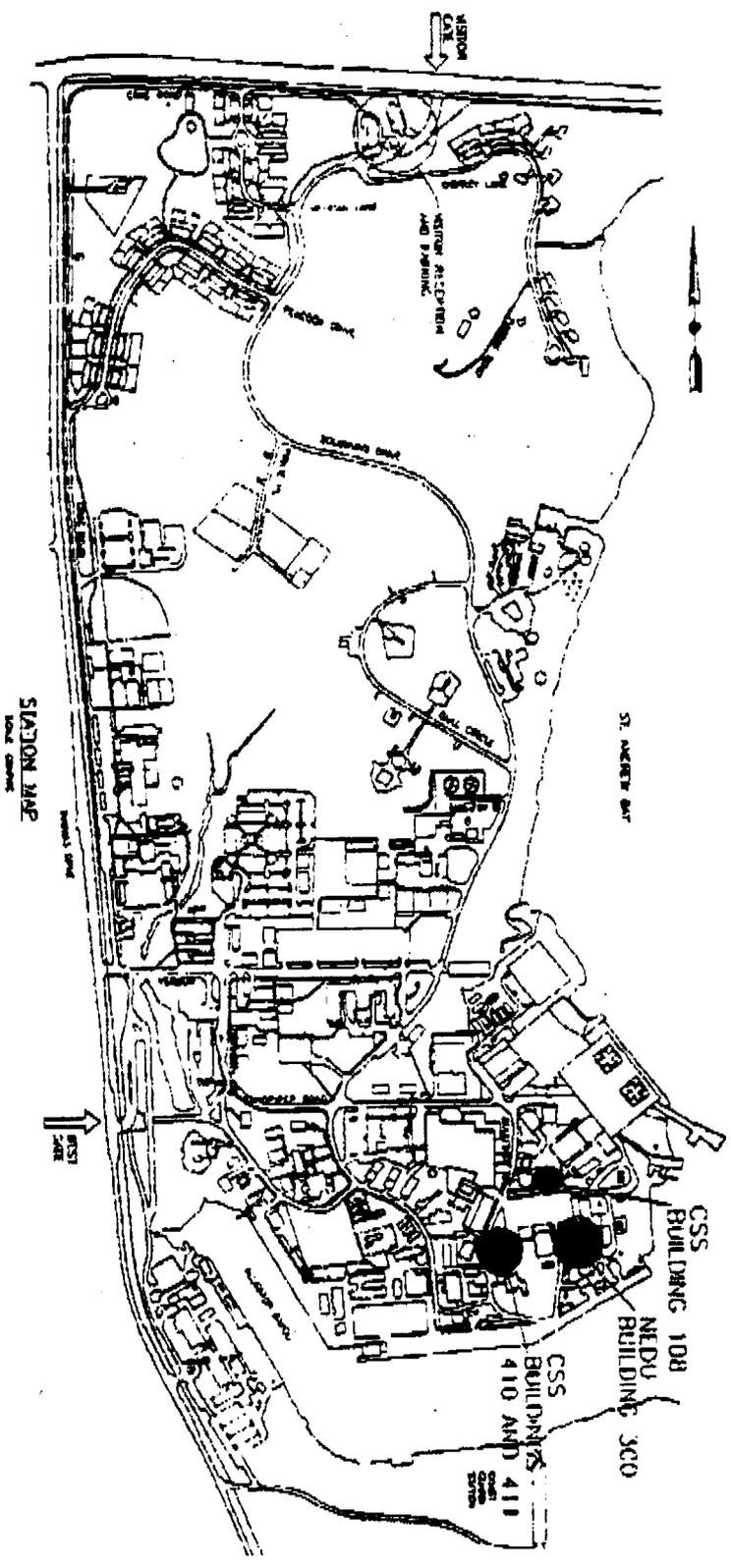
NOT TO SCALE

COASTAL SYSTEMS STATION  
 PANAMA CITY, FLORIDA 32407

RELOCATION OF NMRI TO NEDU  
 FACILITY RENOVATION/ALTERATIONS  
 SITE MAP

COASTAL SYSTEMS STATION  
PANAMA CITY, FLORIDA 32407

RELOCATION OF NMRI TO NEDU  
PROPOSED FACILITY CHANGES  
LOCATION MAP



6 April 1995

Leon Greenbaum, Ph.D.  
Undersea and Hyperbaric Medical Society  
10531 Metropolitan Ave.  
Kensington, MD 20895-2627  
301-942-2980  
Fax 301-942-7804

Dear Lee,

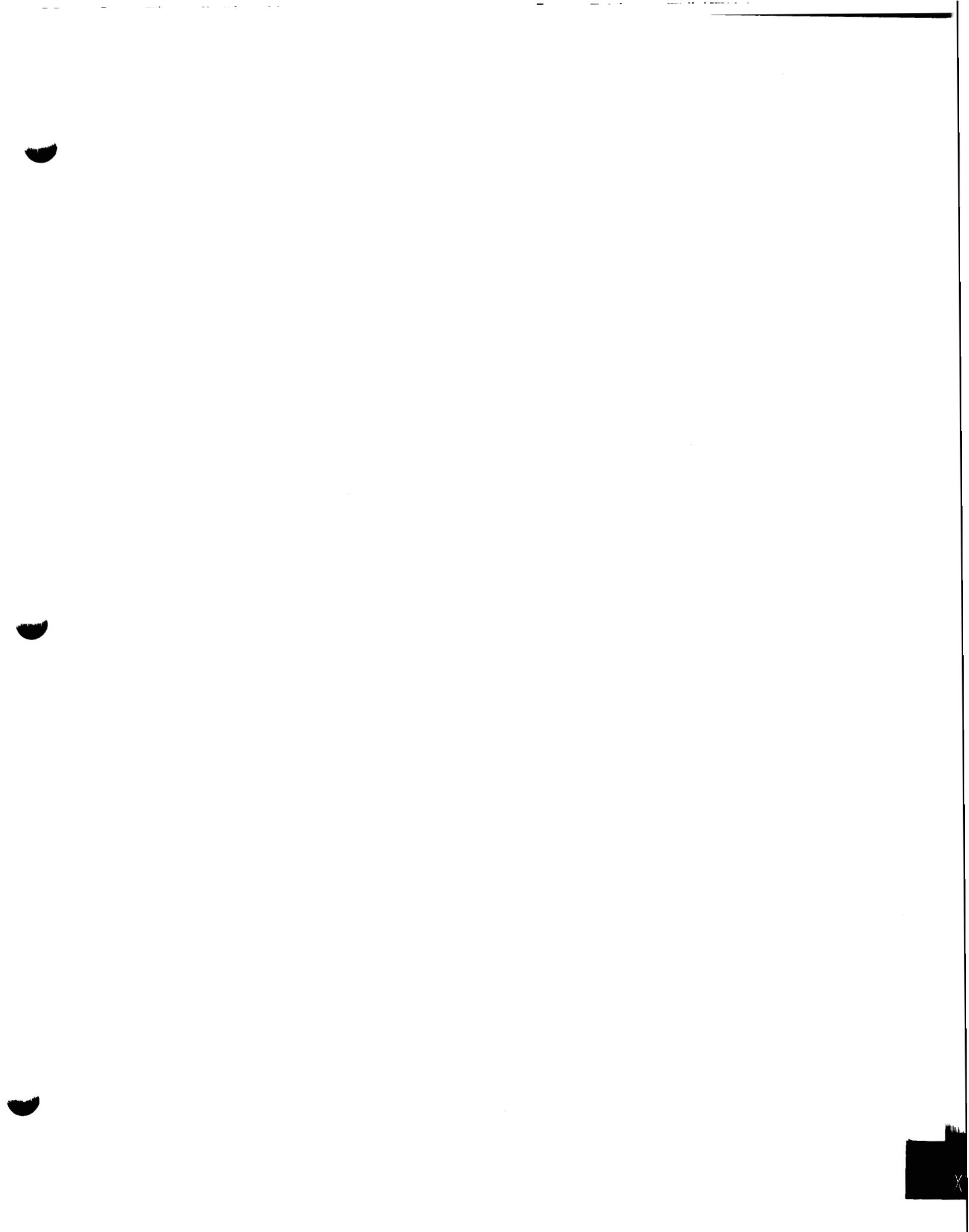
When we spoke on Monday you asked me for a description of the impact on current and planned USSOCOM biomedical research if NMRI is closed and all U.S. Navy manned diving research is moved down to the Navy Experimental Diving Unit.

Let me preface my remarks by saying that I am already frustrated at how long it takes to obtain time in the Ocean Simulation Facility (OSF) at NEDU. We had to wait approximately 18 months to get OSF time for the Surface Interval Oxygen decompression study that (I hope) will be undertaken at NEDU in January of 1996. This is the baseline situation at NEDU before any additional workload is superimposed.

We have at least 4 major manned diving studies coming up in the next several years that will be adversely impacted by closing NMRI:

- (1) Thermal Protection and Diver Performance in SOF  
Combat Swimmers
- (2) Reduction of Oxygen Toxicity Risk with Modified  
Draeger LAR V Operating Procedures
- (3) Altitude Diving
- (4) Flying after Diving

Funding should be available for all of these studies within the next two or three fiscal years. If NMRI closes, however, I anticipate two to four year delays in starting each these projects because of a scarcity of OSF time. As you can see in the attached potential project list, there are a number of additional topics relating to decompression, oxygen toxicity, and diver thermal protection which are candidates for funding. These other projects will probably be delayed indefinitely and the money spent in other areas if the diving medical research facility at NMRI closes.



BRIAN P. BILBRAY  
49TH DISTRICT, CALIFORNIA

**Congress of the United States**  
**House of Representatives**  
Washington, DC 20515-0549

950419-15

April 18, 1995

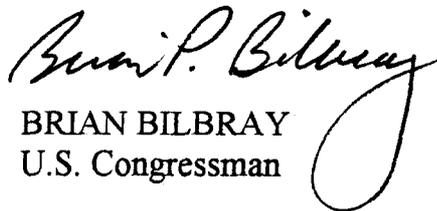
Mr. Jeff Muliner  
1700 North Moore Street  
Rosslyn, VA 22209

Dear Jeff:

I have enclosed several documents regarding the National Health Research Center (NHRC) for your information. The Consolidation of Defense Medical Research and Medical Material Development Report has also been enclosed for your use.

Please contact Greg Stein in my Washington office at (202) 225-2040 if you require any additional information.

Sincerely,

  
BRIAN BILBRAY  
U.S. Congressman

BB:mb  
enclosures

**ISSUE:** What is the role of the Naval Health research Center (NHRC), San Diego, in the consolidation of all military medical R&D into the Armed Forces Medical R&D Agency (AFMRDA)?

**BACKGROUND:**

- o Consolidation being coordinated through Armed Services Biomedical Research Evaluation and Management Committee, established by Congress in 1980.
- o Consolidation endorsed by USD(A), ASD (HA), DDR&E, Service Assistant Secretaries RDA, and Service Surgeons General.
- o Objective: maintain essential medical R&D capabilities not available from other sources while reducing redundancy and unifying the DoD medical R&D facility chain of command.
- o NHRC provides unique capability:
  - to medical fleet support and medical readiness (e.g., casualty rate projection, epidemiologic health threat R&D, medical/dental allowance list development)
  - to operating forces (e.g., Navy HIV data base, organizational policy support, smoking cessation R&D, and health promotion R&D)
- o NHRC's value is dependent upon location in San Diego; it is the only DoD medical R&D facility on the west coast.
  - proximity to multiple operational and training communities
  - ties to necessary data bases (took decades to establish)
  - access to assets/support at Navy teaching hospital and environmental & preventative medicine unit

**DISCUSSION:**

- o Alternative Cities are unsuitable to sustain NHRC capability (e.g., Memphis TN, Natick MA, Forest Glen MD) in AFMRDA.
- o Availability of other facilities in San Diego Would enable NHRC to vacate barracks location per BRAC; however, these barracks facilities are not affected by BRAC '95 actions.

**RECOMMENDATION:** Sustain NHRC-like capability in the San Diego area and consolidate it within the Armed Forces Medical R&D Agency.



DEPARTMENT OF THE ARMY  
U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND  
FORT DETRICK, MARYLAND 21702-5012



REPLY TO  
ATTENTION OF:

S: 2 December 1994

MCMR-ZD (70)

30 November 1994

MEMORANDUM FOR MEMBERS OF THE MEDICAL R&D CONSOLIDATION WORKING  
GROUP

SUBJECT: Implementation Planning for Consolidation in the New  
Medical Research Facility at Forest Glen, MD

1. The Armed Services Biomedical Research Evaluation and Management (ASBREM) Committee established the Medical RDA-21 Project Office to assess DOD medical research, development, test, and evaluation capabilities and recommend options for consolidation of medical research and development within an Armed Forces Medical Research and Development Agency (AFMRDA). The Director, Defense Research and Engineering and the Assistant Secretary of Defense (Health Affairs), after consultation with the Service Acquisition Executives, have approved implementation and staffing of an option for consolidation with the Army as Executive Agent. The ASBREM Medical RDA-21 Project Office, under the day-to-day oversight and direction of the Army Representative to the ASBREM Secretariat, and in coordination with his Service counterparts, is tasked with developing a detailed implementation plan to support provisional establishment of the AFMRDA in the March to April 1995 timeframe. The Medical Research and Development Consolidation Working Group (CWG) is to advise the ASBREM Medical RDA-21 Project Office on DOD laboratory research and development (R&D) capabilities required by the AFMRDA.
2. The CWG has six functional teams, they are:
  - a. Infectious Disease Research Team
  - b. Combat Casualty Care Research Team
  - c. Military Operational Medicine Team
  - d. Medical NBC Defense Team
  - e. Process Oversight and Function Integration Team
  - f. Administrative Integration Team
3. Individual team members may be reviewed at enclosure. The first five teams (i.e., 2a-e) of the CWG are scheduled to meet on 12, 13, 14, & 15 December 1994, in the Frederick, Maryland

MCMR-ZD

SUBJECT: Implementation Planning for Consolidation in the New Medical Research Facility at Forest Glen, MD

vicinity. Their immediate objective is to identify the following:

a. Medical R&D functions required to support the mission of the new consolidated organization.

b. Supporting science and technology (S&T) capabilities.

c. Minimal staffing and related laboratory facilities that will be housed in the new medical research building at Forest Glen, MD.

4. The primary focus of the first series of meetings is to assess the "fit" of required S&T capabilities against the current design for the new facility and define any required design changes. Design changes must be completed by the end of January 1995, in order to incorporate such changes in plans that will be sent to bidders for Phase 2 of the construction project. This timeline requires conducting this important exercise on a compressed schedule.

5. Please confirm your willingness and ability to participate as a member of the CWG with the Project Office NLT 2 December 1994. Additional guidance on the CWG tasking and general information on the 12-15 December meeting will be provided to you NLT 5 December 1994. If CWG team members are unavailable for this meeting, it is requested that they suggest an alternative representative with similar background and skills.

6. Point of contact for this action is the undersigned at 301-619-7377 or DSN 343-7377, or LTC Claude Woodard at 301-619-7364 or DSN 343-7364.

Encl

JOHN F. GLENN  
COL, MS  
Army Representative ASBREM  
Secretariat

CF (w/o encl):  
Dr. Osterman  
Dr. Martin

# NMRI-WRAIR CONSOLIDATION WORKING GROUP

## FUNCTIONAL TEAMS

### Medical NBC Defense Team

COL Jim Little - Team Chief  
 CAPT Eric Kearsley  
 COL Brian Schuster  
 COL Wallace Baze  
 CDR Jim Burens  
 LTC David Moore  
 LTC David Penetar  
 LTC John Wade  
 LCDR Paul Knechtges  
 Dr. Anna Johnson-Winegar  
 Dr. Charles Hoover  
 Dr. Carol Linden  
 Dr. Robert Reyes

### Combat Casualty Care Research Team

CAPT Robert Gaugler - Team Chief  
 COL Robert Smallridge  
 COL Barbara Alving  
 CAPT Carl Junc  
 CAPT Robert Hartzman  
 CAPT Sheila Weinburg  
 COL Steve Hursh  
 LTC Chuck Yawler  
 LTC Robert Burr  
 CDR Lyn Yaffe  
 MAJ Stephen Bruttig  
 Dr. Fred Pearce  
 Dr. John Thomas

### Military Operational Medicine Team

CAPT Robert Carter - Team Chief  
 COL Robert Gifford  
 COL Gregory Belenkey  
 COL Joel Hiatt  
 COL Dennis Shanahan  
 COL Garrett Polhamus  
 CAPT David Macys  
 CDR Ken Still  
 CDR Mike Lilienthal  
 CDR Michael Curley

CDR Angus Rupert  
 CDR Ed Marcinik  
 LT Dave Gummin  
 Dr. David Erwin  
 Dr. Stephen Nice

*NHRC  
Employee*

### Infectious Disease Research Team

COL William Bancroft - Team Chief  
 COL John Boslego  
 CAPT Richard Hibbs  
 CDR Charlie Schlagel  
 Dr. Peter Jahrling  
 Dr. Curt Hayes

### Process Oversight and Function Integration Team

COL John Glenn - Team Chief  
 CAPT Thomas Jones  
 COL Fred Tyner  
 COL Martin Crumrine  
 COL Richard Jones  
 CAPT Doug Ehrhardt  
 CAPT Mike Parsons  
 CAPT William Bishop  
 COL Gerald Jaax  
 COL Henry Fein



## OFFICE OF THE SECRETARY OF DEFENSE

WASHINGTON, D.C. 20301

NOV 1994

MEMORANDUM FOR SECRETARY OF THE ARMY  
SECRETARY OF THE NAVY  
SECRETARY OF THE AIR FORCE

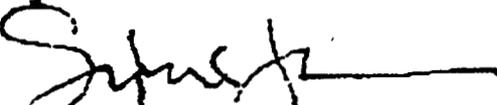
SUBJECT: Medical R&D Laboratory Consolidation

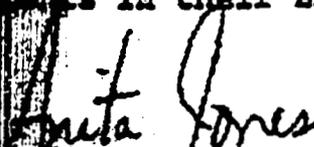
On 1 November 1994, we met with the Service Acquisition Executives to review a proposal developed through the Armed Services Biomedical Research, Evaluation and Management Committee (ASBREM), for a jointly staffed, consolidated Armed Forces Medical Research and Development Agency with the Army as Executive Agent. We recommend that this consolidation, depicted in the attachment, be implemented.

The proposed organization would serve as the single agency for DoD medical R&D, including Military Operational Medicine, as shown in the attachment. Biomedically related research falling outside the defined mission areas and execution responsibility of the new organization would continue to be coordinated by ASBREM, under the DoD Reliance process.

The Military Departments are requested to proceed with the detailed planning, staffing, and review required to effect this consolidation. ASBREM, augmented to reflect the stakeholder interests in the proposed agency, will provide oversight to the planning process. It is our intent that this process proceed as an effort of co-equals, leading to infrastructure reductions while preserving both essential medical R&D capabilities and Service interests.

The proposed medical research laboratory consolidation should be considered by the Military Departments in their BRAC 95 analyses.

  
Stephen C. Joseph, M.D., M.P.H.  
Assistant Secretary of  
Defense (Health Affairs)

  
Anita Jones, Ph.D.  
Director, Defense Research  
and Engineering

# CONSENSUS BRIEFING

## ASBREM Medical RDA-21 Project

*CONSOLIDATION OF MEDICAL RDA FUNCTIONS IN DoD*

---

1 November 1994

**DR. J. OSTERMAN**  
DDR&E(E&LS)

## **PURPOSE**

- Review ASBREM MEDICAL RDA-21 Project report highlights
  - Develop Consensus for DoD Medical RDA
  - Obtain decision on near-term course of action for Medical RDA
- 

## **RECOMMENDATION**

### **Approve Medical RDA-21 Project recommendation**

- Army - Navy consolidation of RDT&E activities under one Agency
- Army designated as “service executive” for the Agency
- ASBREM Committee reconfigured as a “Board of Governors”
- Services will report human systems technology where appropriate

**DEPSECDEF issue a decision memorandum with interim implementation guidance**

**Authorize “full staffing” of the draft DoDD**

# ASBREM MEDICAL RDA-21 OVERVIEW

## PROJECT GOALS & OBJECTIVES

- ACHIEVE AFFORDABILITY FOR DoD MEDICAL RDT&E ENTERPRISE
- MAINTAIN QUALITY OF DoD MEDICAL RDT&E
- BUILT TO MAINTAIN AN EFFICIENT, COST EFFECTIVE, AND WORLD CLASS MEDICAL TECHNOLOGY DEVELOPER FOR MILITARY UNIQUE RISKS TO HEALTH
  
- ENHANCE READINESS --- PROTECT, SUSTAIN & TREAT
  - » MAINTAIN MEDICAL R&D CORE COMPETENCIES
  - » ENHANCE AFFORDABILITY OF THE FORCE
  - » PROMOTE VERSATILITY OF FORCE
  - » ENSURE DEPLOYABILITY OF FORCE
  
- SUPPORT MILITARY OPERATIONS --- PROTECT, SUSTAIN & TREAT
  - » PROTECT LIFE
  - » OPTIMIZE OPERATIONS SUSTAINMENT
  - » TREAT CASUALTIES

**MAINTENANCE OF ESSENTIAL CAPABILITIES IS THE CHALLENGE**

# ASBREM MEDICAL RDA-21 OVERVIEW

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## 11 MAR 94 - ASBREM COMMITTEE INITIATED "MEDICAL RDA-21 PROJECT"

- PROJECT INITIATED AS TRI-SERVICE EFFORT TO CONSOLIDATE
- SEPARATE FROM BUT PARALLEL TO BRAC95-LABS
- PROJECT ACTIVITIES COORDINATED BY ARMY ASEC TO ASBREM
- PROJECT OFFICE LOCATED AT FT. DETRICK

## APR-JUL - PROJECT RESULTS

- DATA CALLS TO ALL LABS ANALYSED FOR REINVENTION OPTIONS
- FOCUSSED CONSIDERATION: "DEFENSE AGENCY" & "SERVICE EXECUTIVE AGENCY" OPTIONS
- DEVELOPED THE "BOARD OF GOVERNORS" STRUCTURE
- FOCUSSED ON SEPARATION OF FACILITY MANAGEMENT FROM RDT&E PROGRAM MANAGEMENT

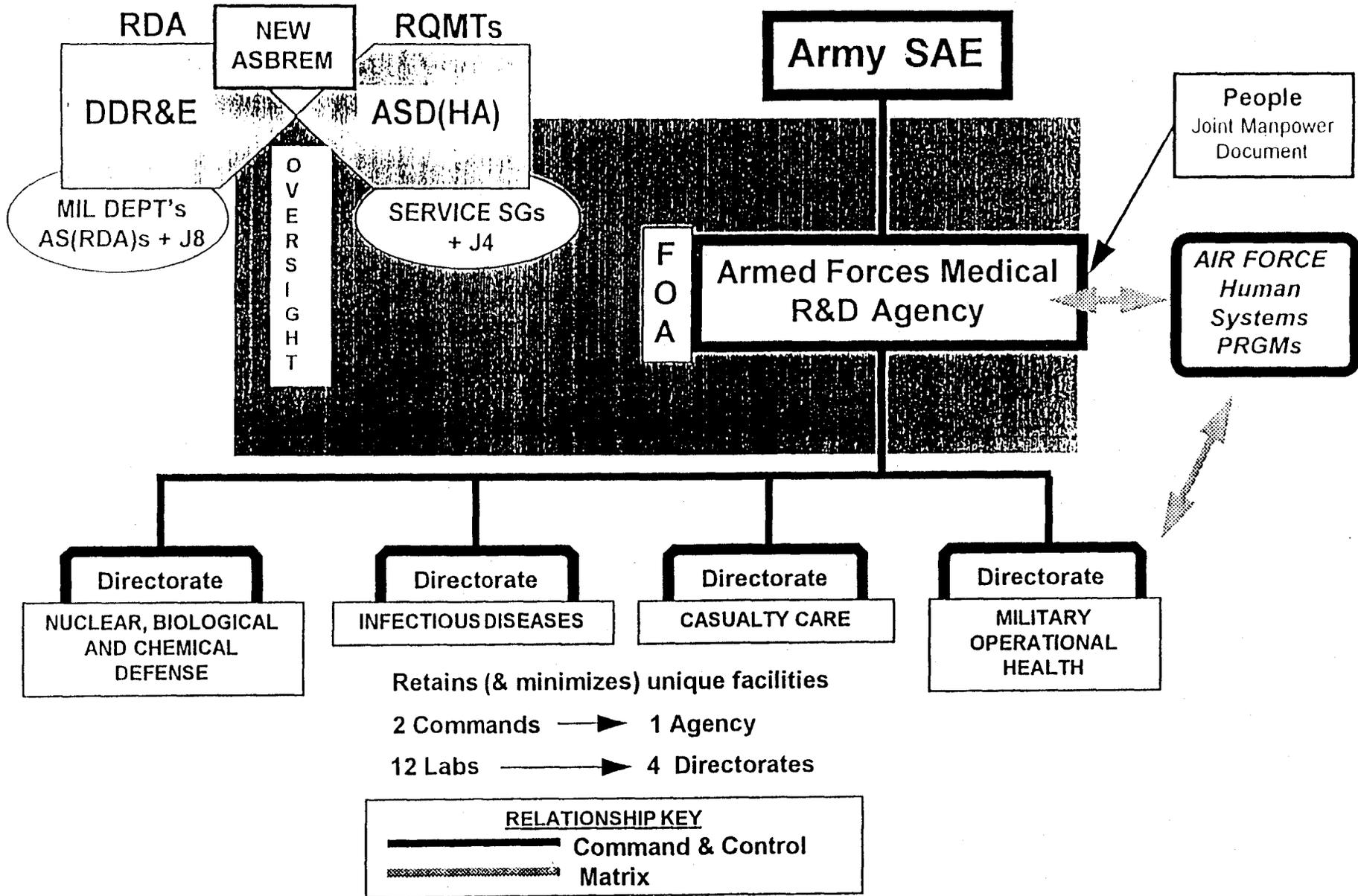
## 9 AUG 94 - ASBREM S&T REVIEW IPR ON PROJECT

- AIR FORCE HUMAN SYSTEMS TECHNOLOGY PROGRAMS MATRIXED WITH MEDICAL RDA-21 -- not consolidated
- HIGHLIGHTED A MODIFIED ASBREM TO ASSUME "BOARD OF GOVERNORS" ROLE
- HIGHLIGHTED A 4 PILLAR (RESEARCH DIRECTORATE) CONSOLIDATION
- PROGRAM MANAGEMENT SEPARATED FROM RUNNING LAB FACILITY

## AUG- OCT - MEDICAL RDA-21 ACTIONS

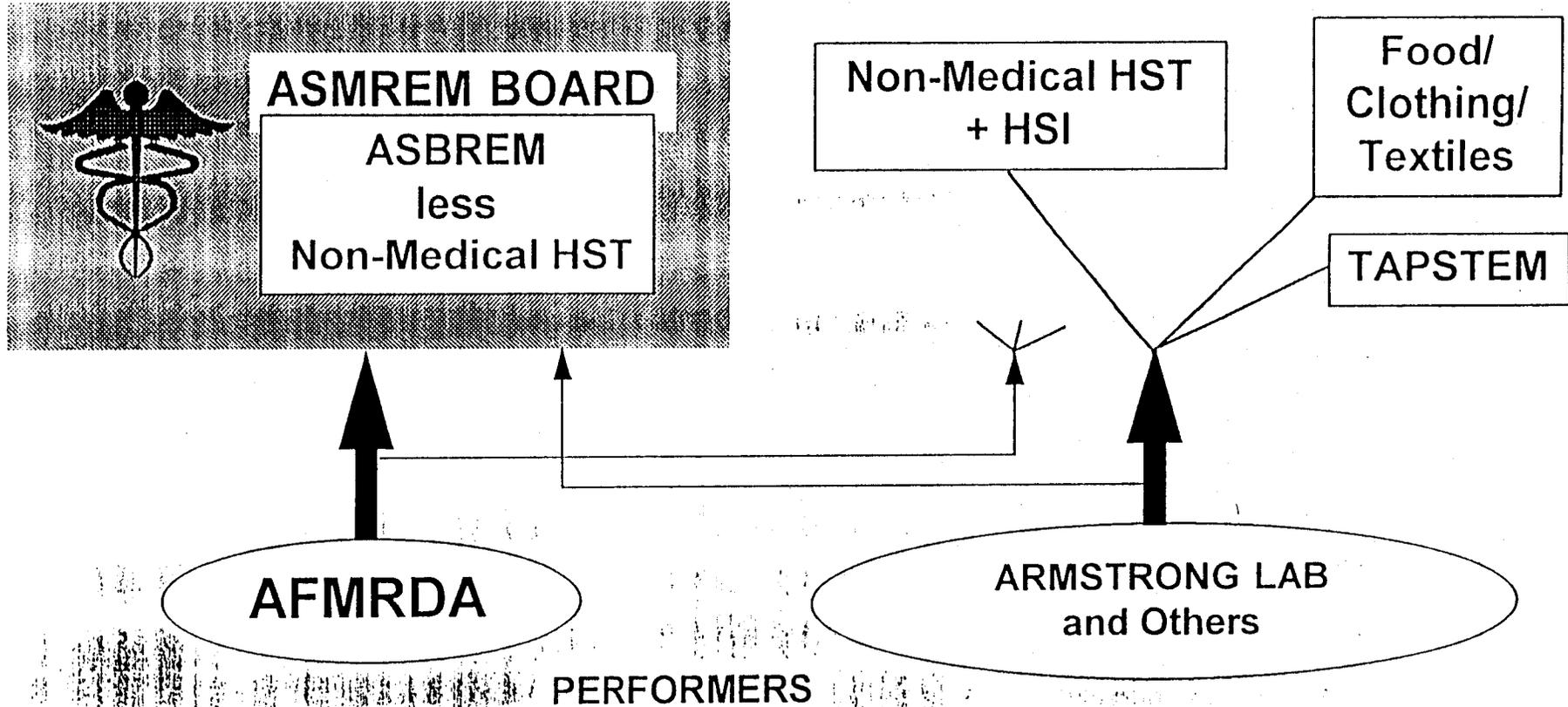
- PROPOSAL FULLY DEVELOPED (DEVELOPED DRAFT DoDD; IDENTIFIED COST AVOIDANCE ELEMENTS; IDENTIFIED S&E POSITIONS FOR REINVESTMENT; DEFINED DIRECTORATE MISSION/FUNCTIONS DOWN THREE ECHELONS & EXAMINED STAFFING; ETC)
- SERVICE STAFFING - not formal, mainly in SAE and ASBREM chains
- CONSENSUS = consolidation is necessary to achieve affordability & Service Executive concept is the most viable

# MEDICAL RDA21 PROPOSAL



# HOW WILL MATRIX AMONG PERFORMERS AND OVERSIGHT PANELS WORK? A RESOLUTION

## TRI-SERVICE RELIANCE OVERSIGHT

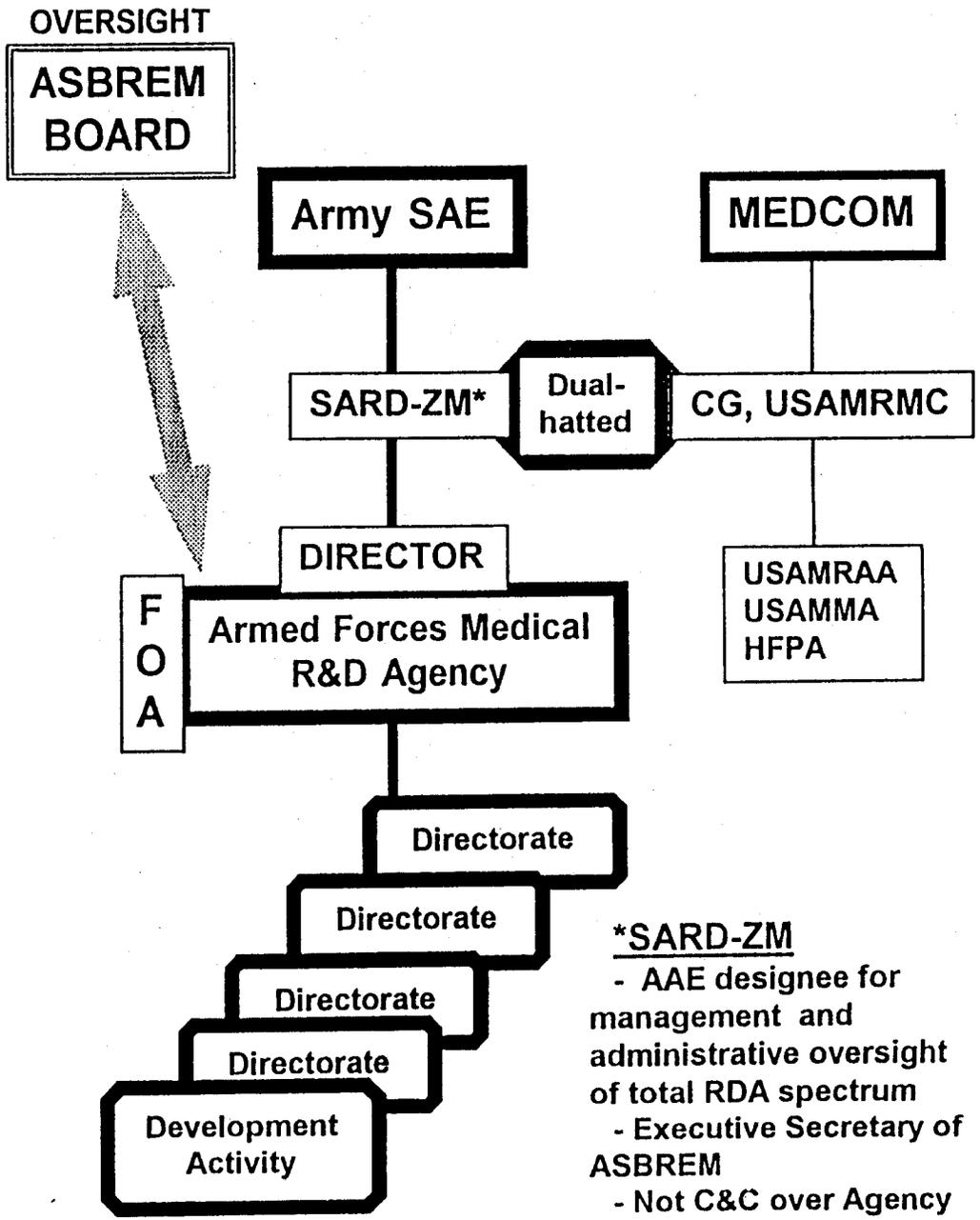
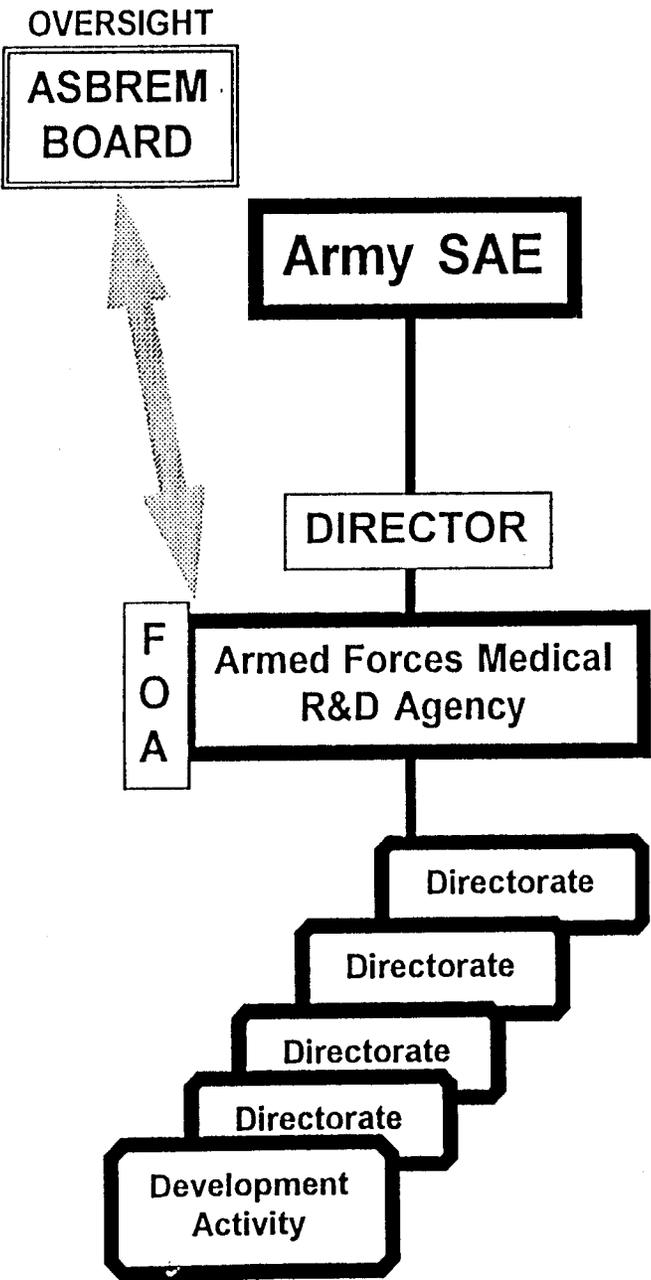


- OVERSIGHT PANELS CLEARLY SEPARATE "MEDICAL" AND "NON-MEDICAL"
- MATRIX COORDINATION -- PERFORMERS REPORT TO APPROPRIATE OVERSIGHT PANELS

## RESOLUTION

# MEDICAL RDA-21 MODEL

# ARMY PROPOSAL FOR IMPLEMENTATION



# MEDICAL RDA-21

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## Key Features

- **Single Agency for DoD Medical RDT&E**
  - Army/Navy/AFRRRI Consolidation
- **Oversight by Reconfigured ASBREM**
- **Army as Executive Agent**

## Payoffs

- Enhances affordability while maintaining mission capabilities
- Consolidates administrative overhead at service, MACOM and laboratory level
- Meets National Performance Review Goal thru reduction in management billets
- Allows for rational approach to downsizing while preserving mission capabilities
- Cost avoidance of new NMRI
- 'One-Stop Shopping'
- Full integration of RDT&E and materiel requirement processes with Defense Health Services (Medical DAB/JROC)
- Preserves Public Trust and confidence in military medical sciences and R&D
- Utilizes existing RDA management infrastructure at no cost to the Agency
- Retains linkage with Medical Materiel Acquisition & Logistics Developers thru MEDCOM

# MEDICAL RDA-21

## Key Features

- **Matrixed to Human Systems Technology Performers**
- **Resource Flexibility**
  - Joint Manpower Document
  - Core S&T plus Reimbursable Funding
- **Facility Management Separated from RDT&E Program Management**
- **Four Research Directorates Control Essential Missions**

## Payoffs

- Retains essential 'Medical' identity of Agency
- Provides for Joint biomedical research coordination: Interfaces with Air Force and non-medical Army/Navy performers
- Responsive to mission and customer funding
- Allows best utilization of uniformed scientists
- Consolidates civilian S&E performers in order to simplify management & facilitate rightsizing
- Facility modernizations easily planned and executed
- Allows for flexible sizing of service center and G&A requirements
- Allows S&T managers to concentrate on mission
- Maintains core capability through functional alignment
- Removes Institutional barriers to cross-disciplinary & cross-capability research and to outsourcing
- Eases ability to develop project teams as required by mission

# MEDICAL RDA-21 --- BRAC95 CONSIDERATIONS

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## REALIGNMENT LANGUAGE

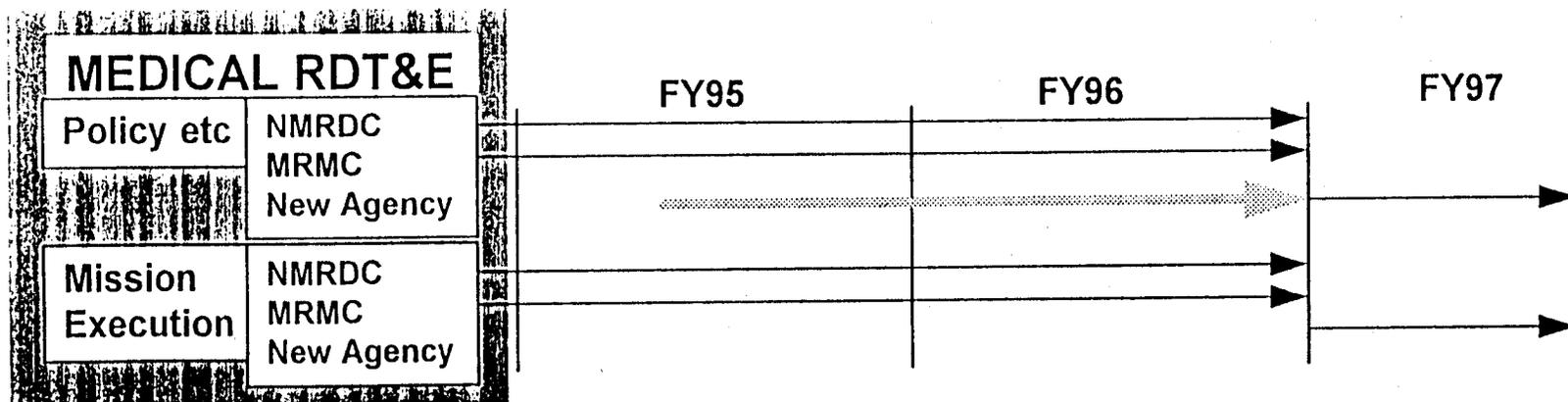
- COMBAT CASUALTY CARE R&D PROGRAMS
  - » CHANGE BRAC91 LANGUAGE FROM "COLLOCATE" TO "CONSOLIDATE"
  - » DENTAL
    - EXTEND FUNDING TO COVER DELAY IN MCA
  - » BLOOD
    - IF MOVED TO FOREST GLEN, COVER RENTAL OF FACILITY UNTIL FY99 & COVER RELOCATION
    - ALTERNATIVE, BRAC95 \$\$ TO PURCHASE GILLETTE FACILITY
- INFECTIOUS DISEASE R&D PROGRAMS
  - » CHANGE BRAC91 LANGUAGE FROM "COLLOCATE" TO "CONSOLIDATE"
  - » AT NMRI
    - DISESTABLISH & REALIGN AT FOREST GLEN FACILITY
  - » AT WRAIR
    - DISESTABLISH & REALIGN AT FOREST GLEN FACILITY

## CLOSURE LANGUAGE

- NAVAL BIODYNAMICS LAB, NEW ORLEANS: CLOSE
- WRAIR: CLOSE UPON COMPLETION OF FOREST GLEN FACILITY  
(Beneficial Occupancy Date = 1999)
- NMRI: CLOSE UPON COMPLETION OF FOREST GLEN FACILITY (BOD = 1999)
- NMRDC: DISESTABLISH AND CLOSE; CONSOLIDATE UNDER AFMRDA

# MEDICAL RDA-21 : TIMELINE FOR IMPLEMENTATION

- 1 Nov 94 CONSENSUS MEETING: USD(AT), DDR&E, SAEs
  - 17 Nov 94 ASBREM APPROVES KEY DESIGN CRITERIA; CHARTERS IMPLEMENTATION OFFICE
  - Dec 94 DEPSECDEF -- DECISION MEMORANDUM INITIATES STAFFING OF DODD
  - Dec 94 - Apr 95 IMPLEMENTATION OFFICE ACTIVITY
    - staffs the DoDD for the 'Agency' (ASBREM provides arbitration)
    - Coordinates BRAC95 related actions & refines implementation plan
    - ASBREM Board meets & charters a selection process
  - 31 Mar 95 DODD SIGNED BY DEPSECDEF
    - ASBREM Board recruits & selects Provisional Agency Director + senior staff
  - 1 May PROVISIONAL AGENCY ESTABLISHED; SENIOR STAFF SELECTED BY ASBREM BOARD
  - May 95 - Sep 96 PROVISIONAL AGENCY ACTIONS
    - Draft, staff, publish Implementing REGs
    - Draft & publish AGENCY Policies etc
    - POM & PBS staffing
- • 1 Oct 96 NEW MEDICAL R&D AGENCY STANDS UP

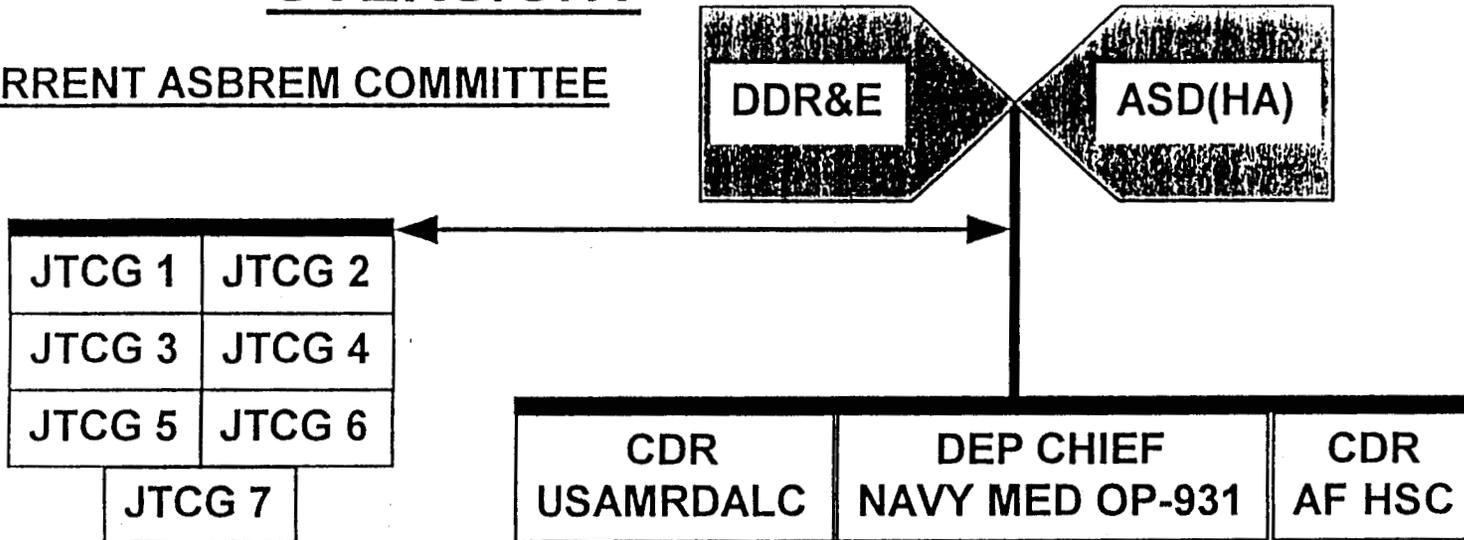


# BACKUPS

ASBREM – Medical RDA-21 Project

# OVERSIGHT

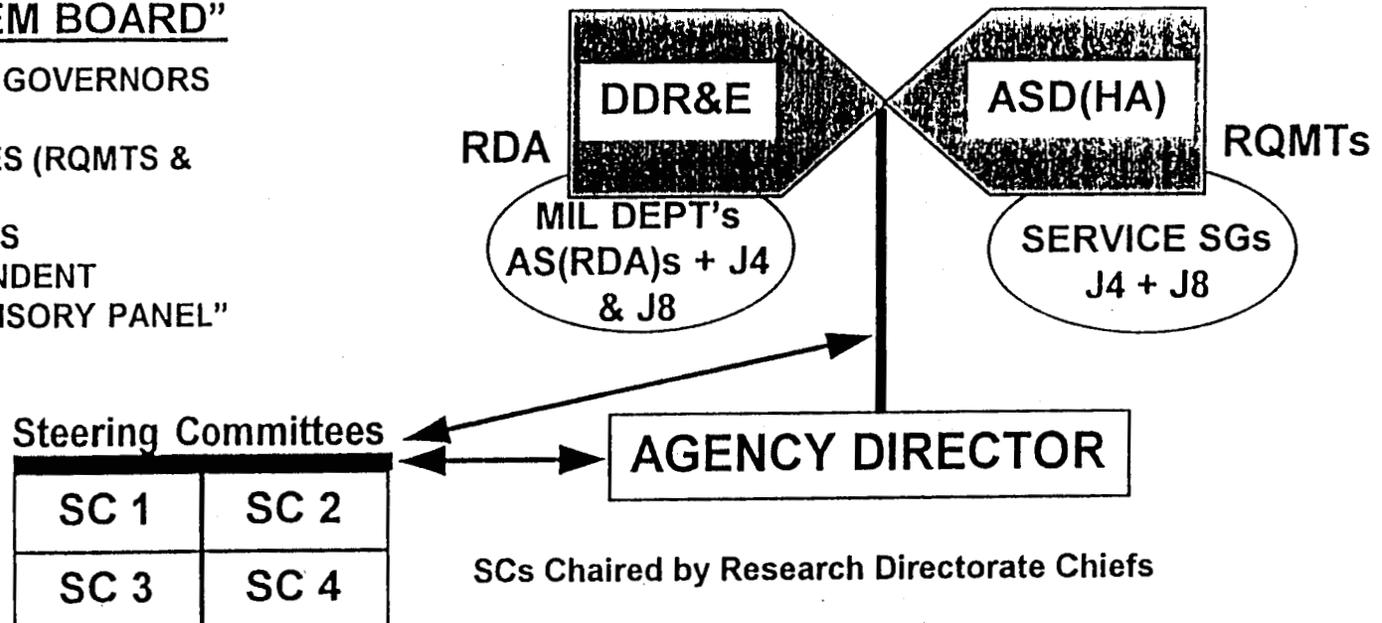
## CURRENT ASBREM COMMITTEE



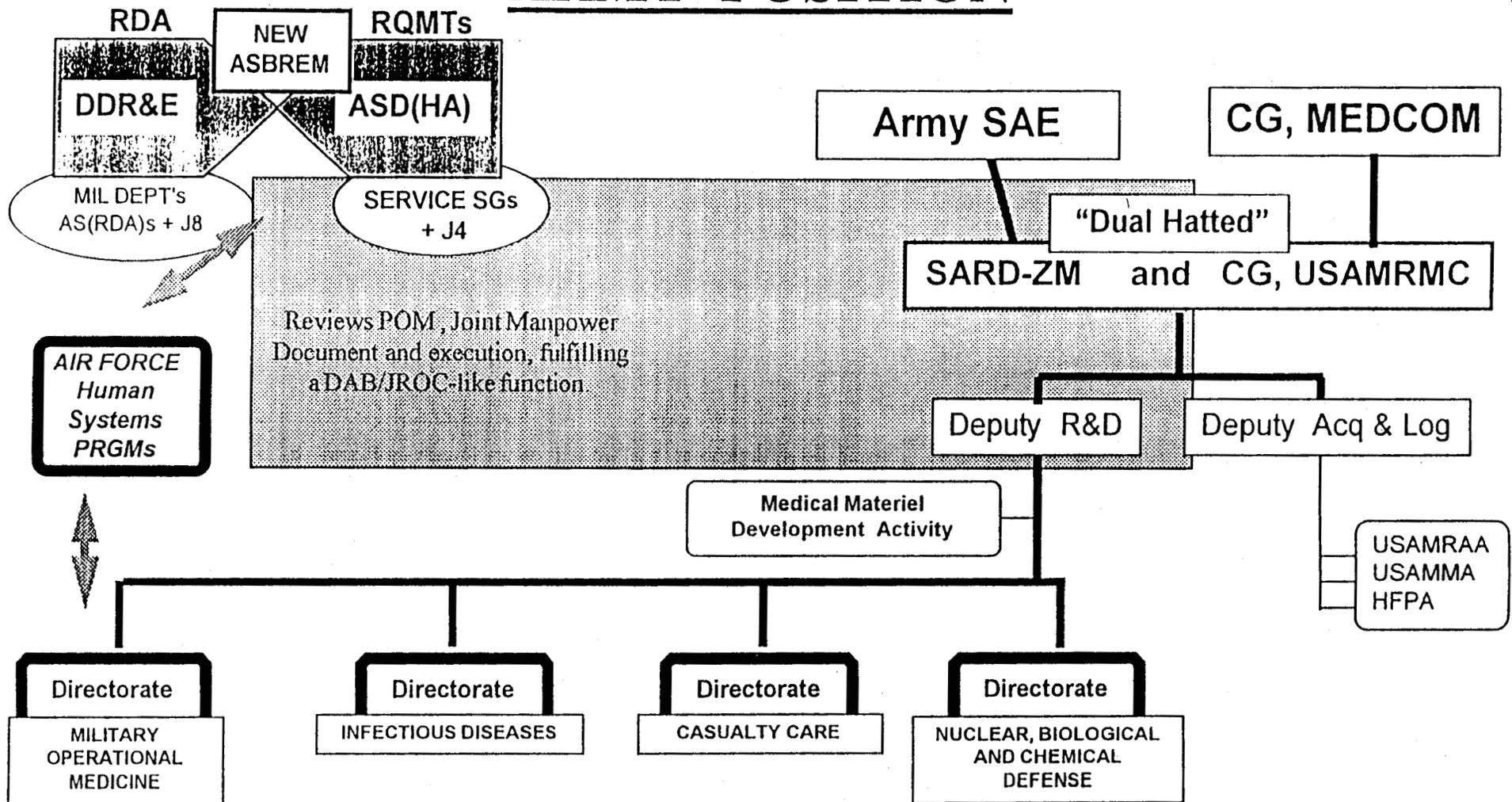
## PROPOSED "ASBREM BOARD"

OPERATING AS BOARD OF GOVERNORS

- 2 PILLARS
- 2 STANDING COMMITTEES (RQMTS & RDA)
- 4 STEERING COMMITTEES
- ADVISED BY AN INDEPENDENT "MEDICAL SCIENCE ADVISORY PANEL" OF DSB



# ARMY POSITION



## Differences from "ORIGINAL" Concept

- Concept of Operational Control is different than the AFIP-like model of Executive Agent
  - Agency Commander/Director & Board Of Governors are within the RDA system, not independent of it
  - Full integration into business practices of Executive and OSD
- Provides for full RDA integration - "cradle to grave" - by dual-hatting Commander, USAMRMC as SARD-ZM

# SUCCESS CRITERIA (2001 REVIEW)

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## MEDICAL RDT&E MANAGEMENT OVERSIGHT

- SIGNIFICANT REDUCTION IN MANAGEMENT BILLETS REQUIRING S&Es
- FACILITY MODERNIZATION HAS RATIONAL TIMECOURSE & COST
- NATIONAL INTEREST IN LEADERSHIP BILLETS OF AGENCY
- ASBREM BOARD IS MODEL FOR RDT&E INTEGRATION WITH MATERIEL REQUIREMENTS PROCESSES
- MEDICAL DEVELOPMENT ACTIVITY HAS NATIONAL PROMINANCE
- RATED AS EXCELLENT IN LINE CUSTOMER SURVEYS OF PRODUCT DELIVERY

## MEDICAL SCIENCE & TECHNOLOGY

- CURRENT ARMY STOs ARE DELIVERED ON-TIME
- AGENCY REPUTATION AS A NATIONAL RESOURCE IN MEDICAL S&T IS SUSTAINED & ENHANCED
- AGENCY REPUTATION AS AN INTERNATIONAL RESOURCE FOR INFECTIOUS DISEASE SUSTAINED & ENHANCED
- FIERCE COMPETITION TO WORK IN AGENCY LABORATORIES
- LINE CUSTOMERS SEEK S&T PRINCIPALS AS ADVISORS
- LASKER AWARD WON BY AN AGENCY SCIENTIST (E.G., SOLVE MALARIA)

## **There is One Major Assumption Critical to Success**

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- **That the Service resources now programmed for support of medical RDTE, including both funding streams (RDTE & Baseops), and uniformed and civilian authorizations, can be fully captured for the new FOA/Agency so that downsizing decisions can be made on the basis of overall DoD programmatic needs (i.e., OSD must not allow Services to use medical RDTE assets as billpayers prior to transfer).**

**ARMED SERVICES BIOMEDICAL RESEARCH  
EVALUATION AND MANAGEMENT  
(ASBREM) COMMITTEE  
MEDICAL RDA-21  
PROJECT OFFICE**

**REPORT**

**CONSOLIDATION OF  
DEFENSE MEDICAL RESEARCH AND  
MEDICAL MATERIEL DEVELOPMENT**

**NOVEMBER 1994**

**Subject: ASBREM Medical RDA-21 Project Report**

medical materiel acquisition life-cycle plans, programs, and budgets. Existing command-and-control and program management responsibilities for Defense medical RDT&E should be consolidated within the HQ, AFMRDA as the Armed Forces Medical Materiel Development Activity. The AFMRDA program management would be aligned into four management pillars: (1) Medical NBC Defense, (2) Combat Casualty Care, (3) Military Operational Medicine, and (4) Military Infectious Disease Research. Medical Materiel development should continue to be the responsibility of the Army Medical Materiel Development Activity, but it should be realigned under the AFMRDA. The AFMRDA structure (TAB 7) should consist of a Headquarters with the four management pillars (e.g., research directorates), a development activity, field research divisions aligned in support of the directorates, and medical research units managed separately from the research functions they support. Headquarters and Directorate staff requirements should be minimized through outsourced technical and analytical support. The missions and functions of the four directorates are shown at TAB 8. Organizational detail, laboratory, and BRAC impacts are displayed in Table 3.

**Table 3. ASBREM Medical RDA-21 Project Office Proposal**

Organization	Status	Proposal
HQ, Armed Forces Medical R&D Agency	<ul style="list-style-type: none"> <li>• Does not exist</li> </ul>	<ul style="list-style-type: none"> <li>• Establish at Fort Detrick, MD</li> <li>• Establish Army Acquisition Executive as DoD Executive Agent</li> <li>• Collocate with HQ, USAMRMC in new HQ Building planned in Army MEDCOM MCA program</li> <li>• Consolidate Army, Navy and AFRRRI command and control</li> <li>• Consolidate DoD medical RDT&amp;E program management aligned into four Directorates: Medical NBC Defense, Military Operational Medicine, Combat Casualty Care, and Military Infectious Diseases Research; and designate Director as PM with DoDD 5000 series responsibility and authority for Defense Medical Materiel</li> </ul>
HQ, U.S. Army Medical Research and Materiel Command	<ul style="list-style-type: none"> <li>• Subordinate Command, U.S. Army MEDCOM</li> <li>• Army medical RDA management HQ</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish &amp; consolidate R&amp;D management functions in HQ, AFMRDA</li> <li>• Retain Army medical materiel acquisition &amp; logistics functions at USAMRMC and collocate with HQ, AFMRDA</li> </ul>

Subject: ASBREM Medical RDA-21 Project Report

Organization	Status	Proposal
<p>Army Medical Research Institute of Chemical Defense</p>	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Medical Chemical Defense and Medical Biological Defense technology areas</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in NBC Directorate</li> <li>• Establish AFMRU-5 to sustain medical RDT&amp;E capabilities in Div of Chemical Defense</li> </ul>
<p>Army Dental Research Detachment</p>	<ul style="list-style-type: none"> <li>• Detachment of WRAIR</li> <li>• To collocate with NDRI (BRAC 91)</li> </ul>	<ul style="list-style-type: none"> <li>• Consolidate with AFMRU-2</li> <li>• Becomes part of the Division of Maxillofacial Trauma and Dental Disease Prevention and Treatment</li> </ul>
<p>Army Research Institute of Environmental Medicine</p>	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Mil Op Health technology area</li> <li>• BRAC 91 collocation site for Air Force heat physiology research</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate</li> <li>• Establish AFMRU-6 to sustain customer linked medical R&amp;D capabilities in Divs of Health &amp; Performance and Environmental Medicine</li> </ul>
<p>Army Medical Research Institute of Infectious Diseases</p>	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases and Medical Biological Defense technology areas</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in NBC Directorate</li> <li>• Establish AFMRU-7 to sustain medical RDT&amp;E capabilities in Div of Biological Defense</li> </ul>
<p>Army Institute of Surgical Research</p>	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Combat Casualty Care technology Area</li> <li>• Moves into new building adjacent to new Brooke Medical Center</li> <li>• BRAC 91 consolidation site for Army trauma research</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Combat Casualty Care Directorate</li> <li>• Establish AFMRU-8 to sustain medical RDT&amp;E capabilities in Divs of Mechanical Trauma &amp; Burn Injury</li> </ul>

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Organization	Status	Proposal
Naval Health Research Center	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases, Mil Op Health and Combat Casualty Care technology areas</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate</li> <li>• Establish AFMRU-3 to retain customer linked R&amp;D capabilities in Divs of Health &amp; Performance and Environmental Medicine</li> </ul>
Naval Medical Research Institute	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases, Medical Biological Defense, Mil Op Health, and Combat Casualty Care technology areas</li> <li>• BRAC 91 collocation site for Army blood research</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate; Combat Casualty Care Directorate, and Infectious Diseases Directorate</li> <li>• Consolidate medical RDT&amp;E functions at new Forest Glen lab (AFMRU-9)</li> </ul>
Naval Submarine Medical Research Laboratory	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Mil Op Health technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate</li> <li>• Establish AFMRU-17 to sustain customer linked medical R&amp;D capabilities in Div of Health &amp; Performance</li> </ul>
Army Aeromedical Research Laboratory	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Mil Op Health technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate</li> <li>• Establish AFMRU-4 to sustain customer linked medical R&amp;D capabilities in Divs of Health &amp; Performance and Systems Health Hazards</li> </ul>

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Organization	Status	Proposal
HQ, Naval Medical Research and Development Command	<ul style="list-style-type: none"> <li>• Navy medical RDT&amp;E management HQ</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish &amp; consolidate RDT&amp;E management functions in HQ, AFMRDA</li> </ul>
U.S. Army Medical Materiel Development Activity	<ul style="list-style-type: none"> <li>• Defense medical materiel developer for Army and Joint requirements</li> <li>• BRAC 91 consolidation site for medical materiel research</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish and re-establish as the AFMRDA Medical Materiel Development Activity &amp; Deputy PM for Medical Systems</li> </ul>
Armed Forces Radiobiology Research Institute	<ul style="list-style-type: none"> <li>• DoD Component lab for ionizing radiation bioeffects S&amp;T</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish command &amp; control (C&amp;C) and management of program (MP) functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in NBC Directorate</li> <li>• Establish Armed Forces Medical Research Unit (AFMRU) - 1 at AFRI to sustain S&amp;T capabilities</li> </ul>
Naval Aeromedical Research Laboratory	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Military Operational Health technology focus</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate</li> <li>• Establish as Field Office of AFMRU-9 to sustain customer linked medical R&amp;D capabilities in Division of Health &amp; Performance</li> </ul>
Naval Biodynamics Laboratory	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Military Operational Health technology focus</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish and close</li> </ul>
Naval Dental Research Institute	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• To accommodate Army program (BRAC 91) as collocation</li> <li>• Military Dentistry technology focus</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Combat Casualty Care Directorate</li> <li>• Establish AFMRU-2 at Great Lakes</li> <li>• Consolidate Army and Navy program execution</li> <li>• Become part of Division of Maxillofacial Trauma and Dental Disease Prevention and Treatment</li> </ul>

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Organization	Status	Proposal
Walter Reed Army Institute of Research	<ul style="list-style-type: none"> <li>• Full spectrum Army medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in all Defense medical technology areas</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases, Combat Casualty Care, and Mil Op Medicine Directorates</li> <li>• Consolidate and sustain medical RDT&amp;E capabilities at AFMRU-9 (under construction to replace existing WRAIR) at Forest Glen lab</li> </ul>
<b>OVERSEAS LABORATORIES &amp; DETACHMENTS †</b>		
Naval Medical Research Unit -2 (Indonesia)	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases Directorate</li> <li>• Establish AFMRU-10 and sustain medical RDT&amp;E capabilities</li> </ul>
Naval Medical Research Unit-3 (Egypt)	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E lab</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases Directorate</li> <li>• Establish AFMRU-11 and sustain medical RDT&amp;E capabilities</li> </ul>
Armed Forces Research Institute of the Medical Sciences - WRAIR SFA (Thailand)	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E detachment</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases Directorate</li> <li>• Establish AFMRU-12 and sustain medical RDT&amp;E capabilities</li> </ul>

Subject: ASBREM Medical RDA-21 Project Report

Organization	Status	Proposal
WRAIR-SFA (Kenya)	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E detachment</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions (WRAIR) and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases Directorate</li> <li>• Establish AFMRU-13 and sustain medical RDT&amp;E capabilities</li> </ul>
WRAIR-SFA (Brazil)	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E detachment</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions (WRAIR) and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases Directorate</li> <li>• Establish AFMRU-14 and sustain medical RDT&amp;E capabilities</li> </ul>
WRAIR-SFA (Germany)	<ul style="list-style-type: none"> <li>• Army medical RDT&amp;E detachment</li> <li>• Conducts medical RDT&amp;E in Mil Op Health technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions (WRAIR) and consolidate C&amp;C functions with HQ, AFMRDA - MP in Mil Op Medicine Directorate</li> <li>• Establish AFMRU-15 and sustain medical RDT&amp;E capabilities</li> </ul>
Naval Medical Research Detachment (Peru)	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E detachment</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish C&amp;C and MP functions (NMRI) and consolidate C&amp;C functions with HQ, AFMRDA - MP in Infectious Diseases Directorate</li> <li>• Establish AFMRU-16 and sustain medical RDT&amp;E capabilities</li> </ul>
Naval Medical Research Detachment (Kenya)	<ul style="list-style-type: none"> <li>• Naval medical RDT&amp;E detachment</li> <li>• Conducts medical RDT&amp;E in Infectious Diseases technology area</li> </ul>	<ul style="list-style-type: none"> <li>• Disestablish and close</li> <li>• Consolidate functions under AFMRU-13</li> </ul>

\*Realignment of OCONUS activities requires coordination with CINCs and Department of State

II.b.3 Resource Management. Subject to ASBREM Board guidance and approval, the HQ, AFMRDA should be responsible for development of Defense Medical Materiel Modernization Plans that are fully responsive to, and relevant sections integrated with, OSD and Military Department modernization and master plans and the Defense Technology Area Plan.

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**Report to the Defense  
Base Closure and  
Realignment  
Commission On  
Orlando Area  
Concerns**

Navy Nuclear Power Training Command

Naval Research Laboratory - Underwater Sound  
Reference Detachment

Armstrong Laboratory - Air Crew Training Facility

June 9, 1995

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June 9, 1995

VIA FEDERAL EXPRESS

Mr. Joe Varallo, Assigned Analyst  
The Defense Base Closure and Realignment Commission  
1700 North Moore Street, Suite 1425  
Arlington, Virginia 22209

Dear Joe:

Enclosed please find a copy of the "Report to the Defense Base Closure and Realignment Commission on Orlando Area Concerns." This report will be delivered to each Commissioner by Congressman Bill McCollum over the course of the next few days, however, I wanted to insure that you had a copy to preview prior to those meetings. In addition, it is my understanding that the Congressman will be attempting to schedule meetings with you for some time over the next few days.

After reviewing the section pertaining to your area of interest, please feel free to contact me should you have any questions or concerns. I look forward to working with you and discussing these matters in more detail with you in the future.

Sincerely,

  
John M. Ariale

JMA:vr  
Enclosure

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**Report to the Defense  
Base Closure and  
Realignment  
Commission On  
Orlando Area  
Concerns**

Prepared for:

The Economic Development Commission of Mid-  
Florida,  
Orange County, and  
The City of Orlando

Prepared by:

U.S. Congressman Bill McCollum;  
John M. Ariale,

Katz, Kutter, Haigler, Alderman, Marks, Bryant & Yon, P.A.;

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*June 9, 1995*

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## Appendix A

COBRA Model; Community Alternative - Redirect NNPTC  
from New London to Orlando (NPSORL2.cbr)

## Appendix B

NNPTC Orlando Map

## Appendix C

NUWC Inconsistencies (NRLO.cbr and NUWC1.cbr)

## Appendix D

COBRA Model; Combine Navy Data from Closing  
NRL-USRD and NUWC, New London (NUWCOMB0.cbr)

## Appendix E

COBRA Model; Community Alternative-Combine Data from  
Closing NRL-USRD and NUWC, New London; Keep NRL-  
USRD open and consolidate activities at NRL-USRD  
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*June 9, 1995*



# ***Navy Nuclear Power Training Command***

*Orlando, Florida*

## **Background**

Under the base realignment and closure process (BRAC) of 1993, the Navy Nuclear Power Training Command (NNPTC) was to be relocated to Navy Submarine Base, New London. This move was originally proposed to take advantage of the anticipated space that would become available as a result of the relocation of several activities from New London. The BRAC 93 decision rejected the proposal to relocate activities from New London. As a result, to accommodate the NNPTC, a need for new military construction and sharply increased costs occurred at New London.

During the BRAC 95 process, the Departments of Defense (DOD) and of the Navy (DON) decided to review the decision to relocate NNPTC to New London and made a recommendation for a redirect from New London to Naval Weapons Station, Charleston. The primary reason was the unexpected and increasing costs associated with the New London move since a lot of new construction would be necessary to make this move. The DOD and the DON reviewed redirecting the NNPTC from New London to Charleston due to the increasing costs associated with rebuilding in New London.

## **The Case for Redirecting NNPTC to Orlando**

The cost effective, common sense thing to do is to keep NNPTC in Orlando. DOD and the DON apparently never seriously evaluated this option. As a result, DOD substantially deviated from several selection criteria, and Defense Base Closure and Realignment Committee (DBCRC) should reject the redirect from New London to Charleston and redirect NNPTC to Orlando. In reviewing data utilized by DON and DOD in making a decision to redirect NNPTC New London to Charleston, it is clear several critical issues were either unaddressed by the Departments or intentionally overlooked. Specifically, DOD did not consider retention of NNPTC at existing facilities in Orlando. As a result, a decision was made that will cost the taxpayers millions of dollars in unnecessary military construction. The DOD substantially deviated from three of the four military value criteria. In addition, DOD failed to adequately evaluate criterion 5, the return on investment, in the decision to redirect

nuclear power school from New London to Charleston. In making these decisions, the DOD never ran COBRA that estimated and evaluated other viable options.

- A. **The Department of Defense substantially deviated from selection criterion 5 when the Department failed to properly evaluate the return on investment associated with the recommendation to redirect the NNPTC to Charleston.**

In evaluating BRAC 95 issues, the DOD failed to run any COBRA models which would have compared leaving NNPTC in Orlando to moving the facility to either New London or Charleston. This omission alone demonstrates that the DOD substantially deviated from selection criterion 5.

If properly reviewed and evaluated, DOD would have ultimately decided to maintain NNPTC in Orlando based upon cost savings alone.

Utilizing the COBRA model, the Navy estimates that a move from New London to Charleston would cost \$147.9 million and save approximately \$162 million in military construction cost avoidances associated with relocation to New London. This scenario generates a return on investment of one year and a net present value of the costs and savings over 20 years of \$71.1 million. It makes no sense to spend \$147 million today in order to save \$71 million over time.

Using the same cost analysis methodology, a redirect to Orlando would also generate approximately \$162 million in military construction cost avoidance and would only require a one-time cost of \$8.125 million. Under this scenario, the return on investment is immediate and DOD would generate a net present value of the costs and savings over 20 years of \$157.545 million. The savings generated by a scenario to retain the schools in Orlando is over 100 percent greater than that which the Navy proposed. A redirect of NNPTC to Charleston would generate one-time costs that are 1,800 percent greater than a redirect to Orlando.

	<b>Orlando to Orlando</b>	<b>Orlando to Charleston</b>	<b>Difference</b>
<b>One Time Costs</b>	\$ 8.125 M	\$ 147.9 M	<i>\$ 139.78 M</i>
<b>Net Present Value</b>	\$ 157.545 M	\$ 71.1 M	<i>\$ 86.445 M</i>
<b>Return on Investment</b>	IMMEDIATE	ONE YEAR	

The savings associated with a redirect to Orlando far outweigh any potential savings in redirecting the facility to Charleston. Consequently, the failure to review costs represents a substantial deviation from the selection criteria in the recommendation to redirect NNPTC to Charleston.

COBRA runs redirecting NNPTC to Orlando are included in Appendix A (NPSORL2.cbr). The COBRA data compares savings resulting from the redirect to Orlando from New London.

**B. The Department of Defense substantially deviated from selection criterion 2 when the Department failed to properly evaluate the availability and conditions of land, facilities and airspace at both the existing and potential receiving location.**

NNPTC Orlando, a self contained tenant command of the former Naval Training Center Orlando (NTC Orlando), was designed to be a university-like campus when the facility was constructed. The campus' facilities are modern and are in good repair. Located within the parameters of the facility (after the rest of NTC is closed) are ample infrastructure resources to house: Public Works; Security; the Navy Exchange (the Exchange will remain open in Orlando after NTC closes regardless of whether the NNPTC remains or moves to New London or Charleston); MWR Facilities (ample resources currently exist that will accommodate any needs in this area of the NNPTC including a gymnasium, the Mariner's Club, two softball fields, tennis courts, basketball courts, and access to the swimming pool and recreational access to Lake Baldwin); Family Services (building 356); and a branch medical facility.

In Appendix B, please find a map outlining the area that could be fenced in to support the NNPTC in Orlando. All of the facilities and support services mentioned above are already built and in place to serve the NNPTC at levels that the facility is currently accustomed.

Without assessing the existing infrastructure at the NNPTC Orlando, DOD reviewed only one option: to relocate to Charleston. At either the New London or Charleston location, these facilities would have to be reconstructed at a cost of anywhere between \$147 million and \$200 million. Once again, DOD failed to properly apply criterion 2 when the Department failed to properly evaluate and analyze the conditions of land and the facilities located at NNPTC Orlando, a potential receiving location. As one of the key components to the military value assessment in the BRAC process, this deviation alone would justify consideration of a redirect of NNPTC to Orlando, Florida.

**C. The Department of Defense substantially deviated from selection criterion 3 when the Department did not properly analyze the ability to accommodate contingency, mobilization, and future total force requirements at both**

**existing and potential receiving locations.**

During the BRAC 95 process, the DOD failed to recognize the fact that NNPTC was uniquely designed to handle the current load of men and women that support this type of mission training. The current force requirements do indeed indicate that the average on board for NNPTC will be reduced; however, the fact that a minimal amount of existing excess capacity could be maintained at a relatively inexpensive cost was overlooked and not analyzed by the Department. In its decision to redirect the NNPTC from New London to Charleston, the Department recognizes that the force structure would be reduced by time the facilities would be rebuilt in Charleston. As a result, the DOD states that the need for square footage would be reduced. However, this reduction in square footage does not accommodate for any surge or growth that may be necessary with respect to this type of training in the event of future contingency or mobilization needs.

In its justification for the redirect decision, the Navy sites this excess capacity in Orlando as a negative. The rebuilding of NNPTC at Charleston creates additional capacity that need not be created. On the other hand, the minimal amount of excess capacity that is located at NNPTC Orlando should be viewed as a positively. The necessary NNPTC facilities are already built in Orlando. Any excess could easily be mothballed and would allow for any potential surge capacity that might be necessary. Should the Department's redirect be implemented in Charleston, the ability to handle any type of surge would be eliminated.

**D. The Department of Defense substantially deviated from selection criterion 4 when the Department did not properly analyze the costs and manpower implications associated with a redirect of the NNPTC from New London to Charleston.**

There is no justification to spend \$147 million to rebuild NNPTC's facilities in Charleston, South Carolina when high quality facilities already exist in Orlando. This logic is flawed at best. As a result of this decision, the DOD has recommended a one-time expenditure of \$147 million. This expenditure is 1,800 percent greater than the one-time costs of \$8.1 million necessary to retain NNPTC in Orlando.

Even if the Commission were to accept the one-time costs suggested by the DOD, the \$147 million associated with expenditures in Charleston are over four times greater than the costs associated with redirecting the facility to Orlando.

The estimate provided by DOD regarding the total recurring annual costs necessary to operate the two schools that make up NNPTC in Orlando after NTC Orlando closes appears to be overstated. In response to Congressman Bill McCollum's inquiries to the DON, the DON responded that the "total recurring annual costs to operate only these two schools after NTC Orlando closes, have been estimated to be \$19.3 million." Furthermore, the Department

estimated that BOS costs associated with New London would equal \$14.3 million while the same BOS costs associated with Charleston would be \$11.5 million. In a letter to Congressman Bill McCollum dated May 24, 1995, the Navy stated that the Department "recognized that the BOS costs in Charleston were overstated and could be improved upon with further evaluation. Subsequently, the BOS costs for Charleston and New London have been revised to \$6.6 million and \$7.1 million respectively, to more accurately reflect the BOS costs at these locations."

During the last eight to twelve months, information was obtained which indicated that future costs to support NNPTC in Orlando would amount to an annual recurring expenditure of \$14.8 million. DON has not provided certified BSEC documents to allow the community to fully evaluate the apparent overstatement of these costs in Orlando, and the continuing understatement of costs of operating NNPTC in either New London or Charleston. Perhaps the cost estimates currently provided by the DON, which represent a fluctuation of 50% from the original "estimates," reflect the allocation of BOS costs to larger tenants thereby incorrectly stating NNPTC BOS costs in both Charleston and New London. Only when we are able to analyze the costs in the same manner, can we adequately and accurately analyze the differential between the three communities. The failure to produce this certified data or any detailed financial analysis in a manner which would compare all facilities under review represents another substantial deviation from properly analyzing the cost implications associated with the redirect of NNPTC from New London to Charleston.

A second major area of concern for the community is in the discussion of BEQ upgrades and costs associated with Orlando's NNPTC. The Chief of Naval Operations approved new BEQ standards for the DON in April of this year. In response to those BEQ standards, the DON and the DOD claim that the BEQs at NNPTC Orlando can be improved by converting three-person rooms to two-person rooms where practical and that the semi-open bay, Welton Beckett, and rectangular room configurations could be remodeled to provide approximate space to meet these occupancy standards. Furthermore, DON states that remaining requirements could be met through new construction. The total cost of this "BEQ fix" is approximately \$25.7 million. However, the issuance of new BEQ standards applies only to new construction. NNPTC is now operational and meets all current requirements for BEQ's. Furthermore, NNPTC is in the process of a bunk reduction project to increase the habitability of nuclear power students to 90 square feet per occupant. With this reduction program, the NNPTC BEQ's meet or exceed all current DOD and DON standards.

In response to Congressman Bill McCollum's questions to the DON, the Department responded with uncertified data claiming that one-time costs associated with retaining NNPTC in Orlando would reach \$34 million. These costs include what the Navy calls the BEQ fix of \$25.7 million, as well as a backlog of repairs which amount to \$8 million. The estimates of the Department are erroneous. The true one-time costs associated with Orlando should be \$8.1 million. Since NNPTC Orlando meets current berthing criteria, and there is no known requirement to bring existing BEQs up to newly adopted BEQ standards, there is no need to

spend \$25.7 million in BEQ upgrades in Orlando. Of the \$8.1 million, \$5.5 million represents money needed to repair or replace the air conditioning system in some of the buildings, and \$2.25 million represents expenditures for general maintenance concerns. The balance will be used to fence in the property line.

A final error is the fact that the DOD included the reduced overhead costs of not building new buildings in New London as savings. The Navy COBRA run justifying the redirect to Charleston includes savings from lower overhead costs of buildings that were not yet built in New London. This oversight, actually allows a double counting of savings under the COBRA analysis. Savings come from either a reduced overhead due to the moth balling of buildings or savings come from a military construction avoidance. However, savings can not be counted from lower overhead costs of unbuilt buildings and from cost avoidances. This results in a double counting of savings.

These three major areas of concern demonstrate that the Department substantially deviated from selection criterion 4 by not properly analyzing the cost implications associated with the redirect of Orlando to Charleston.



***Navy Research Laboratory  
Underwater Sound Reference Detachment***

*Orlando, Florida*

**Background**

As a result of the BRAC 95 process, the Navy Research Laboratory, Underwater Sound Reference Detachment (NRL-USRD) is to be disestablished and relocation of the calibration and standards function with associated personnel, equipment and support is to relocate to the Naval Undersea Warfare Center, Newport Division, Newport, Rhode Island.

According to the DOD justification, the overall reduction in operational forces and a sharp decline of the DON's budget through fiscal year 2001, specifically warrant reductions for technical centers. While the DOD admits that the reduction in technical centers is difficult to determine because activities are supported through customer orders, the Department has nevertheless determined that the closure of one of the Navy's most unique facilities should be closed.

The total estimated one-time cost implement the recommendation specified is \$8.4 million with a net overall cost in savings during the implementation period of \$3.7 million in savings. The net present value of the costs and savings over 20 years is a savings of \$30.1 million.

**The Case for Removing NRL-USRD from the BRAC 95 List**

After reviewing the materials and associated documents provided by the DOD to justify the closure and disestablishment of NRL-USRD, it appears that DOD substantially deviated from several military value selection criteria. Furthermore, certain calibration measurements and testing are not performed at NRL-USRD that are not performed anywhere else within the Navy's laboratory system would be lost if this facility were to be disestablished. This testing is performed exclusively in Orlando for several reasons. NRL-USRD is staffed with an abundance of transducer expertise, the facility is located in a climate which allows for year-round testing, and the facility has several unique features including a one of a kind anechoic tank facility as well as a one of a kind lake facility.

The loss of this facility will ultimately result in irrefutable harm to the readiness of the overall DOD's force. In researching and analyzing BRAC 95 issues regarding NRL-USRD, the Department avoided opportunities to analyze the closure and consolidation of like-oriented functions elsewhere within the Navy system to a unique and valuable facility such as NRL-USRD. Ultimately, the Navy and the Department of Defense will suffer as a result of this decision.

- A. The Department of Defense substantially deviated from selection criterion 1 when the Department failed to properly evaluate the current and future mission requirements and the impact on operational readiness of the Department of Defense's total force.**

DOD did not properly evaluate the current and future mission requirements and the impact on the operational readiness of the Department's total force when it recommended the closure of NRL-USRD.

The core mission of the NRL-USRD is calibrations and standards associated with underwater sound measurements for underwater acoustic devices, a key fact that seems to have been excluded from the overall evaluation of this facility. As a result of the calibrations and standards associated with these measurements, specialized facilities have been established in Orlando to provide acoustic calibration and test and evaluation measurements for acoustic transducers and materials.

NRL-USRD maintains a stock of approximately 1,400 calibrated reference transducers that are made available to Navy activities and government contractors for use in research and development for underwater measurement programs. NRL-USRD is the only naval laboratory that provides a link in the traceability of underwater sound measurements to the National Institute of Standards and Technology (NIST). Therefore, the use of the referenced transducers in Orlando provides great uniformity, accuracy, and reliability in underwater acoustic measurements throughout industry and the Navy. In an NIST publication entitled "Navy Metrology/Calibration Program", the importance of an NIST certified facility was stressed. In this publication, NIST stated that "in rare circumstances, the DOD makes a conscious decision not to develop national standards for use at NIST, but instead, that an agency with exclusive responsibility for given measurements. An example, is the Naval Research Laboratory-Underwater Sound Reference Detachment in Orlando, Florida (NRL-USRD). NRL-USRD maintains state of the art capabilities in acoustic measurements and sonar transducers."

The NRL-USRD calibration facilities have also been specified in documents known as Critical Item Product Specification (CIPS) for more than twenty years. The CIPS are DOD procurement specifications used to purchase transducers from industry. The CIPS specify among other things exactly where a transducer is to be calibrated. For example, SSN BOW SONAR (BQQ5) CIPS specified that the transducer it uses, the TR317C, must be calibrated at the NRL-USRD and no where else. The reason for this is that NRL-USRD is the only NIST traceable facility. The CIPS are extremely specific and mentions NRL-USRD solely because of the reliability and accuracy and commitment that has been a historic trademark operation at NRL-USRD.

In addition to the unique testing standards and calibrations functions performed in Orlando, the facility has certain unique features which would be difficult to replace or relocate. For instance, the Anechoic Tank Facility II, was designed specifically for use in this facility and is 750,000 pounds. Its unique design and construction would make reconstruction of another facility cost prohibitive; therefore, transportation and relocation would be necessary. In addition to these facilities located on the Orlando site, NRL-USRD also maintains a Leesburg facility approximately one hour north of Orlando. This facility consists of a leased lake which provides year-round availability due to the mild climate. Because of the lake's depth, isothermal conditions, and extremely low ambient noise, it represents a unique calibration facility which is not available anywhere else in the United States.

The loss of these facilities and of the highly standards and calibrations performed at these facilities would clearly impact on the operational readiness of the DOD's total force.

In addition, the potential technical loss associated with the disestablishment of a facility such as NRL-USRD represents an incalculable loss to the overall readiness of DOD's forces. The personnel of this lab have 547 collective years of transducer experience with the largest core of transducer among all Navy labs. This experience includes extremely specialized research and, therefore, requires specially trained technicians to accomplish the mission. If NRL-USRD is disestablished and the calibration functions relocated, there will clearly be a reduction or cessation of NRL's mission. At the very best, the Navy can hope for a long delay of the mission while facilities are rebuilt and while technical personnel are retrained in Rhode Island. While the community understands that "technical loss" cannot be quantitatively measured, there remain several major concerns. First of all, NRL-USRD has generated hundreds, if not a few thousand, applicable technical reports, memoranda, papers and patents. This information and data have helped scientists at other Navy laboratories, as well as in industry, in resolving tough technical problems regarding sonar transducers. Secondly, the entire United States Naval fleet has depended upon warm water calibration data of NRL-USRD for fifty years. Water temperatures of northern test facilities such as those found at Rhode Island, vary significantly with the season. If NRL-USRD is relocated, the Navy will no longer be able to compare the previous fifty years of data taken at the original test site. The significance of this point is that temperature changes in a test environment mean possible changes in the test data that is recorded. Clearly, the problem that occurs in comparing such data is that the evaluator is unable to determine if changes in measurements are due to the test environment or if they are due to a problem with the transducers. NRL-USRD's unique test facilities remain nearly constant in temperature year round compared to other Naval facilities; therefore, these facilities have provided the DON and the DOD with confident and reliable calibration.

Furthermore, the situation regarding sonar transducer RDT&E has reached a critical situation in the United States Navy. Clearly, anti-submarine warfare capability is not as critical today as it was at the peak of the Cold War; however, it is imperative that critical capabilities be

maintained and supported by responsible management. As a result of anti-submarine warfare cutbacks, industry experts estimate that approximate 70 percent of the sonar transducer engineers who are engaged in the design of sonar transducers have been eliminated. If NRL-USRD and NUWC New London are both closed, industry experts estimate that the Navy will lose a large percentage of the scientists, engineers and technicians currently engaged in sonar transducer work. Since most of the individuals that would be relocated to Rhode Island would either come from Orlando or New London, it is a fair assessment to conclude that a large portion of senior staff level management and a large portion of the senior scientists, engineers and technicians, will be lost as a result of this particular consolidation. This situation clearly poses a threat to the mission readiness of the United States Navy.

**B. The Department of Defense substantially deviated from selection criterion 2 when the Department failed to properly evaluate the availability and condition of land, facilities. . . at the existing and potential receiving locations.**

The DOD did not fully examine the issue of availability and condition of land and facilities at NRL-USRD, Orlando, Florida, when the Department recommended the disestablishment of the facility.

The activities, measurements, testing, evaluation, calibrations, and standards functions that are performed at NRL-USRD are unique to this facility and not performed at other facilities that are operated by the United States Navy. Furthermore, functions such as measurements, testing, evaluation, and calibration and standards of acoustic transducers and materials are also performed at NSWC Carter Rock, MD; NUWC Keyport, WA; NUWC Newport, RI; NSWC Crane, IN; NSWC Panama City, FL; and NCCOSC San Diego, CA. However, there is little direct duplication among all of these sites meaning that the testing performed in Orlando is indeed unique.

Measurements, tests and evaluations on acoustics, transducers and materials are carried out in specialized facilities at NRL-USRD. Measurements have been made on transducers and materials associated with most of the Navy's major underwater acoustic programs sonar buoys and anechoic codings. NRL-USRD has six separate facilities, each with a unique capability. These facilities include: the Lake Gem Mary Facility; the Anechoic Tank Facility I and the Anechoic Tank Facility II, which is used to simulate deep ocean depths; the low frequency facility, which operates at extremely high pressures to simulate very deep ocean depths; and the Leesburg Facility, an acoustically quiet and constant temperature facility to make low frequency measurements.

Over the last decade, NRL-USRD has invested a substantial amount of money in modernizing laboratory facilities. This expansion and modernization has included the construction of three new buildings to provide engineers and technicians with over 7,200 square feet of space. One

building was specifically designed as a laboratory for transducer development and fabrication. The existence of these modernized laboratory facilities combined with the Leesburg Lake facility and with the Anechoic Tank facilities located in Orlando provide for a modern and well poised facility to continue the type of testing evaluation and calibration now being performed at Orlando.

While consolidation of like-minded activities, testing, and evaluation are critical to the success of a smaller sized Navy, the DOD never evaluated or looked at options that would have kept NRL-USRD open. The location and unique features associated with this facility, and the availability of current laboratory and administrative space in Orlando were totally overlooked. For instance, the closure of NUWC New London means the relocation of seven activities to Rhode Island. The following activities are currently located in New London: (1) submarine and surface ship sonar transducer RDT&E complex; (2) submarine sonar development and 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. Several of these activities nicely compliment the type of equipment, facilities, and calibration that are currently being performed at NRL-USRD. The Navy did not pursue options that might include the reduction of personnel in Orlando combined with the shifting of several of these activities with other like-minded activities already located in Orlando. This would allow the DOD to take advantage of the existing land and facilities at NRL-USRD while also maintaining a unique laboratory asset. The remainder of these activities which are not consolidated at NRL-USRD, would be relocated to Newport, Rhode Island.

**C. The Department of Defense substantially deviated from selection criterion 5 when the Department failed to properly evaluate the extent and timing of potential costs and savings including the number of years beginning with the date of completion and the closure of realignment for the savings to exceed the costs.**

DOD did not fully evaluate the return on investment criteria with respect to its decision to place NRL-USRD on the closure list. The value and importance of the military value and operational readiness issues discussed above warrant a complete review and evaluation of all viable options regarding NRL-USRD, and the Navy omitted any evidence that such an analysis was performed.

Alternative cost scenarios would have revealed a cost plan which is cheaper initially and will save more in the long run, while maintaining the operational readiness of the DOD's forces. Further, had these other alternatives been examined, a fundamental inconsistency in DON's analysis would have been detected and corrected. As it stands, two final Navy scenarios relocating laboratory work to Newport used difference BOS/RPMA costs in Newport depending on which scenario is examined. The BOS/RPMA differences can generate a final

net present value in excess of \$10 million a final net present value. The inconsistency noted can be found on input screen 4, BOS/ RPMA at Newport, NUWC activity code 64410. The two COBRA runs are NRLO.cbr and NUWC 1.cbr can be found in Appendix C.

Attached in Appendix D, please find a combined COBRA analysis utilizing the Navy's COBRA models and incorporating both the closure of NUWC and NRL-USRD to Newport scenarios. In addition, the community compared that COBRA scenario to a consolidation approach which sends only specific schools to Newport, leaves underwater testing calibration in Orlando, and relocates underwater testing calibration functions in New London to Orlando. The community alternative is a more cost effective option which does not jeopardize the critical operational readiness concerns articulated earlier.

The community's alternative COBRA analysis generates a net present value that is nearly \$30 million greater than DON's alternative and has a one-time cost that is \$10.3 million less than DON's scenario. The community's COBRA alternative is attached under Appendix E. The chart below highlights the comparisons and distinctions between these COBRA runs.

	<b>Community Alternative</b>	<b>Navy COBRA Run: Combining NUWC and NRL-USRD</b>	<b>Difference</b>
<b>One Time Costs</b>	\$ 21.5 M	\$ 31.8 M	<i>\$ 10.3 M</i>
<b>Net Present Value</b>	\$ 139.5 M	\$ 112.8 M	<i>\$ 26.7 M</i>
<b>Return on Investment</b>	TWO YEARS	TWO YEARS	

Armstrong

***Armstrong Laboratory  
Air Crew Training Facility***

*Mesa, Arizona*

**Background**

Under the BRAC 91 process, the DOD recommended the closure of Williams Air Force Base and the relocation of one of the tenants at the base, the Armstrong Laboratory, the simulation research and development center for the Air Force, to Orlando, Florida. The rationale behind the proposed relocation stemmed from the fact that both the Navy and the Army simulation centers, the Naval Air Warfare Center - Training Systems Division (NAWC-TSD) and Simulation Training and Instrumentation Command (STRICOM) were already co-located at the Central Florida Research Park in Orlando, Florida. The synergy and corroboration between these two facilities have generated untold benefits to the DOD. The addition of the Air Force component in the simulation and training industry would complete the Department's collocation efforts.

Pursuant to public law, the Air Force began its relocation efforts to Orlando within the prescribed period of time. However, during the course of the last twelve months, the Air Force has undertaken studies to justify the request for a redirect of the Armstrong Laboratories from Orlando to Mesa so that the laboratories would remain in Arizona. According to correspondence provided by the Air Force, the Air Force Materiel Command initiated and conducted a study concerning Armstrong's missions, functions and locations. After requesting this information from the Air Force, it is our understanding that Congressman McCollum received a reply indicating that the study was an internal working document and, therefore, was not appropriate for release outside of the Air Force. Furthermore, the Air Force responded by saying that the study was not used in the Air Force BRAC analysis. However, in correspondence to Congressman McCollum, the Secretary of the Air Force implied that the conclusions of the study were the catalysis for the request of redirect.

**Armstrong Laboratories Should Remain in Orlando, Florida**

Armstrong Laboratories should be co-located with NAWC-TSD and STRICOM in Orlando, for two primary reasons. First, the current co-location of NAWC-TSD and STRICOM has afforded the Department of Defense a unique opportunity to avoid duplication of efforts among the services and to afford the development of a synergy between the departments which generates cost savings, more productivity and ultimately a better product. Consolidation of support activities such as simulation technology has proven to be extremely effective in the case of the Navy and the Army. Moving Armstrong Laboratories to Orlando to join all three

services in this co-location as directed by BRAC 91, just makes plain sense.

In its BRAC justification, the Air Force stated that facilities were not available at the estimated costs in Orlando but that is not true. Second, the Air Force justification for a redirect simply falls apart upon examination. They did not do their homework in the Orlando area. However, the Air Force never evaluated or considered options that exist at the closing Naval Training Center, Orlando or cost effective opportunities to move into the Central Florida Research Park. The Air Force stated that Navy actions in BRAC 93 reduced pilot resources necessary for this facility's work. However, pilot resources to assist the Air Force in its work are available at numerous facilities in the Central Florida area.

Finally, the recommendation by the Department of Defense to request a redirect so that Armstrong Laboratories remain in Mesa, Arizona seems to be in direct contradiction to the rationale used to attempt to move the NNPTC from Orlando to Charleston instead of considering maintaining the NNPTC in Orlando. In the latter situation, the Navy argues that although maintaining NNPTC in Orlando might be cost effective and might save the taxpayers millions of dollars over the next twenty years, the creation of a cantonment area around the NNPTC campus is tantamount to reopening a closed military installation. Since DOD made the same recommendation in its report to the DBCRC, it is implied that the Department agrees with the Navy in their rationale. However, the Secretary of the Air Force stated that the creation of a cantonment area around Armstrong Laboratory at what was once known as Williams Air Force Base was a viable solution. Again, the Department agreed with the Air Force in presenting that recommendation to the Base Closure Commission. However, therein lies the contradiction.

DOD improperly evaluated several of the military value criteria in making its final recommendation to the Defense Base Closure and Realignment Commission.

- A. The Department of Defense substantially deviated from selection criterion 1 when the Department failed to properly evaluate the current and future mission requirements and the impact and operational readiness of the Department of Defense's total force.**

The Department of Defense did not fully examine the issue of current and future mission requirements and the impact it would have on operational readiness when the Department recommended that Armstrong Laboratory be redirected to remain in Mesa, Arizona. According to the BRAC 91 Commission and the recommendation of the Secretary of the Air Force in 1991, the co-location of activities in Orlando of Armstrong Laboratories, NAWC-TSD, and STRICOM, result in untold benefits to the Department of Defense by avoiding duplication of efforts, increasing efficiency in research and development, and improving overall communications among the services in the area of simulation research and development. This type of synergism has been recognized in Orlando, Florida as a model for

the Department. The co-location of these activities in one research community obviously is to the benefit of the entire overall operational readiness of the Department's forces.

**B. The Department of Defense substantially deviated from selection criterion 2 when the Department failed to properly evaluate the availability and condition of land, facilities, . . . at both the existing and potential receiving locations.**

The Department of Defense did not fully examine the issue of availability and condition of land and facilities in Orlando, Florida when deciding to redirect the facilities to Armstrong Laboratories. In the Department of the Air Force's justification for the redirect, the Air Force stated that "this recommendation (to locate Armstrong to Orlando) was based on assumptions regarding Navy training activities and the availability of facilities. Subsequent to that Commission's report, it was discovered that the facilities were not available at the estimated costs." Facilities are available at reasonable or no cost in Orlando. The Air Force and the DOD just did not look. They do not appear to have examined potential facilities to house Armstrong Laboratories at the Central Florida Research Park where the Army and Navy simulation facilities are located nor did they examine the potential facilities located at the closing Naval Training Center Orlando. For instance, in the Central Florida Research Park, adjacent to the existing facilities which house NAWC-TSD and STRICOM, there exists a 130,000 square foot building which is for sale. The building formerly housed Harris Company operations in Orlando, Florida, and was recently vacated by Harris Company. The building is now owned by Barnett Bank and recently listed for \$4.5 million. It is so convenient, STRICOM has assumed two of the four floors in the structure under a lease arrangement. The Air Force never investigated the possibility that for \$4.5 million it could purchase this building and instead assumed the anticipated costs they cited in their COBRA analysis to construct a new facility at a total cost of \$13.6 million.

**C. The Department of Defense substantially deviated from selection criterion 4 when the Department failed to properly evaluate the cost and manpower implications associated with the redirect of the laboratory of Armstrong Laboratories to Mesa, Arizona.**

DOD erroneously evaluated the issue of costs when it erred in its facilities availability analysis described above; erroneously evaluated the manpower situation in concluding that pilot resources would not be available in Orlando for the Armstrong mission. In the Air Force's justification for the redirect, they site that "the proximity to Luke AFB provides a ready source of fighter aircraft pilots who can support the research activities as consultants and subjects." In analyzing the manpower implications associated with that justification, the Department failed to properly analyze the large resources of fighter pilots, pilot training

consultants and subjects for this type of facility that will be located in the close proximity to the Central Florida community. These resources include: the 39th and 40th Flight Test Squadrons, the 58th, 59th and 60th Fighter Squadrons, and the 85th Test & Evaluation Squadron located at Eglin Air Force Base; the 159th Fighter Squadron located in Jacksonville; and the 95th Fighter Squadron located at Homestead Air Reserve Base. Apparently, the Air Force assumed pilot resources would be lost due to the closure of Cecil Field in Jacksonville by BRAC 93 and never analyzed other resources in Florida.

- D. The Department of Defense substantially deviated from selection criterion 5 when the Department failed to properly evaluate the extent and timing of potential costs and savings including the number of years, beginning with the date of completion of the closure or realignment, for the savings to exceed the costs.**

The DOD failed to properly examine and evaluate the return on investment associated with the recommendation to redirect Armstrong Laboratories to Mesa, Arizona. In the Department's analysis, the Department erroneously cited a \$13.6 million MILCON avoidance cost. The Department never fully analyzed or fully evaluated the possibility of either free space located at the closing Naval Training Center Orlando, nor did the Department fully analyze the potential for sites located at the Central Florida Research Park. Had the Department performed this analysis prior to making its final recommendations, they could have identified free laboratory space at the former NTC-Orlando, or the Department could have investigated the possibility of purchasing a relatively new and modern facility for a fraction of its original cost in the Central Florida Research Park next to the Army and Navy facilities is discussed above.

In conclusion, the Department of Defense's justifications and rationale for recommending the redirect of Armstrong Laboratories to Mesa, Arizona from Orlando, Florida, are erroneous and unfounded and substantially deviated from several of the criteria. The recommendation for redirect should be set aside, and the decision of BRAC 91 to locate Armstrong Laboratories in Orlando ratified.



Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Starting Year : 1996  
 Final Year : 1996  
 ROI Year : Immediate

NPV in 2015(\$K): -157,545  
 1-Time Cost(\$K): 8,125

Net Costs (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	683	-118,897	-38,777	1,223	1,223	0	-154,544	0
Person	0	0	0	0	0	0	0	0
Overhd	21	21	21	21	21	21	125	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	-5,025	-4,371	-406	-230	-371	-80	-10,483	0
<b>TOTAL</b>	<b>-4,321</b>	<b>-123,247</b>	<b>-39,162</b>	<b>1,014</b>	<b>873</b>	<b>-59</b>	<b>-164,902</b>	<b>0</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
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	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:  
 -----

RETAIN Navy Nuclear Power School and NUCFLDASCOL ORLANDO

Includes New London cost avoidance of \$162 million.

NPSORL2.cbr

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Costs (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	3,107	1,223	1,223	1,223	1,223	0	8,000	0
Person	0	0	0	0	0	0	0	0
Overhd	21	21	21	21	21	21	125	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>3,128</b>	<b>1,244</b>	<b>1,244</b>	<b>1,244</b>	<b>1,244</b>	<b>21</b>	<b>8,125</b>	<b>0</b>

Savings (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	2,424	120,120	40,000	0	0	0	162,544	0
Person	0	0	0	0	0	0	0	0
Overhd	0	0	0	0	0	0	0	0
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	5,025	4,371	406	230	371	80	10,483	0
<b>TOTAL</b>	<b>7,449</b>	<b>124,491</b>	<b>40,406</b>	<b>230</b>	<b>371</b>	<b>80</b>	<b>173,027</b>	<b>0</b>

NET PRESENT VALUES REPORT (COBRA v5.08)  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
1996	-4,321,133	-4,262,915	-4,262,915
1997	-123,246,925	-118,332,311	-122,595,227
1998	-39,161,925	-36,593,964	-159,189,190
1999	1,014,075	922,218	-158,266,972
2000	873,075	772,740	-157,494,233
2001	-59,167	-50,965	-157,545,198
2002	0	0	-157,545,198
2003	0	0	-157,545,198
2004	0	0	-157,545,198
2005	0	0	-157,545,198
2006	0	0	-157,545,198
2007	0	0	-157,545,198
2008	0	0	-157,545,198
2009	0	0	-157,545,198
2010	0	0	-157,545,198
2011	0	0	-157,545,198
2012	0	0	-157,545,198
2013	0	0	-157,545,198
2014	0	0	-157,545,198
2015	0	0	-157,545,198

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	8,000,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		8,000,000
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	125,000	
Total - Overhead		125,000
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	0	
Total - Other		0
-----		
Total One-Time Costs		8,125,000
-----		
One-Time Savings		
Military Construction Cost Avoidances	162,544,000	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	10,483,000	
-----		
Total One-Time Savings		173,027,000
-----		
Total Net One-Time Costs		-164,902,000

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Base: SUBASE NEW LONDON, CT  
 (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	0	
Total - Other		0
-----		-----
Total One-Time Costs		0
-----		-----
One-Time Savings		
Military Construction Cost Avoidances	162,544,000	
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		162,544,000
-----		-----
Total Net One-Time Costs		-162,544,000

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N950M.SFF

Base: WPNSTA CHARLESTON, SC  
 (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	0	
Total - Other		0
-----		
Total One-Time Costs		0
-----		
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		0

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL  
 (All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	8,000,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		8,000,000
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	125,000	
Total - Overhead		125,000
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	0	
Total - Other		0
-----		
Total One-Time Costs		8,125,000
-----		
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	10,483,000	
-----		
Total One-Time Savings		10,483,000
-----		
Total Net One-Time Costs		-2,358,000

Department : NAVY  
Option Package : NPS stays in Orlando  
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

All Costs in \$K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
SUBASE NEW LONDON	0	0	0	-162,544	-162,544
WPNSTA CHARLESTON	0	0	0	0	0
NPS ORLANDO	8,000	0	0	0	8,000
Totals:	8,000	0	0	-162,544	-154,544

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

MilCon for Base: SUBASE NEW LONDON, CT

All Costs in \$K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
Total Construction Cost:						0
+ Info Management Account:						0
+ Land Purchases:						0
- Construction Cost Avoid:						162,544
TOTAL:						-162,544

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

MilCon for Base: NPS ORLANDO, FL

All Costs in \$K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
-----	-----	-----	-----	-----	-----	-----
	OTHER	0	n/a	0	n/a	8,000
BEQ MAINT & OTH BLDGS						

Total Construction Cost:	8,000
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	0
-----	
TOTAL:	8,000

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

PERSONNEL SUMMARY REPORT (COBRA v5.08)  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95QM.SFF

PERSONNEL SUMMARY FOR: SUBASE NEW LONDON, CT

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

Officers	Enlisted	Students	Civilians
859	7,419	2,164	1,015

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
859	7,419	2,164	1,015

PERSONNEL SUMMARY FOR: WPNSTA CHARLESTON, SC

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

Officers	Enlisted	Students	Civilians
145	1,695	67	727

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
145	1,695	67	727

PERSONNEL SUMMARY FOR: NPS ORLANDO, FL

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
149	365	2,266	194

FORCE STRUCTURE CHANGES:

	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	0	0	-70	0	0	-70
TOTAL	0	0	0	-70	0	0	-70

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
149	365	2,266	124

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
149	365	2,266	124

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

	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)**		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)**		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	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	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	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.

+ 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 : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT	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	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	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	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%

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: WPNSTA CHARLESTON, SC	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT								
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								
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								
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	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	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%

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Base: NPS ORLANDO, FL	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)*	0.00%	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)*	0.00%	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	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	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	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%

PERSONNEL YEARLY PERCENTAGES (COBRA v5.08)  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Base: SUBASE NEW LONDON, CT

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	33.33%	0	0.00%	16.67%
1997	0	0.00%	16.67%	0	0.00%	16.67%
1998	0	0.00%	16.67%	0	0.00%	16.67%
1999	0	0.00%	16.67%	0	0.00%	16.67%
2000	0	0.00%	16.67%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

Base: WPNSTA CHARLESTON, SC

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	33.33%	0	0.00%	16.67%
1997	0	0.00%	16.67%	0	0.00%	16.67%
1998	0	0.00%	16.67%	0	0.00%	16.67%
1999	0	0.00%	16.67%	0	0.00%	16.67%
2000	0	0.00%	16.67%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

Base: NPS ORLANDO, FL

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	33.33%	0	0.00%	16.67%
1997	0	0.00%	16.67%	0	0.00%	16.67%
1998	0	0.00%	16.67%	0	0.00%	16.67%
1999	0	0.00%	16.67%	0	0.00%	16.67%
2000	0	0.00%	16.67%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/12  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

ONE-TIME COSTS -----(\$K)-----	1996 ----	1997 ----	1998 ----	1999 ----	2000 ----	2001 ----	Total -----
CONSTRUCTION							
MILCON	3,107	1,223	1,223	1,223	1,223	0	8,000
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	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	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	21	21	21	21	21	21	125
New Hire	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	0	0	0	0	0	0
TOTAL ONE-TIME	3,128	1,244	1,244	1,244	1,244	21	8,125

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/12  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.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	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
<b>TOTAL COST</b>	<b>3,128</b>	<b>1,244</b>	<b>1,244</b>	<b>1,244</b>	<b>1,244</b>	<b>21</b>	<b>8,125</b>	<b>0</b>
ONE-TIME SAVES ----(\$K)----	1996	1997	1998	1999	2000	2001	Total	
CONSTRUCTION								
MILCON	2,424	120,120	40,000	0	0	0	162,544	
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	5,025	4,371	406	230	371	80	10,483	
TOTAL ONE-TIME	7,449	124,491	40,406	230	371	80	173,027	
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
<b>TOTAL SAVINGS</b>	<b>7,449</b>	<b>124,491</b>	<b>40,406</b>	<b>230</b>	<b>371</b>	<b>80</b>	<b>173,027</b>	<b>0</b>

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

ONE-TIME NET -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total	
CONSTRUCTION								
MILCON	683	-118,897	-38,777	1,223	1,223	0	-154,544	
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	21	21	21	21	21	21	125	
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	-5,025	-4,371	-406	-230	-371	-80	-10,483	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	704	-118,876	-38,756	1,244	1,244	21	-154,419	
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	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
TOTAL NET COST	-4,321	-123,247	-39,162	1,014	873	-59	-164,902	0

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Base: SUBASE NEW LONDON, CT

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	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	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 5/12  
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Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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 0 0 0 0 0 0 0 0 0

ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
CONSTRUCTION								
MILCON	2,424	120,120	40,000	0	0	0	162,544	0
Fam Housing	0	0	0	0	0	0	0	0
O&M								
1-Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	0
OTHER								
Land Sales	0	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0	0
TOTAL ONE-TIME	2,424	120,120	40,000	0	0	0	162,544	0

RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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 2,424 120,120 40,000 0 0 0 162,544 0

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: SUBASE NEW LONDON, CT

ONE-TIME NET ----(\$K)----	1996 ----	1997 ----	1998 ----	1999 ----	2000 ----	2001 ----	Total -----	
CONSTRUCTION								
MILCON	-2,424	-120,120	-40,000	0	0	0	-162,544	
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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	-2,424	-120,120	-40,000	0	0	0	-162,544	
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	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
TOTAL NET COST	-2,424	-120,120	-40,000	0	0	0	-162,544	0

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Base: WPNSTA CHARLESTON, SC

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	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	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N950M.SFF

Base: WPNSTA CHARLESTON, SC

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
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 0 0 0 0 0 0 0 0 0

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

RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
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 0



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Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

ONE-TIME COSTS -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	3,107	1,223	1,223	1,223	1,223	0	8,000
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	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	21	21	21	21	21	21	125
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	0	0	0	0	0	0
TOTAL ONE-TIME	3,128	1,244	1,244	1,244	1,244	21	8,125

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 11/12  
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Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
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 3,128 1,244 1,244 1,244 1,244 21 8,125 0

ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0	0
O&M								
1-Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	0
OTHER								
Land Sales	0	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0	0
1-Time Other	5,025	4,371	406	230	371	80	10,483	0
TOTAL ONE-TIME	5,025	4,371	406	230	371	80	10,483	0

RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
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 5,025 4,371 406 230 371 80 10,483 0

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 12/12  
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Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base: NPS ORLANDO, FL								
ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	----	
CONSTRUCTION								
MILCON	3,107	1,223	1,223	1,223	1,223	0	8,000	
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	21	21	21	21	21	21	125	
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	-5,025	-4,371	-406	-230	-371	-80	-10,483	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	-1,897	-3,127	838	1,014	873	-59	-2,358	
RECURRING NET	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	----	-----
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
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	0	0	0	0	0	0	0
TOTAL NET COST	-1,897	-3,127	838	1,014	873	-59	-2,358	0

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

Base	Personnel		SF		
	Change	%Change	Change	%Change	Chg/Per
---	---	---	---	---	---
SUBASE NEW LONDON	0	0%	0	0%	0
WPNSTA CHARLESTON	0	0%	0	0%	0
NPS ORLANDO	0	0%	-100,000	-9%	0

Base	RPMA(\$)			BOS(\$)		
	Change	%Change	Chg/Per	Change	%Change	Chg/Per
---	---	---	---	---	---	---
SUBASE NEW LONDON	0	0%	0	0	0%	0
WPNSTA CHARLESTON	0	0%	0	0	0%	0
NPS ORLANDO	0	0%	0	0	0%	0

Base	RPMABOS(\$)		
	Change	%Change	Chg/Per
---	---	---	---
SUBASE NEW LONDON	0	0%	0
WPNSTA CHARLESTON	0	0%	0
NPS ORLANDO	0	0%	0



INPUT DATA REPORT (COBRA v5.08)  
 Data As Of 16:19 05/08/1995, Report Created 10:07 05/24/1995

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
-----	-----
SUBASE NEW LONDON, CT	Realignment
WPNSTA CHARLESTON, SC	Realignment
NPS ORLANDO, FL	Realignment

Summary:  
 -----

RETAIN Navy Nuclear Power School and NUCFLDASCOL ORLANDO

Includes New London cost avoidance of \$162 million.

NPSORL2.cbr

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
SUBASE NEW LONDON, CT	WPNSTA CHARLESTON, SC	861 mi
SUBASE NEW LONDON, CT	NPS ORLANDO, FL	1,208 mi
WPNSTA CHARLESTON, SC	NPS ORLANDO, FL	347 mi

INPUT SCREEN THREE - MOVEMENT TABLE

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	859	RPMA Non-Payroll (\$K/Year):	0
Total Enlisted Employees:	7,419	Communications (\$K/Year):	0
Total Student Employees:	2,164	BOS Non-Payroll (\$K/Year):	36,013
Total Civilian Employees:	1,015	BOS Payroll (\$K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	00129
Enlisted VHA (\$/Month):	192		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Name: WPNSTA CHARLESTON, SC

Total Officer Employees:	145	RPMA Non-Payroll (\$K/Year):	0
Total Enlisted Employees:	1,695	Communications (\$K/Year):	0
Total Student Employees:	67	BOS Non-Payroll (\$K/Year):	10,982
Total Civilian Employees:	727	BOS Payroll (\$K/Year):	22,090
Mil Families Living On Base:	27.0%	Family Housing (\$K/Year):	157
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.85
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	1,303	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	82	Activity Code:	00193
Enlisted VHA (\$/Month):	42		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NPS ORLANDO, FL

Total Officer Employees:	149	RPMA Non-Payroll (\$K/Year):	0
Total Enlisted Employees:	365	Communications (\$K/Year):	0
Total Student Employees:	2,266	BOS Non-Payroll (\$K/Year):	21,000
Total Civilian Employees:	194	BOS Payroll (\$K/Year):	12,000
Mil Families Living On Base:	0.0%	Family Housing (\$K/Year):	0
Civilians Not Willing To Move:	0.0%	Area Cost Factor:	0.82
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	1,089	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	216	Activity Code:	9999
Enlisted VHA (\$/Month):	148		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.16	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	0	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):	2,424	120,120	40,000	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%

Name: WPNSTA CHARLESTON, SC

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	0	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%

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95OM.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NPS ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	5,025	4,371	406	230	371	80
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 Reqcd(\$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%	100%	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):	100					0.0%
		Perc Family Housing ShutDown:				

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NPS 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	-70	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	0	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

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: NPS ORLANDO, FL

Description	Categ	New MilCon	Rehab MilCon	Total Cost(\$K)
-----	-----	-----	-----	-----
	OTHER	0	0	8,000
BEQ MAINT & OTH BLDGS				

Department : NAVY  
 Option Package : NPS stays in Orlando  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NPSORL2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N950M.SFF

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(\$):	7,925.00	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):	50,827.00	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 O&M,N BRAC95		RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

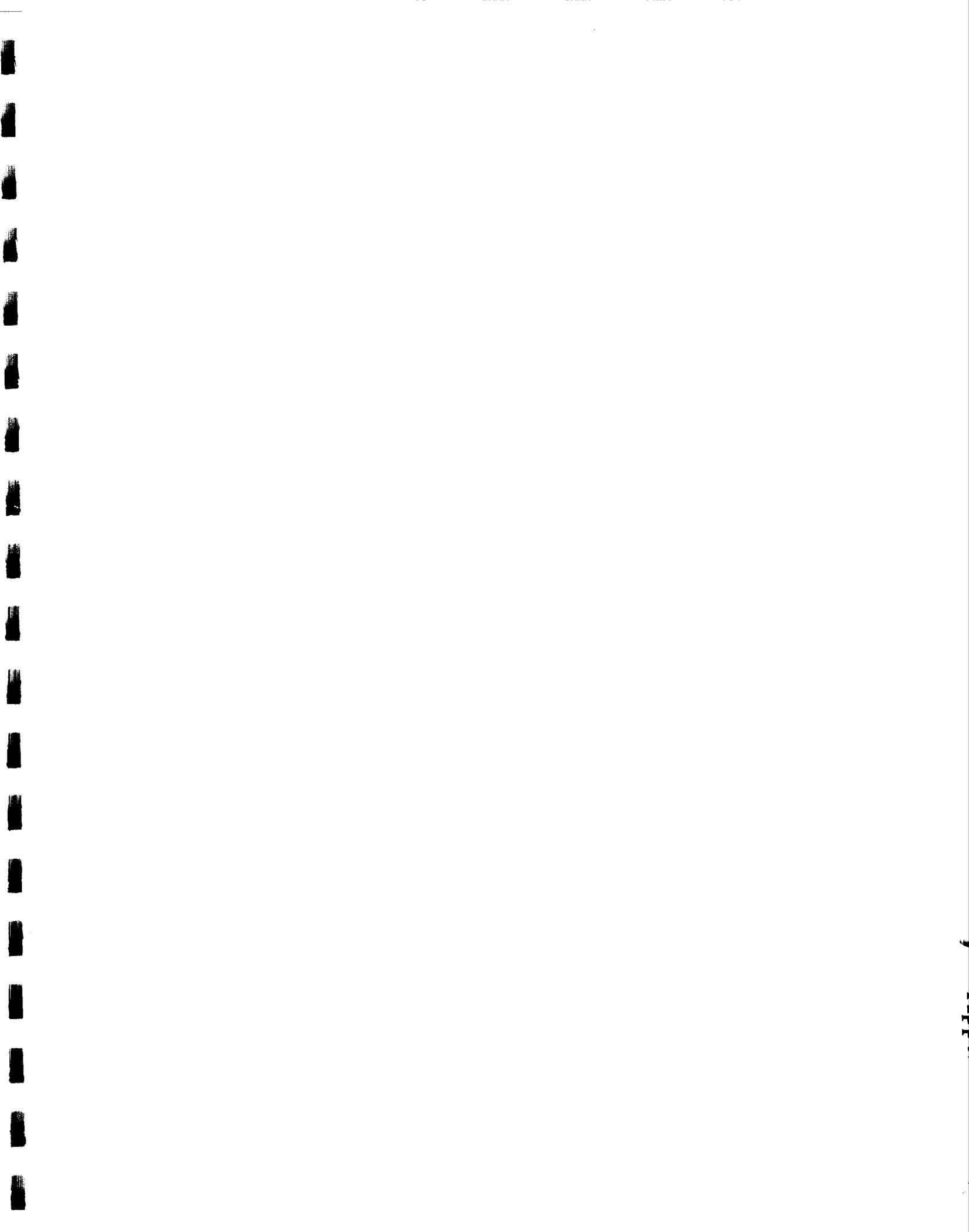
RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	75.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	9.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency 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%	

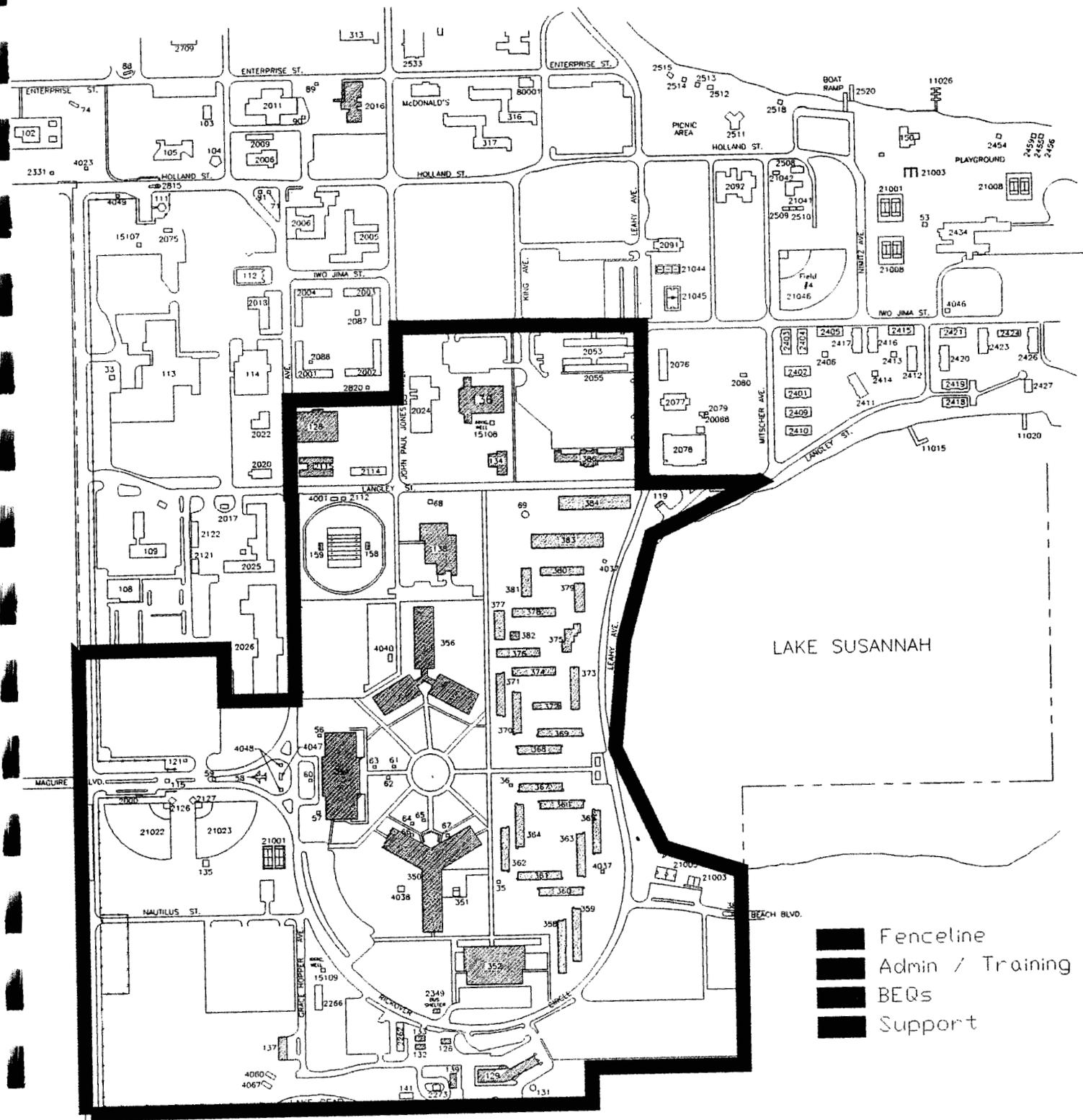
STANDARD FACTORS SCREEN THREE - TRANSPORTATION

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

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			





LAKE SUSANNAH

-  Fenceline
-  Admin / Training
-  BEQs
-  Support

Nuclear Power Training Command  
Orlando, FL



Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

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

NPV in 2015(\$K): -91,220  
 1-Time Cost(\$K): 23,433

	Net Costs (\$K) Constant Dollars		1998	1999	2000	2001	Total	Beyond
	1996	1997						
MilCon	0	0	0	0	0	0	0	0
Person	0	-783	-3,431	-3,431	-3,431	-3,431	-14,506	-3,431
Overhd	812	2,497	-4,134	-4,134	-4,134	-4,134	-13,228	-4,134
Moving	0	13,116	0	0	0	0	13,116	0
Missio	0	0	-490	-490	-490	-490	-1,960	-490
Other	7,069	-4,771	0	0	0	0	2,298	0
<b>TOTAL</b>	<b>7,881</b>	<b>10,059</b>	<b>-8,055</b>	<b>-8,055</b>	<b>-8,055</b>	<b>-8,055</b>	<b>-14,280</b>	<b>-8,055</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	2	0	0	0	0	2
Enl	0	3	0	0	0	0	3
Civ	0	58	0	0	0	0	58
<b>TOT</b>	<b>0</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
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	420	0	0	0	0	420
<b>TOT</b>	<b>0</b>	<b>420</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>420</b>

Summary:

-----  
 CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

SCENARIO 038

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95DBOF.SFF

	Costs (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	0	934	0	0	0	0	934	0
Overhd	812	3,418	2,405	2,405	2,405	2,405	13,849	2,405
Moving	0	13,116	0	0	0	0	13,116	0
Missio	0	0	0	0	0	0	0	0
Other	7,069	488	0	0	0	0	7,557	0
<b>TOTAL</b>	<b>7,881</b>	<b>17,957</b>	<b>2,405</b>	<b>2,405</b>	<b>2,405</b>	<b>2,405</b>	<b>35,457</b>	<b>2,405</b>

	Savings (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	0	1,718	3,431	3,431	3,431	3,431	15,441	3,431
Overhd	0	920	6,539	6,539	6,539	6,539	27,077	6,539
Moving	0	0	0	0	0	0	0	0
Missio	0	0	490	490	490	490	1,960	490
Other	0	5,259	0	0	0	0	5,259	0
<b>TOTAL</b>	<b>0</b>	<b>7,897</b>	<b>10,460</b>	<b>10,460</b>	<b>10,460</b>	<b>10,460</b>	<b>49,737</b>	<b>10,460</b>

INPUT DATA REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:46 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996  
 Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
-----	-----
NUWC NEW LONDON, CT	Realignment
NUWC NEWPORT, RI	Realignment
SUBASE NEW LONDON, CT	Realignment

Summary:  
 -----  
 CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

SCENARIO 038

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
NUWC NEW LONDON, CT	NUWC NEWPORT, RI	55 mi
NUWC NEW LONDON, CT	SUBASE NEW LONDON, CT	7 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT 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	417	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	6	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from NUWC NEW LONDON, CT to SUBASE NEW LONDON, CT

	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	3	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	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

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

Total Officer Employees:	2	RPMA Non-Payroll (\$K/Year):	1,108
Total Enlisted Employees:	10	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	11,345
Total Civilian Employees:	999	BOS Payroll (\$K/Year):	5,660
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	35
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	323	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	70024
Enlisted VHA (\$/Month):	192		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Name: NUWC NEWPORT, RI

Total Officer Employees:	53	RPMA Non-Payroll (\$K/Year):	2,783
Total Enlisted Employees:	83	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	29,902
Total Civilian Employees:	2,579	BOS Payroll (\$K/Year):	13,090
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

Name: SUBBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll (\$K/Year):	7,882
Total Enlisted Employees:	7,211	Communications (\$K/Year):	0
Total Student Employees:	205	BOS Non-Payroll (\$K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll (\$K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	00129
Enlisted VHA (\$/Month):	192		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	0	5,259	0	0	0	0
1-Time Moving Cost (\$K):	0	4,219	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	490	490	490	490
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):	323	Perc Family Housing ShutDown:				0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	6,769	0	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):	300	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%

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	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 : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95D8OF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-58	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(\$):	7,925.00	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 : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC1.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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
Shipyards 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)

SCREEN 5-NEW LONDON: \$5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91 ACTIONS.

SCREEN 5-NEW LONDON: \$4,219K - UNIQUE MOVING COSTS FOR MISSION AND SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: \$490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL TRAVEL EXPENSES.

SCREEN 5-NEWPORT: \$6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: \$300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...

Department : NAVY  
 Option Package : NRL ORLANDO  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N9508OF.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		1998	1999	2000	2001	Total	Beyond
	1996	1997						
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
<b>TOTAL</b>	<b>78</b>	<b>7,233</b>	<b>-2,755</b>	<b>-2,755</b>	<b>-2,755</b>	<b>-2,755</b>	<b>-3,711</b>	<b>-2,755</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	45	0	0	0	0	45
<b>TOT</b>	<b>0</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>45</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
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
<b>TOT</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>

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 : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

	Costs (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
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
<b>TOTAL</b>	<b>78</b>	<b>8,685</b>	<b>409</b>	<b>409</b>	<b>409</b>	<b>409</b>	<b>10,398</b>	<b>409</b>

	Savings (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
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
<b>TOTAL</b>	<b>-0</b>	<b>1,452</b>	<b>3,164</b>	<b>3,164</b>	<b>3,164</b>	<b>3,164</b>	<b>14,109</b>	<b>3,164</b>

INPUT DATA REPORT (COBRA v5.08)  
 Data As Of 08:24 11/21/1994, Report Created 13:45 06/08/1995

Department : NAVY  
 Option Package : NRL ORLANDO  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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 : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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 Reqdc(\$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					0.0%
						Perc Family Housing ShutDown:

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 Reqdc(\$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					0.0%
						Perc Family Housing ShutDown:

(See final page for Explanatory Notes)

Department : NAVY  
 Option Package : NRL ORLANDO  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NRLO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\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(\$):	7,925.00	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 : F:\USERS\XFER\COBRA5\NAVY\DONE\NRLO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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 transferred 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.



Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95DBOF.SFF

Starting Year : 1996  
 Final Year : 1998  
 ROI Year : 2000 (2 Years)

NPV in 2015(\$K): -112,855  
 1-Time Cost(\$K): 31,832

Net Costs (\$K) Constant Dollars	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	0	-1,813	-5,892	-5,892	-5,892	-5,892	-25,381	-5,892
Overhd	891	3,425	-3,765	-3,810	-3,810	-3,810	-10,878	-3,810
Moving	0	16,475	0	0	0	0	16,475	0
Missio	0	-1	-523	-523	-523	-523	-2,093	-523
Other	7,069	-208	0	0	0	0	6,861	0
<b>TOTAL</b>	<b>7,960</b>	<b>17,878</b>	<b>-10,180</b>	<b>-10,224</b>	<b>-10,224</b>	<b>-10,224</b>	<b>-15,016</b>	<b>-10,224</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	2	0	0	0	0	2
Enl	0	3	0	0	0	0	3
Civ	0	103	0	0	0	0	103
TOT	0	108	0	0	0	0	108

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
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	475	0	0	0	0	475
TOT	0	475	0	0	0	0	475

Summary:

-----  
 CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.  
 CLOSE NRL ORLANDO. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

COMBINED NUWC RUN TO ASSESS FULL COSTS OF NUWC CONSOLIDATION  
 USE BOS/RPMA COSTS FOR NUWC SHOWN IN NRLO.cbr (HIGHER BOS/RPMA)

FISHKIND SCENARIO

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Costs (\$K) Constant Dollars	1996		1997		1998		1999		2000		2001		Total	Beyond
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
MilCon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Person	0	1,135	0	0	0	0	0	0	0	0	0	0	1,135	0
Overhd	891	4,566	3,444	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	3,400	19,100	3,400
Moving	0	16,475	0	0	0	0	0	0	0	0	0	0	16,475	0
Missio	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	7,069	5,051	0	0	0	0	0	0	0	0	0	0	12,120	0
<b>TOTAL</b>	<b>7,960</b>	<b>27,228</b>	<b>3,444</b>	<b>3,400</b>	<b>48,830</b>	<b>3,400</b>								

Savings (\$K) Constant Dollars	1996		1997		1998		1999		2000		2001		Total	Beyond
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
MilCon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Person	0	2,949	5,892	5,892	5,892	5,892	5,892	5,892	5,892	5,892	5,892	5,892	26,516	5,892
Overhd	-0	1,141	7,209	7,209	7,209	7,209	7,209	7,209	7,209	7,209	7,209	7,209	29,978	7,209
Moving	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Missio	0	1	523	523	523	523	523	523	523	523	523	523	2,093	523
Other	0	5,259	0	0	0	0	0	0	0	0	0	0	5,259	0
<b>TOTAL</b>	<b>-0</b>	<b>9,350</b>	<b>13,624</b>	<b>63,846</b>	<b>13,624</b>									

NET PRESENT VALUES REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUMC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUMCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
1996	7,959,905	7,852,663	7,852,663
1997	17,878,255	17,165,339	25,018,002
1998	-10,180,425	-9,512,865	15,505,137
1999	-10,224,581	-9,298,419	6,206,717
2000	-10,224,581	-9,049,557	-2,842,839
2001	-10,224,581	-8,807,354	-11,650,194
2002	-10,224,581	-8,571,634	-20,221,828
2003	-10,224,581	-8,342,223	-28,564,052
2004	-10,224,581	-8,118,952	-36,683,004
2005	-10,224,581	-7,901,657	-44,584,661
2006	-10,224,581	-7,690,177	-52,274,837
2007	-10,224,581	-7,484,357	-59,759,194
2008	-10,224,581	-7,284,046	-67,043,240
2009	-10,224,581	-7,089,095	-74,132,336
2010	-10,224,581	-6,899,363	-81,031,699
2011	-10,224,581	-6,714,709	-87,746,407
2012	-10,224,581	-6,534,996	-94,281,403
2013	-10,224,581	-6,360,094	-100,641,497
2014	-10,224,581	-6,189,872	-106,831,369
2015	-10,224,581	-6,024,206	-112,855,576

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	725,242	
Civilian Early Retirement	290,425	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	106,488	
Total - Personnel		1,135,418
Overhead		
Program Planning Support	1,603,240	
Mothball / Shutdown	498,750	
Total - Overhead		2,101,990
Moving		
Civilian Moving	9,406,494	
Civilian PPS	921,600	
Military Moving	0	
Freight	92,770	
One-Time Moving Costs	6,054,000	
Total - Moving		16,474,864
Other		
HAP / RSE	488,249	
Environmental Mitigation Costs	300,000	
One-Time Unique Costs	11,332,000	
Total - Other		12,120,249
-----		
Total One-Time Costs		31,832,522
-----		
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	5,259,000	
-----		
Total One-Time Savings		5,259,000
-----		
Total Net One-Time Costs		26,573,522

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT  
 (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	597,258	
Civilian Early Retirement	236,278	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	87,696	
Total - Personnel		934,495
Overhead		
Program Planning Support	1,421,709	
Mothball / Shutdown	403,750	
Total - Overhead		1,825,459
Moving		
Civilian Moving	8,311,035	
Civilian PPS	518,400	
Military Moving	0	
Freight	67,813	
One-Time Moving Costs	4,219,000	
Total - Moving		13,116,248
Other		
HAP / RSE	488,249	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
Total - Other		488,249
-----		-----
Total One-Time Costs		16,364,452
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	5,259,000	
-----		-----
Total One-Time Savings		5,259,000
-----		-----
Total Net One-Time Costs		11,105,452

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	300,000	
One-Time Unique Costs	10,286,000	
Total - Other		10,586,000
-----		
Total One-Time Costs		10,586,000
-----		
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		10,586,000

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT  
 (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	0	
Total - Other		0
-----		0
Total One-Time Costs		0
-----		
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	
-----		0
Total One-Time Savings		0
-----		
Total Net One-Time Costs		0

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

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

Category	Cost	Sub-Total
<b>Construction</b>		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>0</b>
<b>Personnel</b>		
Civilian RIF	127,984	
Civilian Early Retirement	54,147	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	18,792	
<b>Total - Personnel</b>		<b>200,923</b>
<b>Overhead</b>		
Program Planning Support	181,531	
Mothball / Shutdown	95,000	
<b>Total - Overhead</b>		<b>276,531</b>
<b>Moving</b>		
Civilian Moving	1,095,459	
Civilian PPS	403,200	
Military Moving	0	
Freight	24,957	
One-Time Moving Costs	1,835,000	
<b>Total - Moving</b>		<b>3,358,616</b>
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,046,000	
<b>Total - Other</b>		<b>1,046,000</b>
<b>Total One-Time Costs</b>		<b>4,882,071</b>
<b>One-Time Savings</b>		
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	
<b>Total One-Time Savings</b>		<b>0</b>
<b>Total Net One-Time Costs</b>		<b>4,882,071</b>

Department : NAVY  
Option Package : NUWC NEW LONDON  
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

All Costs in \$K

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

PERSONNEL SUMMARY REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC\_COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

PERSONNEL SUMMARY FOR: NUWC NEW LONDON, CT

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
2	10	0	999

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	-7	0	0	0	0	0	-7
Students	0	0	0	0	0	0	0
Civilians	-520	0	0	0	0	0	-520
TOTAL	-527	0	0	0	0	0	-527

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
2	3	0	479

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	417	0	0	0	0	417
TOTAL	0	417	0	0	0	0	417

To Base: SUBBASE NEW LONDON, CT

	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	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

TOTAL PERSONNEL REALIGNMENTS (Out of NUWC NEW LONDON, CT):

	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	420	0	0	0	0	420
TOTAL	0	420	0	0	0	0	420

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	-2	0	0	0	0	-2
Enlisted	0	-3	0	0	0	0	-3
Civilians	0	-58	0	0	0	0	-58
TOTAL	0	-63	0	0	0	0	-63

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	1

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

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: NUWC NEW LONDON, CT							
	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	417	0	0	0	0	417
TOTAL	0	417	0	0	0	0	417

From Base: NRL 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	472	0	0	0	0	472
TOTAL	0	472	0	0	0	0	472

BASE POPULATION (After BRAC Action):			
Officers	Enlisted	Students	Civilians
53	83	0	3,051

PERSONNEL SUMMARY FOR: SUBASE NEW LONDON, CT

BASE POPULATION (FY 1996, Prior to BRAC Action):			
Officers	Enlisted	Students	Civilians
842	7,211	205	1,050

PERSONNEL REALIGNMENTS:							
From Base: NUWC NEW LONDON, CT							
	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	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

TOTAL PERSONNEL REALIGNMENTS (Into SUBASE NEW LONDON, CT):							
	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	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
842	7,211	205	1,053

PERSONNEL SUMMARY FOR: NRL 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 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

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/5  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	475	0	0	0	0	475
Early Retirement*	10.00%	0	48	0	0	0	0	48
Regular Retirement*	5.00%	0	24	0	0	0	0	24
Civilian Turnover*	15.00%	0	71	0	0	0	0	71
Civs Not Moving (RIFs)*+		0	28	0	0	0	0	28
Civilians Moving (the remainder)		0	304	0	0	0	0	304
Civilian Positions Available		0	171	0	0	0	0	171
CIVILIAN POSITIONS ELIMINATED		0	103	0	0	0	0	103
Early Retirement	10.00%	0	11	0	0	0	0	11
Regular Retirement	5.00%	0	5	0	0	0	0	5
Civilian Turnover	15.00%	0	16	0	0	0	0	16
Civs Not Moving (RIFs)*+		0	6	0	0	0	0	6
Priority Placement#	60.00%	0	62	0	0	0	0	62
Civilians Available to Move		0	3	0	0	0	0	3
Civilians Moving		0	3	0	0	0	0	3
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	475	0	0	0	0	475
Civilians Moving		0	307	0	0	0	0	307
New Civilians Hired		0	168	0	0	0	0	168
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	59	0	0	0	0	59
TOTAL CIVILIAN RIFS		0	34	0	0	0	0	34
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	62	0	0	0	0	62
TOTAL CIVILIAN NEW HIRES		0	168	0	0	0	0	168

\* 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 : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	420	0	0	0	0	420
Early Retirement*	10.00%	0	42	0	0	0	0	42
Regular Retirement*	5.00%	0	21	0	0	0	0	21
Civilian Turnover*	15.00%	0	63	0	0	0	0	63
Civs Not Moving (RIFs)*	6.00%	0	25	0	0	0	0	25
Civilians Moving (the remainder)		0	269	0	0	0	0	269
Civilian Positions Available		0	151	0	0	0	0	151
CIVILIAN POSITIONS ELIMINATED		0	58	0	0	0	0	58
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	9	0	0	0	0	9
Civs Not Moving (RIFs)*	6.00%	0	3	0	0	0	0	3
Priority Placement#	60.00%	0	35	0	0	0	0	35
Civilians Available to Move		0	2	0	0	0	0	2
Civilians Moving		0	2	0	0	0	0	2
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	48	0	0	0	0	48
TOTAL CIVILIAN RIFS		0	28	0	0	0	0	28
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	35	0	0	0	0	35
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%

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\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	472	0	0	0	0	472
Civilians Moving		0	304	0	0	0	0	304
New Civilians Hired		0	168	0	0	0	0	168
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	168	0	0	0	0	168

\* 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 : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC\_COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
<b>CIVILIAN POSITIONS REALIGNING OUT</b>		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
<b>CIVILIAN POSITIONS ELIMINATED</b>		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
<b>CIVILIAN POSITIONS REALIGNING IN</b>		0	3	0	0	0	0	3
Civilians Moving		0	3	0	0	0	0	3
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN EARLY RETIRMENTS</b>		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN RIFs</b>		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN PRIORITY PLACEMENTS#</b>		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN NEW HIRES</b>		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%

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC\_COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL	Rate	1996	1997	1998	1999	2000	2001	Total
<b>CIVILIAN POSITIONS REALIGNING OUT</b>		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
<b>CIVILIAN POSITIONS ELIMINATED</b>		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
<b>CIVILIAN POSITIONS REALIGNING IN</b>		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
<b>TOTAL CIVILIAN EARLY RETIREMENTS</b>		0	11	0	0	0	0	11
<b>TOTAL CIVILIAN RIFs</b>		0	6	0	0	0	0	6
<b>TOTAL CIVILIAN PRIORITY PLACEMENTS#</b>		0	27	0	0	0	0	27
<b>TOTAL CIVILIAN NEW HIRES</b>		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%

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	0.00%
1997	0	0.00%	0.00%	483	100.00%	100.00%
1998	0	0.00%	0.00%	0	0.00%	0.00%
1999	0	0.00%	0.00%	0	0.00%	0.00%
2000	0	0.00%	0.00%	0	0.00%	0.00%
2001	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	483	100.00%	100.00%

Base: NUWC NEWPORT, RI

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	472	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	472	100.00%	100.00%	0	0.00%	100.00%

Base: SUBASE NEW LONDON, CT

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	3	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	3	100.00%	100.00%	0	0.00%	100.00%

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	66.67%	0	0.00%	0.00%
1997	0	0.00%	33.33%	100	100.00%	100.00%
1998	0	0.00%	0.00%	0	0.00%	0.00%
1999	0	0.00%	0.00%	0	0.00%	0.00%
2000	0	0.00%	0.00%	0	0.00%	0.00%
2001	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	100	100.00%	100.00%

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	725	0	0	0	0	725
Civ Retire	0	290	0	0	0	0	290
CIV MOVING							
Per Diem	0	1,096	0	0	0	0	1,096
POV Miles	0	11	0	0	0	0	11
Home Purch	0	3,827	0	0	0	0	3,827
HHG	0	1,953	0	0	0	0	1,953
Misc	0	213	0	0	0	0	213
House Hunt	0	676	0	0	0	0	676
PPS	0	922	0	0	0	0	922
RITA	0	1,630	0	0	0	0	1,630
FREIGHT							
Packing	0	76	0	0	0	0	76
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	106	0	0	0	0	106
OTHER							
Program Plan	891	668	44	0	0	0	1,603
Shutdown	0	499	0	0	0	0	499
New Hire	0	0	0	0	0	0	0
1-Time Move	0	6,054	0	0	0	0	6,054
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	13	0	0	0	0	13
OTHER							
HAP / RSE	0	488	0	0	0	0	488
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,769	4,563	0	0	0	0	11,332
TOTAL ONE-TIME	7,960	23,828	44	0	0	0	31,832

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/15  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	3,400	3,400	3,400	3,400	3,400	16,998	3,400
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	3,400	3,400	3,400	3,400	3,400	16,998	3,400
TOTAL COST	7,960	27,228	3,444	3,400	3,400	3,400	48,830	3,400
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
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	5,259	0	0	0	0	5,259	
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259	
RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-0	612	1,288	1,288	1,288	1,288	5,764	1,288
BOS	0	529	5,921	5,921	5,921	5,921	24,214	5,921
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	2,817	5,633	5,633	5,633	5,633	25,351	5,633
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	1	523	523	523	523	2,093	523
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-0	4,091	13,624	13,624	13,624	13,624	58,587	13,624
TOTAL SAVINGS	-0	9,350	13,624	13,624	13,624	13,624	63,846	13,624

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	1,016	0	0	0	0	1,016	
Civ Moving	0	10,421	0	0	0	0	10,421	
Other	891	7,327	44	0	0	0	8,262	
MIL PERSONNEL								
Mil Moving	0	13	0	0	0	0	13	
OTHER								
HAP / RSE	0	488	0	0	0	0	488	
Environmental	300	0	0	0	0	0	300	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	6,769	-696	0	0	0	0	6,073	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	7,960	23,828	44	0	0	0	31,832	
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	-612	-1,288	-1,288	-1,288	-1,288	-5,764	-1,288
BOS	0	2,870	-2,522	-2,522	-2,522	-2,522	-7,216	-2,522
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-2,817	-5,633	-5,633	-5,633	-5,633	-25,351	-5,633
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	-1	-523	-523	-523	-523	-2,093	-523
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-691	-10,224	-10,224	-10,224	-10,224	-41,589	-10,224
TOTAL NET COST	7,960	17,878	-10,180	-10,224	-10,224	-10,224	-15,016	-10,224

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 4/15  
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Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS							
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
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	597	0	0	0	0	597
Civ Retire	0	236	0	0	0	0	236
CIV MOVING							
Per Diem	0	954	0	0	0	0	954
POV Miles	0	3	0	0	0	0	3
Home Purch	0	3,457	0	0	0	0	3,457
HHG	0	1,698	0	0	0	0	1,698
Misc	0	187	0	0	0	0	187
House Hunt	0	565	0	0	0	0	565
PPS	0	518	0	0	0	0	518
RITA	0	1,447	0	0	0	0	1,447
FREIGHT							
Packing	0	67	0	0	0	0	67
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	88	0	0	0	0	88
OTHER							
Program Plan	812	609	0	0	0	0	1,422
Shutdown	0	404	0	0	0	0	404
New Hires	0	0	0	0	0	0	0
1-Time Move	0	4,219	0	0	0	0	4,219
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	13	0	0	0	0	13
OTHER							
HAP / RSE	0	488	0	0	0	0	488
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	812	15,552	0	0	0	0	16,364

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Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT								
RECURRING COSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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	812	15,552	0	0	0	0	16,364	0
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
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	5,259	0	0	0	0	5,259	
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259	
RECURRING SAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	526	1,108	1,108	1,108	1,108	4,958	1,108
BOS	0	394	5,431	5,431	5,431	5,431	22,119	5,431
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	1,586	3,172	3,172	3,172	3,172	14,275	3,172
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	490	490	490	490	1,960	490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	2,638	10,460	10,460	10,460	10,460	44,478	10,460
TOTAL SAVINGS	0	7,897	10,460	10,460	10,460	10,460	49,737	10,460

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Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT								
ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	833	0	0	0	0	833	
Civ Moving	0	8,897	0	0	0	0	8,897	
Other	812	5,320	0	0	0	0	6,132	
<b>MIL PERSONNEL</b>								
Mil Moving	0	13	0	0	0	0	13	
<b>OTHER</b>								
HAP / RSE	0	488	0	0	0	0	488	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	-5,259	0	0	0	0	-5,259	
Land	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>812</b>	<b>10,293</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,105</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
RPMA	0	-526	-1,108	-1,108	-1,108	-1,108	-4,958	-1,108
BOS	0	-394	-5,431	-5,431	-5,431	-5,431	-22,119	-5,431
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-1,586	-3,172	-3,172	-3,172	-3,172	-14,275	-3,172
CHAMPUS	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	-490	-490	-490	-490	-1,960	-490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>-2,638</b>	<b>-10,460</b>	<b>-10,460</b>	<b>-10,460</b>	<b>-10,460</b>	<b>-44,478</b>	<b>-10,460</b>
<b>TOTAL NET COST</b>	<b>812</b>	<b>7,654</b>	<b>-10,460</b>	<b>-10,460</b>	<b>-10,460</b>	<b>-10,460</b>	<b>-33,373</b>	<b>-10,460</b>

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 7/15  
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Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI

ONE-TIME COSTS	1996	1997	1998	1999	2000	2001	Total
-----(\$K)-----	----	----	----	----	----	----	----
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	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	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,769	3,517	0	0	0	0	10,286
TOTAL ONE-TIME	7,069	3,517	0	0	0	0	10,586



Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI								
ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
----(\$K)-----	----	----	----	----	----	----	----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
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	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	300	0	0	0	0	0	300	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	6,769	3,517	0	0	0	0	10,286	
Land	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>7,069</b>	<b>3,517</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,586</b>	
<b>RECURRING NET</b>								
----(\$K)-----	----	----	----	----	----	----	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
RPMA	0	0	0	0	0	0	0	0
BOS	0	3,393	3,393	3,393	3,393	3,393	16,967	3,393
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
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
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
<b>TOTAL RECUR</b>	<b>0</b>	<b>3,393</b>	<b>3,393</b>	<b>3,393</b>	<b>3,393</b>	<b>3,393</b>	<b>16,967</b>	<b>3,393</b>
<b>TOTAL NET COST</b>	<b>7,069</b>	<b>6,910</b>	<b>3,393</b>	<b>3,393</b>	<b>3,393</b>	<b>3,393</b>	<b>27,553</b>	<b>3,393</b>

Department : NAVY  
 Option Package : NUWC NEW LONDON  
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Base: SUBASE NEW LONDON, CT

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	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	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0



Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
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	6	6	6	6	6	31	6
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	6	6	6	6	6	31	6
TOTAL NET COST	0	6	6	6	6	6	31	6

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 13/15  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

ONE-TIME COSTS -----(\$K)-----	1996 ----	1997 ----	1998 ----	1999 ----	2000 ----	2001 ----	Total -----
<b>CONSTRUCTION</b>							
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
<b>O&amp;M</b>							
<b>CIV SALARY</b>							
Civ RIFs	0	128	0	0	0	0	128
Civ Retire	0	54	0	0	0	0	54
<b>CIV MOVING</b>							
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
<b>FREIGHT</b>							
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
<b>OTHER</b>							
Program Plan	78	59	44	0	0	0	181
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
<b>MIL PERSONNEL</b>							
<b>MIL MOVING</b>							
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
<b>OTHER</b>							
Elim PCS	0	0	0	0	0	0	0
<b>OTHER</b>							
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
<b>TOTAL ONE-TIME</b>	<b>78</b>	<b>4,759</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,882</b>

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 14/15  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL								
RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)-----	----	----	----	----	----	----	-----	-----
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
<b>TOTAL COSTS</b>	<b>78</b>	<b>4,759</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,882</b>	<b>0</b>
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
----(\$K)-----	----	----	----	----	----	----	-----	
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	1996	1997	1998	1999	2000	2001	Total	Beyond
----(\$K)-----	----	----	----	----	----	----	-----	-----
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
<b>TOTAL SAVINGS</b>	<b>-0</b>	<b>1,452</b>	<b>3,164</b>	<b>3,164</b>	<b>3,164</b>	<b>3,164</b>	<b>14,109</b>	<b>3,164</b>

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 15/15  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
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	44	0	0	0	2,130	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
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	
<b>TOTAL ONE-TIME</b>	<b>78</b>	<b>4,759</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,882</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	----	----	----	----	----	----	-----	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
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
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
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
<b>TOTAL RECUR</b>	<b>0</b>	<b>-1,452</b>	<b>-3,164</b>	<b>-3,164</b>	<b>-3,164</b>	<b>-3,164</b>	<b>-14,109</b>	<b>-3,164</b>
<b>TOTAL NET COST</b>	<b>78</b>	<b>3,307</b>	<b>-3,120</b>	<b>-3,164</b>	<b>-3,164</b>	<b>-3,164</b>	<b>-9,227</b>	<b>-3,164</b>

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base	Personnel		SF		
	Change	%Change	Change	%Change	Chg/Per
NUWC NEW LONDON	-483	-100%	-323,000	-100%	669
NUWC NEWPORT	472	17%	0	0%	0
SUBASE NEW LONDON	3	0%	0	0%	0
NRL ORLANDO	-100	-100%	-76,000	-100%	760

Base	RPMA(\$)			BOS(\$)		
	Change	%Change	Chg/Per	Change	%Change	Chg/Per
NUWC NEW LONDON	-1,108,000	-100%	2,294	-5,431,236	-100%	11,245
NUWC NEWPORT	0	0%	0	3,393,341	9%	7,189
SUBASE NEW LONDON	0	0%	0	6,267	0%	2,089
NRL ORLANDO	-180,000	-100%	1,800	-490,000	-100%	4,900

Base	RPMABOS(\$)		
	Change	%Change	Chg/Per
NUWC NEW LONDON	-6,539,236	-110%	13,539
NUWC NEWPORT	3,393,341	8%	7,189
SUBASE NEW LONDON	6,267	0%	2,089
NRL ORLANDO	-670,000	-100%	6,700

RPMA/BOS CHANGE REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\W95DBOF.SFF

Net Change(\$K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	-612	-1,288	-1,288	-1,288	-1,288	-5,764	-1,288
BOS Change	0	2,870	-2,522	-2,522	-2,522	-2,522	-7,216	-2,522
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>0</b>	<b>2,258</b>	<b>-3,810</b>	<b>-3,810</b>	<b>-3,810</b>	<b>-3,810</b>	<b>-12,980</b>	<b>-3,810</b>

INPUT DATA REPORT (COBRA v5.08)  
 Date As Of 17:36 11/30/1994, Report Created 13:34 06/08/1995

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95DBOF.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: Yes

Base Name	Strategy:
-----	-----
NUWC NEW LONDON, CT	Realignment
NUWC NEWPORT, RI	Realignment
SUBASE NEW LONDON, CT	Realignment
NRL ORLANDO, FL	Deactivates in FY 1998

Summary:

-----  
 CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.  
 CLOSE NRL ORLANDO. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT.

COMBINED NUWC RUN TO ASSESS FULL COSTS OF NUWC CONSOLIDATION  
 USE BOS/RPMA COSTS FOR NUWC SHOWN IN NRLO.cbr (HIGHER BOS/RPMA)

FISHKIND SCENARIO

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
NUWC NEW LONDON, CT	NUWC NEWPORT, RI	55 mi
NUWC NEW LONDON, CT	SUBASE NEW LONDON, CT	7 mi
NUWC NEW LONDON, CT	NRL ORLANDO, FL	1,204 mi
NUWC NEWPORT, RI	NRL ORLANDO, FL	1,259 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT 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	417	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	6	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from NUWC NEW LONDON, CT to SUBASE NEW LONDON, CT

	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	3	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	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

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC\_COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NRL 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: NUWC NEW LONDON, CT

Total Officer Employees:	2	RPMA Non-Payroll (\$K/Year):	1,108
Total Enlisted Employees:	10	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	11,345
Total Civilian Employees:	999	BOS Payroll (\$K/Year):	5,660
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	35
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	323	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	70024
Enlisted VHA (\$/Month):	192	Homeowner Assistance Program:	Yes
Per Diem Rate (\$/Day):	89	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

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	Homeowner Assistance Program:	No
Per Diem Rate (\$/Day):	118	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll (\$K/Year):	7,882
Total Enlisted Employees:	7,211	Communications (\$K/Year):	0
Total Student Employees:	205	BOS Non-Payroll (\$K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll (\$K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	00129
Enlisted VHA (\$/Month):	192	Homeowner Assistance Program:	No
Per Diem Rate (\$/Day):	89	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB0.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95D8OF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NRL 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

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	0	5,259	0	0	0	0
1-Time Moving Cost (\$K):	0	4,219	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	490	490	490	490
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):	323					
		Perc Family Housing ShutDown:				0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	6,769	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):	300	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 : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWC COMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	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%

Name: NRL 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%

(See final page for Explanatory Notes)

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-58	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

Department : NAVY  
 Option Package : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NRL 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(\$):	7,925.00	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 : NUWC NEW LONDON  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMBO.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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
Shipyards 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)

SCREEN 5-NEW LONDON: \$5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91

ACTIONS.

SCREEN 5-NEW LONDON: \$4,219K - UNIQUE MOVING COSTS FOR MISSION AND

SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: \$490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL

TRAVEL EXPENSES.

SCREEN 5-NEWPORT: \$6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: \$300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...



COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Starting Year : 1996  
 Final Year : 1997  
 ROI Year : 1999 (2 Years)

NPV in 2015(\$K): -139,516  
 1-Time Cost(\$K): 21,467

Net Costs (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	0	-1,935	-5,782	-5,782	-5,782	-5,782	-25,065	-5,782
Overhd	822	910	-4,778	-4,845	-4,913	-4,980	-17,784	-5,055
Moving	0	11,641	0	0	0	0	11,641	0
Missio	0	0	-490	-490	-490	-490	-1,960	-490
Other	6,300	-4,770	0	0	0	0	1,530	0
<b>TOTAL</b>	<b>7,122</b>	<b>5,846</b>	<b>-11,051</b>	<b>-11,118</b>	<b>-11,185</b>	<b>-11,252</b>	<b>-31,638</b>	<b>-11,328</b>

	1996	1997	1998	1999	2000	2001	Total	
<b>POSITIONS ELIMINATED</b>								
Off	0	2	0	0	0	0	2	
Enl	0	3	0	0	0	0	3	
Civ	0	201	0	0	0	0	201	
TOT	0	206	0	0	0	0	206	

<b>POSITIONS REALIGNED</b>								
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	278	0	0	0	0	278	
TOT	0	278	0	0	0	0	278	

Summary:

-----  
 CLOSE NUWC NEW LONDON. MOVE NECESSARY FUNCTIONS TO NUWC NEWPORT AND  
 NRL ORLANDO.

FISHKIND SCENARIO

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	3,694	5,469	5,469	5,469	5,469	25,571	5,469
Overhd	822	2,842	1,761	1,694	1,626	1,559	10,304	1,484
Moving	0	11,641	0	0	0	0	11,641	0
Missio	0	0	0	0	0	0	0	0
Other	6,300	489	0	0	0	0	6,789	0
<b>TOTAL</b>	<b>7,122</b>	<b>18,666</b>	<b>7,230</b>	<b>7,163</b>	<b>7,096</b>	<b>7,029</b>	<b>54,306</b>	<b>6,953</b>

Savings (\$K) Constant Dollars	1996	1997	1998	1999	2000	2001	Total	Beyond
	----	----	----	----	----	----		
MilCon	0	0	0	0	0	0	0	0
Person	0	5,629	11,252	11,252	11,252	11,252	50,636	11,252
Overhd	0	1,932	6,539	6,539	6,539	6,539	28,089	6,539
Moving	0	0	0	0	0	0	0	0
Missio	0	0	490	490	490	490	1,960	490
Other	0	5,259	0	0	0	0	5,259	0
<b>TOTAL</b>	<b>0</b>	<b>12,819</b>	<b>18,281</b>	<b>18,281</b>	<b>18,281</b>	<b>18,281</b>	<b>85,944</b>	<b>18,281</b>

NET PRESENT VALUES REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
1996	7,122,320	7,026,363	7,026,363
1997	5,846,178	5,613,055	12,639,418
1998	-11,051,094	-10,326,442	2,312,976
1999	-11,118,160	-10,111,056	-7,798,080
2000	-11,185,301	-9,899,868	-17,697,949
2001	-11,252,517	-9,692,808	-27,390,757
2002	-11,327,821	-9,496,520	-36,887,277
2003	-11,327,821	-9,242,355	-46,129,632
2004	-11,327,821	-8,994,993	-55,124,625
2005	-11,327,821	-8,754,251	-63,878,876
2006	-11,327,821	-8,519,952	-72,398,829
2007	-11,327,821	-8,291,924	-80,690,753
2008	-11,327,821	-8,069,999	-88,760,753
2009	-11,327,821	-7,854,014	-96,614,767
2010	-11,327,821	-7,643,809	-104,258,576
2011	-11,327,821	-7,439,230	-111,697,807
2012	-11,327,821	-7,240,127	-118,937,934
2013	-11,327,821	-7,046,352	-125,984,286
2014	-11,327,821	-6,857,764	-132,842,050
2015	-11,327,821	-6,674,223	-139,516,273

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

(All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>0</b>
<b>Personnel</b>		
Civilian RIF	618,589	
Civilian Early Retirement	236,278	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	90,828	
<b>Total - Personnel</b>		<b>958,958</b>
<b>Overhead</b>		
Program Planning Support	1,424,652	
Mothball / Shutdown	653,750	
<b>Total - Overhead</b>		<b>2,078,402</b>
<b>Moving</b>		
Civilian Moving	5,617,368	
Civilian PPS	1,756,800	
Military Moving	0	
Freight	47,495	
One-Time Moving Costs	4,219,000	
<b>Total - Moving</b>		<b>11,640,662</b>
<b>Other</b>		
HAP / RSE	489,274	
Environmental Mitigation Costs	300,000	
One-Time Unique Costs	6,000,000	
<b>Total - Other</b>		<b>6,789,274</b>
<b>Total One-Time Costs</b>		<b>21,467,297</b>
<b>One-Time Savings</b>		
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	5,259,000	
<b>Total One-Time Savings</b>		<b>5,259,000</b>
<b>Total Net One-Time Costs</b>		<b>16,208,297</b>

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Ctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT  
 (All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>0</b>
<b>Personnel</b>		
Civilian RIF	618,589	
Civilian Early Retirement	236,278	
Civilian New Hires	0	
Eliminated Military PCS	13,263	
Unemployment	90,828	
<b>Total - Personnel</b>		<b>958,958</b>
<b>Overhead</b>		
Program Planning Support	1,424,652	
Mothball / Shutdown	403,750	
<b>Total - Overhead</b>		<b>1,828,402</b>
<b>Moving</b>		
Civilian Moving	5,617,368	
Civilian PPS	1,756,800	
Military Moving	0	
Freight	47,495	
One-Time Moving Costs	4,219,000	
<b>Total - Moving</b>		<b>11,640,662</b>
<b>Other</b>		
HAP / RSE	489,274	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
<b>Total - Other</b>		<b>489,274</b>
<b>Total One-Time Costs</b>		<b>14,917,297</b>
<b>One-Time Savings</b>		
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	5,259,000	
<b>Total One-Time Savings</b>		<b>5,259,000</b>
<b>Total Net One-Time Costs</b>		<b>9,658,297</b>

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	250,000	
Total - Overhead		250,000
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	300,000	
One-Time Unique Costs	4,000,000	
Total - Other		4,300,000
-----	-----	-----
Total One-Time Costs		4,550,000
-----	-----	-----
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		4,550,000

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT  
 (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	0	
Total - Other		0
-----		
Total One-Time Costs		0
-----		
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		0

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95080F.SFF

Base: NRL 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	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	2,000,000	
Total - Other		2,000,000
-----		
Total One-Time Costs		2,000,000
-----		
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		2,000,000

Department : NAVY  
Option Package : NUWC NLON SPLIT  
Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

All Costs in \$K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
NUWC NEW LONDON	0	0	0	0	0
NUWC NEWPORT	0	0	0	0	0
SUBASE NEW LONDON	0	0	0	0	0
NRL ORLANDO	0	0	0	0	0
-----					
Totals:	0	0	0	0	0

PERSONNEL SUMMARY REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

PERSONNEL SUMMARY FOR: NUWC NEW LONDON, CT

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
2	10	0	999

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	-7	0	0	0	0	0	-7
Students	0	0	0	0	0	0	0
Civilians	-520	0	0	0	0	0	-520
TOTAL	-527	0	0	0	0	0	-527

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
2	3	0	479

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	210	0	0	0	0	210
TOTAL	0	210	0	0	0	0	210

To Base: SUBBASE NEW LONDON, CT

	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	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

To Base: NRL 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	65	0	0	0	0	65
TOTAL	0	65	0	0	0	0	65

TOTAL PERSONNEL REALIGNMENTS (Out of NUWC NEW LONDON, CT):

	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	278	0	0	0	0	278
TOTAL	0	278	0	0	0	0	278

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	-2	0	0	0	0	-2
Enlisted	0	-3	0	0	0	0	-3
Civilians	0	-201	0	0	0	0	-201
TOTAL	0	-206	0	0	0	0	-206

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Ctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

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: NUWC NEW LONDON, CT

	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	210	0	0	0	0	210
TOTAL	0	210	0	0	0	0	210

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	210	0	0	0	0	210
TOTAL	0	210	0	0	0	0	210

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
53	83	0	2,789

PERSONNEL SUMMARY FOR: SUBBASE NEW LONDON, CT

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

Officers	Enlisted	Students	Civilians
842	7,211	205	1,050

PERSONNEL REALIGNMENTS:

From Base: NUWC NEW LONDON, CT

	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	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

TOTAL PERSONNEL REALIGNMENTS (Into SUBBASE NEW LONDON, CT):

	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	3	0	0	0	0	3
TOTAL	0	3	0	0	0	0	3

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Ctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
842	7,211	205	1,053

PERSONNEL SUMMARY FOR: NRL ORLANDO, FL

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

Officers	Enlisted	Students	Civilians
0	0	0	100

PERSONNEL REALIGNMENTS:

From Base: NUWC NEW LONDON, CT

	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	65	0	0	0	0	65
TOTAL	0	65	0	0	0	0	65

TOTAL PERSONNEL REALIGNMENTS (Into NRL 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	65	0	0	0	0	65
TOTAL	0	65	0	0	0	0	65

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	100	0	0	0	0	100
TOTAL	0	100	0	0	0	0	100

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	265

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/5  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	278	0	0	0	0	278
Early Retirement*	10.00%	0	28	0	0	0	0	28
Regular Retirement*	5.00%	0	14	0	0	0	0	14
Civilian Turnover*	15.00%	0	42	0	0	0	0	42
Civs Not Moving (RIFs)*+		0	17	0	0	0	0	17
Civilians Moving (the remainder)		0	177	0	0	0	0	177
Civilian Positions Available		0	101	0	0	0	0	101
CIVILIAN POSITIONS ELIMINATED		0	201	0	0	0	0	201
Early Retirement	10.00%	0	20	0	0	0	0	20
Regular Retirement	5.00%	0	10	0	0	0	0	10
Civilian Turnover	15.00%	0	30	0	0	0	0	30
Civs Not Moving (RIFs)*+		0	12	0	0	0	0	12
Priority Placement#	60.00%	0	121	0	0	0	0	121
Civilians Available to Move		0	8	0	0	0	0	8
Civilians Moving		0	8	0	0	0	0	8
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	278	0	0	0	0	278
Civilians Moving		0	185	0	0	0	0	185
New Civilians Hired		0	93	0	0	0	0	93
Other Civilian Additions		0	100	0	0	0	0	100
TOTAL CIVILIAN EARLY RETIREMENTS		0	48	0	0	0	0	48
TOTAL CIVILIAN RIFS		0	29	0	0	0	0	29
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	121	0	0	0	0	121
TOTAL CIVILIAN NEW HIRES		0	193	0	0	0	0	193

\* 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 : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	278	0	0	0	0	278
Early Retirement*	10.00%	0	28	0	0	0	0	28
Regular Retirement*	5.00%	0	14	0	0	0	0	14
Civilian Turnover*	15.00%	0	42	0	0	0	0	42
Civs Not Moving (RIFs)*	6.00%	0	17	0	0	0	0	17
Civilians Moving (the remainder)		0	177	0	0	0	0	177
Civilian Positions Available		0	101	0	0	0	0	101
CIVILIAN POSITIONS ELIMINATED		0	201	0	0	0	0	201
Early Retirement	10.00%	0	20	0	0	0	0	20
Regular Retirement	5.00%	0	10	0	0	0	0	10
Civilian Turnover	15.00%	0	30	0	0	0	0	30
Civs Not Moving (RIFs)*	6.00%	0	12	0	0	0	0	12
Priority Placement#	60.00%	0	121	0	0	0	0	121
Civilians Available to Move		0	8	0	0	0	0	8
Civilians Moving		0	8	0	0	0	0	8
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 RETIREMENTS		0	48	0	0	0	0	48
TOTAL CIVILIAN RIFs		0	29	0	0	0	0	29
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	121	0	0	0	0	121
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%

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	210	0	0	0	0	210
Civilians Moving		0	141	0	0	0	0	141
New Civilians Hired		0	69	0	0	0	0	69
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	69	0	0	0	0	69

\* 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 : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT	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	3	0	0	0	0	3
Civilians Moving		0	3	0	0	0	0	3
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	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	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%

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL	Rate	1996	1997	1998	1999	2000	2001	Total
<b>CIVILIAN POSITIONS REALIGNING OUT</b>								
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
<b>CIVILIAN POSITIONS ELIMINATED</b>								
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
<b>CIVILIAN POSITIONS REALIGNING IN</b>								
Civilians Moving		0	41	0	0	0	0	41
New Civilians Hired		0	24	0	0	0	0	24
Other Civilian Additions		0	100	0	0	0	0	100
<b>TOTAL CIVILIAN EARLY RETIRMENTS</b>								
		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN RIFs</b>								
		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN PRIORITY PLACEMENTS#</b>								
		0	0	0	0	0	0	0
<b>TOTAL CIVILIAN NEW HIRES</b>								
		0	124	0	0	0	0	124

\* 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 : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	0.00%
1997	0	0.00%	0.00%	484	100.00%	100.00%
1998	0	0.00%	0.00%	0	0.00%	0.00%
1999	0	0.00%	0.00%	0	0.00%	0.00%
2000	0	0.00%	0.00%	0	0.00%	0.00%
2001	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	484	100.00%	100.00%

Base: NUWC NEWPORT, RI

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	210	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	210	100.00%	100.00%	0	0.00%	100.00%

Base: SUBASE NEW LONDON, CT

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	3	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	3	100.00%	100.00%	0	0.00%	100.00%

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRAS\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRAS\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL

Year	Pers Moved In		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
1996	0	0.00%	100.00%	0	0.00%	16.67%
1997	165	100.00%	0.00%	0	0.00%	16.67%
1998	0	0.00%	0.00%	0	0.00%	16.67%
1999	0	0.00%	0.00%	0	0.00%	16.67%
2000	0	0.00%	0.00%	0	0.00%	16.67%
2001	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	165	100.00%	100.00%	0	0.00%	100.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/15  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\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	618	0	0	0	0	618
Civ Retire	0	236	0	0	0	0	236
CIV MOVING							
Per Diem	0	633	0	0	0	0	633
POV Miles	0	10	0	0	0	0	10
Home Purch	0	2,288	0	0	0	0	2,288
HHG	0	1,182	0	0	0	0	1,182
Misc	0	127	0	0	0	0	127
House Hunt	0	406	0	0	0	0	406
PPS	0	1,757	0	0	0	0	1,757
RITA	0	970	0	0	0	0	970
FREIGHT							
Packing	0	46	0	0	0	0	46
Freight	0	1	0	0	0	0	1
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	91	0	0	0	0	91
OTHER							
Program Plan	814	610	0	0	0	0	1,425
Shutdown	42	445	42	42	42	42	654
New Hire	0	0	0	0	0	0	0
1-Time Move	0	4,219	0	0	0	0	4,219
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	13	0	0	0	0	13
OTHER							
HAP / RSE	0	489	0	0	0	0	489
Environmental	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	6,000	0	0	0	0	0	6,000
TOTAL ONE-TIME	7,156	14,145	42	42	42	42	21,467

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	-33	-100	-167	-234	-301	-369	-1,206	-402
BOS	0	1,886	1,886	1,886	1,886	1,886	9,432	1,886
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	2,735	5,469	5,469	5,469	5,469	24,612	5,469
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	-33	4,521	7,188	7,121	7,054	6,987	32,838	6,953
TOTAL COST	7,122	18,666	7,230	7,163	7,096	7,029	54,306	6,953
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	-----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0	0
O&M								
1-Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	0
OTHER								
Land Sales	0	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	5,259	0	0	0	0	5,259	0
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259	0
RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	526	1,108	1,108	1,108	1,108	4,958	1,108
BOS	0	1,405	5,431	5,431	5,431	5,431	23,130	5,431
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	5,497	10,993	10,993	10,993	10,993	49,471	10,993
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	490	490	490	490	1,960	490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	7,560	18,281	18,281	18,281	18,281	80,685	18,281
TOTAL SAVINGS	0	12,819	18,281	18,281	18,281	18,281	85,944	18,281

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95D8OF.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	855	0	0	0	0	855	
Civ Moving	0	7,422	0	0	0	0	7,422	
Other	856	5,366	42	42	42	42	6,388	
MIL PERSONNEL								
Mil Moving	0	13	0	0	0	0	13	
OTHER								
HAP / RSE	0	489	0	0	0	0	489	
Environmental	300	0	0	0	0	0	300	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	6,000	-5,259	0	0	0	0	741	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	7,156	14,145	42	42	42	42	21,467	
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	-33	-627	-1,275	-1,342	-1,409	-1,477	-6,164	-1,510
BOS	0	481	-3,545	-3,545	-3,545	-3,545	-13,698	-3,545
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-2,762	-5,524	-5,524	-5,524	-5,524	-24,858	-5,524
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	-490	-490	-490	-490	-1,960	-490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-33	-3,040	-11,093	-11,160	-11,227	-11,294	-47,847	-11,328
TOTAL NET COST	7,122	5,846	-11,051	-11,118	-11,185	-11,252	-31,638	-11,328

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 4/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
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 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

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	618	0	0	0	0	618
Civ Retire	0	236	0	0	0	0	236
CIV MOVING							
Per Diem	0	633	0	0	0	0	633
POV Miles	0	10	0	0	0	0	10
Home Purch	0	2,288	0	0	0	0	2,288
HHG	0	1,182	0	0	0	0	1,182
Misc	0	127	0	0	0	0	127
House Hunt	0	406	0	0	0	0	406
PPS	0	1,757	0	0	0	0	1,757
RITA	0	970	0	0	0	0	970
FREIGHT							
Packing	0	46	0	0	0	0	46
Freight	0	1	0	0	0	0	1
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	91	0	0	0	0	91
OTHER							
Program Plan	814	610	0	0	0	0	1,425
Shutdown	0	404	0	0	0	0	404
New Hires	0	0	0	0	0	0	0
1-Time Move	0	4,219	0	0	0	0	4,219
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	13	0	0	0	0	13
OTHER							
HAP / RSE	0	489	0	0	0	0	489
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	814	14,103	0	0	0	0	14,917

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 5/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT								
RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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	 814	 14,103	 0	 0	 0	 0	 14,917	 0
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
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	5,259	0	0	0	0	5,259	
TOTAL ONE-TIME	0	5,259	0	0	0	0	5,259	
RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	526	1,108	1,108	1,108	1,108	4,958	1,108
BOS	0	1,405	5,431	5,431	5,431	5,431	23,130	5,431
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	5,497	10,993	10,993	10,993	10,993	49,471	10,993
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	77	153	153	153	153	691	153
Enl Salary	0	50	99	99	99	99	448	99
House Allow	0	5	5	5	5	5	27	5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	490	490	490	490	1,960	490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	7,560	18,281	18,281	18,281	18,281	80,685	18,281
 TOTAL SAVINGS	 0	 12,819	 18,281	 18,281	 18,281	 18,281	 85,944	 18,281

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 6/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
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 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEW LONDON, CT

ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	855	0	0	0	0	855	
Civ Moving	0	7,422	0	0	0	0	7,422	
Other	814	5,324	0	0	0	0	6,138	
MIL PERSONNEL								
Mil Moving	0	13	0	0	0	0	13	
OTHER								
HAP / RSE	0	489	0	0	0	0	489	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	-5,259	0	0	0	0	-5,259	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	814	8,844	0	0	0	0	9,658	
RECURRING NET	1996	1997	1998	1999	2000	2001	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	-526	-1,108	-1,108	-1,108	-1,108	-4,958	-1,108
BOS	0	-1,405	-5,431	-5,431	-5,431	-5,431	-23,130	-5,431
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-5,497	-10,993	-10,993	-10,993	-10,993	-49,471	-10,993
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	-126	-253	-253	-253	-253	-1,139	-253
House Allow	0	-5	-5	-5	-5	-5	-27	-5
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	-490	-490	-490	-490	-1,960	-490
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	-7,560	-18,281	-18,281	-18,281	-18,281	-80,685	-18,281
TOTAL NET COST	814	1,284	-18,281	-18,281	-18,281	-18,281	-71,027	-18,281

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 7/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
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 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS	-----	-----	-----	-----	-----	-----	-----
-----(\$K)-----							
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	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	42	42	42	42	42	42	250
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	300	0	0	0	0	0	300
Info Manage	0	0	0	0	0	0	0
1-Time Other	4,000	0	0	0	0	0	4,000
TOTAL ONE-TIME	4,342	42	42	42	42	42	4,550



APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 9/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NUWC NEWPORT, RI								
ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
----(\$K)----	----	----	----	----	----	----	----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Other	42	42	42	42	42	42	250	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	300	0	0	0	0	0	300	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	4,000	0	0	0	0	0	4,000	
Land	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>4,342</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>4,550</b>	
<b>RECURRING NET</b>								
----(\$K)----	----	----	----	----	----	----	----	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
RPMA	-33	-100	-167	-234	-301	-369	-1,206	-402
BOS	0	1,541	1,541	1,541	1,541	1,541	7,704	1,541
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
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
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
<b>TOTAL RECUR</b>	<b>-33</b>	<b>1,440</b>	<b>1,373</b>	<b>1,306</b>	<b>1,239</b>	<b>1,172</b>	<b>6,498</b>	<b>1,138</b>
<b>TOTAL NET COST</b>	<b>4,308</b>	<b>1,482</b>	<b>1,415</b>	<b>1,348</b>	<b>1,281</b>	<b>1,214</b>	<b>11,048</b>	<b>1,138</b>

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
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Base: SUBASE NEW LONDON, CT

ONE-TIME COSTS	1996	1997	1998	1999	2000	2001	Total
-----(\$K)-----	----	----	----	----	----	----	-----
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	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	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 11/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

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	6	6	6	6	6	31	6
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	6	6	6	6	6	31	6

TOTAL COSTS                   0           6           6           6           6           6           31           6

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

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 12/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: SUBASE NEW LONDON, CT

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	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
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	6	6	6	6	6	31	6
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	6	6	6	6	6	31	6
TOTAL NET COST	0	6	6	6	6	6	31	6

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 13/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL ORLANDO, FL	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS	-----	-----	-----	-----	-----	-----	-----
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
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	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	2,000	0	0	0	0	0	2,000
TOTAL ONE-TIME	2,000	0	0	0	0	0	2,000



APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 15/15  
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Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base: NRL 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	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	2,000	0	0	0	0	0	2,000	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	2,000	0	0	0	0	0	2,000	
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	339	339	339	339	339	1,697	339
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	2,735	5,469	5,469	5,469	5,469	24,612	5,469
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	3,074	5,809	5,809	5,809	5,809	26,309	5,809
TOTAL NET COST	2,000	3,074	5,809	5,809	5,809	5,809	28,309	5,809

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Base	Personnel		SF		
	Change	%Change	Change	%Change	Chg/Per
NUWC NEW LONDON	-484	-100%	-323,000	-100%	667
NUWC NEWPORT	210	8%	-200,000	-9%	-952
SUBASE NEW LONDON	3	0%	0	0%	0
NRL ORLANDO	165	165%	0	0%	0

Base	RPMA(\$)			BOS(\$)		
	Change	%Change	Chg/Per	Change	%Change	Chg/Per
NUWC NEW LONDON	-1,108,000	-100%	2,289	-5,431,236	-100%	11,221
NUWC NEWPORT	-402,406	-8%	-1,916	1,540,749	4%	7,337
SUBASE NEW LONDON	0	0%	0	6,267	0%	2,089
NRL ORLANDO	0	0%	0	339,371	69%	2,057

Base	RPMABOS(\$)		
	Change	%Change	Chg/Per
NUWC NEW LONDON	-6,539,236	-110%	13,511
NUWC NEWPORT	1,138,343	3%	5,421
SUBASE NEW LONDON	6,267	0%	2,089
NRL ORLANDO	339,371	51%	2,057

RPMA/BOS CHANGE REPORT (COBRA v5.08)  
 Data As Of 17:36 11/30/1994, Report Created 13:22 06/08/1995

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

Net Change(\$K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	-33	-627	-1,275	-1,342	-1,409	-1,477	-6,164	-1,510
BOS Change	0	481	-3,545	-3,545	-3,545	-3,545	-13,698	-3,545
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>-33</b>	<b>-146</b>	<b>-4,820</b>	<b>-4,887</b>	<b>-4,954</b>	<b>-5,022</b>	<b>-19,863</b>	<b>-5,055</b>



Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NUWC NEW LONDON, CT to NRL ORLANDO, FL

	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	65	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	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: NUWC NEW LONDON, CT

Total Officer Employees:	2	RPMA Non-Payroll (\$K/Year):	1,108
Total Enlisted Employees:	10	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	11,345
Total Civilian Employees:	999	BOS Payroll (\$K/Year):	5,660
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	35
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	323	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	70024
Enlisted VHA (\$/Month):	192		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

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

Name: SUBASE NEW LONDON, CT

Total Officer Employees:	842	RPMA Non-Payroll (\$K/Year):	7,882
Total Enlisted Employees:	7,211	Communications (\$K/Year):	0
Total Student Employees:	205	BOS Non-Payroll (\$K/Year):	36,013
Total Civilian Employees:	1,050	BOS Payroll (\$K/Year):	38,939
Mil Families Living On Base:	52.0%	Family Housing (\$K/Year):	1,001
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.22
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	2,856	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	256	Activity Code:	00129
Enlisted VHA (\$/Month):	192		
Per Diem Rate (\$/Day):	89	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NRL 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

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	0	5,259	0	0	0	0
1-Time Moving Cost (\$K):	0	4,219	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqcd(\$K):	0	0	0	0	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	490	490	490	490
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):	323					Perc Family Housing ShutDown: 0.0%

Name: NUWC NEWPORT, RI

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	4,000	0	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 Reqcd(\$K):	300	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):	200					Perc Family Housing ShutDown: 0.0%

(See final page for Explanatory Notes)

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: SUBASE NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	0	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%

Name: NRL ORLANDO, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	2,000	0	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)

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NUWC NEW LONDON, CT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	-7	0	0	0	0	0
Civ Force Struc Change:	-520	0	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	-2	0	0	0	0
Enl Scenario Change:	0	-3	0	0	0	0
Civ Scenario Change:	0	-201	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

Department : NAVY  
 Option Package : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\N95DBOF.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NRL 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	100	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(\$):	7,925.00	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 : NUWC NLON SPLIT  
 Scenario File : F:\USERS\XFER\COBRA5\NAVY\DONE\NUWCOMB2.CBR  
 Std Fctrs File : F:\USERS\XFER\COBRA5\NAVY\W95DBOF.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)

SCREEN 5-NEW LONDON: \$5,259K - ESTIMATED COST AVOIDANCE FOR BRAC-91 ACTIONS.

SCREEN 5-NEW LONDON: \$4,219K - UNIQUE MOVING COSTS FOR MISSION AND SUPPORT EQUIPMENT.

SCREEN 5-NEW LONDON: \$490K - NET MISSION SAVINGS FOR REDUCED OFFICIAL TRAVEL EXPENSES.

SCREEN 5-NEWPORT: \$6,769 - UNIQUE ONE TIME COSTS FOR REFURBISHMENT

SCREEN 5-NEWPORT: \$300K IN ENVIRONMENTAL MITIGATION FOR EIS, PERMITS...