

**Thanks, Dave
Chairman Principi, Commissioners:**

Recommendation: [First Slide Please] This DoD recommendation is to realign depot-level maintenance work currently performed by Naval Weapons Station (NWS) Seal Beach, CA, as follows:

- **Electronic Components** (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to **Tobyhanna Army Depot, PA;**
- **Material Handling Equipment** to **Marine Corps Logistics Base Albany, GA;**
- **Other Components** to **Anniston Army Depot, AL;**
- **Tactical Missiles** to **Letterkenny Army Depot, PA.**

Justification: : [Next slide please] The justification for this recommendation is to work towards elimination of the depot maintenance function from Naval Weapons Station Seal Beach and follows the general strategy of minimizing the number of sites performing depot maintenance. This recommendation eliminates nearly six acres of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. This recommendation increases interservicing, but decreases depot maintenance costs across DoD by consolidation and elimination of duplicate structures in which depot maintenance is performed. This supports transformation of the Department's depot maintenance operations by increasing utilization of existing capacity while maintaining capability to support future force structure.

The only recommendation with which the staff takes issues is one that affects fewer than five people. It appeared on the recommendation due to miscategorization of some Intermediate level work which was coded as depot maintenance. Containers generally come to Seal Beach with a missile in them. The missile work is and will be done at Seal Beach. The recommendation would cause the empty containers to be shipped cross-country to Letterkenny where they would be repainted, bolts tightened, and dents removed. The containers would then be shipped back to Seal Beach. It costs about \$800- \$1000 to ship each container round trip to Pennsylvania. If the container is still at Letterkenny when the missile is ready, the missile may have to await the return of the correct type of container, as there are about a dozen different container shapes and sizes. We have no reason to think that there is any substantial difference between the cost of doing this

work at Letterkenny than Seal Beach, other than the additional cost of shipping.

DoD COBRA:

- \$4.1 M One-time costs
- Payback in 1 year
- \$17.7 M 20-year Net Present Value
- Relocates 0 Military and 39 Civilians
- Eliminates 0 Military and 21 Civilians.
- Total about 60

Staff agrees that given the low-tech level of the work involved and the possible ramifications of having an overhauled missile without an appropriate container, it does not make sense to ship the missile containers cross country to receive the attention of a depot maintenance provider. This work, which only amounts to 6,0000 WH or about four WY should be kept at NWS Seal Beach, where it can be performed by less-skilled personnel with an avoidance of the transportation costs. Overturning the recommendation costs about \$11,000 extra in civilian salary locality pay, avoids about \$400K per year in shipping costs, and avoids the cost of moving the two civilians to Letterkenny. Thus, this recommendation would have an NPV of about \$5M more than the original recommendation.

Motion # (150 #)

A Motion to Amend
(*Industrial Joint Cross Service Group*) Recommendation (150),
(*Naval Weapons Station Seal Beach, CA*),
appearing at Chapter (VI), Section (150) of the Bill.

Offered by: _____

Seconded by: _____

Approved Disapproved

I move that the Commission find that when the Secretary of Defense made (*Industrial Joint Cross Service Group*) Recommendation (150), (*Naval Weapons Station Seal Beach, CA*), he substantially deviated from final selection criteria (*1 and 4*) and the Force Structure Plan; that the Commission strike the language “(*and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA*)”; and that the Commission find this change and the recommendation as amended are consistent with the final selection criteria and Force Structure Plan.

(Note: Use this motion when you delete a part of the recommendation but do not insert any changes.)

Recommendation: [First Slide Please] Realign Naval Weapons Station Seal Beach, CA, as follows: relocate the depot maintenance of

- Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA;
- Material Handling to Marine Corps Logistics Base Albany, GA;
- Other Components to Anniston Army Depot, AL;
- Tactical Missiles to Letterkenny Army Depot, PA.

Justification: : [Next slide please] This recommendation supports depot maintenance function elimination at Naval Weapons Station Seal Beach and follows the strategy of minimizing sites using maximum capacity at 1.5 shifts. This recommendation eliminates over 243,000 square feet of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. Required capacity to support workloads and Core requirements for the Department of Defense (DoD) is relocated to other DoD Centers of Industrial and Technical Excellence, thereby increasing the military value of depot maintenance performed at these sites. This recommendation decreases the cost of depot maintenance operations across DoD by consolidation and elimination of 30 percent of duplicate overhead structures required to operate multiple depot maintenance activities. Additionally, this recommendation supports transformation of the Department's depot maintenance operations by increasing the utilization of existing capacity by up to 150 percent while maintaining capability to support future force structure. Another benefit of this recommendation includes utilization of DoD capacity to facilitate performance of interservice workload.

Community Concerns: : [Next slide please] The community was generally accepting of the proposed recommendation. They pointed out several possible discrepancies in the two of the four recommendations. In the first, they said that it makes no sense to ship empty missile containers cross-country to Letterkenny Army Depot in order that they can take out dents, tighten bolts, etc. Seal Beach realizes they may have mistakenly reported this work as depot maintenance, but they said that when shipping costs are included, it costs more to ship the containers, which come to Seal Beach with missiles to Letterkenny for industrial work, only to have the renovated containers shipped back to Seal Beach with a unit round-trip transportation cost of about \$1,000. The community also noted that they believe that there should be a continuing radar expertise either at Seal Beach or in San Diego so that there will be local support for radar and antenna work, rather than requiring Tobyhanna to send out technical representatives to investigate problems. They also noted that without such support, the Fleet might be sending back perfectly good equipment to Tobyhanna, only to have it returned as-is to the user.

Staff Assessment: : [Next slide please] The staff agrees that given the low-tech level of the work involved, it does not make sense to ship the missile containers cross country to receive the attention of a depot maintenance provider. This work, which only amounts to 6,0000 WH or about four WY should be kept at NWS Seal Beach, where it can be performed by less-skilled personnel with an avoidance of the transportation costs.

Overturing the recommendation costs about \$11,000 extra in civilian salary locality pay, avoids the shipping costs, and avoids the cost of moving the two civilians to Letterkenny.

The staff partially agrees with the community regarding the radar and antenna work which was proposed to be relocated to Tobyhanna Army depot, which has hundreds of people doing work on radars and fire control system. It is recommended that post BRAC, Tobyhanna give consideration to establishing a small group of fire control and radar expertise at Seal Beach or at an industrial activity in San Diego where they can efficiently use their expertise to reduce travel time and cost and per diem.

COBRA: [Next slide please] Staff did not perform a revised COBRA. However, it would appear that rejecting this subrecommendation would save about \$400 K per year.



Sec. 150: Naval Weapons Station Seal Beach, CA

DD Form 1300 (10/10)

A. Position Naval Weapons Station Seal Beach

Relocate the depot maintenance of

Electronic Components (Non-Aircraft) Fire Control Components, Radar and Radio to Technical Company

Material Handling to Marine Corps Logistics

Other Components to Ammunition Area

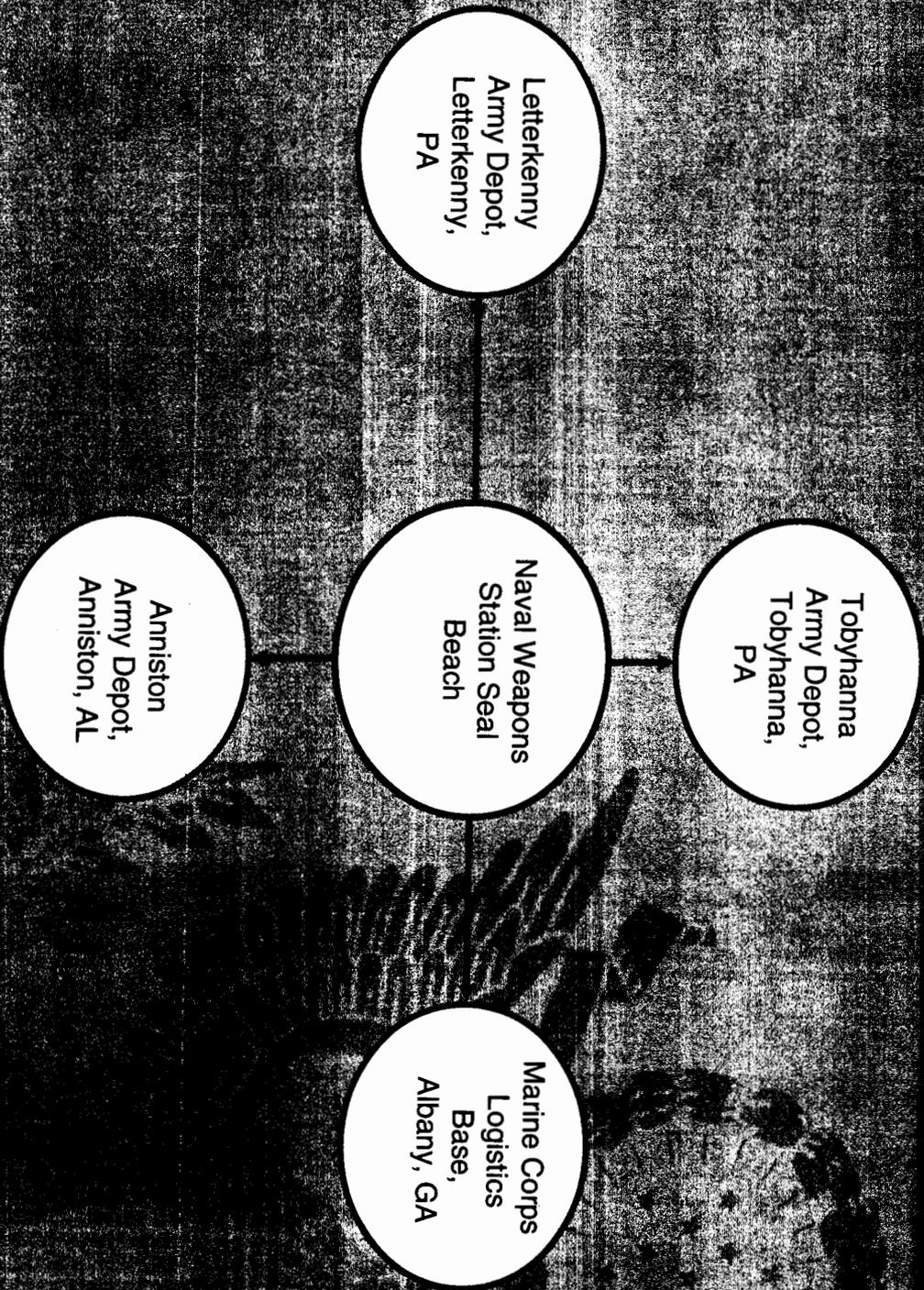
Tactical Missiles to Logistics Area

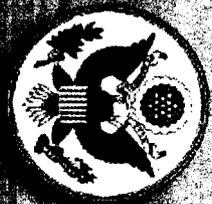




Sec. 150: Naval Weapons Station Seal Beach, CA

Associated Installation





Sec. 150: Naval Weapons Station Seal

Beach, CA

BEACH, CALIFORNIA

1. The purpose of this seal is to identify the Naval Weapons Station, Beach, California, and to indicate the number of employees of the station.

2. The seal shall be in the shape of a circle and shall contain the following information:

3. The seal shall contain the text "Naval Weapons Station, Beach, California" around the perimeter.

4. The seal shall contain the text "150" in the center, representing the number of employees of the station.

5. The seal shall be made of a material suitable for use as a seal.

6. The seal shall be used to identify the Naval Weapons Station, Beach, California, and to indicate the number of employees of the station.





Sec. 150: Naval Weapons Station Seal Beach, CA

Page 100

Handing the containers cross country means that there is potential to not have the correct type of container. Will Beach to ship out a missile that is awaiting transportation Fleet?

Welder and airplane expertise will be coming at JFoyh area and expertise on West Coast may be lacking

Container shipping costs were omitted from COWA recommendation would show little or no savings

Welder and airplane expertise may be available at West Coast and

Welder and airplane expertise may be available at West Coast and





Sec. 150: Naval Weapons Station Seal Beach, CA

Deviation from Final Selection Criteria

Criterion	Military Value				Other			
	C1	C2	C3	C4	C5	C6	C7	C8
Deviation	<u>X</u>			<u>X</u>				

X=Deviation





Sec. 150: Naval Weapons Station Seal Beach, CA

COBRA DATA

	DoD COBRA Run
One Time Cost	\$ 4.18M
Net Implementation Cost	(\$ 2.3M)
Annual Recurring (Savings)	(\$ 1.6 M)
Payback Period	1 year
Net Present Value at 2025	\$17.7 M

NAVAL WEAPONS STATION SEAL BEACH

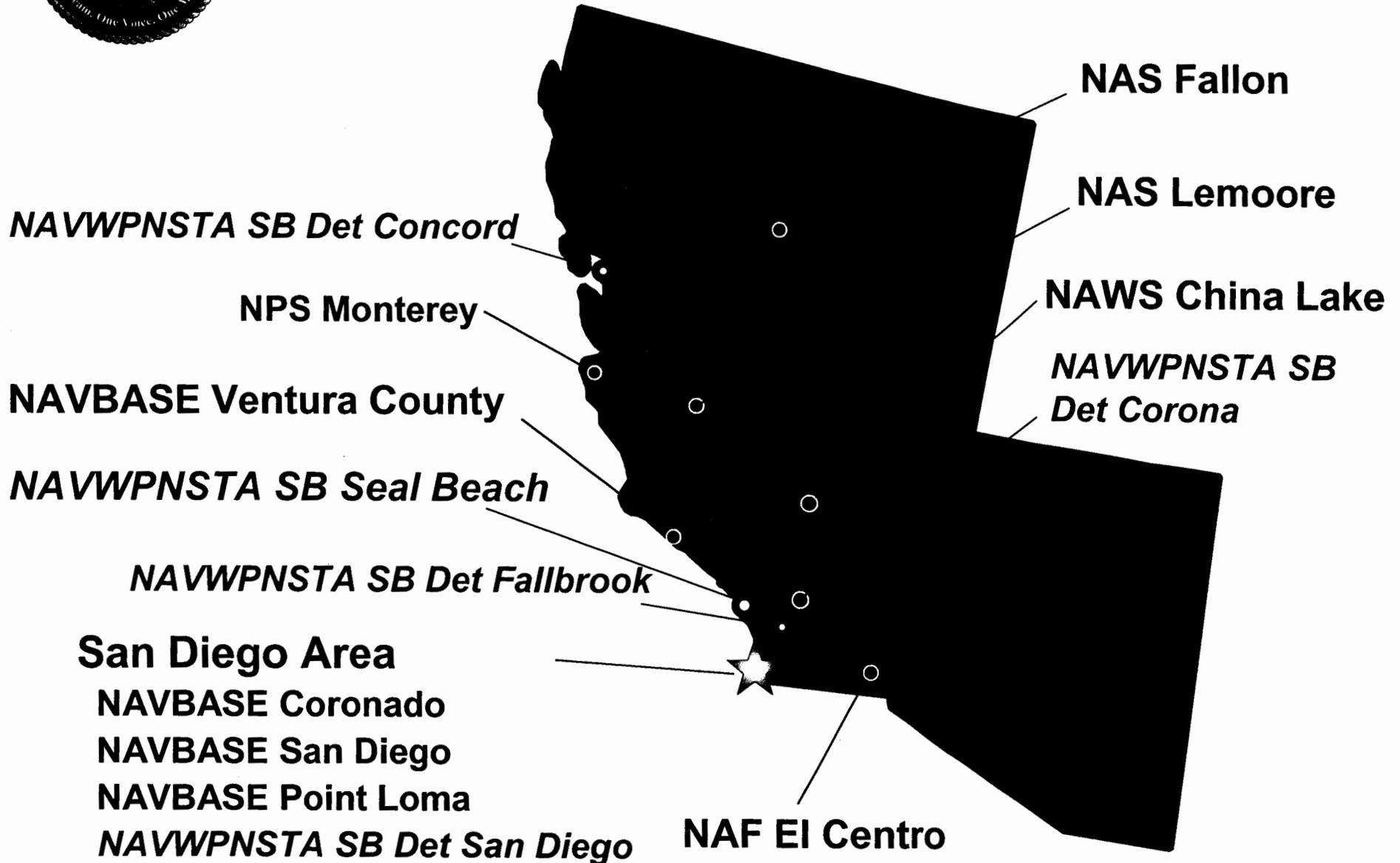


COMMAND BRIEF
BRAC Commission Visit
July 14, 2005

RON 4474



Navy Region Southwest (NRSW) REGIONAL ACTIVITIES

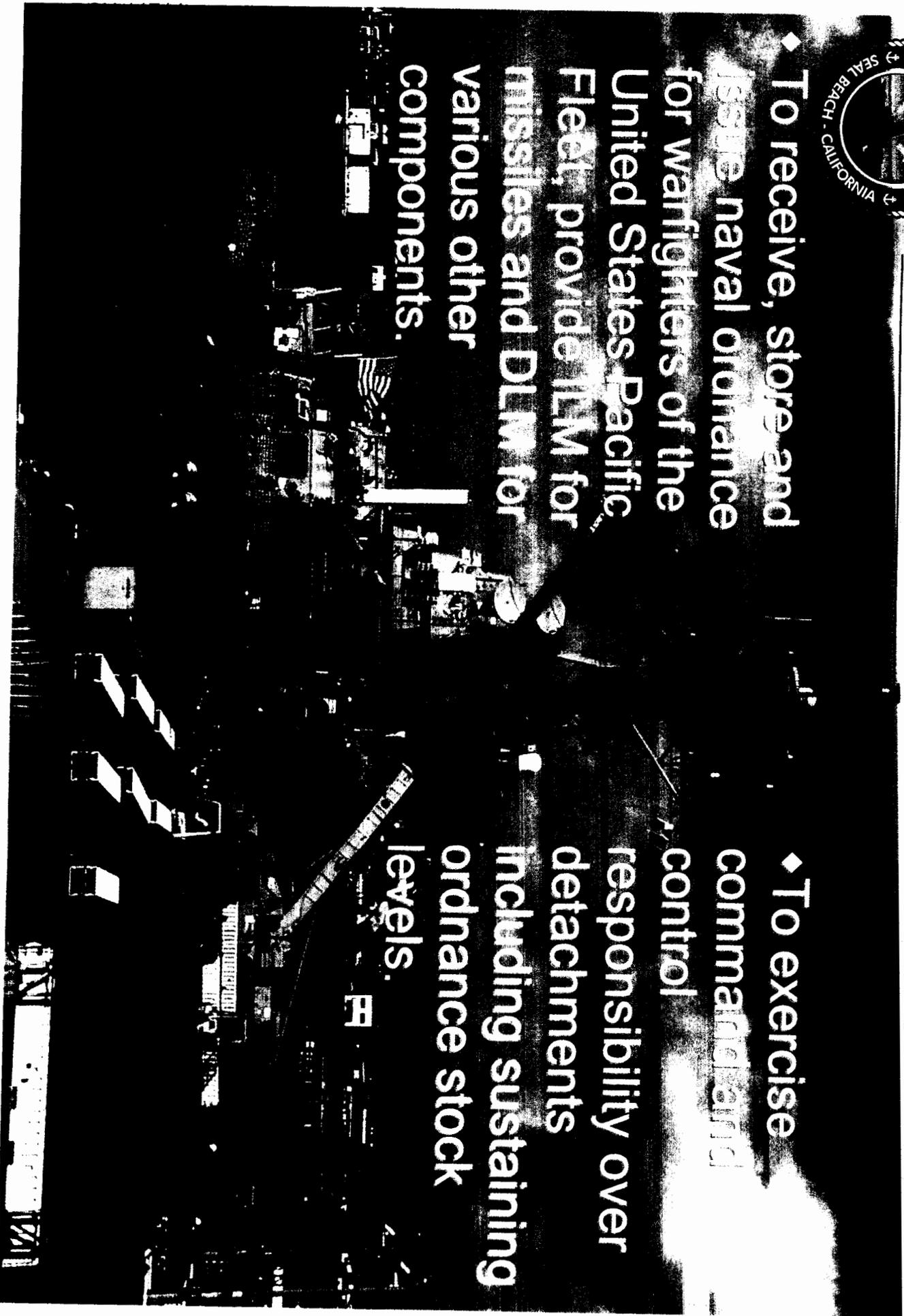




SEAL BEACH MISSION

◆ To receive, store and issue naval ordnance for warfighters of the United States Pacific Fleet, provide ILM for missiles and DLM for various other components.

◆ To exercise command and control responsibility over detachments including sustaining ordnance stock levels.





INFRASTRUCTURE PROFILE

NAVAL WEAPONS STATION SEAL BEACH

Land (Acres)	5,280	8 ⁺ sq mi
Magazines	126	
Ordnance Storage (Sq. Feet)	589,299	
Railroad Track (Miles)	56	
Roads (Miles)	80	
Wharf (Sq. Yards)	10,252	
Locomotives / Railcars	125	
Plant Value (\$)	\$732 Million	
Command Personnel (Civ/Mil)	443/117	civ 360 cont. 83
Tenant Personnel (Civ/Mil)	162-253/77 85	85 mil civ con 102 civ 60 con



BRAC RECOMMENDATIONS

NAVAL WEAPONS STATION SEAL BEACH

Not sole depot on anything but MK 84
Can't close any storage space

1 supervisor
to 24
did all

Realign Depot Level Maintenance as follows:

Electronic Components, Radar, and Radio to Tobyhanna
ships fire control systems power supplies amplifiers

INDD-4 Army Depot, PA
they market the Grant landing systems and components

Material Handling (MK 45 Hand trucks) to Marine
39 → 31 to Tobyhanna also 15 contractor

INDD-4 Corps Logistics Base Albany, GA
1 pultruder 3M4 for MK 46 torpedos

INDD-4 Other Components (pumps, valves, etc.) to Anniston
Army Depot, AL

INDD-4 Tactical Missiles (Container Repair) to Letterkenny
Army Depot, PA
shippings

Not depot level maint. // Various types
MK 41 vertical launch
Need revised CORRA
\$484 each
shippings
\$500 to repair

occupies 118K ft² including 58K ft² for storage
must store inside
IS letter sufficient
4 MY
also done at AOC Yorktown

BRAC RECOMMENDATION

Realign NSWC Indian Head Det Seal Beach:

- ◆ By relocating all Weapons and Armaments Research, Development and Acquisition, and Test and Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA

Test 15

See 2nd handout

24 4 separate 20 relocated

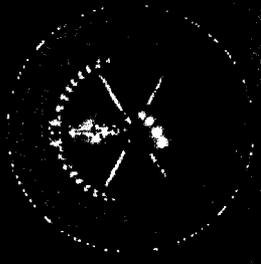
Test Measurement

This was combined w/ Seal Beach, not shown as an Indian Head Command

Maint., acceptance testing & repair who do maint & acceptance testing & repair/eng China Lake

47 Craig's Seal Beach

71 is not Concord



- ◆ On/Offload Large-Deck Amphibious Assault Ships Via VERTREP
- ◆ Store Navy / USMC Ordnance
- ◆ Operate Pacific Coast Air-Launched Missile Shop



USMC



INFRASTRUCTURE PROFILE

NAVAL WEAPONS STATION SEAL BEACH DETACHMENT FALLBROOK

Land (Acres)	8,851
Magazines	187
Ordnance Storage (Sq. Feet)	564,080
Roads (Miles)	121
Plant Value (\$)	\$447 Million
Command Personnel (Civ/Mil)	84/63
Tenant Personnel (Civ/Mil)	218/9

BRAC RECOMMENDATIONS

Realign NSWC Crane Det Fallbrook:

- TECH-19 ♦ By relocating gun and ammunition Research, Development and Acquisition to Picatinny Arsenal, NJ



- ◆ Navy – Retain Inland Area in caretaker status until final decision for disposition is made.

- ◆ Army – (Surface Deployment & Distribution Command) - Operate port as needed to support bulk ordnance transshipment to supplement Military Ocean Terminal Sunny Point, North Carolina ordnance transshipment workload.

→

Tidal Area



Inland
Campus

Inland Area #1

Inland Area #2

Inland Area #3

Bailey Rd.

nowhere to
move back into
never get
explosives
back

7-8 potentially hazardous areas; possibly some explosives -- not thought to be an issue
Some solvents & pesticides & arsenic



INFRASTRUCTURE PROFILE

NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD

Land (Acres)	12,880 (5.2k Inland / 7.7k Tidal)
Piers/Berths	3/6
Magazines (Inland/Tidal)	218/41
Ordnance Storage (Inland) (Sq. Feet)	773,018
Ordnance Storage (Tidal) (Sq. Feet)	56,250
Commercial railroads through property	3
Plant Value	\$1.1 Billion
Command Personnel (Civ/Mil)	59/0
Tenant Personnel (Civ/Mil)	39/8



BRAC RECOMMENDATION

NAVAL WEAPONS STATION SEAL BEACH DETACHMENT CONCORD

- ◆ Close the Inland area of Naval Weapons Station Seal Beach Detachment Concord except retain such property and facilities as are necessary to support operations in the Tidal area. The Tidal area of Naval Weapons Station Seal Beach Detachment Concord, along with the retained portion of the Inland area, shall be transferred to the Army.

DON 9

BASE VISIT REPORT**NAVAL WEAPONS STATION, SEAL BEACH**

July 14, 2005

LEAD COMMISSIONER: None**ACCOMPANYING COMMISSIONER:** None**COMMISSION STAFF:** David Epstein/Navy, Lester Farrington/Cross-Service**LIST OF ATTENDEES:****BRAC ROSTER**

14 July 2005

EMPLOYEE NAME (PRINT) PHONE #/EMAIL	SIGNATURE	DEPARTMENT
Cass Bensberg	Seal Beach CMD Staff & BRAC Coordinator	562-626-7392 William.Bensberg@navy.mil
Newman, Diane	CNRSW, HRO	562/626-7789 diane.newman@navy.mil
Tagami, Linda	ADMIN SVCS.	562/626-7519 linda.tagami@navy.mil
Isaacs, Ivor	NSWC IHD/SB	562/626-7919 ivor.isaacs@navy.mil
Epstein, David	BRAC/Navy	703/699-2947 david.epstein@wso.whs.mil
LCDR Michael Tasker	CRNSW BRAC Coordinator	619/571-3381 michael.tasker@navy.mil
Allen, Craig	NWSSB Ordnance Renovation Division	562/626-7178 craig.allen@navy.mil
Spohr, Scott	NRSW Ordnance	562/626-7189 scott.spohr@navy.mil
Smith, Gregg	NAVWPNSTA PAO	562/626-7215 gregg.smith@navy.mil
Stine, Gail	NSWGIHA Business Division	301/744-1548 gail.stine@navy.mil
Rodriguez, Tony	NSWC, IHD, Det. Seal Beach	562/626-7727 antonio.v.Rodriguez@navy.mil

Farrington, Lester	BRAC/CROSS SVC Issues	lester.farrington@wso.whs.mil
Eres, Smokey	AFGE 2161	562/598-9598

BASE'S PRESENT MISSION: Provide full spectrum of ordnance life-cycle technical services, ensuring integrity and performance of weapons systems in the areas of test & evaluation and test systems support.

SECRETARY OF DEFENSE RECOMMENDATION:

- Close the Inland area of Naval Weapons Station Seal Beach Detachment, Concord CA, except retain such property and facilities as are necessary to support operations in the Tidal area of Naval Weapons Station Seal Beach Detachment Concord. The Tidal area of Naval Weapons Station Seal Beach Detachment Concord, along with the retained portion of the Inland area, shall be transferred to the Army. (DoN-9)
- Realign Naval Weapons Station Seal Beach, CA, as follows: relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA; relocate the depot maintenance of Material Handling to Marine Corps Logistics Base Albany, GA; relocate the depot maintenance of Other Components to Anniston Army Depot, AL; and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA. (Ind-4)
- Realign Naval Weapons Station Seal Beach, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA. (Tech-15)
- Realign the Fallbrook, CA, detachment of Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ. (Tech-19)
- The fifth part of the recommendation deals with Corona, which is now a detachment of Seal Beach. This was not further discussed. (Don-7).

SECRETARY OF DEFENSE JUSTIFICATION:

- While Department of the Navy weapons stations have no excess capacity for loading and distribution of munitions, there is an excess of munitions storage capacity. Because of the departure of Fleet units from the San Francisco area in

the 1990s, Naval Weapons Station Seal Beach Detachment Concord's Inland magazine field has been in a reduced operating status since 1999. At that time, the Inland area was retained in an effort to minimize risk should a future need develop to expand storage capacity. The Explosive Safety Quantity Distance arcs in the Inland area were available to allow safe, temporary holding of railcars with munitions destined for loading by the Army-managed Marine Ocean Terminal Concord (at the Tidal area) during high tempo operations. After consultation with Combatant Commanders, the Army Material Command and the Army component of the U.S. Transportation Command, the Department of the Navy has concluded this capability is no longer necessary. The Inland area is excess to Department of the Navy/DoD needs and is severable. The closure of the Inland area, therefore, will save money and have no impact on mission capability.

The City of Concord requested closure of both the Inland and Tidal portions of Naval Weapons Station Seal Beach Detachment Concord. Munitions loading requirements preclude closing the Tidal area but the Inland area is excess and may be closed. Because Tidal area operations are in support of the Army component of the U.S. Transportation Command, transfer of the property to the Army aligns the property holder with the property user.

- This recommendation supports depot maintenance function elimination at Naval Weapons Station Seal Beach and follows the strategy of minimizing sites using maximum capacity at 1.5 shifts. This recommendation eliminates over 243,000 square feet of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. Required capacity to support workloads and Core requirements for the Department of Defense (DoD) is relocated to other DoD Centers of Industrial and Technical Excellence, thereby increasing the military value of depot maintenance performed at these sites. This recommendation decreases the cost of depot maintenance operations across DoD by consolidation and elimination of 30 percent of duplicate overhead structures required to operate multiple depot maintenance activities. Additionally, this recommendation supports transformation of the Department's depot maintenance operations by increasing the utilization of existing capacity by up to 150 percent while maintaining capability to support future force structure. Another benefit of this recommendation includes utilization of DoD capacity to facilitate performance of interservice workload.
- This recommendation realigns and consolidates those facilities working in Weapons & Armaments (W&A) Research, Development & Acquisition, and Test and Evaluation (RDAT&E) into a Naval Integrated RDAT&E center at the Naval Air Warfare Center, China Lake, CA. Additional synergistic realignments for W&A was achieved at two receiver sites for specific focus. The Naval Surface Warfare Center, Dahlgren, VA, is a receiver specialty site for Naval surface weapons systems integration and receives a west coast site for consolidation. This construct creates an integrated W&A RDAT&E center in China Lake, CA, energetics center at Indian Head, MD, and consolidates Navy surface weapons system integration at Dahlgren, VA. All actions relocate technical facilities with

high demand for guns and ammunition by all the services. Technical facilities with lower quantitative military value are relocated to Picatinny Arsenal.

This recommendation includes Research, Development & Acquisition activities in the Army and Navy. It promotes jointness, enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical, and acquisition expertise within the weapons and armament Research, Development & Acquisition community that currently resides at this DoD specialty location.

- The Naval Surface Warfare Center Division Corona performs three required missions for Department of the Navy (Independent Assessment Capability, Metrology and Calibration Laboratories, and Tactical Aircrew Combat Training System Ranges). It was analyzed under 11 Research, Development & Acquisition, and Test & Evaluation functions (Air Platforms Development & Acquisition; Air Platforms Test & Evaluation; Ground Vehicles Test and Evaluation; Information Systems Technology Development & Acquisition; Information Systems Technology Test & Evaluation; Sea Vehicles Development & Acquisition; Sea Vehicles Test & Evaluation; Sensors, Electronics, and Electronic Warfare Development & Acquisition; Sensors, Electronics, and Electronic Warfare Test & Evaluation; Weapons Technology Development & Acquisition; and Weapons Technology Test & Evaluation). In each functional area, Naval Surface Warfare Center Division Corona's quantitative military value scores fell in the bottom half of facilities performing the same function, and thus were reviewed for relocation and/or consolidation with like functions. The Department of the Navy determined it would lose a critical capability if the 11 functions were relocated to a variety of locations, since this would fracture the full spectrum warfare center and independent assessment capability. Considering the overall military value and the fact that Naval Support Activity Corona was a single function facility, the Department reviewed the possibility of relocating the Naval Surface Warfare Center functions to a multi-functional location with the capability to host these functions. Relocation of Naval Surface Warfare Center Division Corona to Naval Air Station Point Mugu collocates it with other Research, Development & Acquisition, and Test & Evaluation activities and with fleet assets at Naval Air Station Point Mugu. This consolidation of space will provide a more efficient organization with greater synergies and increased effectiveness.

Relocation of Naval Surface Warfare Center Division Corona Research, Development & Acquisition, and Test & Evaluation functions to Naval Air Station Point Mugu removes the primary mission from Naval Support Activity Corona and eliminates or moves the entirety of the workforce at Naval Support Activity Corona except for those personnel associated with the base operations support function. As a result, retention of Naval Support Activity Corona is no longer necessary.

MAIN FACILITIES REVIEWED: None, other than HQ building where meeting was held.

KEY ISSUES IDENTIFIED:

There were several recommendations involving Naval Weapons Station Seal Beach, and its detachments at Concord, CA and Corona, CA. These comments were prepared based on reference to two handouts: "NSWC Indian Head Division: Detachment Seal Beach: BRAC Commission Visit 14 July 2005" and NWS Seal Beach: Command Brief: BRAC Commission Visit July 14, 2005," and the presentations made during our visit.

DoN-9

The recommendation is to close the Inland area of Naval Weapons Station Seal Beach Detachment, Concord CA, except for retention of such property and facilities as are necessary to support operations in the Tidal area of Naval Weapons Station Seal Beach Detachment Concord. The Tidal area of Naval Weapons Station Seal Beach Detachment Concord, along with the retained portion of the Inland area, shall be transferred to the Army.

The proposed closure of the Concord detachment has little impact as that command has no mission today. Participants in our meeting included speaker phone participant Rich Pieper, the Detachment Director of Concord. He told us that the base's closure and the sale of its land are strongly supported by the community. He said that there is a ready market for the approximately 140 acres that were excess. Approximately 82 acres of this land is already outleased to the City Council. There would be some environmental costs that would be incurred in preparing the land for final disposition. The issue is whether it would make more sense to retain the land for surge capability. The DOD recommendation obviously says that it is not.

The remaining tidal land would be turned over to the Army, which will continue to use the reduced facility, including its bunkers, railhead, and dock facilities for loading ammunition to support deployments. The annual cost to DOD of operating the facility would not change much.

IND-4

There are four parts of this recommendation:

- relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA;
- relocate the depot maintenance of Material Handling to Marine Corps Logistics Base Albany, GA;
- relocate the depot maintenance of Other Components to Anniston Army Depot, AL;
- and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA. (Ind-4)

Only one of the four pieces – the last one - was contested by the community. They explained that this is a low-tech workload which involves removing dents, polishing the containers, adjusting fasteners, etc. This work (which is also performed at Yorktown) is performed on the containers which encapsulate the missiles which are sent to the Weapons Stations at Seal Beach and Yorktown for maintenance. There are about four work years per year associated with this work. They pointed out that it costs about \$960 to send a container round-trip to Letterkenny and that it costs about \$500 to refurbish each container at Seal Beach. Shipping containers to Letterkenny for refurbishment can not possibly save any money.

They provided a letter from Ms. Anne Davis of the DOD BRAC office confirming that this recommendation is in error.

TECH-15

The recommendation to realign Naval Weapons Station Seal Beach, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA has two key issues.

- This work can be performed at Corona (if Corona is not moved to Point Mugu). Corona personnel already perform much of the work characterized in the description of the specialized technical workforce which provides engineering and logistics services in support of nuclear reentry systems, test measurement and diagnostics equipment (TMDE) and Automated Test Equipment (ATE).
- Furthermore, they made the important observation that this recommendation is technically flawed in that this recommendation really applies to the Naval Surface Warfare Center Indian Head, Detachment Seal Beach, and not to Naval Weapons Station Seal Beach.

TECH-19

The recommendation to realign the Fallbrook, CA, detachment of Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ was discussed very briefly during our visit. Most of the discussion took place during our visit to NSWC Fallbrook and the write up of that visit should be reviewed in that document.

DON-7

The fifth part of the recommendation deals with Corona, which is now a detachment of Seal Beach. This was not further discussed. (Don-7).

INSTALLATION CONCERNS RAISED: There were no concerns other than those specified in the preceding section of this write-up.

COMMUNITY CONCERNS RAISED: There was no community meeting. See installation concerns identified during our meeting with the civilian management, described above.

REQUESTS FOR STAFF AS A RESULT OF VISIT: N/A. The staff requested that

BRAC ROSTER

14 July 2005

EMPLOYEE NAME (PRINT)	DEPARTMENT	PHONE #/EMAIL	SIGNATURE
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Epstein, David	BRAC/Navy	703/699-2947 david.epstein@wso.whs.mil	
LCDR Michael Tasker		619/571-3381 michael.tasker@navy.mil	
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Spohr, Scott	NRSW Ordnance	562/626-7189 scott.spohr@navy.mil	
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Eres, Smokey	AFGE 2161	562/598-9598	

BRAC ROSTER

14 July 2005

EMPLOYEE NAME (PRINT)	DEPARTMENT	PHONE #/EMAIL	SIGNATURE
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Burrows, Karen	IG Seal Beach	562/626-7194	
Fujioka, Susan	FACILITIES Seal Beach	562/626-7291 susan.fujioka@navy.mil	
Green, John	NSWC-IHD DET Seal Beach	562/626-7840 john.o.green@navy.mil	
Makieil, Steve	NSWC IHD DET Seal Beach	562/626-7578 steven.makieil@navy.mil	
Bosalet, Ralph	NRSW Ordnance	562/626-7840 ralph.bosalet@navy.mil	

- TOTAL CURRENT PEOPLE = 48
- TOTAL POTENTIALLY IMPACTED = 24
CURRENT = 19

BREAKDOWN

TMDE = 9
 ATE = 4
 GOCO = 1
 ADMIN = 5

 19

• POSITIONS NOT IMPACTED :

INDUSTRIAL = 13

[CAL LAB 9]
 [MK 612 4]

ENERGETICS = 13

[RE-ENTRY SYSTEMS]

OFF SITES = 3

[NEW MEXICO
 NORFOLK, VA
 QUANTICO]

29

29 (NOT IMPACTED)

19 (IMPACTED)

~~(~~29~~ ~~19~~ ~~48~~)~~

48 CURRENT

NWS Seal Beach – Container Repair

BRAC Recommendation

- Consolidate all depot maintenance workload and capacity for the commodity group Tactical Missiles at NAVWPNSTA Seal Beach to Letterkenny Army Depot
- Data reported under IND-0083F ACTION 17

Workload

- Missile & VLS Containers
- VLS Gas Management Components
- VLS PHS&T

Characterization

- Low Tech
 - Sandblasting, painting, welding, latch and seal replacement, modification/alteration
- Reported 6 K DLH – 2 Civilian, 1 Contractor
- Actual FY05 Funding \$389K (labor & material)

Facility Info

- 118 KSF Depot Level Space Reported
- 68 KSF Storage
 - 27 KSF covered outdoor storage
 - 41 KSF inert storehouse
- 50 KSF Production Shop

CHALLENGES:

1. CUSTOMER SUPPORT IMPACTED

- Directly supports Seal Beach ship loading and missile maintenance operations.
 - Dynamic response to emergent requirements
 - » Ability to shift priorities; Example – Gas Management for VLS containers. Able to replace seals for containers where the offload takes place. Supports Fleet Readiness.
 - Decreased Repair Turn Around Time realized as a result of not shipping material across country.

2. COST ISSUES

- 68 KSF of the 243 KSF Depot Maintenance Production Space referenced in the justification is actually storage space. Sustainment or recapitalization savings will not be realized on this space. Storage space still required for assets.
- FAC code incorrect for covered outdoor storage building, increased sustainment cost.
- An additional shipping cost of \$139K / yr resulting from shipping to the East Coast. This is excessive compared to the maintenance requirements.
- Pipeline cost – additional containers needed to account for assets now in the transit loop (4-5 days travel each way). MK-14 containers cost \$100K each.
- Alternative buildings at Seal Beach are being evaluated for improved economic viability; i.e. reduced sustainment costs.

3. DEPOT VS. INTERMEDIATE

- Mischaracterized workload as Depot vice Intermediate level maintenance.
- NWS Yorktown conducts similar low-tech Intermediate Maintenance workload for East Coast Customers.

4. REIMBURSABLE WORKLOAD

- Reimbursable funding is not guaranteed.
- Peaks and valleys in funding occur or reprioritization of workload.

Recommendations and Justifications

Naval Weapons Station Seal Beach, CA

Recommendation: Realign Naval Weapons Station Seal Beach, CA, as follows: relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA; relocate the depot maintenance of Material Handling to Marine Corps Logistics Base Albany, GA; relocate the depot maintenance of Other Components to Anniston Army Depot, AL; and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA.

Justification: This recommendation supports depot maintenance function elimination at Naval Weapons Station Seal Beach and follows the strategy of minimizing sites using maximum capacity at 1.5 shifts. This recommendation eliminates over 243,000 square feet of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. Required capacity to support workloads and Core requirements for the Department of Defense (DoD) is relocated to other DoD Centers of Industrial and Technical Excellence, thereby increasing the military value of depot maintenance performed at these sites. This recommendation decreases the cost of depot maintenance operations across DoD by consolidation and elimination of 30 percent of duplicate overhead structures required to operate multiple depot maintenance activities. Additionally, this recommendation supports transformation of the Department's depot maintenance operations by increasing the utilization of existing capacity by up to 150 percent while maintaining capability to support future force structure. Another benefit of this recommendation includes utilization of DoD capacity to facilitate performance of interservice workload.

Payback: The total estimated one time cost to the Department of Defense to implement this recommendation is \$4.1M. The net of all costs and savings to the Department during implementation period is a savings \$2.3M. Annual recurring savings to the Department after implementation are \$1.6M with payback expected in 1 year. The net present value of the costs and savings to the Department over 20 years is a savings of \$17.7M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 85 jobs (47 direct jobs and 38 indirect jobs) over the 2006-2011 period in the Santa Ana-Anaheim-Irvine, CA Metropolitan Division, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at MCLB Albany, and Tobyhanna AD; and an expected impact at Letterkenny AD. This recommendation has a possible impact on historic properties at MCLB Albany. This recommendation has the potential to impact threatened and endangered species or critical habitat at MCLB Albany and Anniston AD. Anniston AD may require additional mitigation and pollution prevention measures with increased depot maintenance activities. Anniston may also require upgrades to its industrial wastewater treatment plant due to increased depot maintenance activities. This recommendation has no impact on dredging; land use constraints or sensitive resource areas; or marine mammals, marine resources, or marine sanctuaries; noise; waste management; or wetlands. This recommendation will require spending approximately \$0.1M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, or environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Riverbank Army Ammunition Plant, CA

Recommendation: Close Riverbank Army Ammunition Plant, CA. Relocate the artillery cartridge case metal parts functions to Rock Island Arsenal, IL.

Justification: There are 4 sites within the Industrial Base producing Metal Parts. To remove excess from the Industrial Base, the closure allows DoD to generate efficiencies and nurture partnership with multiple sources in the private sector.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$25.2M. The net of all costs and savings to the Department during the implementation period is a cost of \$10.4M. Annual recurring savings to the Department after implementation are \$6.5M with a payback expected within 3 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$53.3M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 106 jobs (89 direct jobs and 17 indirect jobs) over the 2006 – 2011 period in the Modesto, CA Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at Rock Island Arsenal. A new Source Review will be needed for new construction and the added operations will require an Air Conformity analysis to determine the impact. Continued

**Create a Naval Integrated Weapons & Armaments
Research, Development & Acquisition, Test & Evaluation Center**

Recommendation: Realign Naval Surface Warfare Center Crane, IN, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except gun/ammo, combat system security, and energetic materials to Naval Air Weapons Station China Lake, CA.

Realign Naval Surface Warfare Center Indian Head, MD, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except gun/ammo, underwater weapons, and energetic materials, to Naval Air Weapons Station China Lake, CA.

Realign Naval Air Station Patuxent River, MD, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except the Program Executive Office and Program Management Offices in Naval Air Systems Command, to Naval Air Weapons Station China Lake, CA.

Realign Naval Base Ventura County, Point Mugu, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation to Naval Air Weapons Station China Lake, CA.

NSWC IN HD DET SB
~~Realign Naval Weapons Station Seal Beach, CA~~ by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA.

Realign Naval Surface Warfare Center, Yorktown, VA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation to Naval Surface Warfare Center Indian Head, MD.

Realign Naval Base Ventura County, Port Hueneme, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except weapon system integration, to Naval Air Weapons Station China Lake, CA.

Realign Fleet Combat Training Center, CA (Port Hueneme Detachment, San Diego, CA), by relocating all Weapons and Armaments weapon system integration Research, Development & Acquisition, and Test & Evaluation to Naval Surface Warfare Center Dahlgren, VA.

Realign Naval Surface Warfare Center Dahlgren, VA, by relocating all Weapons & Armaments Research, Development & Acquisition, and Test & Evaluation, except guns/ammo and weapon systems integration to Naval Air Weapons Station China Lake, CA.

Justification: This recommendation realigns and consolidates those facilities working in Weapons & Armaments (W&A) Research, Development & Acquisition, and Test and Evaluation (RDAT&E) into a Naval Integrated RDAT&E center at the Naval Air Warfare Center, China Lake, CA. Additional synergistic realignments for W&A was achieved at two receiver sites for specific focus. The Naval Surface Warfare Center, Dahlgren, VA, is a receiver specialty site for

Naval surface weapons systems integration and receives a west coast site for consolidation. This construct creates an integrated W&A RDAT&E center in China Lake, CA, energetics center at Indian Head, MD, and consolidates Navy surface weapons system integration at Dahlgren, VA. All actions relocate technical facilities with lower overall quantitative Military Value (across Research, Development & Acquisition and Test & Evaluation) into the Integrated RDAT&E center and other receiver sites with greater quantitative Military Value.

Consolidating the Navy's air-to-air, air-to-ground, and surface launched missile RD&A, and T&E activities at China Lake, CA, would create an efficient integrated RDAT&E center. China Lake is able to accommodate with minor modification/addition both mission and life-cycle/sustainment functions to create synergies between these traditionally independent communities.

During the other large scale movements of W&A capabilities noted above, Weapon System Integration was specifically addressed to preserve the synergies between large highly integrated control system developments (Weapon Systems Integration) and the weapon system developments themselves. A specialty site for Naval Surface Warfare was identified at Dahlgren, VA, that was unique to the services and a centroid for Navy surface ship developments. A satellite unit from the Naval Surface Warfare Center, Port Hueneme, San Diego Detachment will be relocated to Dahlgren.

The Integrated RDAT&E Center at China Lake provides a diverse set of open-air range and test environments (desert, mountain, forest) for W&A RDAT&E functions. Synergy will be realized in air-to-air, air-to-ground, and surface launched mission areas.

This recommendation enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical and acquisition expertise with weapons and armament Research, Development & Acquisition that currently resides at 10 locations into the one Integrated RDAT&E site, one specialty site, and an energetics site.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$358.1M. The net of all costs and savings to the Department during the implementation period is a cost of \$148.7M. Annual recurring savings to the Department after implementation are \$59.7M with a payback expected in 7 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$433.4M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 375 jobs (258 direct jobs and 117 indirect jobs) over the 2006-2011 period in the Martin County, IN, economic area, which is 4.4 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 543 jobs (258 direct jobs and 285 indirect jobs) over the 2006-2011 period in the Lexington Park, MD, Micropolitan Statistical Area, which is 1.0 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 5,012 jobs (2,250 direct jobs and 2,762 indirect jobs) over the 2006-2011 period in the Oxnard-Thousand Oaks-Ventura, CA, Metropolitan Statistical Area, which is 1.2 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 97 jobs (47 direct jobs and 50 indirect jobs) over the 2006-2011 period in the San Diego-Carlsbad-San Marcos, CA, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 76 jobs (45 direct jobs and 31 indirect jobs) over the 2006-2011 period in the Santa Ana-Anaheim-Irvine, CA, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 142 jobs (61 direct jobs and 81 indirect jobs) over the 2006-2011 period in the Virginia Beach-Norfolk-Newport News, VA-NC, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 91 jobs (52 direct jobs and 39 indirect jobs) over the 2006-2011 period in the Washington-Arlington-Alexandria, DC-VA-MD-WV, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 333 jobs (155 direct jobs and 178 indirect jobs) over the 2006-2011 period in the King George County, VA, economic area, which is 2.4 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at Indian Head and China Lake. Archeological and historical sites exist on NSWC Dahlgren, which may impact current construction and operations. This recommendation has the potential to impact land use constraints or sensitive resource areas at Indian Head and China Lake. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require spending approximately \$0.2M for waste management activities and \$1.1M for environmental compliance activities. These costs were included in the payback calculation. This recommendation does not otherwise impact the costs

space, and by virtue of the fact that Eglin AFB can absorb the DTRA NCR (and Hill AFB) functions without the need for MILCON.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$2.7M. The net of all costs and savings to the Department during the implementation period is a savings of \$4.9M. Annual recurring savings to the Department after implementation are \$1.4M with payback expected in 2 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$17.9M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 64 jobs (33 direct jobs and 31 indirect jobs) over the 2006-2011 period in the Ogden-Clearfield, UT, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 114 jobs (67 direct and 47 indirect jobs) over the 2006-2011 period in the Washington-Arlington-Alexandria, DC-VA-MD-WV, Metropolitan Division, which is less than 0.1 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Additional operations may impact archeological sites at Eglin AFB and restrict operations. Additional operations may compound the need for explosive safety waivers at Eglin AFB. Additional operations may further impact threatened and endangered species and/or critical habitats at Eglin AFB. Modification of Eglin AFB's treatment works may be necessary. This recommendation may impact wetlands at Eglin AFB. This recommendation has no impact on air quality; dredging; marine mammals, resources, or sanctuaries; noise; or water resources. This recommendation will require spending approximately less than \$0.05M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Create an Integrated Weapons & Armaments Specialty Site for Guns and Ammunition

Recommendation: Realign the Adelphi Laboratory Center, MD, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

lower overall quantitative Military Value (across Research, Development & Acquisition and Test & Evaluation) into the Integrated RDAT&E center and other receiver sites with greater quantitative Military Value.

Consolidating the Navy's air-to-air, air-to-ground, and surface launched missile RD&A, and T&E activities at China Lake, CA, would create an efficient integrated RDAT&E center. China Lake is able to accommodate with minor modification/addition both mission and lifecycle/ sustainment functions to create synergies between these traditionally independent communities.

During the other large scale movements of W&A capabilities noted above, Weapon System Integration was specifically addressed to preserve the synergies between large highly integrated control system developments (Weapon Systems Integration) and the weapon system developments themselves. A specialty site for Naval Surface Warfare was identified at Dahlgren, VA, that was unique to the services and a centroid for Navy surface ship developments. A satellite unit from the Naval Surface Warfare Center, Port Hueneme, San Diego Detachment will be relocated to Dahlgren.

The Integrated RDAT&E Center at China Lake provides a diverse set of open-air range and test environments (desert, mountain, forest) for W&A RDAT&E functions. Synergy will be realized in air-to-air, air-to-ground, and surface launched mission areas.

This recommendation enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical and acquisition expertise with weapons and armament Research, Development & Acquisition that currently resides at 10 locations into the one Integrated RDAT&E site, one specialty site, and an energetics site.

- This recommendation realigns and consolidates those gun and ammunition facilities working in Weapons and Armaments (W&A) Research (R), Development & Acquisition (D&A). This realignment would result in a more robust joint center for gun and ammunition Research, Development & Acquisition at Picatinny Arsenal, NJ. This location is already the greatest concentration of military value in gun and ammunition W&A RD&A.

Picatinny Arsenal is the center-of-mass for DoD's Research, Development & Acquisition of guns and ammunition, with a workload more than an order of magnitude greater than any other DoD facility in this area. It also is home to the DoD's Single Manager for Conventional Ammunition. Movement of all the Services' guns and ammunition work to Picatinny Arsenal will create a joint center of excellence and provide synergy in armament development for the near future and beyond, featuring a Joint Packaging, Handling, Shipping and Transportation (PHS&T) Center, particularly important in this current time of

Realign Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

~~Realign the Fallbrook, CA, detachment of Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.~~

Realign Naval Surface Warfare Center Division Dahlgren, VA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign the Louisville, KY, detachment of Naval Surface Warfare Center Division Port Hueneme, CA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Air Warfare Center Weapons Division China Lake, CA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Indian Head, MD, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Earle, NJ, by relocating weapon and armament packaging Research and Development & Acquisition to Picatinny Arsenal, NJ.

Justification: This recommendation realigns and consolidates those gun and ammunition facilities working in Weapons and Armaments (W&A) Research (R), Development & Acquisition (D&A). This realignment would result in a more robust joint center for gun and ammunition Research, Development & Acquisition at Picatinny Arsenal, NJ. This location is already the greatest concentration of military value in gun and ammunition W&A RD&A.

Picatinny Arsenal is the center-of-mass for DoD's Research, Development & Acquisition of guns and ammunition, with a workload more than an order of magnitude greater than any other DoD facility in this area. It also is home to the DoD's Single Manager for Conventional Ammunition. Movement of all the Services' guns and ammunition work to Picatinny Arsenal will create a joint center of excellence and provide synergy in armament development for the near future and beyond, featuring a Joint Packaging, Handling, Shipping and Transportation (PHS&T) Center, particularly important in this current time of high demand for guns and ammunition by all the services. Technical facilities with lower quantitative military value are relocated to Picatinny Arsenal.

This recommendation includes Research, Development & Acquisition activities in the Army and Navy. It promotes jointness, enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical, and acquisition expertise within the weapons and armament Research, Development & Acquisition community that currently resides at this DoD specialty location.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$116.3M. The net of all costs and savings to the Department during the implementation period is cost of \$81.2M. Annual recurring savings to the Department after implementation are \$11.3M with a payback expected in 13 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$32.6M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 11 jobs (5 direct jobs and 6 indirect jobs) over the 2006-2011 period in Bakersfield, CA, Metropolitan Statistical Area which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 83 jobs (43 direct jobs and 40 indirect jobs) over the 2006-2011 period in the Bethesda-Frederick-Gaithersburg, MD, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 421 jobs (289 direct jobs and 132 indirect jobs) over the 2006-2011 period in Martin County, IN, economic area, which is 4.9 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 126 jobs (67 direct jobs and 59 indirect jobs) over the 2006-2011 periods in the Edison, NJ, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 506 jobs (296 direct jobs and 210 indirect jobs) over the 2006-2011 periods in the Louisville, KY-IN, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 302 jobs (146 direct jobs and 156 indirect jobs) over the 2006-2011 periods in the San Diego-Carlsbad-San Marcos, CA, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 76 jobs (43 direct jobs and 33 indirect jobs) over the 2006-2011 periods in the Washington-Arlington-Alexandria, DC-VA-MD-WV, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 202 jobs (93 direct jobs and 109 indirect jobs) over the 2006-2011 periods in the King George County, VA, economic area, which is 1.4 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation is expected to impact air quality at Picatinny, which is in severe non-attainment for Ozone. This recommendation may have a minimal effect on cultural resources at Picatinny. Additional operations may further impact threatened/endangered species at Picatinny, leading to additional restrictions on training or operations. This recommendation has no impact on dredging, land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; waste management; or wetlands. This recommendation will require spending approximately \$0.3M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Defense Research Service Led Laboratories

Recommendation: Close the Air Force Research Laboratory, Mesa City, AZ. Relocate all functions to Wright Patterson Air Force Base, OH.

Realign Air Force Research Laboratory, Hanscom, MA, by relocating the Sensors Directorate to Wright Patterson Air Force Base, OH, and the Space Vehicles Directorate to Kirtland Air Force Base, NM.

Realign Rome Laboratory, NY, by relocating the Sensor Directorate to Wright Patterson Air Force Base, OH, and consolidating it with the Air Force Research Laboratory, Sensor Directorate at Wright Patterson Air Force Base, OH.

Realign Air Force Research Laboratory, Wright Patterson Air Force Base, OH, by relocating the Information Systems Directorate to Hanscom Air Force Base, MA.

Realign Army Research Laboratory Langley, VA, and Army Research Laboratory Glenn, OH, by relocating the Vehicle Technology Directorates to Aberdeen Proving Ground, MD.

Realign the Army Research Laboratory White Sands Missile Range, NM, by relocating all Army Research Laboratory activities except the minimum detachment required to maintain the Test and Evaluation functions at White Sands Missile Range, NM, to Aberdeen Proving Ground, MD.

Justification: This recommendation realigns and consolidates portions of the Air Force and Army Research Laboratories to provide greater synergy across technical disciplines and functions. It does this by consolidating geographically separate units of the Air Force and Army Research Laboratories.

aggregate environmental impact of all recommended BRAC actions affecting the installations in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Recommendation for Closure

~~Naval Weapons Station Seal Beach Detachment, Concord, CA~~

Recommendation: Close the Inland area of Naval Weapons Station Seal Beach Detachment, Concord CA, except retain such property and facilities as are necessary to support operations in the Tidal area of Naval Weapons Station Seal Beach Detachment Concord. The Tidal area of Naval Weapons Station Seal Beach Detachment Concord, along with the retained portion of the Inland area, shall be transferred to the Army.

Justification: While Department of the Navy weapons stations have no excess capacity for loading and distribution of munitions, there is an excess of munitions storage capacity. Because of the departure of Fleet units from the San Francisco area in the 1990s, Naval Weapons Station Seal Beach Detachment Concord's Inland magazine field has been in a reduced operating status since 1999. At that time, the Inland area was retained in an effort to minimize risk should a future need develop to expand storage capacity. The Explosive Safety Quantity Distance arcs in the Inland area were available to allow safe, temporary holding of railcars with munitions destined for loading by the Army-managed Marine Ocean Terminal Concord (at the Tidal area) during high tempo operations. After consultation with Combatant Commanders, the Army Material Command and the Army component of the U.S. Transportation Command, the Department of the Navy has concluded this capability is no longer necessary. The Inland area is excess to Department of the Navy/DoD needs and is severable. The closure of the Inland area, therefore, will save money and have no impact on mission capability.

The City of Concord requested closure of both the Inland and Tidal portions of Naval Weapons Station Seal Beach Detachment Concord. Munitions loading requirements preclude closing the Tidal area but the Inland area is excess and may be closed. Because Tidal area operations are in support of the Army component of the U.S. Transportation Command, transfer of the property to the Army aligns the property holder with the property user.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$14.0M. The net of all costs and savings to the Department during the implementation period is a savings of \$43.2M. Annual recurring savings to the Department after implementation are \$16.4M with a payback expected in one year. The net present value of the costs and savings to the Department over 20 years is a savings of \$199.7M. 7 police

Economic Impact on Communities: This recommendation will not result in any job reductions (direct or indirect) over the 2006-2011 period in the Oakland-Fremont-Hayward, CA, Metropolitan Division economic area. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Naval Weapons Station Seal Beach Detachment Concord, CA, is in Extreme Non-attainment for Ozone (1-Hour) but no Air Conformity Determination will be required. There are potential impacts for cultural, archeological, or tribal resources; threatened and endangered species or critical habitat; and wetlands that may impact new construction. No impacts are anticipated for dredging, land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; waste management or water resources. This recommendation indicates impacts of costs at the installation involved, which indicated \$0.3M in costs for waste management and environmental compliance. These costs were included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, or environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the installations in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Recommendation for Closure Submarine Base New London, CT

Recommendation: Close Naval Submarine Base New London, CT. Relocate its assigned submarines, Auxiliary Repair Dock 4 (ARDM-4), and Nuclear Research Submarine 1 (NR-1) along with their dedicated personnel, equipment and support to Submarine Base Kings Bay, GA, and Naval Station Norfolk, VA. Relocate the intermediate submarine repair function to Shore Intermediate Repair Activity Norfolk, at Naval Shipyard Norfolk, VA, and Trident Refit Facility Kings Bay, GA. Relocate the Naval Submarine School and Center for Submarine Learning to Submarine Base Kings Bay, GA. Consolidate the Naval Security Group Activity Groton, CT with Naval Security Group Activity Norfolk, VA at Naval Station Norfolk, VA. Consolidate Naval Submarine Medical Research Laboratory Groton, CT, with Naval Medical Research Center at Walter Reed Army Medical Center Forest Glenn Annex, MD. Relocate Naval Undersea Medical Institute Groton, CT to Naval Air Station Pensacola, FL, and Fort Sam Houston, TX. Consolidate Navy Region Northeast, New London, CT, with Navy Region, Mid-Atlantic, Norfolk, VA.

Justification: The existing berthing capacity at surface/subsurface installations exceeds the capacity required to support the Force Structure Plan. The closure of Submarine Base New London materially contributes to the maximum reduction of excess capacity while increasing the average military value of the remaining bases in this functional area. Sufficient capacity and fleet dispersal is maintained with the East Coast submarine fleet homeports of Naval Station Norfolk and Submarine Base Kings Bay, without affecting operational capability. The intermediate submarine repair function is relocated to Shore Intermediate Maintenance Activity Norfolk at Norfolk Naval Shipyard, and the Trident Refit Facility Kings Bay, GA, in support of the relocating submarines. Consolidating the Naval Submarine Medical Research Laboratory

Area, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Marine Corps Logistics Base Albany, GA, is in Attainment although Title V permit modifications will be required. There are potential impacts to cultural, archeological, or tribal resources; threatened and endangered species or critical habitat; waste management; and wetlands. Anniston Army Depot, AL, is in Attainment. There are impacts anticipated for threatened and endangered species or critical habitat. Letterkenny Army Depot, PA is in Marginal Non-attainment for Ozone (1-Hour and 8-Hour) and an Air Conformity determination is required. Tobyhanna Army Depot, PA, is in Moderate Non-attainment for Ozone (1-Hour) and an Air Conformity determination is required. No impacts are anticipated for the remaining resource areas of dredging, land use constraints or sensitive resource areas; marine mammals, resources or sanctuaries; noise; or water resources. This recommendation indicates impacts of costs at the installations, which report \$0.9M in costs for waste management and environmental compliance. These costs were included in payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management or environmental compliance activities. The aggregate environmental impacts of all the recommended BRAC actions affecting the installations in this recommendation have been reviewed. There are no known environmental impediments to implementation of this recommendation.

Recommendation for Closure

~~Naval Support Activity Corona, CA~~

Recommendation: Close Naval Support Activity Corona, CA. Relocate Naval Surface Warfare Center Division Corona, CA to Naval Base Ventura County (Naval Air Station Point Mugu), CA.

Justification: The Naval Surface Warfare Center Division Corona performs three required missions for Department of the Navy (Independent Assessment Capability, Metrology and Calibration Laboratories, and Tactical Aircrew Combat Training System Ranges). It was analyzed under 11 Research, Development & Acquisition, and Test & Evaluation functions (Air Platforms Development & Acquisition; Air Platforms Test & Evaluation; Ground Vehicles Test and Evaluation; Information Systems Technology Development & Acquisition; Information Systems Technology Test & Evaluation; Sea Vehicles Development & Acquisition; Sea Vehicles Test & Evaluation; Sensors, Electronics, and Electronic Warfare Development & Acquisition; Sensors, Electronics, and Electronic Warfare Test & Evaluation; Weapons Technology Development & Acquisition; and Weapons Technology Test & Evaluation). In each functional area, Naval Surface Warfare Center Division Corona's quantitative military value scores fell in

the bottom half of facilities performing the same function, and thus were reviewed for relocation and/or consolidation with like functions. The Department of the Navy determined it would lose a critical capability if the 11 functions were relocated to a variety of locations, since this would fracture the full spectrum warfare center and independent assessment capability. Considering the overall military value and the fact that Naval Support Activity Corona was a single function facility, the Department reviewed the possibility of relocating the Naval Surface Warfare Center functions to a multi-functional location with the capability to host these functions. Relocation of Naval Surface Warfare Center Division Corona to Naval Air Station Point Mugu collocates it with other Research, Development & Acquisition, and Test & Evaluation activities and with fleet assets at Naval Air Station Point Mugu. This consolidation of space will provide a more efficient organization with greater synergies and increased effectiveness.

Relocation of Naval Surface Warfare Center Division Corona Research, Development & Acquisition, and Test & Evaluation functions to Naval Air Station Point Mugu removes the primary mission from Naval Support Activity Corona and eliminates or moves the entirety of the workforce at Naval Support Activity Corona except for those personnel associated with the base operations support function. As a result, retention of Naval Support Activity Corona is no longer necessary.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$80.2M. The net of all costs and savings to the Department during the implementation period is a cost of \$65.5M. Annual recurring savings to the Department after implementation are \$6.0M with a payback expected in 15 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$0.4M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 1,796 jobs (892 direct jobs and 904 indirect jobs) over the 2006-2011 period in the Riverside-San Bernardino-Ontario, CA, Metropolitan Statistical Area, which is 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Naval Air Station Point Mugu, CA, is in Severe Non-attainment for Ozone (1-Hour) but no Air Conformity Determination will be required. There are potential impacts for cultural, archeological, or tribal resources; threatened and endangered species; waste management and wetlands. No impacts are anticipated for dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise or water resources. This recommendation indicates impacts of costs at the installations involved, which reported \$410 thousand in costs for waste management and environmental compliance. These costs were included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management or environmental compliance activities. The

State Installation	Action	Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
		Mil	Civ	Mil	Civ	Mil	Civ		
California									
Armed Forces Reserve Center Bell	Close	(72)	0	48	0	(24)	0	0	(24)
Defense Finance and Accounting Service, Oakland	Close	0	(50)	0	0	0	(50)	0	(50)
Defense Finance and Accounting Service, San Bernardino	Close	0	(120)	0	0	0	(120)	0	(120)
Defense Finance and Accounting Service, San Diego	Close	(3)	(237)	0	0	(3)	(237)	0	(240)
Defense Finance and Accounting Service, Seaside	Close	(10)	(51)	0	0	(10)	(51)	0	(61)
Naval Support Activity Corona	Close	(6)	(886)	0	0	(6)	(886)	0	(892)
Naval Weapons Station Seal Beach Det Concoro	Close	0	(71)	0	0	0	(71)	0	(71)
Navy-Marine Corps Reserve Center, Encino	Close	(33)	0	0	0	(33)	0	0	(33)
Navy-Marine Corps Reserve Center, Los Angeles	Close	(48)	0	0	0	(48)	0	0	(48)
Onizuka Air Force Station	Close	(107)	(171)	0	0	(107)	(171)	0	(278)
Riverbank Army Ammunition Plant	Close	0	(4)	0	0	0	(4)	(85)	(89)
Leased Space - CA	Close/Realign	(2)	(14)	0	0	(2)	(14)	0	(16)
AFRC Moffett Field	Gain	0	0	87	166	87	166	0	253
Channel Islands Air Guard Station	Gain	0	0	4	15	4	15	0	19
Edwards Air Force Base	Gain	(14)	0	23	42	9	42	0	51
Fort Hunter Liggett	Gain	0	0	25	18	25	18	0	43
Fresno Air Terminal	Gain	0	0	57	254	57	254	0	311
Marine Corps Base Miramar	Gain	(46)	(3)	87	34	41	31	0	72
Marine Corps Reserve Center Pasadena CA	Gain	0	0	25	0	25	0	0	25
Naval Air Station Lemore	Gain	(39)	0	44	35	5	35	0	40
Naval Air Weapons Station China Lake	Gain	(44)	(14)	198	2,329	154	2,315	0	2,469
Naval Base Point Loma	Gain	(12)	(341)	312	350	300	9	0	309
Naval Station San Diego	Gain	(1)	(2)	1,085	86	1,084	84	2	1,170

This list does not include locations where there were no changes in military or civilian jobs.
Military figures include student load changes.

State Installation	Action	Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
		Mil	Civ	Mil	Civ	Mil	Civ		
Vandenberg Air Force Base	Gain	0	0	44	101	44	101	0	145
Beale Air Force Base	Realign	(8)	(171)	0	0	(8)	(171)	0	(179)
Camp Parks (91st)	Realign	(25)	(18)	0	0	(25)	(18)	0	(43)
Defense Distribution Depot San Joaquin	Realign	0	(31)	0	0	0	(31)	0	(31)
Human Resources Support Center Southwest	Realign	0	(164)	0	0	0	(164)	0	(164)
Los Alamitos (63rd)	Realign	(92)	(78)	0	0	(92)	(78)	0	(170)
March Air Reserve Base	Realign	(71)	(44)	0	4	(71)	(40)	0	(111)
Marine Corps Base Camp Pendleton	Realign	(145)	(6)	0	7	(145)	1	0	(144)
Marine Corps Logistics Base Barstow	Realign	(140)	(330)	0	0	(140)	(330)	51	(419)
Naval Base Coronado	Realign	(71)	(587)	0	198	(71)	(389)	0	(460)
Naval Base Ventura City	Realign	(244)	(2,149)	5	854	(239)	(1,295)	0	(1,534)
Naval Medical Center San Diego	Realign	(1,596)	(33)	0	0	(1,596)	(33)	(1)	(1,630)
Naval Weapons Station Fallbrook	Realign	0	(118)	0	0	0	(118)	0	(118)
California Total		(2,829)	(5,693)	2,044	4,493	(785)	(1,200)	(33)	(2,018)
Colorado									
Leased Space - CO	Close/Realign	0	(11)	0	0	0	(11)	0	(11)
Buckley Air Force Base	Gain	0	0	13	81	13	81	0	94
Fort Carson	Gain	0	0	4,178	199	4,178	199	0	4,377
Peterson Air Force Base	Gain	0	(27)	482	19	482	(8)	36	510
Schriever Air Force Base	Gain	0	0	44	51	44	51	0	95
Air Reserve Personnel Center	Realign	(159)	(1,447)	57	1,500	(102)	53	(59)	(108)
United States Air Force Academy	Realign	(30)	(9)	0	0	(30)	(9)	(1)	(40)
Colorado Total		(189)	(1,494)	4,774	1,850	4,585	356	(24)	4,917

This list does not include locations where there were no changes in military or civilian jobs.

Military figures include student load changes.

SUBJ: NWS SEAL BEACH CONTAINER REPAIR WORKLOAD

ENCL (1): MEMORANDUM FOR CHAIRMAN OF THE INDUSTRIAL JOINT CROSS SERVICE GROUP

ISSUE: The BRAC 2005 Detailed Recommendations Report, Vol 1: Part 2, Section 6 – Industrial Joint Cross Service Group (IND-1), recommends the workload associated with NWS Seal Beach Container Repair, identified as Tactical Missile Depot Maintenance, for realignment to Letterkenny Army Depot. The co-location of Container Repair with the ship loading, Standard Missile and Tomahawk Intermediate Maintenance Facilities, and storage areas facilitates the optimum support to the Fleet units. Transferring this workload to the East Coast will increase the Repair Turn Around Times (RTAT), add transportation costs, reduce the amount of serviceable containers and potentially impact the service provided to the Fleet. Logistical advantages are gained with Container Repair co-located with the customer base at Seal Beach.

Enclosure (1) documents the Navy's position that this workload should not be considered as a part of the Industrial Joint Cross Service Group – Depot Maintenance Capacity Analysis.

BACKGROUND: Typical maintenance products for this work center include missile containers, Vertical Launching System (VLS) canisters, VLS Gas Management components and VLS Packaging, Handling, Storage, and Transportation (PHS&T) units. Typical work processes include sandblasting, painting, welding, and latch and seal replacement, all of which is low-tech in nature. For FY05, recurring reimbursable workload funding is approximately \$389K and includes 6,000 direct labor hours.

DISCUSSION: Assuming Letterkenny Army Depot replaces Seal Beach Container Repair, a review of workload over the past 12 months shows an additional round-trip transportation cost (i.e. movement of workload from Seal Beach to Letterkenny and back to Seal Beach) of \$139K. The workload funding for FY05 is \$389K. Accordingly, overall funding would be burdened 28% by an additional transportation expense. The Container Repair per unit cost is relatively small and the added transportation cost significantly increases the per unit maintenance cost. Example: the maintenance cost for a MK 13 Canister is \$500 each, whereas the roundtrip transportation cost for one container would be \$960 (based upon full truckload shipments).

The ship loading and Standard Missile and Tomahawk Intermediate Maintenance Facilities will still require storage space for missile containers and VLS components at NWS Seal Beach in support of their operations. Therefore no sustainment or recapitalization savings will be realized for the storage portion of this function.

As referred to in enclosure (1), the work associated with Container Repair is low-tech in nature and should be characterized as intermediate level maintenance vice tactical missile depot maintenance. This workload was reported as depot in nature due to the fact that it is organizationally aligned in a division that predominately performs depot overhaul.

RECOMMENDATION: Because of the co-located customer base, additional transportation cost, and the added value Container Repair brings to Fleet units serviced by NWS Seal Beach, this function should be retained at Seal Beach. The Memorandum for Chairman of the Industrial Joint Cross Service Group dated 28 Apr 05, Enclosure (1), also supports this recommendation.



DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
1000 NAVY PENTAGON
WASHINGTON DC 20350-1000

29 April 05

MEMORANDUM FOR CHAIRMAN OF THE INDUSTRIAL JOINT CROSS SERVICE GROUP

Subj: CANDIDATE RECOMMENDATION FOR WEAPONS STATION SEAL BEACH, CA
IND-0083B

The Industrial Joint Cross Service Group's recommendation IND-0083B includes the realignment of approximately 6000 direct labor hours of depot maintenance work for the commodity group tactical missiles from Naval Weapons Station Seal Beach CA to Letterkenny Army Depot PA.

The certified data received from the activity describe the efforts as sanding, painting and welding on vertical launcher components, not work on the missiles themselves. The low-tech nature of the labor and the fact that the work is not performed on the missiles themselves leads us to conclude that this work should not be characterized as tactical missile depot maintenance and should not be included in the analysis.

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

A handwritten signature in cursive script, appearing to read "Anne Rathmell Davis".

Anne Rathmell Davis
Special Assistant to the Secretary of the
Navy for Base Realignment and Closure



Who is NSWC Det Seal Beach?

- **Chain of Command:** Detachment to NAVSEA's Naval Surface Warfare Center (NSWC), Indian Head Division, MD
- **Location:** Naval Weapons Station, Seal Beach, CA *4 different sites*
- **Description:** Engineering Laboratories with specialized technical workforce providing engineering and logistics services in support of Nuclear Reentry Systems, ¹³ Test Measurement & Diagnostic Equipment (TMDE), ^{9 employees} and Automated Test Equipment (ATE) *5-6 employees*
- **Mission:** Provide full spectrum of ordnance life-cycle technical services, ensuring integrity and performance of weapons systems in the areas of test & evaluation and test systems support
- **Strengths:** Co-location with Naval Weapons Station creates synergy, In-house expertise in nuclear reentry systems and ordnance energetics, Technical Authority in TMDE Engineering

would have to reproduce calibration lab at China Lab. Lab would not leave here
 #3-5 M



Tracy Baker

5 admin security, etc

See SOC Tech 2B 18 question
 Tech 2C ques 13-14
 Tech 18 ques 16-19



Vital Statistics

Manpower

Civilians

Contractors

	Seal Beach	44	25
GOCO	Redlands	1	
	Sandia Lab, NM	1	
	Norfolk, VA	1	
	Quantico, VA	1	

Financial

Working Capital Funds
 \$30+M Annual Funding

Facilities

Laboratory and Engineering
 Storage & Logistics
 Explosive Magazines





Mission Authority

NUCLEAR REENTRY (WARHEAD) SYSTEMS

- Trident's MK4 & MK5 Surveillance Program for US and United Kingdom
- Tomahawk Surveillance Testing
- Reliability, Trends, Assessment
- Test & Evaluation (Ordnance, RF& Electrical, Chemical, NDT)

TEST MEASUREMENT & DIAGNOSTICS EQUIPMENT (TMDE)

- Acquisition
- Logistics
- Engineering
- Initial Ships Outfitting
- Acceptance Testing
- Calibration & Maintenance

AUTOMATED TEST EQUIPMENT SUPPORT

STANDARD MISSILE – MK612 AUR at NWS Seal Beach

- Technical & Maintenance
- Inventory Stock Point

USMC THIRD ECHELON TEST SET (TETS)

- West Coast Technical Field Reps



Significance of our Mission

- **TRIDENT's Nuclear Program** ... DOD's **Sole** Stockpile Evaluation and Reliability Assessment (SEARA) program for MK4 & MK5 Reentry Systems (Warheads) which provides Reliability Predictions and Assessments to the Johns Hopkins University/Applied Physics Lab for inputs to the CINCEVAL reporting to COMPACFLT and COMLANFLT for targeting purposes.
- **TMDE Program** ... NAVSEA's Technical Authority for the Engineering and Life-Cycle Management of the Test Measurement and Diagnostic Equipment program in support of Fleet and Shore Activities.
- **STANDARD Missile** ... Co-located with Navy's **Sole** Intermediate Level Maintenance Facility for Standard Missile at Naval Weapons Station Seal Beach to minimize production downtime of the MK612 AUR Test Set through timely technical and logistics support.



BRAC Recommendation

“Realign Naval Weapons Station Seal Beach, CA by relocating all Weapons & Armament Research, Development & Acquisition, and Test and Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA”

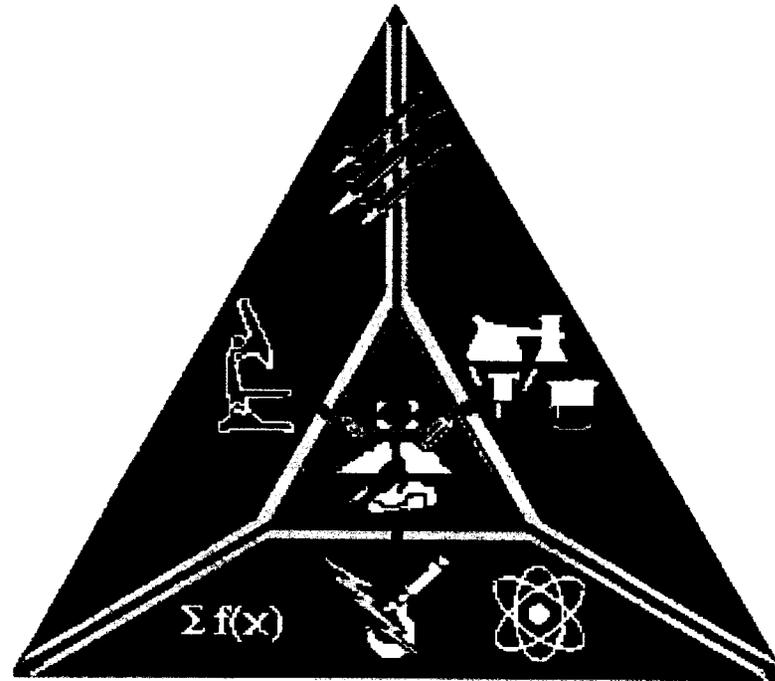
Potential positions affected – 24



DCN:11714



Naval Surface Warfare Center Indian Head Division



Detachment Seal Beach

BRAC Commission Visit

14 July 2005

Tech 15
could realign to
Corona (better
synergy) than
Chem Lake

Corona or here
Better synergy

IHDIV
ENERGETIC SYSTEMS

Tony Rodriguez
562-626-7727

Who is NSWC Det Seal Beach?



- **Chain of Command:** Detachment to NAVSEA's Naval Surface Warfare Center (NSWC), Indian Head Division, MD
- **Location:** Naval Weapons Station, Seal Beach, CA
- **Description:** Engineering Laboratories with specialized technical workforce providing engineering and logistics services in support of Nuclear Reentry Systems, Test Measurement & Diagnostic Equipment (TMDE), and Automated Test Equipment (ATE)
- **Mission:** Provide full spectrum of ordnance life-cycle technical services, ensuring integrity and performance of weapons systems in the areas of test & evaluation and test systems support
- **Strengths:** Co-location with Naval Weapons Station creates synergy, In-house expertise in nuclear reentry systems and ordnance energetics, Technical Authority in TMDE Engineering



Vital Statistics

Manpower

Civilians

Contractors

<i>Seal Beach</i>	44	25
<i>Redlands</i>	1	
<i>Sandia Lab, NM</i>	1	
<i>Norfolk, VA</i>	1	
<i>Quantico, VA</i>	1	

Financial

Working Capital Funds
\$30+M Annual Funding

Facilities

Laboratory and Engineering
Storage & Logistics
Explosive Magazines



Mission Authority

NUCLEAR REENTRY (WARHEAD) SYSTEMS

- Trident's MK4 & MK5 Surveillance Program for US and United Kingdom
- Tomahawk Surveillance Testing
- Reliability, Trends, Assessment
- Test & Evaluation (Ordnance, RF& Electrical, Chemical, NDT)

TEST MEASUREMENT & DIAGNOSTICS EQUIPMENT (TMDE)

- Acquisition
- Logistics
- Engineering
- Initial Ships Outfitting
- Acceptance Testing
- Calibration & Maintenance

AUTOMATED TEST EQUIPMENT SUPPORT

STANDARD MISSILE – MK612 AUR at NWS Seal Beach

- Technical & Maintenance
- Inventory Stock Point

USMC THIRD ECHELON TEST SET (TETS)

- West Coast Technical Field Reps

Significance of our Mission



- **TRIDENT's Nuclear Program** ... DOD's **Sole** Stockpile Evaluation and Reliability Assessment (SEARA) program for MK4 & MK5 Reentry Systems (Warheads) which provides Reliability Predictions and Assessments to the Johns Hopkins University/Applied Physics Lab for inputs to the CINCEVAL reporting to COMPACFLT and COMLANFLT for targeting purposes.

- **TMDE Program** ... NAVSEA's Technical Authority for the Engineering and Life-Cycle Management of the Test Measurement and Diagnostic Equipment program in support of Fleet and Shore Activities.

- **STANDARD Missile** ... Co-located with Navy's **Sole** Intermediate Level Maintenance Facility for Standard Missile at Naval Weapons Station Seal Beach to minimize production downtime of the MK612 AUR Test Set through timely technical and logistics support.



BRAC Recommendation

“Realign Naval Weapons Station Seal Beach, CA by relocating all Weapons & Armament Research, Development & Acquisition, and Test and Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA”

Potential positions affected – 24

Summary:

BRAC adjustments for amendment to take out movement of Tactical Missile to Letterkenny.

TND-0083 -- MX 1.3A Seal Beach to Anniston (Army)
Date Modified: 4/19/05

IND-0083 -- MX 1.3A Seal Beach to Letterkenny (Army)
Date Modified: 4/19/05

IND-0083 -- MX 1.3A Seal Beach to Tobyhanna (Army)
Date Modified: 4/19/05

Seal Beach Losing IND-0083 COMBINED 12 Apr 05 (Navy)
Date Modified 4/12/05

Scenario Description:

Realign NAVWPNSTA Seal Beach, CA, as follows: relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA; relocate the depot maintenance of Material Handling to MCLB Albany, GA; relocate the depot maintenance of Other Components to Anniston Army Depot, AL; and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA.

Action Item Description:

- Action 87: Realign all depot maintenance workload and capacity for the commodity group ELECTRONIC COMPONENTS (NON-AIRBORNE) from NAVWPNSTA SEAL BEACH to TOBYHANNA ARMY DEPOT.
- Action 88: Realign all depot maintenance workload and capacity for the commodity group FIRE CONTROL SYSTEMS AND COMPONENTS from NAVWPNSTA SEAL BEACH to TOBYHANNA ARMY DEPOT.
- Action 89: Realign all depot maintenance workload and capacity for the commodity group MATERIAL HANDLING from NAVWPNSTA SEAL BEACH to MCLB ALBANY GA.
- Action 90: Realign all depot maintenance workload and capacity for the commodity group OTHER COMPONENTS from NAVWPNSTA SEAL BEACH to ANNISTON ARMY DEPOT.
- Action 91: Realign all depot maintenance workload and capacity for the commodity group RADAR from NAVWPNSTA SEAL BEACH to TOBYHANNA ARMY DEPOT.
- Action 92: Realign all depot maintenance workload and capacity for the commodity group RADIO from NAVWPNSTA SEAL BEACH to TOBYHANNA ARMY DEPOT.
- Action 93: Realign all depot maintenance workload and capacity for the commodity group TACTICAL MISSILES from NAVWPNSTA SEAL BEACH to LETTERKENNY ARMY DEPOT.

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\150 - Seal Beach\IND0083B Seal Beach
 Cobra Run - FINAL.CBR
 Option Pkg Name: IND0083 MX1.3A Seal Beach
 Std Cobra File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SPF

Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	324	1,066	980	1,104	980	980	5,434	980
Overhd	326	471	180	170	167	167	1,480	167
Moving	172	1,933	0	35	0	0	2,141	0
Missio	0	0	0	0	0	0	0	0
Other	131	748	5	0	0	0	884	0
TOTAL	954	4,217	1,165	1,309	1,147	1,147	9,940	1,147

Savings in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	815	1,427	1,560	1,204	1,463	6,489	1,693
Overhd	-12	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	0	0	0	0	0	0	0	0
TOTAL	-12	2,018	2,630	2,763	2,896	2,896	13,193	2,896

Thanks, Dave
Chairman Principi, Commissioners:

Recommendation: [First Slide Please] This DoD recommendation is to realign depot-level maintenance work currently performed by Naval Weapons Station (NWS) Seal Beach, CA, as follows:

- **Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA;**
- **Material Handling Equipment to Marine Corps Logistics Base Albany, GA;**
- **Other Components to Anniston Army Depot, AL;**
- **Tactical Missiles to Letterkenny Army Depot, PA.**

Justification: : [Next slide please] The justification for this recommendation is to work towards elimination of the depot maintenance function from Naval Weapons Station Seal Beach and follows the general strategy of minimizing the number of sites performing depot maintenance. This recommendation eliminates nearly six acres of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. This recommendation increases interservicing, but decreases depot maintenance costs across DoD by consolidation and elimination of duplicate structures in which depot maintenance is performed. This supports transformation of the Department's depot maintenance operations by increasing utilization of existing capacity while maintaining capability to support future force structure.

The only recommendation with which the staff takes issues is one that affects fewer than five people. It appeared on the recommendation due to miscategorization of some Intermediate level work which was coded as depot maintenance. Containers generally come to Seal Beach with a missile in them. The missile work is and will be done at Seal Beach. The recommendation would cause the empty containers to be shipped cross-country to Letterkenny where they would be repainted, bolts tightened, and dents removed. The containers would then be shipped back to Seal Beach. It costs about \$800- \$1000 to ship each container round trip to Pennsylvania. If the container is still at Letterkenny when the missile is ready, the missile may have to await the return of the correct type of container, as there are about a dozen different container shapes and sizes. We have no reason to think that there is any substantial difference between the cost of doing this

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
 Data As Of 8/28/2005 12:55:03 PM, Report Created 8/28/2005 12:55:04 PM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\150 - Seal Beach\IND0083B Seal Beach
 Cobra Run - FINAL.CBR
 Option Pkg Name: IND0083 MX1.3A Seal Beach
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Starting Year : 2006
 Final Year : 2009
 Payback Year : 2010 (1 Year)

NPV in 2025(\$K): -19,884
 1-Time Cost(\$K): 3,951

Net Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	324	251	-446	-456	-712	-712	-1,752	-712
Overhd	338	-733	-1,024	-1,034	-1,037	-1,037	-4,526	-1,037
Moving	172	1,933	0	35	0	0	2,141	0
Missio	0	0	0	0	0	0	0	0
Other	131	748	5	0	0	0	884	0
TOTAL	966	2,199	-1,465	-1,454	-1,749	-1,749	-3,253	-1,749

	2006	2007	2008	2009	2010	2011	Total
	----	----	----	----	----	----	-----
POSITIONS ELIMINATED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	17	0	4	0	0	21
TOT	0	17	0	4	0	0	21

	2006	2007	2008	2009	2010	2011	Total
	----	----	----	----	----	----	-----
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	37	0	0	0	0	37
TOT	0	37	0	0	0	0	37

work at Letterkenny than Seal Beach, other than the additional cost of shipping.

DoD COBRA:

- \$4.1 M One-time costs
- Payback in 1 year
- \$17.7 M 20-year Net Present Value
- Relocates 0 Military and 39 Civilians
- Eliminates 0 Military and 21 Civilians.
- Total about 60

Staff agrees that given the low-tech level of the work involved and the possible ramifications of having an overhauled missile without an appropriate container, it does not make sense to ship the missile containers cross country to receive the attention of a depot maintenance provider. This work, which only amounts to 6,0000 WH or about four WY should be kept at NWS Seal Beach, where it can be performed by less-skilled personnel with an avoidance of the transportation costs. Overturning the recommendation costs about \$11,000 extra in civilian salary locality pay, avoids about \$400K per year in shipping costs, and avoids the cost of moving the two civilians to Letterkenny. Thus, this recommendation would have an NPV of about \$5M more than the original recommendation.

apparently

*However this would likely
be offset by an
expectation that the
covered storage area
requires little maintenance
and this cost may
have been overstated*

**Thanks, Dave
Chairman Principi, Commissioners:**

Recommendation: [First Slide Please] This DoD recommendation is to realign depot-level maintenance work currently performed by Naval Weapons Station (NWS) Seal Beach, CA, as follows:

- **Electronic Components** (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to **Tobyhanna Army Depot, PA;**
- **Material Handling Equipment** to **Marine Corps Logistics Base Albany, GA;**
- **Other Components** to **Anniston Army Depot, AL;**
- **Tactical Missiles** to **Letterkenny Army Depot, PA.**

Justification: : [Next slide please] The justification for this recommendation is to work towards elimination of the depot maintenance function from Naval Weapons Station Seal Beach and follows the general strategy of minimizing the number of sites performing depot maintenance. This recommendation eliminates nearly six acres of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. This recommendation increases interservicing, but decreases depot maintenance costs across DoD by consolidation and elimination of duplicate structures in which depot maintenance is performed. This supports transformation of the Department's depot maintenance operations by increasing utilization of existing capacity while maintaining capability to support future force structure.

The only recommendation with which the staff takes issues is one that affects fewer than five people. It appeared on the recommendation due to miscategorization of some Intermediate level work which was coded as depot maintenance. Containers generally come to Seal Beach with a missile in them. The missile work is and will be done at Seal Beach. The recommendation would cause the empty containers to be shipped cross-country to Letterkenny where they would be repainted, bolts tightened, and dents removed. The containers would then be shipped back to Seal Beach. It costs about \$800- \$1000 to ship each container round trip to Pennsylvania. If the container is still at Letterkenny when the missile is ready, the missile may have to await the return of the correct type of container, as there are about a dozen different container shapes and sizes. We have no reason to think that there is any substantial difference between the cost of doing this

work at Letterkenny than Seal Beach, other than the additional cost of shipping.

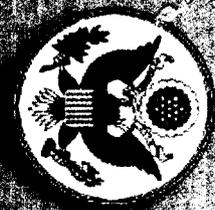
DoD COBRA:

- \$4.1 M One-time costs
- Payback in 1 year
- \$17.7 M 20-year Net Present Value
- Relocates 0 Military and 39 Civilians
- Eliminates 0 Military and 21 Civilians.
- Total about 60

Staff agrees that given the low-tech level of the work involved and the possible ramifications of having an overhauled missile without an appropriate container, it does not make sense to ship the missile containers cross country to receive the attention of a depot maintenance provider. This work, which only amounts to 6,0000 WH or about four WY should be kept at NWS Seal Beach, where it can be performed by less-skilled personnel with an avoidance of the transportation costs. Overturning the recommendation costs about \$11,000 extra in civilian salary locality pay, avoids about \$400K per year in shipping costs, and avoids the cost of moving the two civilians to Letterkenny. Thus, this recommendation would have an NPV of about \$5M more than the original recommendation.

DCN:11714

DCN:11714



Sec. 150: Realign Naval Weapons Station Seal Beach, CA

- **Phase 1: Realignment**
- **Phase 2: Operations**
- **Phase 3: Construction**
- **Phase 4: Realignment**
- **Phase 5: Operations**
- **Phase 6: Construction**
- **Phase 7: Realignment**
- **Phase 8: Operations**
- **Phase 9: Construction**
- **Phase 10: Realignment**
- **Phase 11: Operations**
- **Phase 12: Construction**
- **Phase 13: Realignment**
- **Phase 14: Operations**
- **Phase 15: Construction**
- **Phase 16: Realignment**
- **Phase 17: Operations**
- **Phase 18: Construction**
- **Phase 19: Realignment**
- **Phase 20: Operations**
- **Phase 21: Construction**
- **Phase 22: Realignment**
- **Phase 23: Operations**
- **Phase 24: Construction**
- **Phase 25: Realignment**
- **Phase 26: Operations**
- **Phase 27: Construction**
- **Phase 28: Realignment**
- **Phase 29: Operations**
- **Phase 30: Construction**
- **Phase 31: Realignment**
- **Phase 32: Operations**
- **Phase 33: Construction**
- **Phase 34: Realignment**
- **Phase 35: Operations**
- **Phase 36: Construction**
- **Phase 37: Realignment**
- **Phase 38: Operations**
- **Phase 39: Construction**
- **Phase 40: Realignment**
- **Phase 41: Operations**
- **Phase 42: Construction**
- **Phase 43: Realignment**
- **Phase 44: Operations**
- **Phase 45: Construction**
- **Phase 46: Realignment**
- **Phase 47: Operations**
- **Phase 48: Construction**
- **Phase 49: Realignment**
- **Phase 50: Operations**
- **Phase 51: Construction**
- **Phase 52: Realignment**
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- **Phase 90: Construction**
- **Phase 91: Realignment**
- **Phase 92: Operations**
- **Phase 93: Construction**
- **Phase 94: Realignment**
- **Phase 95: Operations**
- **Phase 96: Construction**
- **Phase 97: Realignment**
- **Phase 98: Operations**
- **Phase 99: Construction**
- **Phase 100: Realignment**





Sec. 150: Realign Naval Weapons Station Seal Beach, CA

DD FORM 1 (10/1990)

Letterkenny
Army Depot
Letterkenny, PA

Tobyhanna
Army Depot
Tobyhanna, PA

NWS
Seal Beach
Seal Beach, CA

Anniston
Army Depot
Anniston, AL

Marine Corps
Logistics Base
Albany, NY





Sec. 150: Realign Naval Weapons Station

Seal Beach, CA

Deviation from Final Selection Criteria

Criterion	Military Value				Other			
	C1	C2	C3	C4	C5	C6	C7	C8
Deviation	<u>X</u>			X				

X=1's for your use

<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
----------	----------	----------	----------	----------

X=Deviation



Sec. 150: Realign Naval Weapons Station Seal Beach CA

NAVY
OFFICE OF THE SECRETARY

WASHINGTON, D.C.

NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C.

NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C.

NAVY
OFFICE OF THE SECRETARY
WASHINGTON, D.C.



Don



Sec. 150: Realign Naval Weapons Station Seal Beach, CA

...

The ship's guns (that) given the low-level ...
does not make sense to ship the missile containers ...
receive the shipment of a depot maintenance program ...
of intermediate level work (A.W.Y.) should be ...
where it can be performed by less skilled ...
of the transportation costs. Operations ...
about 11,100 ...
costs and the ...

The staff ...
...





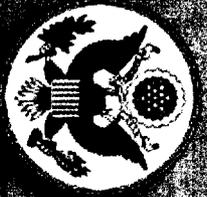
Sec. 150: Realign Naval Weapons

Station Seal Report - CA

COBRA DATA

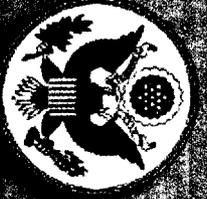
	DOD	R&A
One Time Cost	COBRA Run \$ 4.18M	COBRA Run \$ M
Net Implementation Cost	(\$ 2.3M)	M
Annual Recurring (Savings)	(\$ 1.6 M)	(\$ M)
Payback Period	1 year	X years
Net Present Value at 2025	\$17.7 M	(\$ M)





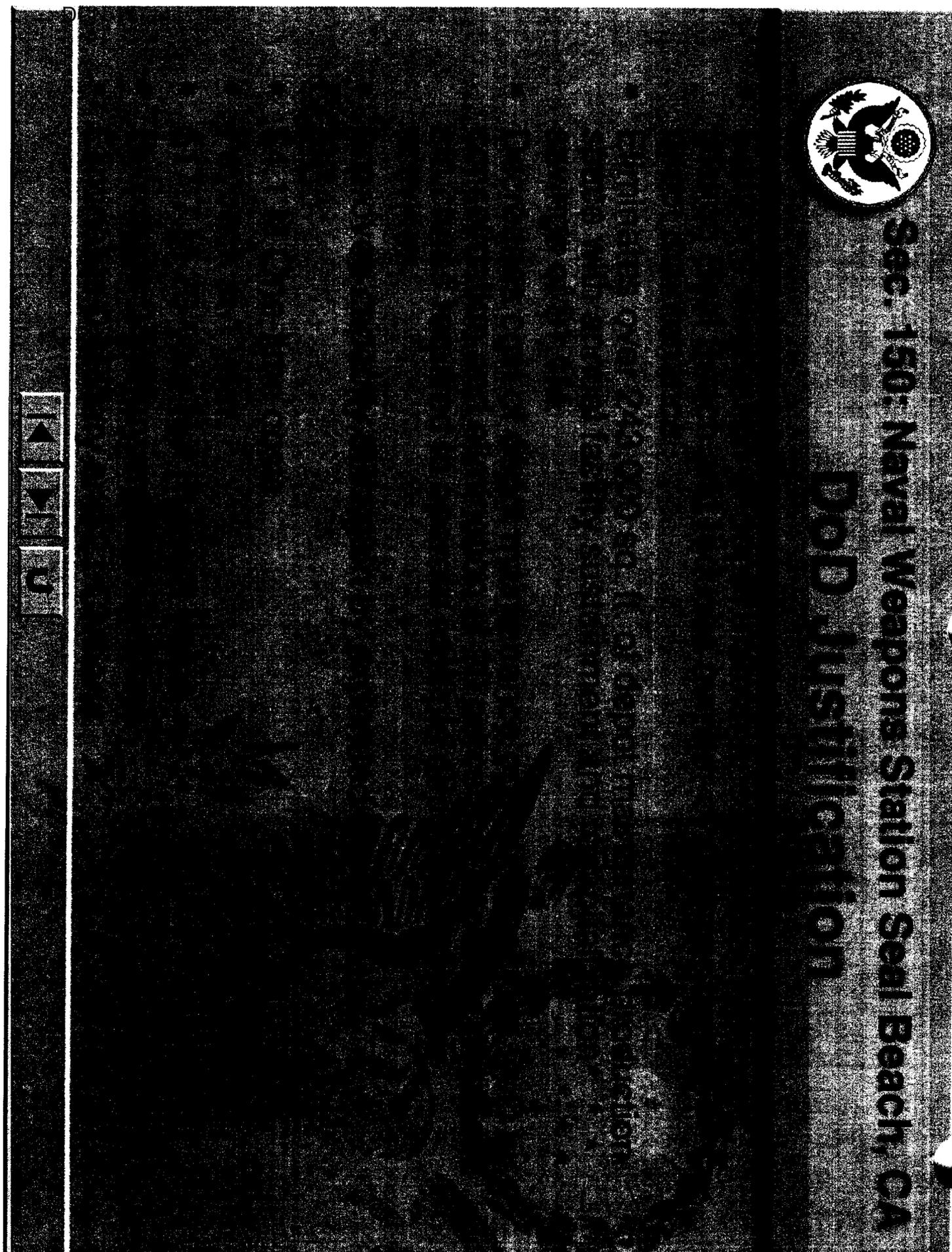
Sec. 150: Naval Weapons Station Seal Beach, CA Affected Installations

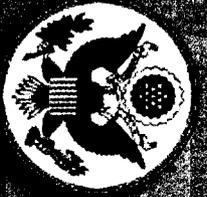




Sec. 150: Naval Weapons Station Seal Beach, CA

DOD JUSTIFICATION

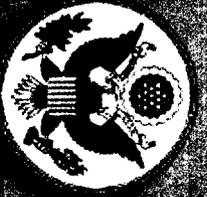




Sec. 150: Naval Weapons Station Seal Beach, CA

1991





Sec. 150: Naval Weapons Station Seal Beach, CA

DOD Recommendation

Realign Naval Weapons Station Seal Beach



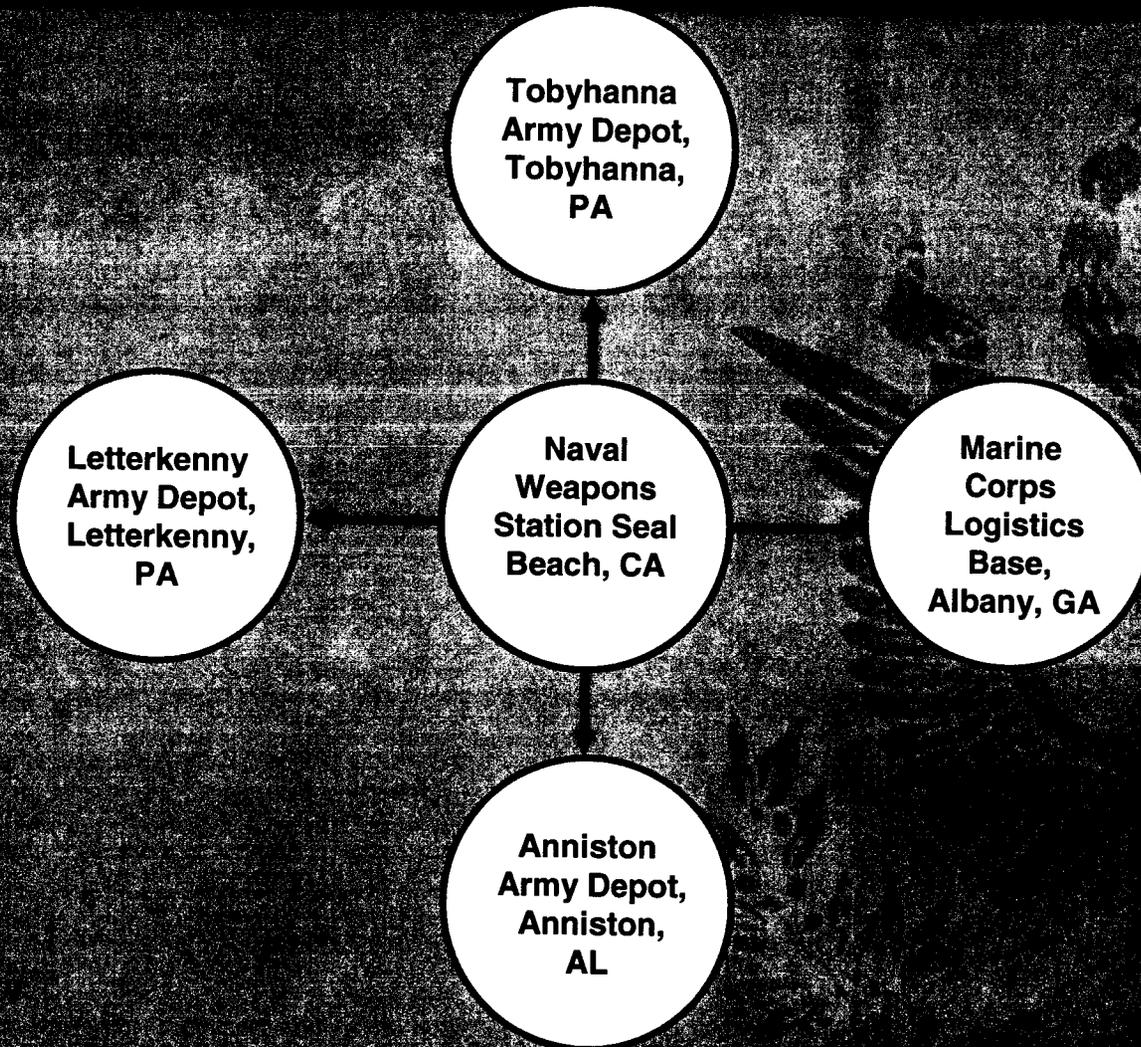


Spec: 150: Naval Weapons Station Seal Beach, CA
DOD RECOMMENDATION

1 2 3



Sec. 150: Naval Weapons Station Seal Beach, CA Associated Installations

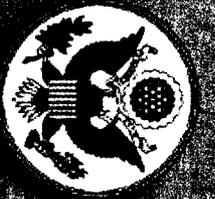




Sec. 150: Naval Weapons Station Seal Beach, CA
DoD Justification

NAVY
NAVAL WEAPONS STATION SEAL BEACH, CALIFORNIA





Sec. 150: Naval Weapons Station Seal Beach, CA

ISSUES

FOR THE RECORD: THE NAVAL WEAPONS STATION (NWS) AT SEAL BEACH, CALIFORNIA, IS THE ONLY NAVAL WEAPONS STATION IN THE WORLD WHICH OPERATES UNDER THE CONTROL OF THE NAVAL WEAPONS CENTER (NWC) AT PENSACOLA, FLORIDA.

THE NAVAL WEAPONS CENTER (NWC) IS THE HEADQUARTERS FOR THE NAVAL WEAPONS CENTER (NWC) AT PENSACOLA, FLORIDA.





Sec. 150: Naval Weapons Station Seal Beach, CA

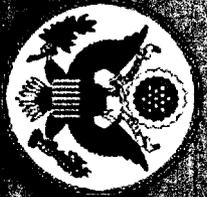
STAFF ASSESSMENT

Deviation from Final Selection Criteria

Criterion	Military Value				Other			
	C1	C2	C3	C4	C5	C6	C7	C8
Deviation	<u>X</u>			<u>X</u>				

Deviation





Sec. 150, Naval Weapons Station Seal Beach, CA
CI & CA, Mission and Core Competitions

COMMUNITY POSITION

THE NAVAL WEAPONS STATION SEAL BEACH, CA

MISSION AND CORE COMPETITIONS





**Sec. 150: Naval Weapons Station Seal Beach, CA
CS. (Savings/Cost)**

COBRA DATA

	DoD COBRA Run	Staff Excursion Without MilPers
One Time Cost	\$4.1 M	\$4.1 M
Net Implementation	(\$2.3 M)	(\$2.3 M)
Annual Recurring	(\$1.6 M)	(\$1.6 M)
Payback Period	1 Year	1 Year
Net Present Value at 2025	(\$17.7 M)	(\$17.7 M)

DCN:11714

Thanks, Dave
Chairman Principi, Commissioners:

Recommendation: ~~[First Slide Please]~~ This DoD recommendation is to realign depot-level maintenance work currently performed by Naval Weapons Station (NWS) Seal Beach, CA, as follows:

- **Electronic Components** (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to **Tobyhanna Army Depot, PA;**
- **Material Handling Equipment** to **Marine Corps Logistics Base Albany, GA;**
- **Other Components** to **Anniston Army Depot, AL;**
- **Tactical Missiles** to **Letterkenny Army Depot, PA.** d

Justification: : [Next slide please] The justification for this recommendation is to work towards elimination of the depot maintenance function from Naval Weapons Station Seal Beach and follows the strategy of minimizing the number of sites performing depot maintenance without exceeding 1.5 shifts. This recommendation eliminates nearly six acres of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. The required capacity to support DoD workload is relocated to other Centers of Industrial and Technical Excellence, thus increasing their military value. This recommendation increases interservicing, but decreases depot maintenance costs across DoD by consolidation and elimination of duplicate structures in which depot maintenance is performed. This supports transformation of the Department's depot maintenance operations by increasing utilization of existing capacity while maintaining capability to support future force structure.

Concerns: [Next slide please] The comments we heard were not particularly critical of the proposed recommendation. They pointed out possible discrepancies in two of the four recommendations. Correction of these recommendations would serve to improve readiness and reduce cost.

The most significant of the issues, although it only affects a few people, deals with the work that the recommendation would send to Letterkenny in south-central Pennsylvania. Seal Beach explained that missiles are delivered to NWS Seal Beach in containers. Apparently the base responded in an inaccurate manner to the questions about depot level workload and as a result, work on containers was improperly coded as depot-level. What happens is missiles come in to Seal Beach to be worked. The

1-Time
NPV
Saving
per se
60

recommendation does not affect that effort. However, because of the COBRA input, the empty containers were proposed to be shipped cross-country to Letterkenny in order that they can take out dents, tighten bolts, etc. Seal Beach tried unsuccessfully to get the DoD BRAC office to correct error which showed intermediate level work as depot work. The base explained that when shipping costs are included, it costs more to ship the containers to Letterkenny for industrial work, only to have the renovated containers shipped back to Seal Beach with a unit round-trip transportation cost of about \$1,000.

On a second issue, the community also noted that they believe that there should be a continuing radar expertise either at Seal Beach or in San Diego so that there will be local support for radar and antenna work, rather than requiring Tobyhanna to fly out technical representatives to investigate problems. They also noted that without such support, the Fleet might be sending back perfectly good equipment to Tobyhanna, only to have it returned as-is to the user.

Staff Assessment: : [Next slide please] The staff agrees that given the low-tech level of the work involved, it does not make sense to ship the missile containers cross country to receive the attention of a depot maintenance provider. This work, which only amounts to 6,000 WH or about four WY should be kept at NWS Seal Beach, where it can be performed by less-skilled personnel with an avoidance of the transportation costs. Overturning the recommendation costs about \$11,000 extra in civilian salary locality pay, avoids about \$400K per year in shipping costs, and avoids the cost of moving the two civilians to Letterkenny.

The staff partially agrees with the observations regarding the radar and antenna work which was proposed to be sent to Tobyhanna, also in Pennsylvania, which has hundreds of people doing work on radars and fire control system. It is recommended that post BRAC as part of the implementation, Tobyhanna should give consideration to establishing a small group of fire control and radar expertise at Seal Beach or at an industrial activity in San Diego where they can efficiently use their expertise to reduce travel time, cost, and per diem, and work to improve fleet readiness.

It would also appear that DoD overstated the expected savings from vacating unheated, covered warehouse space.

COBRA: [Next slide please] Staff did not perform a revised COBRA. However, it would appear that rejecting this subrecommendation would save about \$400 K per year and would help insure that required containers are available at Seal Beach when the missile are ready to be shipped out.

400 K
Gehmar
+
D

DCN:11714

Recommendation: Create an Integrated Weapons & Armaments Speciality Site for Guns & Ammunition

There are two common abbreviations that may show up on these slides for the benefit of brevity. RD & A T&E

[First Slide Please] This is much easier to grasp than either Tech 9 or Tech 15. There are eight sub-recommendations and each involves sending work to the same recipient, the Army's Picatinny Arsenal in Northern New Jersey.

[Next Slide Please] In seven of the eight cases, the description of the work and resources scheduled to be moved to Picatinny is exactly the same:

"guns and ammunition Research Development and Acquisition. ~~Next Slide~~

~~Please~~ The one exception is NSWC Earle, NJ, which is to send its weapon and armament packaging Research and Development & Acquisition to Picatinny. . ~~Next Slide Please~~

In summary, the recommendation makes one winner – Picatinny Arsenal – and does not close anything. . ~~Next Slide Please~~

Next Slide Please

DoD's justification is that . **[Next Slide Please]**

- This realigns and consolidates gun and ammunition facilities working in Weapons & Armaments (W&A) RD&A
- Picatinny is the center of military value in gun and ammunition W&A RD&A, with the largest workload of any other DoD facility
- Picatinny is the DoD's Single Manager for Conventional Ammunition
- This includes Army and Navy RD&A activities. It promotes jointness, enables synergy, and positions the DoD to exploit scientific, technical, and acquisition expertise within the weapons and armament RD&A community that currently resides at this DoD specialty location
- Movement of the packaging work to Picatinny Arsenal will create a joint center of excellence and provide synergy in armament development for the near future and beyond, featuring a Joint Packaging, Handling, Shipping and Transportation (PHS&T) Center, particularly important in this current time of high demand for guns and ammunition by all the services.

*50 yr NPV
reduced*

. **[Next Slide Please]** The DOD generated COBRA has a 13 year payback and a one-time cost of more than \$100 M.

*90 yr NPV
person 800*

Loss

It is not surprising that with eight different losing organizations, there are a wide variety of issues. ~~Brain drain~~ and disagreement with the DOD estimated costs and savings were fairly consistent arguments. The next couple of slides show a few of the issues that were cited repeatedly at the individual Navy bases.

0
This
slide
is
relevant
to
separation
critique

C1 - Brain Drain

- Move to Picatinny may meet enormous employee resistance and there is a risk of tremendous "brain and experience drain." The communities generally estimated employee losses of about 80%, but Navy officials believe that 40-50% of the employees will actually make the moves. (Crane, Dahlgren, Louisville, Indian Head, Dahlgren, Earle, Fallbrook det of Crane)
- Cost of housing in Picatinny is a key factor in reluctance to move (Crane, Dahlgren, Louisville, Indian Head, Dahlgren)

C1 - National security and programs delayed

- Employees stated that programs could be delayed by "brain drain," and National security is at stake. (Dahlgren)

C1 - Mission performance

- Little or no encroachment - relative to competitors (Crane, Indian Head, China Lake, Dahlgren, Fallbrook)
- Quick response and agile (Crane, Dahlgren, Fallbrook)
- Jointness (Crane, Fallbrook, Indian Head)
- Access to T&E facilities - relative to competitor (Fallbrook, Dahlgren, Crane, China Lake)
- Recommendation takes part of their core business (Crane, Indian Head, Dahlgren, Fallbrook, Earle)

C4 - Costs

- Enormous up front costs, questionable payback, training costs for replacement employees
- Use of 15% civil service employee separation factor is unrealistic, unsupported, and varies with GAO report

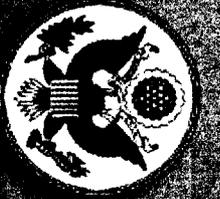
C7 - Economic Impact

- Potentially severe economic impact (Crane)

Show issues

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Custom



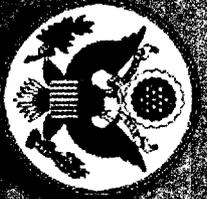
SECTION 190 - Criteria on Budgetary
Announcements - Specialty Sites for Conservation
Allison

February 20, 1970

UNITED STATES DEPARTMENT OF AGRICULTURE



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Sec. 156. Create an Integrated Weapons & Ammunitions Specialty Site for Guns & Ammunition

DoD Database Administration

1. [Illegible]

2. [Illegible]

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4. [Illegible]

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6. [Illegible]

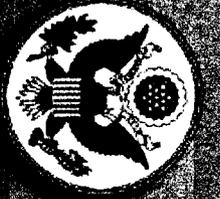
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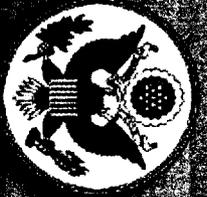
Sec. 186: Create an Integrated Reporting & Arrangements Specialty Site for CDDP & Arrangements

DoD Department

COMPTROLLER

GENERAL INVESTIGATIVE DIVISION





Department of Defense
Office of Procurement & Acquisition

Department of Defense





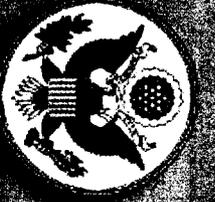
Sec. 156: Create an Integrated Weapons & Armaments Specialty Site for Guns & Ammunition

C5 (Savings) / Cost

COBRA DATA

	DoD Baseline	Staff Excursion Without Mil Pers
One Time Cost	\$116.3 M	\$ 116.3 M
Net Implementation Cost/Savings	\$81.2 M	\$ 81.6 M
Annual Recurring Cost/Savings	(\$11.3 M)	(\$11.2 M)
Payback Period	13 years	13 years
Net Present Value at 2025 Cost/Savings	(\$32.6 M)	(\$31.4 M)





Staff Assessment

Deviation from Final Selection Criteria

Criterion	Military Value				Other			
	C1	C2	C3	C4	C5	C6	C7	C8
Deviation	X			X		X		

Deviation

BASE VISIT REPORT

NAVAL WEAPONS STATION, SEAL BEACH

July 14, 2005

LEAD COMMISSIONER: None

ACCOMPANYING COMMISSIONER: None

COMMISSION STAFF: David Epstein/Navy, Lester Farrington/Cross-Service

LIST OF ATTENDEES: List Attached

BASE'S PRESENT MISSION: Provide full spectrum of ordnance life-cycle technical services, ensuring integrity and performance of weapons systems in the areas of test & evaluation and test systems support.

SECRETARY OF DEFENSE RECOMMENDATION:

- Close the Inland area of Naval Weapons Station Seal Beach Detachment, Concord CA, except retain such property and facilities as are necessary to support operations in the Tidal area of Naval Weapons Station Seal Beach Detachment Concord. The Tidal area of Naval Weapons Station Seal Beach Detachment Concord, along with the retained portion of the Inland area, shall be transferred to the Army.
- Realign Naval Weapons Station Seal Beach, CA, as follows: relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA; relocate the depot maintenance of Material Handling to Marine Corps Logistics Base Albany, GA; relocate the depot maintenance of Other Components to Anniston Army Depot, AL; and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA.
- Realign Naval Weapons Station Seal Beach, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA.

SECRETARY OF DEFENSE JUSTIFICATION:

- While Department of the Navy weapons stations have no excess capacity for loading and distribution of munitions, there is an excess of munitions storage capacity. Because of the departure of Fleet units from the San Francisco area in the 1990s, Naval Weapons Station Seal Beach Detachment Concord's Inland magazine field has been in a reduced operating status since 1999. At that time, the Inland area was retained in an effort to minimize risk should a future need develop to expand storage capacity. The Explosive Safety Quantity Distance arcs in the Inland area were available to allow safe, temporary holding of railcars with munitions destined for loading by the Army-managed Marine Ocean Terminal Concord (at the Tidal area) during high tempo operations. After consultation with Combatant Commanders, the Army Material Command and the Army component of the U.S. Transportation Command, the Department of the Navy has concluded this capability is no longer necessary. The Inland area is excess to Department of the Navy/DoD needs and is severable. The closure of the Inland area, therefore, will save money and have no impact on mission capability.

The City of Concord requested closure of both the Inland and Tidal portions of Naval Weapons Station Seal Beach Detachment Concord. Munitions loading requirements preclude closing the Tidal area but the Inland area is excess and may be closed. Because Tidal area operations are in support of the Army component of the U.S. Transportation Command, transfer of the property to the Army aligns the property holder with the property user.

- This recommendation supports depot maintenance function elimination at Naval Weapons Station Seal Beach and follows the strategy of minimizing sites using maximum capacity at 1.5 shifts. This recommendation eliminates over 243,000 square feet of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. Required capacity to support workloads and Core requirements for the Department of Defense (DoD) is relocated to other DoD Centers of Industrial and Technical Excellence, thereby increasing the military value of depot maintenance performed at these sites. This recommendation decreases the cost of depot maintenance operations across DoD by consolidation and elimination of 30 percent of duplicate overhead structures required to operate multiple depot maintenance activities. Additionally, this recommendation supports transformation of the Department's depot maintenance operations by increasing the utilization of existing capacity by up to 150 percent while maintaining capability to support future force structure. Another benefit of this recommendation includes utilization of DoD capacity to facilitate performance of interservice workload.
- This recommendation realigns and consolidates those facilities working in Weapons & Armaments (W&A) Research, Development & Acquisition, and Test and Evaluation (RDAT&E) into a Naval Integrated RDAT&E center at the Naval Air Warfare Center, China Lake, CA. Additional synergistic realignments for W&A was achieved at two receiver sites for specific focus. The Naval Surface Warfare Center, Dahlgren, VA, is a receiver specialty site for Naval surface

weapons systems integration and receives a west coast site for consolidation. This construct creates an integrated W&A RDT&E center in China Lake, CA, energetics center at Indian Head, MD, and consolidates Navy surface weapons system integration at Dahlgren, VA. All actions relocate technical facilities with lower overall quantitative Military Value (across Research, Development & Acquisition and Test & Evaluation) into the Integrated RDT&E center and other receiver sites with greater quantitative Military Value.

Consolidating the Navy's air-to-air, air-to-ground, and surface launched missile RD&A, and T&E activities at China Lake, CA, would create an efficient integrated RDT&E center. China Lake is able to accommodate with minor modification/addition both mission and lifecycle/ sustainment functions to create synergies between these traditionally independent communities.

During the other large scale movements of W&A capabilities noted above, Weapon System Integration was specifically addressed to preserve the synergies between large highly integrated control system developments (Weapon Systems Integration) and the weapon system developments themselves. A specialty site for Naval Surface Warfare was identified at Dahlgren, VA, that was unique to the services and a centroid for Navy surface ship developments. A satellite unit from the Naval Surface Warfare Center, Port Hueneme, San Diego Detachment will be relocated to Dahlgren.

The Integrated RDT&E Center at China Lake provides a diverse set of open-air range and test environments (desert, mountain, forest) for W&A RDT&E functions. Synergy will be realized in air-to-air, air-to-ground, and surface launched mission areas.

This recommendation enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical and acquisition expertise with weapons and armament Research, Development & Acquisition that currently resides at 10 locations into the one Integrated RDT&E site, one specialty site, and an energetics site.

MAIN FACILITIES REVIEWED: None, other than HQ building where meeting was held

KEY ISSUES IDENTIFIED:

There were several recommendations involving Naval Weapons Station, Seal Beach and its detachment at Concord, CA: (TECH ... , TECH,)

- The proposed closure of the Concord detachment has no mission. Participants in our meeting included xxx, who is the xxxat Concord, and who participated by

speaker phone. He told us that the base's closure and the sale of its land are strongly supported by the community. He said that there is a ready market for the approximately xxx acres that were excess. There would be some environmental costs that would be incurred in preparing the land for final disposition. The remaining xxx acres would be turned over to the Army, which will continue to use the reduced facility, including its bunkers, railhead, and dock facilities as a surge ? capacity for loading ammunition to support deployments.

- DOD's recommendation (TECH -) specified that canisters for missiles overhauled at Seal Beach should be shipped to Letterkenny to be renovated. Seal Beach personnel explained that other Seal Beach personnel overhaul the missiles which are transported in these cannisters. They emphasized that this is low-tech, intermediate-level maintenance, which consists of removing dents, polishing, tightening fasteners, etc. They explained that it would cost about \$x to ship each canister to Letterkenny and an additional \$xx to return them to Seal Beach. It costs about \$x to perform the renovation at Seal Beach. It would be impossible to perform the renovation and ship the canisters at a total cost lower than the work costs at Seal Beach. Similar work is done on East Coast missiles and their canisters at Naval Weapons Station Charleston. They provided a letter from Ms. Anne Davis of the DOD BRAC office confirming that this recommendation is in error.

INSTALLATION CONCERNS RAISED: There were no concerns other than those specified in the preceding section of this write=up.

COMMUNITY CONCERNS RAISED: There was no community meeting. See installation concerns identified during our meeting with the civilian management, described above.

REQUESTS FOR STAFF AS A RESULT OF VISIT: N/A. The staff requested that

Epstein, David, CIV, WSO-BRAC

From: Schonberger, James [jschonberger@egginc.com]
Sent: Friday, July 15, 2005 4:25 PM
To: 'lester.farrington@wso.whs.mil'; 'david.epstein@wso.whs.mil'
Cc: 'David Reece'; Mike Gentile
Subject: FALLBROOK & CRANE T&E CLARIFICATION
Attachments: T&E.doc; Picatinny clarification r1.doc

Gentlemen, we understand you have requested to see both the Fallbrook and Crane clarification issue regarding T&E for the realignment of guns and ammo to Picatinny Arsenal. Please see the attached documents.

Jim Schonberger
Business Relations Manager, EG&G Crane Operations
Naval Surface Warfare Center, Crane
Bldg 64, 300 Hwy 361
Crane, IN 47522
"Harnessing the Power of Technology for the Warfighter"
(812) 854-7077 x259
(812) 854-7152 (Fax)

BRAC Report - Create an Integrated Weapons and Armaments Specialty Site for Guns and Ammunition (Page TECH 19):

Realign Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign the Fallbrook, CA, detachment of Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Dahlgren, VA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign the Louisville, KY, detachment of Naval Surface Warfare Center Division Port Hueneme, CA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Indian Head, MD, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Earle, NJ, by relocating weapon and armament packaging Research and Development & Acquisition to Picatinny Arsenal, NJ.

Technical JCSG Analysis and Recommendations – Technical JCSG Report Vol. XII, Part IV (Page 44):

Justification: This recommendation realigns and consolidates those gun and ammunition facilities working in Weapons and Armaments (W&A) Research (R), Development & Acquisition (D&A). This realignment would result in a more robust joint center for gun and ammunition Research, Development & Acquisition at Picatinny Arsenal, NJ. This location is already the greatest concentration of military value in gun and ammunition W&A RD&A.

Picatinny Arsenal is the center-of-mass for DoD's Research, Development & Acquisition of guns and ammunition, with a workload more than an order of magnitude greater than any other DoD facility in this area. It also is home to the DoD's Single Manager for Conventional Ammunition. Movement of all the Services' guns and ammunition work to Picatinny Arsenal will create a joint center of excellence and provide synergy in armament development for the near future and beyond, featuring a Joint Packaging, Handling, Shipping and Transportation (PHS&T) Center, particularly important in this current time of high demand for guns and ammunition by all the services. Technical facilities with lower quantitative military value are relocated to Picatinny Arsenal.

This recommendation includes Research, Development & Acquisition activities in the Army and Navy. It promotes jointness, enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical, and acquisition expertise within the weapons and armament Research, Development & Acquisition community that currently resides at this DoD specialty location.

Clarification Needed on the Recommendation:

1. T&E Function and Sustainment Sub-function:

- The BRAC Recommendation in Section 2 beginning on page 19, indicates that only RD&A is associated with all 8 relocation and realignment actions. Additionally, in the “Technical Joint Cross Service Group Analyses and Recommendations (Volume XII) Part II, page 15”, it states that “Weapons specialty sites at Picatinny Arsenal, NJ (small caliber gun RDAT&E); Naval Surface Warfare Center, Dahlgren, VA (large caliber gun T&E and Ship Weapons Integration); and Indian Head, MD (energetic materials RDAT&E).” The noted exclusion of the large caliber gun T&E of Dahlgren reinforces that the BRAC Recommendation does not include T&E functions. Is this the correct intention? If so, NSWC Crane, Dahlgren, Indian Head and NSWC Det. Earle, Fallbrook and Louisville certified data for RDAT&E must be adjusted to reflect only RDA.
- On the recommendation for RDA Guns/Ammo to Picatinny appears to exclude T&E but includes Crane’s certified numbers for entire RDAT&E piece of scenarios in the people relocating numbers. Fallbrook’s function is T&E, yet it is listed as part of the move to Picatinny. The Range used is at Hawthorne which is listed as closing...”realigning storage and demil...” but it is silent on the test range.
- While not specifically mentioned in the recommendation, the COBRA data shows that personnel and equipment associated with Sustainment sub-function were deleted from the scenario [Per COBRA Input Data Report (Page 45), Footnotes for Screen Three - Indian Head to Picatinny reduced civilian position (less 3 sustainment) by 15% to 37.] If this is the intention, NSWC Crane, Dahlgren, Indian Head and NSWC Det. Earle, Fallbrook and Louisville certified data for Guns and Ammo must be adjusted to remove Guns and Ammo sustainment.

Guns and Ammunition Realignment to Picatinny

Scenario: Technical JCSG

Crane and Fallbrook scenario response TECH-0017 & TECH-0002D

COBRA scenario TECH-0018B

RECOMMENDATION

Realign Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign the Fallbrook, CA, detachment of Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

CLARIFICATION FOR RECORD

Note: The questions listed in this document pertain to both Crane and Fallbrook.

1. The scenarios (both TECH-0017 and TECH-0002D) included a Crane and Fallbrook response that specifically addressed the T&E component as part of this realignment action. However, the Technical JCSG recommendation did not address T&E. Request clarification as to the technical functions that are intended to be included within this recommendation. Is the recommendation intended to include RDA only, or is the recommendation intended to include, or exclude the T&E function?

COBRA MODEL REVIEW QUESTIONS

Page 2: The COBRA document states that "For complete, detailed footnotes, please check the Word File constructed from these reports". Where is this Word File located in the overall justification data?

Page 2: Under personnel reductions; this subgroup was allowed to use a standard reduction for all actions for government personnel of 15%. What is the rationale for applying a 15% reduction to realigned personnel?

Page 2: Additionally, a standard 15% reduction was used for contractor personnel. Contractor personnel reduced by the 15% were then used in the COBRA model indicating \$200K of annual recurring savings for each eliminated contractor. What is the rationale for applying a 15% reduction to contractor personnel, and what is the rationale and logic for applying a \$200K recurring savings to each of these eliminated contractors?

Page 2: Finally, no building or equipment decontamination costs were allowed if the activity was not closed. What is the rationale for requiring an activity that did not close to incur the full burden of decontamination costs after work is realigned to another activity?

Page 29: Indicates that both mission tons of equipment and support tons of equipment were reduced to 47 and 21 respectively. On page 46, the report indicates the reductions/deletions applied to Crane mission equipment ranging from 25% allowed to 33% allowed. Page 48 applies the same range of percentages allowed between 25% and 33% for support equipment. What is the basis of these percentages and what is the rationale for these reductions?

Page 35: Shows Crane cost/saving summary (page 38 for Fallbrook). Miscellaneous savings for Crane are listed as \$1.8M and are listed as \$1.0M for Fallbrook. How were these figures derived, and what is the rationale?

Page 45/46/48: Footnotes for screen three: Indicates that all moves and associated costs have been moved to 2008. Crane and Fallbrook submitted all data for realignment to Picatinny in 2009. What is the rationale for changing the year of realignment?

Page 51: Indicates that standard reductions, and or deletions, have been applied to Crane's one time unique costs, and to Fallbrook's one time unique costs. What is the rationale for these reductions and deletions? Deletions applied to these costs have a reference to "overhead offsets". What are overhead offsets, how were they derived, and what is the rationale for using them?

Page 53: Indicates reductions/deletions applied to Crane's one time moving costs. What is the rationale for these reductions and deletions?

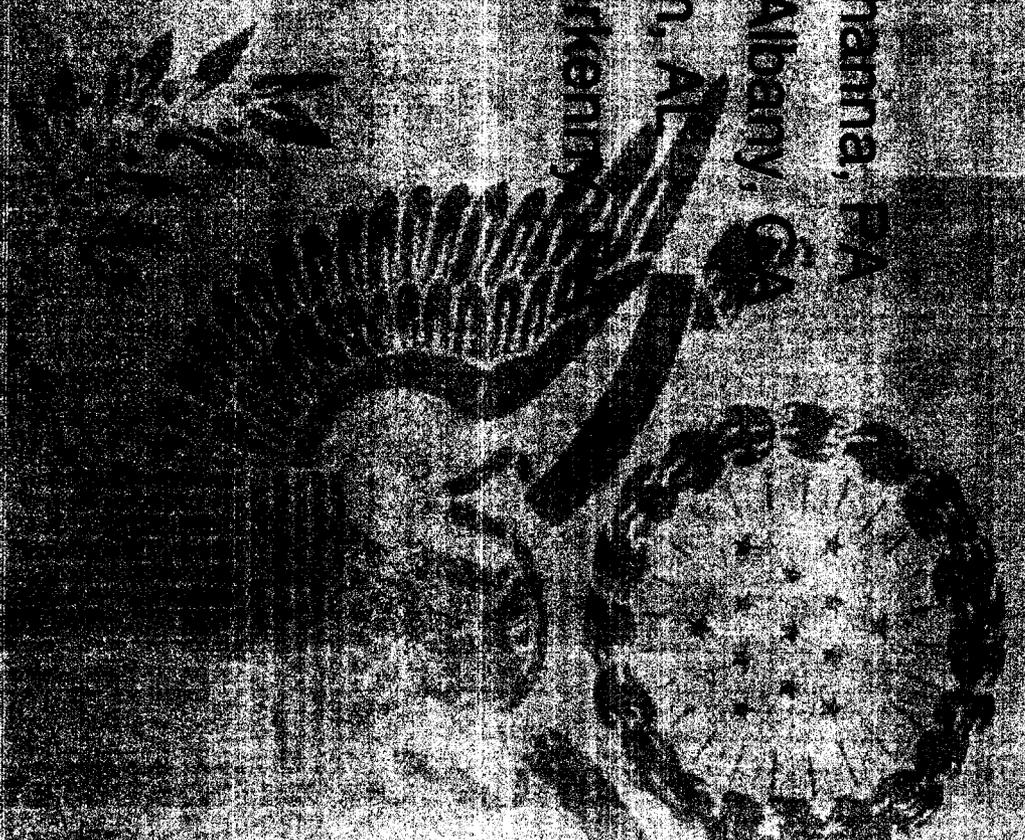
Page 56/57: Indicates reductions/deletions applied to Crane's and to Fallbrook's miscellaneous recurring costs. What is the rationale for these reductions and deletions? Deletions within this category of costs have a reference to "overhead offsets". What are overhead offsets, how were they derived, and what is the rationale for using them?



Sec. 150: Realign Naval Weapons Station Seal Beach, CA

Goals:

- Tobyhanna Army Depot, Tobyhanna, PA
- Marine Corps Logistics Base, Albany, GA
- Anniston Army Depot, Anniston, AL
- Letterkenny Army Depot, Letterkenny, PA





Sec. 150: Realign Naval Weapons Station Seal Beach, CA

**Tobyhanna
Army Depot**

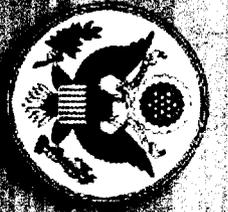
**Anniston
Army Depot, AL**

**Naval Weapons
Station Seal
Beach, CA**

**Marine Corps
Logistics Base,
Albany, GA**

**Letterkenny
Army Depot**





Sec. 150: Realign Naval Weapons Station Seal Beach, CA

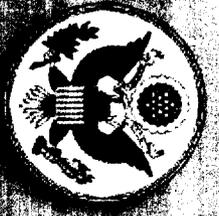
- Realigns workload at Naval Weapons Sta. Seal Beach, Seal Beach, CA;
- Moves work to four depots that perform large quantities of similar work;
- Financial impact per DOD COBRA
- NPV of savings: \$177 M
- \$4.1 M one time costs
- \$1.6 M annual recurring savings
- Payback in 1 year
- NPV of savings using incremental
- Relocates 0 military assets to CA
- Eliminates 0 military assets



Sec. 150: Realign Naval Weapons Station Seal Beach CA

1. They said that it makes no sense to ship any cross-country to Bunkerhill Army Depot. They said they can take out gems, lighten bolts, etc. Seal Beach would like they may have mistakenly reported this work as depot maintenance, but they said that when shipping costs are included it costs more to ship the containers, which come to Seal Beach via rail, than to Bunkerhill for industrial work, only to have the removal work there shipped back to Seal Beach with a unit round-trip to Seal Beach for about \$1,000 (C-1, C-4, C-5).

2. The command believes that there should be a cost analysis and expertise either at Seal Beach or in San Diego. They said they will be local support for radar and antenna work, rather than sending it to Bunkerhill. They also noted that without the support of the depot, they might be sending back parts that they would not be able to repair only to have them returned to the depot.



Sec. 150: Realign Naval Weapons Station Seal Beach, CA

1. [Illegible text]

Continuity of Mission

1. They said that it makes no sense to ship empty missile containers cross-country to Liberty Army Depot in order that they can take out dents, tighten bolts etc. Seal Beach realizes they have been drastically reduced this week as depot maintains, but they said that when shipping costs are high, it is better to ship the containers with some to Seal Beach with supplies to Liberty Army Depot, and have the forwarded containers shipped back to Seal Beach with a new round-trip transport process. They said that if it is not possible, they believe that there should be a contract with Seal Beach so that they will be able to ship for parts and other supplies. They said that they will be able to ship supplies to Seal Beach and have them shipped back to Seal Beach. They said that they will be able to ship supplies to Seal Beach and have them shipped back to Seal Beach.

Staff Comments

1. Staff agrees that it does not make sense to ship empty missile containers cross-country to Liberty Army Depot in order that they can take out dents, tighten bolts etc. Seal Beach realizes they have been drastically reduced this week as depot maintains, but they said that when shipping costs are high, it is better to ship the containers with some to Seal Beach with supplies to Liberty Army Depot, and have the forwarded containers shipped back to Seal Beach with a new round-trip transport process. They said that if it is not possible, they believe that there should be a contract with Seal Beach so that they will be able to ship for parts and other supplies. They said that they will be able to ship supplies to Seal Beach and have them shipped back to Seal Beach.



*Industrial
Seal Beach*

Supporting Information: IND0083B Seal Beach

Potential or Competing Recommendations: None

Force Structure Capabilities: This candidate recommendation supports the Services certified force structure workload and core projections provided to the subgroup. The force structure workload adjustments reviewed by this subgroup considered future and legacy systems to ensure adequate capacity was retained. There are no significant changes to projected workload or core capabilities and overall depot maintenance end strength will be adjusted as required.

Military Value Analysis Results:

Electronic Components (Non-airborne) Commodity

1. Tobyhanna Army Depot, PA, 64.23
2. MCLB Albany, GA, 51.75
3. Crane, IN, 43.14
4. *MCLB Barstow, CA, 42.63*
5. Charleston, SC, 39.87
6. **Seal Beach, CA, 31.65**
7. *Lackland AFB, TX, 13.73*

This commodity moves from Seal Beach (6th of 7) to Tobyhanna (1st of 7). The overall effect on average Military Value for this commodity is an increase from 41.00 to 49.75 for remaining activities.

Fire Control Systems & Components Commodity

1. Tobyhanna Army Depot, PA, 24.43
2. Crane, IN, 17.77
3. Anniston Army Depot, AL, 16.84
4. MCLB Albany, GA, 14.36
5. *MCLB Barstow, CA, 12.17*
6. *Red River Army Depot, TX, 11.30*
7. **Seal Beach, CA, 10.64**

This commodity moves from Seal Beach (7th of 7) to Tobyhanna (1st of 7). The overall effect on average Military Value for this commodity is an increase from 15.36 to 18.35 for remaining activities.

Material Handling Commodity

1. **Seal Beach, CA, 46.70**
2. MCLB Albany, GA, 45.11
3. *MCLB Barstow, CA, 29.43*
4. *Blue Grass Army Depot, KY, 15.36* (Directly supports munitions storage, capability moves to Munitions)

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This commodity moves from Seal Beach (1st of 4) to Albany (2nd of 4). This movement allows for the total realignment of depot maintenance work from Seal Beach. The overall effect on average Military Value for this commodity is an increase from 34.15 to 45.11 for remaining activities.

Other Components Commodity

1. Anniston Army Depot, AL, 49.07
2. MCLB Albany, GA, 39.54
3. *MCLB Barstow, CA, 35.89*
4. Robins AFB, GA, 32.77
5. **Seal Beach, CA, 25.90**

This commodity moves from Seal Beach (5th of 5) to Anniston (1st of 5). The overall effect on average Military Value for this commodity is an increase from 36.63 to 40.46 for remaining activities.

Radar Commodity

1. Crane, IN, 52.66
2. Tobyhanna Army Depot, PA, 49.73
3. *MCLB Barstow, CA, 43.32*
4. MCLB Albany, GA, 40.72
5. **Seal Beach, CA, 32.40**
6. San Diego, CA, 30.13
7. Robins AFB, GA, 16.15

This commodity moves from Seal Beach (5th of 7) to Tobyhanna (2nd of 7). The overall effect on average Military Value for this commodity is an increase from 37.87 to 37.88 for remaining activities. Originally, Military Value data showed Tobyhanna as 1st of 7 and Crane was being considered as a potential candidate for realignment. Therefore, it is the military judgment of the IJSCG that this movement of workload to Tobyhanna provides higher overall military value to the Department.

Radio Commodity

1. Tobyhanna Army Depot, PA, 68.35
2. MCLB Albany, GA, 44.89
3. San Diego, CA, 36.91
4. *MCLB Barstow, 34.05*
5. *Lackland Air Force Base, TX, 31.42*
6. **Seal Beach CA, 29.88**

This commodity moves from Seal Beach (6th of 6) to Tobyhanna (1st of 6). The overall effect on average Military Value for this commodity is an increase from 40.92 to 50.05 for remaining activities.

Tactical Missiles Commodity

1. Letterkenny Army Depot, PA, 44.16
2. Tobyhanna Army Depot, PA, 39.32
3. *Red River Army Depot, TX, 36.24*
4. *MCLB Barstow, 30.87*
5. Robins AFB, GA, 26.68
6. Hill AFB, UT, 26.30
7. **Seal Beach, CA, 26.16**
8. *Blue Grass Army Depot, KY, 2.77* (Directly supports munitions storage, capability moves to Munitions)

This commodity moves from Seal Beach (7th of 8) to Letterkenny (1st of 8). The overall effect on average Military Value for this commodity is an increase from 29.06 to 34.11 for remaining activities.

Military Judgment: This candidate recommendation supports reduction of DoD infrastructure and its associated costs.

DCN:11714

IJCSG - Depot Maintenance Capacity Analysis Report - Capacity by Site

Function	Site	Commodity Group	Total Current Capacity (dlh(k))	Total Current Usage (dlh(k))	Maximum Capacity (dlh(k))	Capacity Required to Surge (dlh(k)) (Core)	Capacity Available to Surge/Excess Capacity(dlh(k))
Depot Maintenance							
	USA	ANNISTON ARMY DEPOT					
		Fire Control Systems & Components	107.4	88.4	107.4	0.0	19.0 .. 19.0
		Other Components	915.9	777.7	915.9	0.0	138.3 .. 138.3
		Site Total	1,023.3	866.0	1,023.3	0.0	157.3 .. 157.3
	USA	BLUE GRASS ARMY DEPOT					
		Material Handling	15.3	0.0	21.6	0.0	15.3 .. 21.6
		Tactical Missiles	107.4	0.0	216.0	0.0	107.4 .. 216.0
		Site Total	122.7	0.0	237.6	0.0	122.7 .. 237.6
	USN	CO_MCLB_ALBANY_GA					
		Electronic Components (non-airborne)	15.6	25.5	44.6	0.0	-9.8 .. 19.2
		Fire Control Systems & Components	2.5	3.7	9.1	0.0	-1.3 .. 5.3
		Material Handling	23.2	0.3	23.7	22.8	0.5 .. 0.9
		Other Components	1.3	1.8	2.2	0.0	-0.4 .. 0.4
		Radar	3.0	3.9	14.3	0.0	-0.9 .. 10.4
		Radio	29.0	6.9	29.7	28.1	1.0 .. 1.6
		Site Total	74.8	42.1	123.5	50.8	-11.0 .. 37.7

IJCSG - Depot Maintenance Capacity Analysis Report - Capacity by Site

<i>Function</i>	<i>Site</i>	<i>Commodity Group</i>	<i>Total Current Capacity (dlh(k))</i>	<i>Total Current Usage (dlh(k))</i>	<i>Maximum Capacity (dlh(k))</i>	<i>Capacity Required to Surge (dlh(k)) (Core)</i>	<i>Capacity Available to Surge/Excess Capacity(dlh(k))</i>
Depot Maintenance							
	USN	CO_MCLB_BARSTOW_CA					
		Electronic Components (non-airborne)	32.6	75.0	83.0	0.0	-42.3 .. 8.1
		Fire Control Systems & Components	7.4	7.7	12.8	0.0	-0.3 .. 5.1
		Material Handling	12.6	0.6	12.6	12.6	0.0 .. 0.0
		Other Components	10.1	16.1	24.5	0.0	-6.0 .. 8.4
		Radar	153.9	84.2	153.9	153.9	0.0 .. 0.0
		Radio	3.0	2.9	3.9	0.1	0.1 .. 0.9
		Tactical Missiles	25.5	47.0	40.1	25.2	-21.6 .. -7.0
		Site Total	245.1	233.4	330.8	191.7	-70.1 .. 15.6
	USAF	HILL AFB					
		Tactical Missiles	32.0	21.7	32.0	14.0	10.3 .. 10.3
		Site Total	32.0	21.7	32.0	14.0	10.3 .. 10.3
	USAF	LACKLAND AFB					
		Electronic Components (non-airborne)	17.0	11.0	17.0	0.0	6.0 .. 6.0
		Radio	23.0	10.0	23.0	0.0	13.0 .. 13.0
		Site Total	40.0	21.0	40.0	0.0	19.0 .. 19.0

IJCSG - Depot Maintenance Capacity Analysis Report - Capacity by Site

Function	Site	Commodity Group	Total Current Capacity (dlh(k))	Total Current Usage (dlh(k))	Maximum Capacity (dlh(k))	Capacity Required to Surge (dlh(k)) (Core)	Capacity Available to Surge/Excess Capacity(dlh(k))
Depot Maintenance							
	USA	LETTERKENNY ARMY DEPOT					
		Tactical Missiles	1,040.6	1,060.3	1,387.9	776.0	-19.7 _ 327.6
		Site Total	1,040.6	1,060.3	1,387.9	776.0	-19.7 _ 327.6
	USN	NAVSURFWARCENDIV_CRANE_IN					
		Electronic Components (non-airborne)	15.8	10.0	16.4	9.3	5.8 _ 6.4
		Fire Control Systems & Components	106.9	101.0	123.3	101.3	5.6 _ 22.0
		Radar	264.3	203.5	323.2	96.0	60.8 _ 119.7
		Site Total	387.0	314.5	462.8	206.6	72.2 _ 148.0
	USN	NAVWPNSTA_SEAL_BEACH_CA					
		Electronic Components (non-airborne)	25.0	21.0	25.0	19.0	4.0 _ 4.0
		Fire Control Systems & Components	49.0	17.0	49.0	17.0	32.0 _ 32.0
		Material Handling	15.0	8.0	15.0	8.0	7.0 _ 7.0
		Other Components	14.0	5.0	14.0	5.0	9.0 _ 9.0
		Radar	61.0	43.0	61.0	37.0	18.0 _ 18.0
		Radio	6.0	5.0	6.0	5.0	1.0 _ 1.0
		Tactical Missiles	46.0	6.0	46.0	6.0	40.0 _ 40.0
		Site Total	216.0	105.0	216.0	97.0	111.0 _ 111.0

IJCSG - Depot Maintenance Capacity Analysis Report - Capacity by Site

<i>Function</i>	<i>Site</i>	<i>Commodity Group</i>	<i>Total Current Capacity (dlh(k))</i>	<i>Total Current Usage (dlh(k))</i>	<i>Maximum Capacity (dlh(k))</i>	<i>Capacity Required to Surge (dlh(k)) (Core)</i>	<i>Capacity Available to Surge/Excess Capacity(dlh(k))</i>
Depot Maintenance							
	USA	RED RIVER ARMY DEPOT					
		Fire Control Systems & Components	4.2	3.2	5.6	3.5	0.7 .. 2.1
		Tactical Missiles	93.2	189.2	119.3	200.0	-106.8 .. -80.7
		Site Total	97.3	192.4	124.9	203.5	-106.2 .. -78.6
	USAF	ROBINS AFB					
		Other Components	11.9	5.7	15.0	0.0	6.2 .. 9.3
		Radar	1.0	1.0	1.0	0.0	0.0 .. 0.0
		Tactical Missiles	21.1	16.1	25.0	13.0	5.1 .. 8.9
		Site Total	34.0	22.7	41.0	13.0	11.3 .. 18.3
	USN	SPAWARSYSCEN_CHARLESTON_SC					
		Electronic Components (non-airborne)	95.3	72.3	109.7	68.0	23.0 .. 37.3
		Site Total	95.3	72.3	109.7	68.0	23.0 .. 37.3
	USN	SPAWARSYSCEN_SAN_DIEGO_CA					
		Radar	49.7	16.5	49.7	16.5	33.2 .. 33.2
		Radio	137.4	84.7	177.9	73.5	52.7 .. 93.2
		Site Total	187.1	101.2	227.6	90.0	85.9 .. 126.4

IJCSG - Depot Maintenance Capacity Analysis Report - Capacity by Site

<i>Function</i>	<i>Site</i>	<i>Commodity Group</i>	<i>Total Current Capacity (dlh(k))</i>	<i>Total Current Usage (dlh(k))</i>	<i>Maximum Capacity (dlh(k))</i>	<i>Capacity Required to Surge (dlh(k)) (Core)</i>	<i>Capacity Available to Surge/Excess Capacity(dlh(k))</i>
Depot Maintenance							
	USA	TOBYHANNA ARMY DEPOT					
		Electronic Components (non-airborne)	698.3	547.0	1,496.6	1,354.4	-656.2 .. 142.2
		Fire Control Systems & Components	179.5	150.5	216.5	0.0	29.0 .. 66.0
		Radar	295.5	232.3	379.0	132.7	63.2 .. 146.7
		Radio	824.3	543.2	1,064.8	211.6	281.0 .. 521.5
		Tactical Missiles	167.9	87.5	184.1	50.6	80.4 .. 96.7
		Site Total	2,165.4	1,560.5	3,341.0	1,749.4	-202.5 .. 973.1

DCN:11714

DCN:11714

SEAL BEACH

Farrington, Lester, CIV, WSO-BRAC

From: AFGE2161@aol.com
Sent: Thursday, June 30, 2005 5:10 PM
To: david.epstein@wso.whs.mil; lester.farrington@wso.whs.mil
Subject: [REDACTED]
Attachments: BRAC-N-1.DOC

Attached is a position paper outlining the justification for retaining the I Level container repair work that was originally listed as being BRACed. Thank you for your assistance. Smokey Eres, Secretary/Treasurer AFGE Local 2161

6/30/2005

SUBJ: NWS SEAL BEACH CONTAINER REPAIR WORKLOAD

ENCL (1): MEMORANDUM FOR CHAIRMAN OF THE INDUSTRIAL JOINT CROSS SERVICE GROUP

ISSUE: The BRAC 2005 Detailed Recommendations Report, Vol 1: Part 2, Section 6 – Industrial Joint Cross Service Group (IND-1), recommends the workload associated with NWS Seal Beach Container Repair, identified as Tactical Missile Depot Maintenance, for realignment to Letterkenny Army Depot. The co-location of Container Repair with the ship loading, Standard Missile and Tomahawk Intermediate Maintenance Facilities, and storage areas facilitates the optimum support to the Fleet units. Transferring this workload to the East Coast will increase the Repair Turn Around Times (RTAT), add transportation costs, reduce the amount of serviceable containers and potentially impact the service provided to the Fleet. Logistical advantages are gained with Container Repair co-located with the customer base at Seal Beach.

Enclosure (1) documents the Navy's position that this workload should not be considered as a part of the Industrial Joint Cross Service Group – Depot Maintenance Capacity Analysis.

BACKGROUND: Typical maintenance products for this work center include missile containers, Vertical Launching System (VLS) canisters, VLS Gas Management components and VLS Packaging, Handling, Storage, and Transportation (PHS&T) units. Typical work processes include sandblasting, painting, welding, and latch and seal replacement, all of which is low-tech in nature. For FY05, recurring reimbursable workload funding is approximately \$389K and includes 6,000 direct labor hours.

DISCUSSION: Assuming Letterkenny Army Depot replaces Seal Beach Container Repair, a review of workload over the past 12 months shows an additional round-trip transportation cost (i.e. movement of workload from Seal Beach to Letterkenny and back to Seal Beach) of \$139K. The workload funding for FY05 is \$389K. Accordingly, overall funding would be burdened 28% by an additional transportation expense. The Container Repair per unit cost is relatively small and the added transportation cost significantly increases the per unit maintenance cost. Example: the maintenance cost for a MK 13 Canister is \$500 each, whereas the roundtrip transportation cost for one container would be \$960 (based upon full truckload shipments).

The ship loading and Standard Missile and Tomahawk Intermediate Maintenance Facilities will still require storage space for missile containers and VLS components at NWS Seal Beach in support of their operations. Therefore no sustainment or recapitalization savings will be realized for the storage portion of this function.

As referred to in enclosure (1), the work associated with Container Repair is low-tech in nature and should be characterized as intermediate level maintenance vice tactical missile depot maintenance. This workload was reported as depot in nature due to the fact that it is organizationally aligned in a division that predominately performs depot overhaul.

RECOMMENDATION: Because of the co-located customer base, additional transportation cost, and the added value Container Repair brings to Fleet units serviced by NWS Seal Beach, this function should be retained at Seal Beach. The Memorandum for Chairman of the Industrial Joint Cross Service Group dated 28 Apr 05, Enclosure (1), also supports this recommendation.



DEPARTMENT OF THE NAVY
OFFICE OF THE SECRETARY
1000 NAVY PENTAGON
WASHINGTON DC 20350-1000

29 April 05

MEMORANDUM FOR CHAIRMAN OF THE INDUSTRIAL JOINT CROSS SERVICE GROUP

Subj: CANDIDATE RECOMMENDATION FOR WEAPONS STATION SEAL BEACH, CA
IND-0083B

The Industrial Joint Cross Service Group's recommendation IND-0083B includes the realignment of approximately 6000 direct labor hours of depot maintenance work for the commodity group tactical missiles from Naval Weapons Station Seal Beach CA to Letterkenny Army Depot PA.

The certified data received from the activity describe the efforts as sanding, painting and welding on vertical launcher components, not work on the missiles themselves. The low-tech nature of the labor and the fact that the work is not performed on the missiles themselves leads us to conclude that this work should not be characterized as tactical missile depot maintenance and should not be included in the analysis.

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

A handwritten signature in cursive script, reading "Anne L. Davis".

Anne Rathmell Davis
Special Assistant to the Secretary of the
Navy for Base Realignment and Closure



OFFICE OF THE DIRECTOR OF
DEFENSE RESEARCH AND ENGINEERING
3040 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-3040

AUG 04 2005

Mr. Frank Cirillo
Director, Review and Analysis
Defense Base Realignment and Closure Commission
2521 South Clark Street, Suite 600
Arlington, VA 22202

Dear Mr. Cirillo:

This letter responds to your request for information concerning the 2005 Base Realignment and Closure recommendations. The specific request follows.

What type of work does the part of the sub-recommendation in Tech-15 "Realign Naval Weapons Station Seal Beach, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA." refer to? Based on our questions, it appears that this work 1) is done by Naval Surface Warfare Center (NSWC) Indian Head, Seal Beach detachment not Naval Weapons Station (NWS) Seal Beach; and 2) is related to calibration and other types of work much of which is performed by Naval Support Activity (NSA) Corona and that it might be less costly to do so. Furthermore, if NSA Corona were not moved, this would also avoid the need to relocate equipment and personnel to China Lake. Is this correct? If so, please provide the Cost of Base Realignment and Closure Actions (COBRA) that shows 1) the costs if this work is performed at China Lake, the intended destination and 2) NSA Corona if NSA Corona is not moved to Point Mugu. If you believe that the personnel counts for this function would differ please explain.

The referenced scenario relocates Weapons and Armaments reported work from the NSWC Indian Head, Seal Beach detachment located at NWS Seal Beach to China Lake as part of the strategy to form integrated RDAT&E centers. The work done at Seal Beach appears to be non-site specific and primarily includes efforts such as in-service engineering/surveillance for Tomahawk re-entry vehicles, procurement of general purpose engineering test equipment, and depot maintenance of Automated Test Equipment. A small portion appears to be related to calibration of test equipment. Relocation includes an efficiency factor that assumes work could be combined with existing/similar work at the receiver site. The small amount of calibration work done at Seal Beach does not appear to make it a reasonable candidate for movement to Corona.

Due to the small numbers of personnel involved, a new COBRA run that would isolate a small piece of the scenario is not recommended and is not in concert with the integrated strategy of the scenario.



Thank you for the opportunity to address your questions and concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'AS', with a long horizontal flourish extending to the right.

Alan R. Shaffer
Executive Director
Technical Joint Cross-Service Group

Farrington, Lester, CIV, WSO-BRAC

From: Epstein, David, CIV, WSO-BRAC
Sent: Saturday, June 11, 2005 9:24 AM
To: 'Bensberg, William C. CIV NAVWPNSTA N00W1C'
Cc: Farrington, Lester, CIV, WSO-BRAC
Subject: RE: NWS Seal Beach and NSWC Crane @ Fallbrook

Les(ter) Farrington 703 699-2914

From: Bensberg, William C. CIV NAVWPNSTA N00W1C [mailto:william.bensberg@navy.mil]
Sent: Friday, June 10, 2005 7:09 PM
To: Epstein, David, CIV, WSO-BRAC
Cc: Fowler, Bob W CAPT (NWS N00W/N42WA); Goddard, Monty L. CIV NAVWPNSTASEALBEACHDET N00KC; Pieper, Richard W. CIV NAVWPNSTASEALBEACHDET N00DC; Tagami, Linda E. CIV NAVWPNSTA N03WS; Rodriguez, Antonio V CIV (NSWC-SB); Allen, Craig A. CIV COMPACFLT; Norris, Jack H CIV (NWS N42WS); Rahman, Bradley D. CIV COMPACFLT N42WR; Spohr, Scott E CIV (NWS N42W2R); Hogan, William P. CDR (NWS N01W); Smith, Gregg T. CIV NAVWPNSTA N09WS; Bensberg, William C. CIV NAVWPNSTA N00W1C
Subject: RE: NWS Seal Beach and NSWC Crane @ Fallbrook

David: was on the phone when you called and got your voice mail when I called back. Per your message, I will call early Saturday and discuss the BRAC visits. I will have my cell with me (562)754-8029. You may try my home phone as well at (714)894-8067, but I may be out and about. Here is a summary of our BRAC at all sites. We will shortly be picking up NSA Corona as a detachment of Seal Beach and our CNRSW Chief of Staff desires us to be engaged with the BRAC issues at that site as well. We can discuss your tentative visits for the period 13-15 July when we talk on Saturday. Cass

We have essentially four recommendations that impact Seal Beach, its detachments and tenants. The first is the recommendation to close Inland at DET Concord. All Fire and Security forces will shift over into newly constructed facilities near the existing main gate with no loss of FTE. CAPT Fowler was up there this week for DASN Army's visit. On the "blue Topper" spreadsheet document that lists all BRAC recommendations and FTE impact, there were 71 FTE identified as impacted by closure of DET Concord. In reality, this was an error in the document. In fact, those 71 billets are associated with the second and third recommendations pertaining to the Seal Beach site. Our depot level maintenance is slated to go to various USMC and DOA installations on the East Coast (second recommendation). There are approximately 47 FTE involved with this not counting 3 manager positions that were identified to be abolished. The balance of 24 FTE are actually associated with the third recommendation which is our tenant Naval Surface Warfare Center Indian Head DET Seal Beach. The 24 FTE constitutes about 50% of the organization. The fourth recommendation pertains to our tenant at DET Fallbrook, NSWC Crane DET Fallbrook which is slated to realign with Picatinny Arsenal, NJ. This impacts about 118 FTE as identified on the "Blue Topper" although we believe the actual would be slightly less. A fifth recommendation of course is the one pertaining to what will become of NSA Corona which is recommended to close and move the functions to Point Mugu. CAPT Fowler and I drove out yesterday afternoon for DASN's visit. Issues: One issue pertaining to our depot work at Seal Beach site pertains to the transfer of our container repair work (tactical missiles) that supports ILM work on missiles here. It is not cost effective to send the work across the country and then send it back to support the operations here. Ordnance Program management desires to discuss this with you on your visit. A second issue pertains to NSCW Indian Head DET Seal Beach and the recommendation to move 50% of the organization to China Lake. The work is supported by a Cal Lab here in the other 50% that stays and would have to be relocated at China Lake. Our tenant, Mr. Rodriguez and his staff will discuss this with you during the same visit. NSWC Crane Indiana DET Fallbrook will also no doubt have issues to discuss and I am copying our DET Director, Mr. Monty Goddard for coordination purposes. I believe there are also issues at Concord and have copied our DET Director Richard Pieper.

-----Original Message-----

From: Epstein, David, CIV, WSO-BRAC [mailto:David.Epstein@wso.whs.mil]
Sent: Friday, June 10, 2005 15:42
To: Fowler, Bob W CAPT (NWS N00W/N42WA); Epstein, David, CIV, WSO-BRAC
Cc: Bensberg, William C. CIV NAVWPNSTA N00W1C
Subject: RE: NWS Seal Beach and NSWC Crane @ Fallbrook

Bob and Cass:
I tried calling Cass and this message will provide him with my email and phone number.

David
703 699-2947

From: Fowler, Bob W CAPT (NWS N00W/N42WA) [mailto:Bob.Fowler@navy.mil]
Sent: Friday, June 10, 2005 5:59 PM
To: Epstein, David, CIV, WSO-BRAC
Cc: Bensberg, William C. CIV NAVWPNSTA N00W1C
Subject: RE: NWS Seal Beach and NSWC Crane @ Fallbrook

David Mr Cass Bensberg is my BRAC coordinator.....562-626-7393, (c) 562-754-8029.....r/Bob F.

CAPT Bob Fowler
CO NWS Seal Bch/PD Ordnance/Explosives Safety CNRSW
562-626-7901 (C) 562-972-9825
e-mail bob.fowler@navy.mil

-----Original Message-----

From: Epstein, David, CIV, WSO-BRAC [mailto:David.Epstein@wso.whs.mil]
Sent: Friday, June 10, 2005 14:48
To: Fowler, Bob W CAPT (NWS N00W/N42WA)
Subject: NWS Seal Beach and NSWC Crane @ Fallbrook

CAPT Fowler:

As I explained in my phone message, I am the lead analyst on the BRAC Commission looking at both Seal Beach and Fallbrook (BTW, I was also the lead analyst for NSWC Crane.). Les Farrington is the backup analyst. He and I will be at the tail end of a trip with visits to China Lake, Corona, and Ventura County (as well as yours)..

Because the magnitude of the job loss at these two activities is relatively small, there will be no commissioner visit. However, I plan to make a short base visit on July 12, 13, or 14 to both bases.

I would expect that this may be of limited interest to you if you are the Naval Installations Director, rather than the Commander of the tenant activities. Please give me a call and let me know where you fit in and if there are others involved, please send me the commercial phone number, email and names of the appropriate personnel.

I will be here for another hour, and here again tomorrow morning (east coast time). However, after that, I will be out of the office until the morning of June 23.

I look forward to hearing from you and meeting you. The date of my visit will be firmed up by the time I return to the office.

David

703 699-2947

*Recommendations affecting
Seal Beach*

Recommendations and Justifications

Naval Weapons Station Seal Beach, CA

Recommendation: Realign Naval Weapons Station Seal Beach, CA, as follows: relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, Radar, and Radio to Tobyhanna Army Depot, PA; relocate the depot maintenance of Material Handling to Marine Corps Logistics Base Albany, GA; relocate the depot maintenance of Other Components to Anniston Army Depot, AL; and relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA.

Justification: This recommendation supports depot maintenance function elimination at Naval Weapons Station Seal Beach and follows the strategy of minimizing sites using maximum capacity at 1.5 shifts. This recommendation eliminates over 243,000 square feet of depot maintenance production space with annual facility sustainment and recapitalization savings of \$1.1M. Required capacity to support workloads and Core requirements for the Department of Defense (DoD) is relocated to other DoD Centers of Industrial and Technical Excellence, thereby increasing the military value of depot maintenance performed at these sites. This recommendation decreases the cost of depot maintenance operations across DoD by consolidation and elimination of 30 percent of duplicate overhead structures required to operate multiple depot maintenance activities. Additionally, this recommendation supports transformation of the Department's depot maintenance operations by increasing the utilization of existing capacity by up to 150 percent while maintaining capability to support future force structure. Another benefit of this recommendation includes utilization of DoD capacity to facilitate performance of interservice workload.

*118,000
sq ft is
containers
repair*

Payback: The total estimated one time cost to the Department of Defense to implement this recommendation is \$4.1M. The net of all costs and savings to the Department during implementation period is a savings \$2.3M. Annual recurring savings to the Department after implementation are \$1.6M with payback expected in 1 year. The net present value of the costs and savings to the Department over 20 years is a savings of \$17.7M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 85 jobs (47 direct jobs and 38 indirect jobs) over the 2006-2011 period in the Santa Ana-Anaheim-Irvine, CA Metropolitan Division, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at MCLB Albany, and Tobyhanna AD; and an expected impact at Letterkenny AD. This recommendation has a possible impact on historic properties at MCLB Albany. This recommendation has the potential to impact threatened and endangered species or critical habitat at MCLB Albany and Anniston AD. Anniston AD may require additional mitigation and pollution prevention measures with increased depot maintenance activities. Anniston may also require upgrades to its industrial wastewater treatment plant due to increased depot maintenance activities. This recommendation has no impact on dredging; land use constraints or sensitive resource areas; or marine mammals, marine resources, or marine sanctuaries; noise; waste management; or wetlands. This recommendation will require spending approximately \$0.1M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, or environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Riverbank Army Ammunition Plant, CA

Recommendation: Close Riverbank Army Ammunition Plant, CA. Relocate the artillery cartridge case metal parts functions to Rock Island Arsenal, IL.

Justification: There are 4 sites within the Industrial Base producing Metal Parts. To remove excess from the Industrial Base, the closure allows DoD to generate efficiencies and nurture partnership with multiple sources in the private sector.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$25.2M. The net of all costs and savings to the Department during the implementation period is a cost of \$10.4M. Annual recurring savings to the Department after implementation are \$6.5M with a payback expected within 3 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$53.3M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 106 jobs (89 direct jobs and 17 indirect jobs) over the 2006 – 2011 period in the Modesto, CA Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at Rock Island Arsenal. A new Source Review will be needed for new construction and the added operations will require an Air Conformity analysis to determine the impact. Continued

**Create a Naval Integrated Weapons & Armaments
Research, Development & Acquisition, Test & Evaluation Center**

Recommendation: Realign Naval Surface Warfare Center Crane, IN, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except gun/ammo, combat system security, and energetic materials to Naval Air Weapons Station China Lake, CA.

Realign Naval Surface Warfare Center Indian Head, MD, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except gun/ammo, underwater weapons, and energetic materials, to Naval Air Weapons Station China Lake, CA.

Realign Naval Air Station Patuxent River, MD, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except the Program Executive Office and Program Management Offices in Naval Air Systems Command, to Naval Air Weapons Station China Lake, CA.

Realign Naval Base Ventura County, Point Mugu, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation to Naval Air Weapons Station China Lake, CA.

NSWC IN HD DET SB
Realign Naval Weapons Station Seal Beach, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except underwater weapons and energetic materials, to Naval Air Weapons Station China Lake, CA.

Realign Naval Surface Warfare Center, Yorktown, VA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation to Naval Surface Warfare Center Indian Head, MD.

Realign Naval Base Ventura County, Port Hueneme, CA, by relocating all Weapons and Armaments Research, Development & Acquisition, and Test & Evaluation, except weapon system integration, to Naval Air Weapons Station China Lake, CA.

Realign Fleet Combat Training Center, CA (Port Hueneme Detachment, San Diego, CA), by relocating all Weapons and Armaments weapon system integration Research, Development & Acquisition, and Test & Evaluation to Naval Surface Warfare Center Dahlgren, VA.

Realign Naval Surface Warfare Center Dahlgren, VA, by relocating all Weapons & Armaments Research, Development & Acquisition, and Test & Evaluation, except guns/ammo and weapon systems integration to Naval Air Weapons Station China Lake, CA.

Justification: This recommendation realigns and consolidates those facilities working in Weapons & Armaments (W&A) Research, Development & Acquisition, and Test and Evaluation (RDAT&E) into a Naval Integrated RDAT&E center at the Naval Air Warfare Center, China Lake, CA. Additional synergistic realignments for W&A was achieved at two receiver sites for specific focus. The Naval Surface Warfare Center, Dahlgren, VA, is a receiver specialty site for

Naval surface weapons systems integration and receives a west coast site for consolidation. This construct creates an integrated W&A RDAT&E center in China Lake, CA, energetics center at Indian Head, MD, and consolidates Navy surface weapons system integration at Dahlgren, VA. All actions relocate technical facilities with lower overall quantitative Military Value (across Research, Development & Acquisition and Test & Evaluation) into the Integrated RDAT&E center and other receiver sites with greater quantitative Military Value.

Consolidating the Navy's air-to-air, air-to-ground, and surface launched missile RD&A, and T&E activities at China Lake, CA, would create an efficient integrated RDAT&E center. China Lake is able to accommodate with minor modification/addition both mission and life-cycle/sustainment functions to create synergies between these traditionally independent communities.

During the other large scale movements of W&A capabilities noted above, Weapon System Integration was specifically addressed to preserve the synergies between large highly integrated control system developments (Weapon Systems Integration) and the weapon system developments themselves. A specialty site for Naval Surface Warfare was identified at Dahlgren, VA, that was unique to the services and a centroid for Navy surface ship developments. A satellite unit from the Naval Surface Warfare Center, Port Hueneme, San Diego Detachment will be relocated to Dahlgren.

The Integrated RDAT&E Center at China Lake provides a diverse set of open-air range and test environments (desert, mountain, forest) for W&A RDAT&E functions. Synergy will be realized in air-to-air, air-to-ground, and surface launched mission areas.

This recommendation enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical and acquisition expertise with weapons and armament Research, Development & Acquisition that currently resides at 10 locations into the one Integrated RDAT&E site, one specialty site, and an energetics site.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$358.1M. The net of all costs and savings to the Department during the implementation period is a cost of \$148.7M. Annual recurring savings to the Department after implementation are \$59.7M with a payback expected in 7 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$433.4M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 375 jobs (258 direct jobs and 117 indirect jobs) over the 2006-2011 period in the Martin County, IN, economic area, which is 4.4 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 543 jobs (258 direct jobs and 285 indirect jobs) over the 2006-2011 period in the Lexington Park, MD, Micropolitan Statistical Area, which is 1.0 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 5,012 jobs (2,250 direct jobs and 2,762 indirect jobs) over the 2006-2011 period in the Oxnard-Thousand Oaks-Ventura, CA, Metropolitan Statistical Area, which is 1.2 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 97 jobs (47 direct jobs and 50 indirect jobs) over the 2006-2011 period in the San Diego-Carlsbad-San Marcos, CA, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 76 jobs (45 direct jobs and 31 indirect jobs) over the 2006-2011 period in the Santa Ana-Anaheim-Irvine, CA, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 142 jobs (61 direct jobs and 81 indirect jobs) over the 2006-2011 period in the Virginia Beach-Norfolk-Newport News, VA-NC, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 91 jobs (52 direct jobs and 39 indirect jobs) over the 2006-2011 period in the Washington-Arlington-Alexandria, DC-VA-MD-WV, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 333 jobs (155 direct jobs and 178 indirect jobs) over the 2006-2011 period in the King George County, VA, economic area, which is 2.4 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has the potential to impact air quality at Indian Head and China Lake. Archeological and historical sites exist on NSWC Dahlgren, which may impact current construction and operations. This recommendation has the potential to impact land use constraints or sensitive resource areas at Indian Head and China Lake. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require spending approximately \$0.2M for waste management activities and \$1.1M for environmental compliance activities. These costs were included in the payback calculation. This recommendation does not otherwise impact the costs

space, and by virtue of the fact that Eglin AFB can absorb the DTRA NCR (and Hill AFB) functions without the need for MILCON.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$2.7M. The net of all costs and savings to the Department during the implementation period is a savings of \$4.9M. Annual recurring savings to the Department after implementation are \$1.4M with payback expected in 2 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$17.9M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 64 jobs (33 direct jobs and 31 indirect jobs) over the 2006-2011 period in the Ogden-Clearfield, UT, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 114 jobs (67 direct and 47 indirect jobs) over the 2006-2011 period in the Washington-Arlington-Alexandria, DC-VA-MD-WV, Metropolitan Division, which is less than 0.1 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Additional operations may impact archeological sites at Eglin AFB and restrict operations. Additional operations may compound the need for explosive safety waivers at Eglin AFB. Additional operations may further impact threatened and endangered species and/or critical habitats at Eglin AFB. Modification of Eglin AFB's treatment works may be necessary. This recommendation may impact wetlands at Eglin AFB. This recommendation has no impact on air quality; dredging; marine mammals, resources, or sanctuaries; noise; or water resources. This recommendation will require spending approximately less than \$0.05M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Create an Integrated Weapons & Armaments Specialty Site for Guns and Ammunition

Recommendation: Realign the Adelphi Laboratory Center, MD, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

~~Realign the Fallbrook, CA, detachment of Naval Surface Warfare Center Division Crane, IN, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.~~

Realign Naval Surface Warfare Center Division Dahlgren, VA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign the Louisville, KY, detachment of Naval Surface Warfare Center Division Port Hueneme, CA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Air Warfare Center Weapons Division China Lake, CA, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Indian Head, MD, by relocating gun and ammunition Research and Development & Acquisition to Picatinny Arsenal, NJ.

Realign Naval Surface Warfare Center Division Earle, NJ, by relocating weapon and armament packaging Research and Development & Acquisition to Picatinny Arsenal, NJ.

Justification: This recommendation realigns and consolidates those gun and ammunition facilities working in Weapons and Armaments (W&A) Research (R), Development & Acquisition (D&A). This realignment would result in a more robust joint center for gun and ammunition Research, Development & Acquisition at Picatinny Arsenal, NJ. This location is already the greatest concentration of military value in gun and ammunition W&A RD&A.

Picatinny Arsenal is the center-of-mass for DoD's Research, Development & Acquisition of guns and ammunition, with a workload more than an order of magnitude greater than any other DoD facility in this area. It also is home to the DoD's Single Manager for Conventional Ammunition. Movement of all the Services' guns and ammunition work to Picatinny Arsenal will create a joint center of excellence and provide synergy in armament development for the near future and beyond, featuring a Joint Packaging, Handling, Shipping and Transportation (PHS&T) Center, particularly important in this current time of high demand for guns and ammunition by all the services. Technical facilities with lower quantitative military value are relocated to Picatinny Arsenal.

This recommendation includes Research, Development & Acquisition activities in the Army and Navy. It promotes jointness, enables technical synergy, and positions the Department of Defense to exploit center-of-mass scientific, technical, and acquisition expertise within the weapons and armament Research, Development & Acquisition community that currently resides at this DoD specialty location.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$116.3M. The net of all costs and savings to the Department during the implementation period is cost of \$81.2M. Annual recurring savings to the Department after implementation are \$11.3M with a payback expected in 13 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$32.6M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 11 jobs (5 direct jobs and 6 indirect jobs) over the 2006-2011 period in Bakersfield, CA, Metropolitan Statistical Area which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 83 jobs (43 direct jobs and 40 indirect jobs) over the 2006-2011 period in the Bethesda-Frederick-Gaithersburg, MD, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 421 jobs (289 direct jobs and 132 indirect jobs) over the 2006-2011 period in Martin County, IN, economic area, which is 4.9 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 126 jobs (67 direct jobs and 59 indirect jobs) over the 2006-2011 periods in the Edison, NJ, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 506 jobs (296 direct jobs and 210 indirect jobs) over the 2006-2011 periods in the Louisville, KY-IN, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 302 jobs (146 direct jobs and 156 indirect jobs) over the 2006-2011 periods in the San Diego-Carlsbad-San Marcos, CA, Metropolitan Statistical Area, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 76 jobs (43 direct jobs and 33 indirect jobs) over the 2006-2011 periods in the Washington-Arlington-Alexandria, DC-VA-MD-WV, Metropolitan Division, which is less than 0.1 percent of economic area employment.

Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 202 jobs (93 direct jobs and 109 indirect jobs) over the 2006-2011 periods in the King George County, VA, economic area, which is 1.4 percent of economic area employment.

The aggregate economic impact of all recommended actions on these economic regions of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation is expected to impact air quality at Picatinny, which is in severe non-attainment for Ozone. This recommendation may have a minimal effect on cultural resources at Picatinny. Additional operations may further impact threatened/endangered species at Picatinny, leading to additional restrictions on training or operations. This recommendation has no impact on dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; waste management; or wetlands. This recommendation will require spending approximately \$0.3M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Defense Research Service Led Laboratories

Recommendation: Close the Air Force Research Laboratory, Mesa City, AZ. Relocate all functions to Wright Patterson Air Force Base, OH.

Realign Air Force Research Laboratory, Hanscom, MA, by relocating the Sensors Directorate to Wright Patterson Air Force Base, OH, and the Space Vehicles Directorate to Kirtland Air Force Base, NM.

Realign Rome Laboratory, NY, by relocating the Sensor Directorate to Wright Patterson Air Force Base, OH, and consolidating it with the Air Force Research Laboratory, Sensor Directorate at Wright Patterson Air Force Base, OH.

Realign Air Force Research Laboratory, Wright Patterson Air Force Base, OH, by relocating the Information Systems Directorate to Hanscom Air Force Base, MA.

Realign Army Research Laboratory Langley, VA, and Army Research Laboratory Glenn, OH, by relocating the Vehicle Technology Directorates to Aberdeen Proving Ground, MD.

Realign the Army Research Laboratory White Sands Missile Range, NM, by relocating all Army Research Laboratory activities except the minimum detachment required to maintain the Test and Evaluation functions at White Sands Missile Range, NM, to Aberdeen Proving Ground, MD.

Justification: This recommendation realigns and consolidates portions of the Air Force and Army Research Laboratories to provide greater synergy across technical disciplines and functions. It does this by consolidating geographically separate units of the Air Force and Army Research Laboratories.

aggregate environmental impact of all recommended BRAC actions affecting the installations in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Recommendation for Closure

Naval Weapons Station Seal Beach Detachment, Concord, CA

Recommendation: Close the Inland area of Naval Weapons Station Seal Beach Detachment, Concord CA, except retain such property and facilities as are necessary to support operations in the Tidal area of Naval Weapons Station Seal Beach Detachment Concord. The Tidal area of Naval Weapons Station Seal Beach Detachment Concord, along with the retained portion of the Inland area, shall be transferred to the Army.

Justification: While Department of the Navy weapons stations have no excess capacity for loading and distribution of munitions, there is an excess of munitions storage capacity. Because of the departure of Fleet units from the San Francisco area in the 1990s, Naval Weapons Station Seal Beach Detachment Concord's Inland magazine field has been in a reduced operating status since 1999. At that time, the Inland area was retained in an effort to minimize risk should a future need develop to expand storage capacity. The Explosive Safety Quantity Distance arcs in the Inland area were available to allow safe, temporary holding of railcars with munitions destined for loading by the Army-managed Marine Ocean Terminal Concord (at the Tidal area) during high tempo operations. After consultation with Combatant Commanders, the Army Material Command and the Army component of the U.S. Transportation Command, the Department of the Navy has concluded this capability is no longer necessary. The Inland area is excess to Department of the Navy/DoD needs and is severable. The closure of the Inland area, therefore, will save money and have no impact on mission capability.

The City of Concord requested closure of both the Inland and Tidal portions of Naval Weapons Station Seal Beach Detachment Concord. Munitions loading requirements preclude closing the Tidal area but the Inland area is excess and may be closed. Because Tidal area operations are in support of the Army component of the U.S. Transportation Command, transfer of the property to the Army aligns the property holder with the property user.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$14.0M. The net of all costs and savings to the Department during the implementation period is a savings of \$43.2M. Annual recurring savings to the Department after implementation are \$16.4M with a payback expected in one year. The net present value of the costs and savings to the Department over 20 years is a savings of \$199.7M.

Economic Impact on Communities: This recommendation will not result in any job reductions (direct or indirect) over the 2006-2011 period in the Oakland-Fremont-Hayward, CA, Metropolitan Division economic area. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Naval Weapons Station Seal Beach Detachment Concord, CA, is in Extreme Non-attainment for Ozone (1-Hour) but no Air Conformity Determination will be required. There are potential impacts for cultural, archeological, or tribal resources; threatened and endangered species or critical habitat; and wetlands that may impact new construction. No impacts are anticipated for dredging, land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; waste management or water resources. This recommendation indicates impacts of costs at the installation involved, which indicated \$0.3M in costs for waste management and environmental compliance. These costs were included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, or environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the installations in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Recommendation for Closure Submarine Base New London, CT

Recommendation: Close Naval Submarine Base New London, CT. Relocate its assigned submarines, Auxiliary Repair Dock 4 (ARDM-4), and Nuclear Research Submarine 1 (NR-1) along with their dedicated personnel, equipment and support to Submarine Base Kings Bay, GA, and Naval Station Norfolk, VA. Relocate the intermediate submarine repair function to Shore Intermediate Repair Activity Norfolk, at Naval Shipyard Norfolk, VA, and Trident Refit Facility Kings Bay, GA. Relocate the Naval Submarine School and Center for Submarine Learning to Submarine Base Kings Bay, GA. Consolidate the Naval Security Group Activity Groton, CT with Naval Security Group Activity Norfolk, VA at Naval Station Norfolk, VA. Consolidate Naval Submarine Medical Research Laboratory Groton, CT, with Naval Medical Research Center at Walter Reed Army Medical Center Forest Glenn Annex, MD. Relocate Naval Undersea Medical Institute Groton, CT to Naval Air Station Pensacola, FL, and Fort Sam Houston, TX. Consolidate Navy Region Northeast, New London, CT, with Navy Region, Mid-Atlantic, Norfolk, VA.

Justification: The existing berthing capacity at surface/subsurface installations exceeds the capacity required to support the Force Structure Plan. The closure of Submarine Base New London materially contributes to the maximum reduction of excess capacity while increasing the average military value of the remaining bases in this functional area. Sufficient capacity and fleet dispersal is maintained with the East Coast submarine fleet homeports of Naval Station Norfolk and Submarine Base Kings Bay, without affecting operational capability. The intermediate submarine repair function is relocated to Shore Intermediate Maintenance Activity Norfolk at Norfolk Naval Shipyard, and the Trident Refit Facility Kings Bay, GA, in support of the relocating submarines. Consolidating the Naval Submarine Medical Research Laboratory

Area, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Marine Corps Logistics Base Albany, GA, is in Attainment although Title V permit modifications will be required. There are potential impacts to cultural, archeological, or tribal resources; threatened and endangered species or critical habitat; waste management; and wetlands. Anniston Army Depot, AL, is in Attainment. There are impacts anticipated for threatened and endangered species or critical habitat. Letterkenny Army Depot, PA is in Marginal Non-attainment for Ozone (1-Hour and 8-Hour) and an Air Conformity determination is required. Tobyhanna Army Depot, PA, is in Moderate Non-attainment for Ozone (1-Hour) and an Air Conformity determination is required. No impacts are anticipated for the remaining resource areas of dredging; land use constraints or sensitive resource areas; marine mammals, resources or sanctuaries; noise; or water resources. This recommendation indicates impacts of costs at the installations, which report \$0.9M in costs for waste management and environmental compliance. These costs were included in payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management or environmental compliance activities. The aggregate environmental impacts of all the recommended BRAC actions affecting the installations in this recommendation have been reviewed. There are no known environmental impediments to implementation of this recommendation.

Recommendation for Closure

Naval Support Activity Corona, CA

Recommendation: Close Naval Support Activity Corona, CA. Relocate Naval Surface Warfare Center Division Corona, CA to Naval Base Ventura County (Naval Air Station Point Mugu), CA.

Justification: The Naval Surface Warfare Center Division Corona performs three required missions for Department of the Navy (Independent Assessment Capability, Metrology and Calibration Laboratories, and Tactical Aircrew Combat Training System Ranges). It was analyzed under 11 Research, Development & Acquisition, and Test & Evaluation functions (Air Platforms Development & Acquisition; Air Platforms Test & Evaluation; Ground Vehicles Test and Evaluation; Information Systems Technology Development & Acquisition; Information Systems Technology Test & Evaluation; Sea Vehicles Development & Acquisition; Sea Vehicles Test & Evaluation; Sensors, Electronics, and Electronic Warfare Development & Acquisition; Sensors, Electronics, and Electronic Warfare Test & Evaluation; Weapons Technology Development & Acquisition; and Weapons Technology Test & Evaluation). In each functional area, Naval Surface Warfare Center Division Corona's quantitative military value scores fell in

the bottom half of facilities performing the same function, and thus were reviewed for relocation and/or consolidation with like functions. The Department of the Navy determined it would lose a critical capability if the 11 functions were relocated to a variety of locations, since this would fracture the full spectrum warfare center and independent assessment capability. Considering the overall military value and the fact that Naval Support Activity Corona was a single function facility, the Department reviewed the possibility of relocating the Naval Surface Warfare Center functions to a multi-functional location with the capability to host these functions. Relocation of Naval Surface Warfare Center Division Corona to Naval Air Station Point Mugu collocates it with other Research, Development & Acquisition, and Test & Evaluation activities and with fleet assets at Naval Air Station Point Mugu. This consolidation of space will provide a more efficient organization with greater synergies and increased effectiveness.

Relocation of Naval Surface Warfare Center Division Corona Research, Development & Acquisition, and Test & Evaluation functions to Naval Air Station Point Mugu removes the primary mission from Naval Support Activity Corona and eliminates or moves the entirety of the workforce at Naval Support Activity Corona except for those personnel associated with the base operations support function. As a result, retention of Naval Support Activity Corona is no longer necessary.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$80.2M. The net of all costs and savings to the Department during the implementation period is a cost of \$65.5M. Annual recurring savings to the Department after implementation are \$6.0M with a payback expected in 15 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$0.4M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 1,796 jobs (892 direct jobs and 904 indirect jobs) over the 2006-2011 period in the Riverside-San Bernardino-Ontario, CA, Metropolitan Statistical Area, which is 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: Naval Air Station Point Mugu, CA, is in Severe Non-attainment for Ozone (1-Hour) but no Air Conformity Determination will be required. There are potential impacts for cultural, archeological, or tribal resources; threatened and endangered species; waste management and wetlands. No impacts are anticipated for dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise or water resources. This recommendation indicates impacts of costs at the installations involved, which reported \$410 thousand in costs for waste management and environmental compliance. These costs were included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management or environmental compliance activities. The