

**DEFENSE BASE CLOSURE
AND REALIGNMENT
COMMISSION**



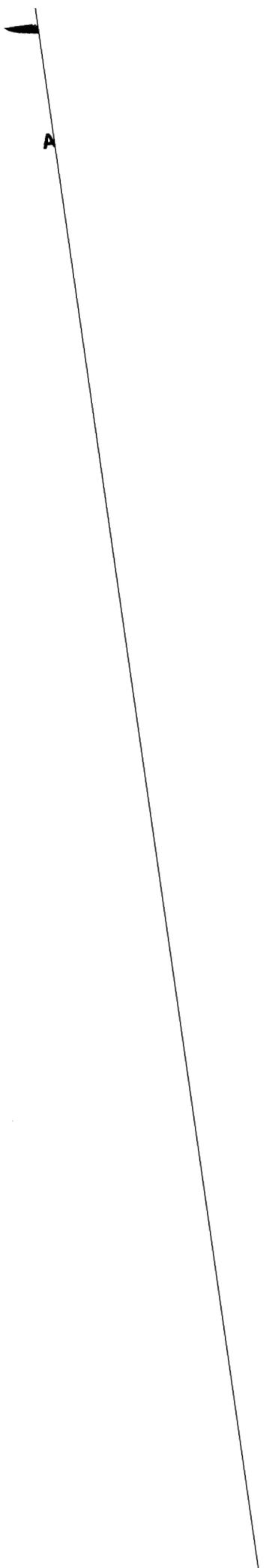
FINAL DELIBERATIONS

JUNE 22-24, 1995

**ROOM 216
HART SENATE OFFICE BUILDING
WASHINGTON, D.C.**



CROSS SERVICE TEAM



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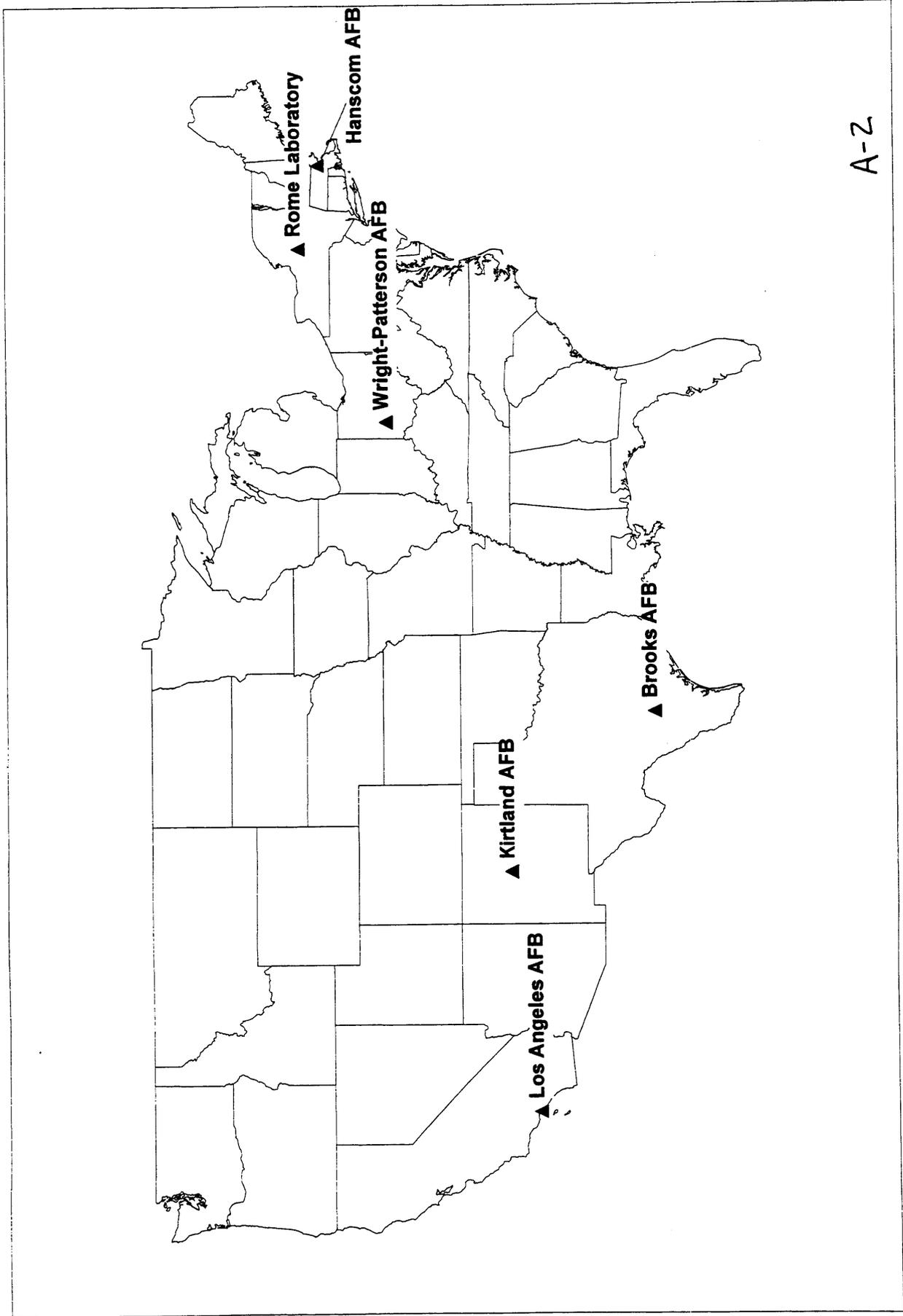


AIR FORCE PRODUCT CENTERS AND LABORATORIES

INSTALLATION	TIER
HANSCOM AFB	I
ROME LABORATORY	I
WRIGHT-PATTERSON AFB	I
KIRTLAND AFB	II
LOS ANGELES AFB	II
BROOKS AFB	II

Shaded categories have installations DoD has recommended for closure or realignment.

Air Force Product Centers and Laboratories



**BASE ANALYSIS
ROME LABORATORY (GRIFFISS AFB), NY**

DOD RECOMMENDATION: CLOSE ROME LABORATORY, NY AND RELOCATE ITS ACTIVITIES TO FORT MONMOUTH, NJ AND HANSCOM AFB, MA.

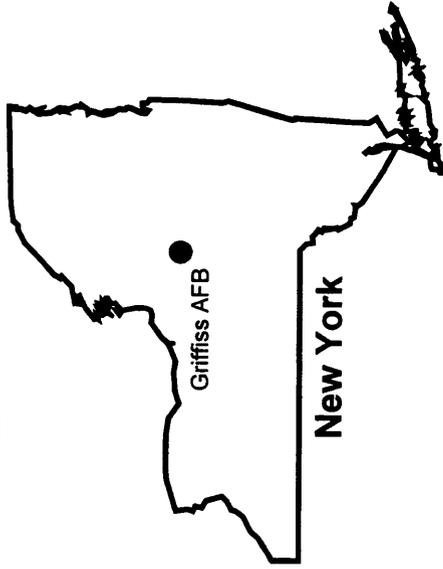
CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	TIER I
FORCE STRUCTURE	NO IMPACT
ONE-TIME COSTS (\$ M)	79.2
ANNUAL SAVINGS (\$ M)	13
RETURN ON INVESTMENT	2004 (6 YEARS)
NET PRESENT VALUE (COST) (\$M)	102.5
BASE OPERATING BUDGET (\$ M)	12
PERSONNEL ELIMINATED (MIL / CIV)	0/93
PERSONNEL REALIGNED (MIL / CIV)	10/726
ECONOMIC IMPACT (BRAC 95 / CUM)	-1.40/-6.60
ENVIRONMENTAL	NO IMPACT

Rome Laboratory - DoD Proposed Relocation

Current Directorates at Griffiss AFB

Intelligence & Reconnaissance
Command, Control, & Communications
Electromagnetics & Reliability
Surveillance & Photonics
Total of 955 Positions

Proposed Rome Laboratory Griffiss AFB



Test Sites and Mod & Fab Facility Proposed Activities

Electromagnetics & Reliability
Total of 65 Positions

Proposed Activities

Surveillance
Intelligence
Reconnaissance Software
Technology
Advanced C-2 Concepts
Space Communications
Total of 500 Positions

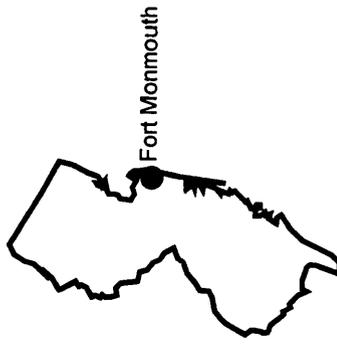
Rome Laboratory Hanscom AFB



Proposed Activities

Photonics
Electromagnetics & Reliability
Computer Systems
Radio Communication Networks
Communication Networks
Total of 236 Positions

Rome Laboratory Fort Monmouth



New Jersey

**ISSUES REVIEWED
ROME LABORATORY (GRIFFISS AFB), NY**

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST EFFECTIVENESS: ONE-TIME COST ANNUAL SAVINGS RETURN ON INVESTMENT	<ul style="list-style-type: none"> • \$79.2M • \$13.0M • 2004 (6 YEARS) 	<ul style="list-style-type: none"> • \$103.4M • 1.2M • 100 PLUS YEARS 	<ul style="list-style-type: none"> • \$90.3M • 8.3M • 2013 (13 YEARS)
SPACE AVAILABILITY	<ul style="list-style-type: none"> • Renovate laboratory space no new MILCON required 	<ul style="list-style-type: none"> • Renovation and new MILCON required 	<ul style="list-style-type: none"> • Additional MILCON required
CROSS-SERVICING	<ul style="list-style-type: none"> • Will increase C3I cross-servicing 	<ul style="list-style-type: none"> • Breaks up team-will reduce cross-servicing 	<ul style="list-style-type: none"> • No increase likely • Intelligence agency: "causes serious concern about ongoing work and planning for future work"
MISSION EFFECTIVENESS	<ul style="list-style-type: none"> • Some loss but will return later 	<ul style="list-style-type: none"> • Key personnel will not move-lab will never be the same 	<ul style="list-style-type: none"> • High probability that team expertise will be seriously degraded
COMMUNITY REUSE PLAN FOR GRIFFISS AFB	<ul style="list-style-type: none"> • Air force no longer committed to reuse plan, things change 	<ul style="list-style-type: none"> • Broken promise limits redevelopment 	<ul style="list-style-type: none"> • Will effect reuse plan

BASE ANALYSIS
ROME LABORATORY (GRIFFISS AFB), NY

DOD RECOMMENDATION: Close Rome Laboratory, NY and Relocate Its Activities to Fort Monmouth, NJ and Hanscom AFB, MA..

CRITERIA	DOD RECOMMENDATION	R&A STAFF ANALYSIS	
AIR FORCE TIERING	I	N/A	
FORCE STRUCTURE	NO IMPACT	NO IMPACT	
ONE-TIME COSTS (\$ M)	79.2	103.8	83.7
ANNUAL SAVINGS (\$ M)	13	5.9	
RETURN ON INVESTMENT	2004 (6 YEARS)	2025 (25 YEARS)	2019 (19 YEARS)
NET PRESENT VALUE (COST) (\$ M)	102.5	(29.7)	(10.8)
BASE OPERATING BUDGET (\$ M)	12	9.8	
PERSONNEL ELIMINATED (MIL/CIV)	0/93	0/18	
PERSONNEL REALIGNED (MIL/CIV)	10/726	10/901	
ECONOMIC IMPACT (BRAC 95/CUM)	-1.40/-6.60	N/A	
ENVIRONMENTAL	NO IMPACT	NO IMPACT	

**SCENARIO SUMMARY
ROME LABORATORY (GRIFFISS AFB), NY**

DOD RECOMMENDATION	
CLOSE ROME LAB, NY AND RELOCATE ITS ACTIVITIES TO FT. MONMOUTH, NJ AND HANSCOM AFB, MA.	
One Time Costs (\$M): 79.2 Annual Savings (\$M): 13 Return on Investment: 2004 (6 YEARS) Net Present Value (\$M): 102.5	
PRO	CON
<p>CONSOLIDATES INFRASTRUCTURE</p> <p>ELIMINATES SOME EXCESS LAB SPACE</p>	<p>SIGNIFICANT ONE-TIME COST</p> <p>LONG-TERM RETURN ON INVESTMENT</p> <p>DELAYS IMPORTANT PROGRAMS</p> <p>PROVEN TEAM WILL BE SEPARATED</p>

The following is an excerpt from Secretary Perry's June 9, 1995 Memorandum to Chairman Dixon:

“After reviewing the results of the site survey, it is my judgment that the recommendation for the realignment of Kirtland AFB no longer represents a financially or operationally sound scenario. I ask that you take these matters into consideration as the Commission conducts its review of my recommendations.”

BASE ANALYSIS

Kirtland Air Force Base

DOD RECOMMENDATION: Realign Kirtland Air Force Base.

CRITERIA	DOD RECOMMENDATION	AIR FORCE REVISION (May 3, 1995)	AIR FORCE REVISION with DOE COSTS
USAF TIERING	II	II	II
FORCE STRUCTURE	7 H/M C-130; 8 M/T H-53 7 HH-60; 4 UH-1 15 F-16	7 H/M C-130; 8 M/T H-53 7 HH-60; 4 UH-1 15 F-16	7 H/M C-130; 8 M/T H-53 7 HH-60; 4 UH-1 15 F-16
ONE-TIME COSTS (\$ M)	274.6	538.1	602.1
ANNUAL SAVINGS (\$ M)	62.0	32.9	2.3
RETURN ON INVESTMENT	2004 (3 years)	2020 (19 years)	100+ years
NET PRESENT VALUE (\$M)	467.1	-81.0	-496.3
BASE OPERATING BUDGET (\$ M)	38.1	54.6	54.6
PERSONNEL ELIMINATED (MIL / CIV)	905/470	733/0	733/0
PERSONNEL REALIGNED (MIL / CIV)	2,981/2,032	3,122/1,927	3,122/1,927
ECONOMIC IMPACT (BRAC 95 / CUM)	-3.6%/-3.6%	-2.9%/-2.9%	-2.9%/-2.9%
ENVIRONMENTAL	None	None	None

SCENARIO SUMMARY

Kirtland Air Force Base

DOD RECOMMENDATION	
<p>Realign Kirtland AFB</p> <ul style="list-style-type: none"> • 58th SOW will relocate to Holloman AFB. • AFOTEC will relocate to Eglin AFB. • AF Office of Security Police will relocate to Lackland AFB. • Inspection Agency and Safety Agency will relocate to Kelly AFB. • DNA will move Field Command activities to Kelly AFB. • DNA will move High Explosive Testing to Nellis AFB. • DNA's Radiation Simulator activities will remain in-place. • Phillips Laboratory will remain in a cantonment area. • 898th Munitions Squadron will remain in-place. • AFRES and ANG activities will remain in-place. • Air Force medical activities in the VA Hospital will terminate 	
<p>One Time Costs (\$M): 538.1 Steady State Savings (\$M): 32.9 Return on Investment: 19 years (2020) Net Present Value (\$M): -81.0</p>	
PRO	CON
<p>Reduces excess infrastructure</p>	<p>High cost to close</p> <p>Transfers costs to DOE</p> <p>Leaves military personnel without support</p> <p>Decreased security for remaining activities</p>

BASE ANALYSIS

BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS

DOD RECOMMENDATION:

- Close Brooks Air Force Base.
- Relocate the Human Systems Center, including the School of Aerospace Medicine and Armstrong Laboratory, to Wright-Patterson Air Force Base, OH.
- Some portion of the Manpower and Personnel function, and the Air Force Drug Test laboratory, may relocate to other locations.
- The 68th Intelligence Squadron will relocate to Kelly AFB, Texas.
- The Air Force Center for Environmental Excellence will relocate to Tyndall AFB, FL.
- The 710th Intelligence Flight (AFRES) will relocate to Lackland AFB, Texas.
- The hyperbaric chamber operation, including associated personnel, will relocate to Lackland AFB, Texas.
- All activities and facilities at the base including family housing and the medical facility will close.

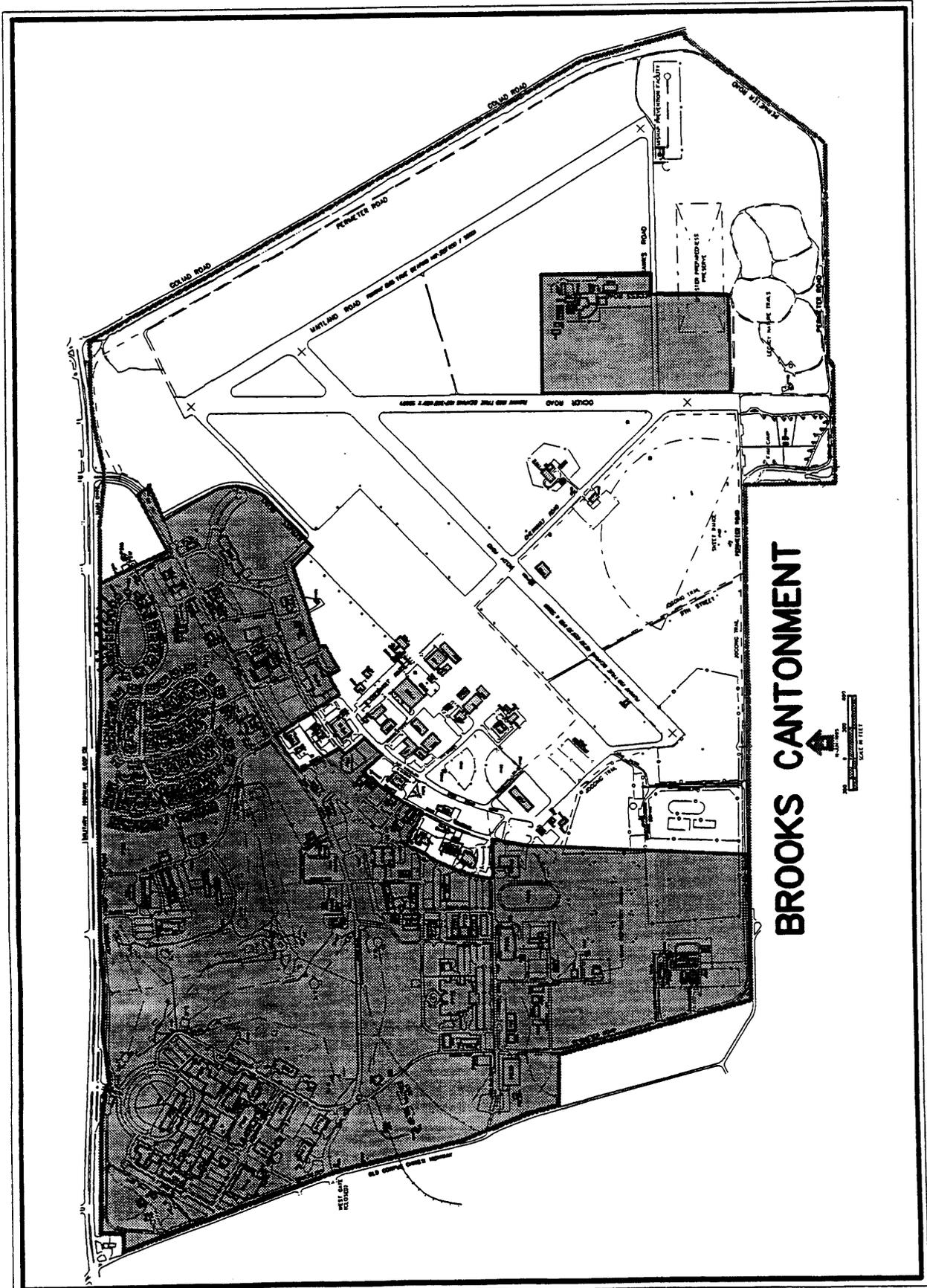
CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	III
BASE CLOSURE EXECUTIVE GROUP (BCEG) RANK	1/1
FORCE STRUCTURE	Laboratory & Product Center
ONE-TIME COSTS (\$ M)	211.5
ANNUAL SAVINGS (\$ M)	32.2
RETURN ON INVESTMENT	2007 (6 years)
NET PRESENT VALUE	158.1
BASE OPERATING BUDGET (\$ M)	13.7
PERSONNEL ELIMINATED (MIL / CIV)	247/259
PERSONNEL REALIGNED (MIL / CIV)	1690/1186
ECONOMIC IMPACT (BRAC 95 / CUM)	-1.0/-1.0
ENVIRONMENTAL	Minimal Impact

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ISSUES
BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS

ISSUE	DoD POSITION	COMMUNITY POSITION	R & A STAFF FINDINGS
COST	<ul style="list-style-type: none"> • \$211.5M upfront to close and move, including Military Construction • Annual savings 30.8M after 7 years • Net Present Value Savings: \$158.1M • Major movement of personnel 	<ul style="list-style-type: none"> • CANTONMENT: \$11M upfront • Annual savings \$17.7M with immediate return • Net Present Value Savings: \$247.8M • Most remain except Base Operating Services personnel 	<ul style="list-style-type: none"> • Concur that cantonment save a minimum upfront of \$200M to close & move, with greater return on investment • Cantonment saves cost of Base Operating Services • Personnel movement costly • AF opposes cantonment
MISSION EFFECTIVENESS	<ul style="list-style-type: none"> • Consolidation at Wright-Patterson would enhance “man-machine” interface, as well as research, development & acquisition functions for aerospace 	<ul style="list-style-type: none"> • Movement of Brooks’ missions would significantly negatively impact research programs, thereby reducing its military value and effectiveness 	<ul style="list-style-type: none"> • “Man-machine” integration would be enhanced, but this is a very small effort • Project delays & interruptions to research would occur & 50-75 % of professionals would not move
EXCESS CAPACITY/FACILITIES	<ul style="list-style-type: none"> • Excess capacity exists at Wright-Patterson, and AF can better use that capacity by consolidating research activities there 	<ul style="list-style-type: none"> • Air Force’s claim of excess capacity is questionable due to AF’s plan to construct over 1 M sq. feet of new/renovated facilities at W-P & Tyndall 	<ul style="list-style-type: none"> • W-P has numerous empty office buildings, limited laboratory space, with new construction required • W-P facilities intended for Brooks currently substandard, costly to renovate • Brooks facilities “world-class”

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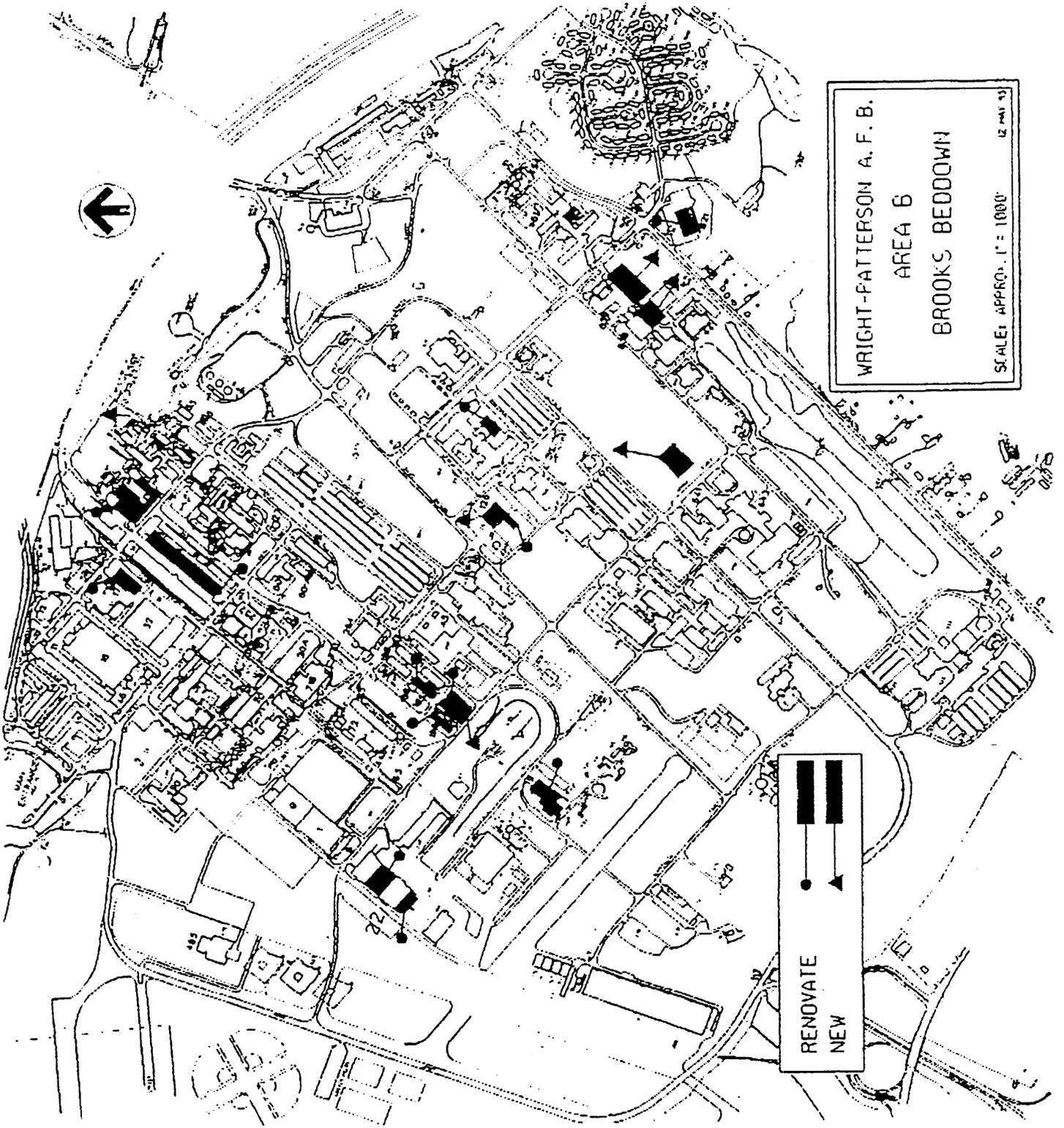


BROOKS CANTONMENT



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WRIGHT-PATTERSON A. F. B.
AREA 6
BROOKS BEDDOWN
SCALE: APPROX. 1" = 1000' 12 MAY 57



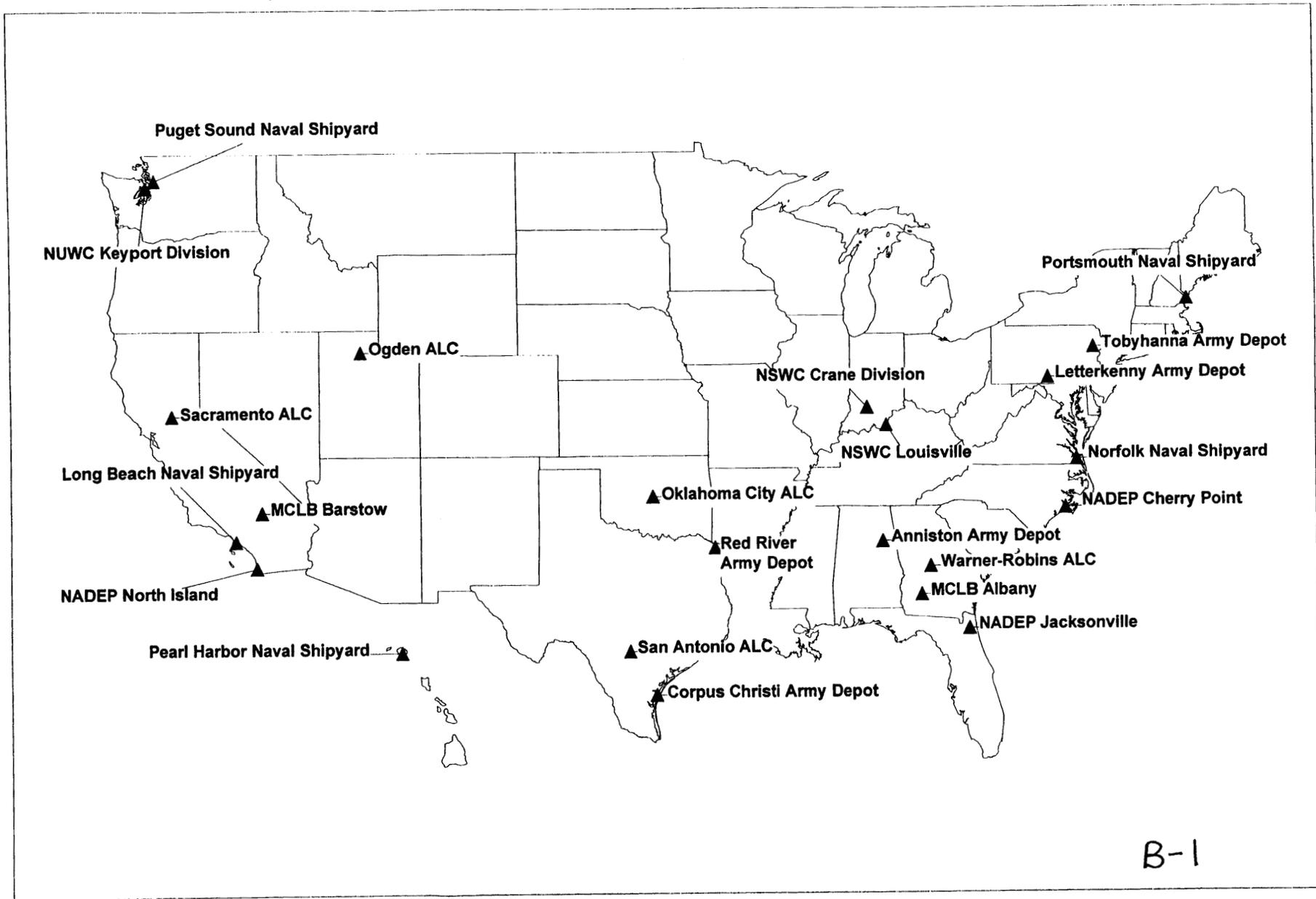
RENOVATE
NEW

SCENARIO SUMMARY

BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS

DoD RECOMMENDATION		ALTERNATIVE	
CLOSE		CANTONMENT	
<p>Close Brooks Air Force Base. Relocate the Human Systems Center, including the School of Aerospace Medicine and Armstrong Laboratory, to Wright-Patterson Air Force Base, Ohio. However, some portion of the manpower and personnel function, and the Air Force Drug Test Laboratory, may relocate to other locations. The 68th Intelligence Squadron will relocate to Kelly AFB, Texas. The Air Force Center for Environmental Excellence will relocate to Tyndall AFB, Florida. The 710th Intelligence Flight will relocate to Lackland AFB, Texas. The hyperbaric chamber operation, including associated personnel, will relocate to Lackland AFB, Texas. All activities and facilities at the base including family housing and the medical facility will close.</p>		<p>Close Brooks Air Force Base, but retain all activities and facilities except base operation support facilities. Base operations support, including support of military family housing, is to be provided by Kelly or Lackland Air Force Base.</p>	
<p>One Time Costs (\$M): 211.5 Annual Savings (\$M): 32.2 Return on Investment: 6 years (2007) Net Present Value (\$M): 172.1</p>		<p>One Time Costs (\$M): 10.9 Annual Savings (\$M): 17.6 Return on Investment: Immediate (1996) Net Present Value (\$M): 247.8</p>	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • Reduces infrastructure • Creates greater “man-machine” synergy” 	<ul style="list-style-type: none"> • Over \$200 M upfront closure costs • Major disruption to research activities at Brooks • Most personnel probably will not re-locate 	<ul style="list-style-type: none"> • Avoids major disruption to research programs & world-class facility • Avoids loss of synergy with San Antonio bio-medical & aerospace community • Saves over \$200 M upfront 	<ul style="list-style-type: none"> • Does not reduce laboratory infrastructure • AF opposes cantonment, prefers retaining Brooks as is if Commission rejects recommendation • Can be logistically awkward

DoD Depot Maintenance Facilities Considered by the DoD Joint Cross Service Group



**BRAC Depot/Shipyard History
1988 — 1993 and 1995 DoD Proposed**

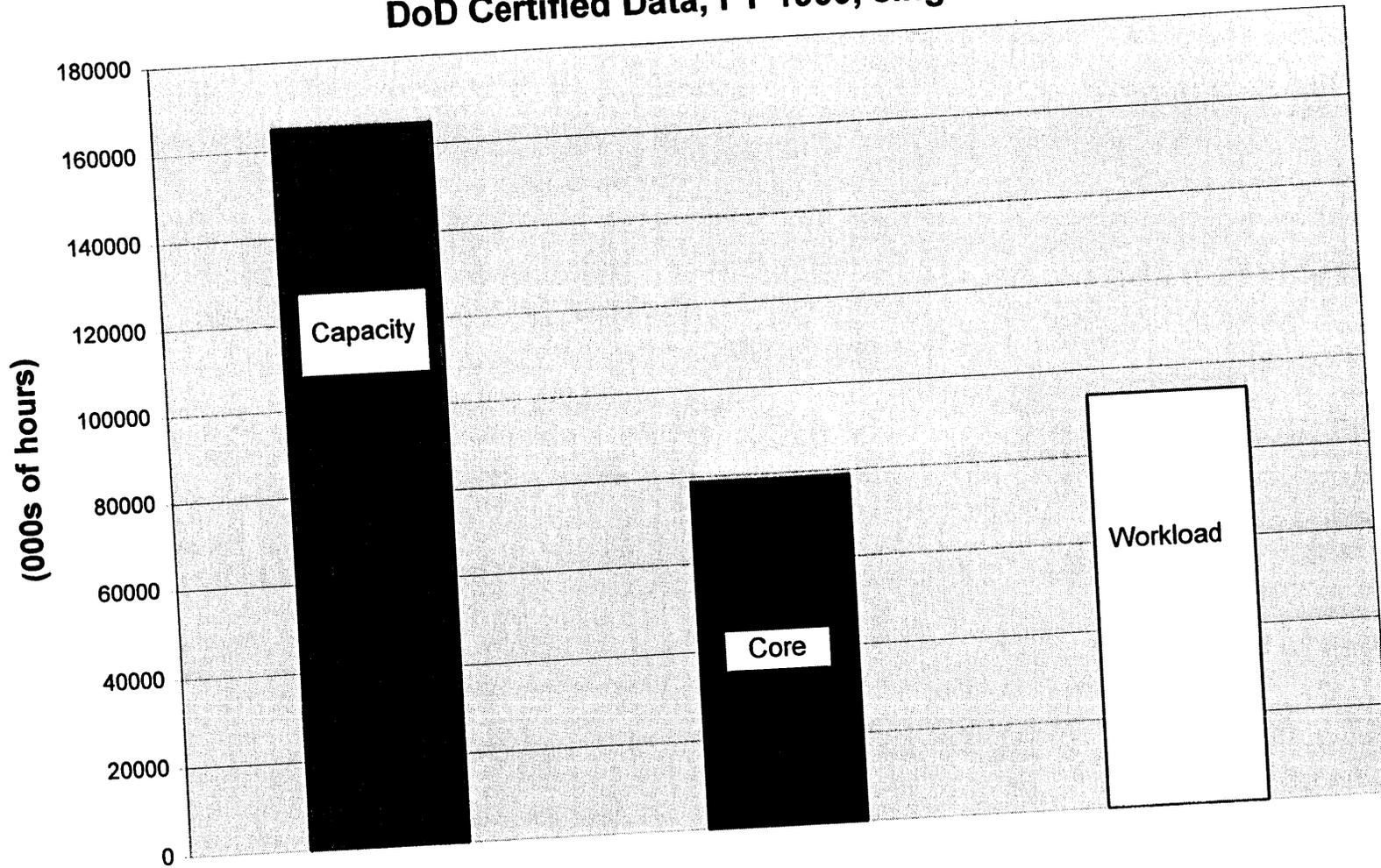
■ = OPEN

X = PROPOSED

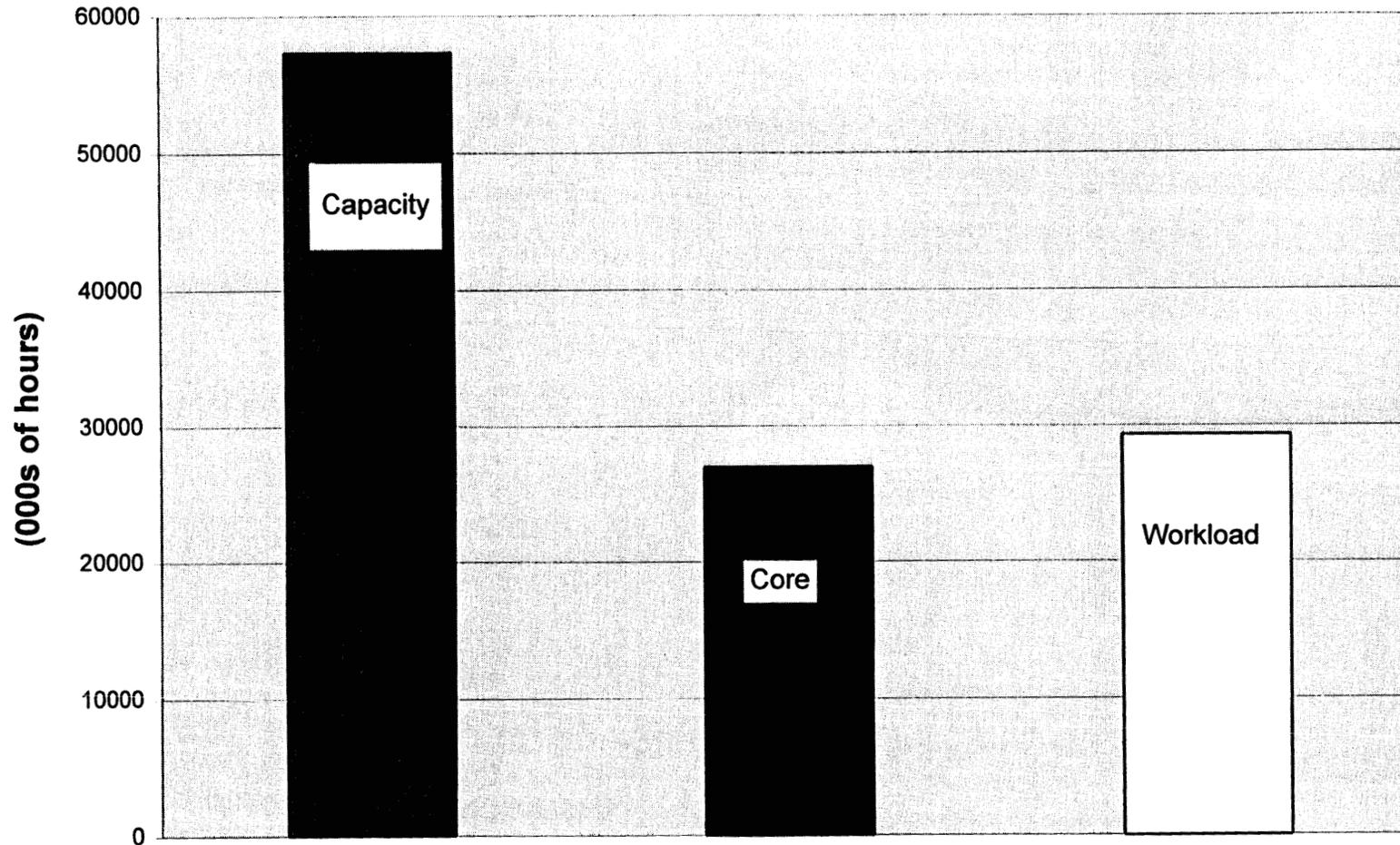
O = CLOSED

<u>Army</u>	<u>Navy</u>	<u>Air Force</u>	<u>Marines</u>
■ Anniston	■ Pearl Harbor	■ Oklahoma City	■ Albany
■ Corpus Christi	■ Cherry Point	■ Ogden	■ Barstow
■ Tobyhanna	■ Jacksonville	■ San Antonio	
X Red River	■ North Island	■ Sacramento	
X Letterkenny	■ Portsmouth	■ Warner Robins	
O Lex. Bluegrass	■ Crane		
O Pueblo	■ Norfolk (NSY)		
O Sacramento	■ Puget Sound		
O Tooele	■ Keyport		
	X Louisville		
	X Long Beach		
	X Guam		
	O Pensacola		
	O Philadelphia		
	O Norfolk (NAD)		
	O Charleston		
	O Mare Island		
	O Alameda		

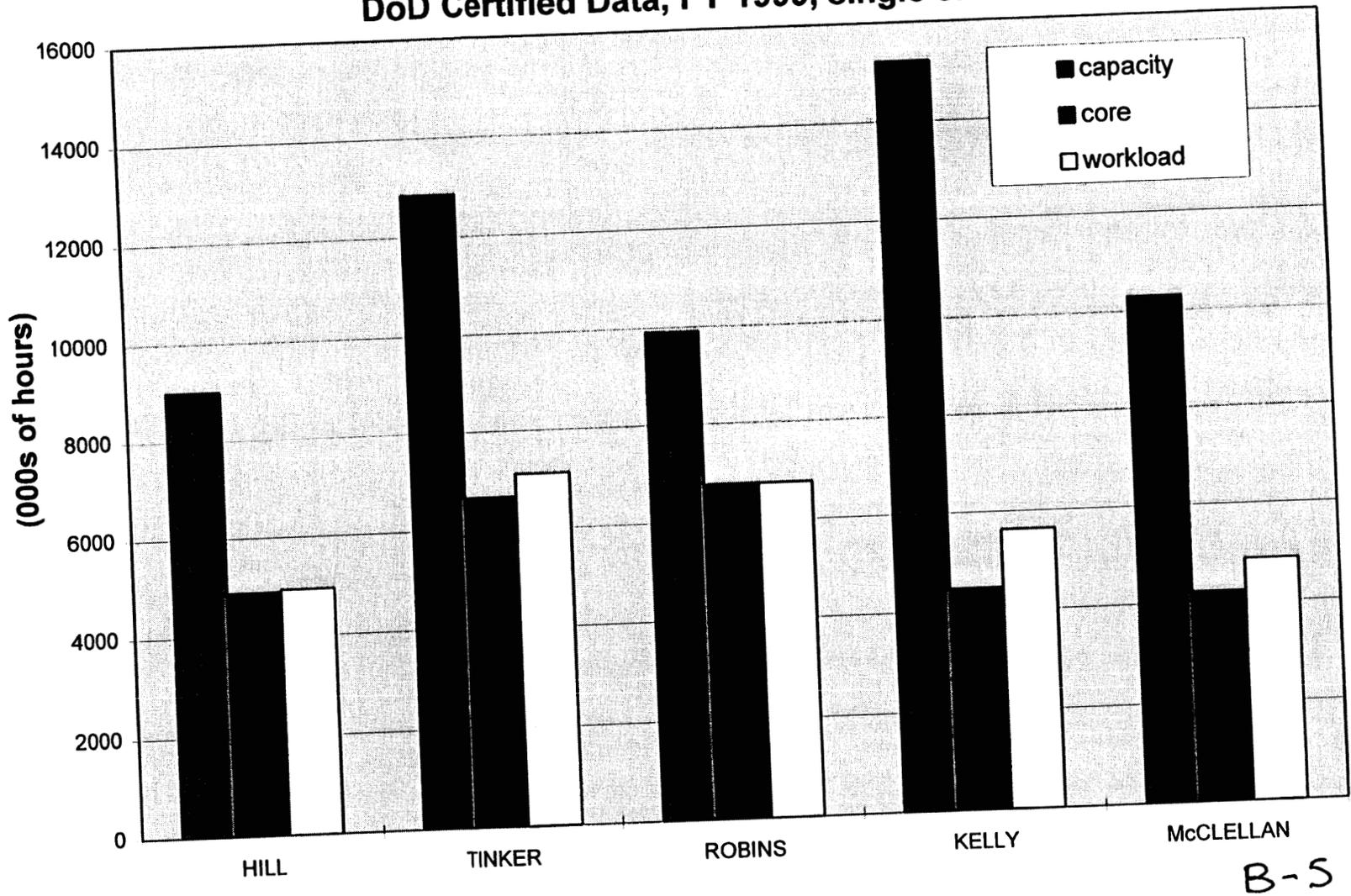
Total DOD Depot Maximum Potential Capacity, Core & Workload DoD Certified Data, FY 1999, single shift



**Air Force Depot Maximum Potential Capacity, Core & Workload DoD
Certified Data, FY 1999, single shift**



Air Force Depot Maximum Potential Capacity, Core & workload DoD Certified Data, FY 1999, single shift



AIR FORCE BASE MISSIONS

	HILL	KELLY	McCLELLAN	ROBINS	TINKER
PRODUCTS MANAGED AIRCRAFT: ENGINES:	C-130, F-16, Large Missiles	C-5, C-17 T56, TF39, F100, F117, F119	A-10, F-15, F-22, F-111, KC-135, T-37	C-130, C-141, F-15	B-1, B-2, B-52, C-135, E-3 TF30, TF33, TF41, J57, F103, F107, F108, F110, F112, F118
DEPOT SPECIALTIES	Munitions, Landing Gear, Turbines, Instruments	Electronics, Mechanical Support Equipment, Nuclear Components, Instruments, Engines.	Ground communications, electronics, hydraulics pneumatics instruments.	Airborne Electronics, Avionics, Gyroscopes, Propellants, Life Support Equipment	Hydraulics, Pneumatics, Instruments, Engines
FORCE STRUCTURE FY 97/4	54 F-16 15 F-16 (Air Force Reserve) 16 Test Aircraft	14 C-5 (Air Force Reserve) 12 F-16 (Air National Guard)	4 HC-130 * (Air National Guard) 5HH-60 * (Air National Guard) 4 HC-130 (Coast Guard)	6 E-8 (JSTARS) 4 B-1 (Air National Guard) 12 KC-135 1EC-135 1EC-137	30 E-3 AWACS 8KC-135 (Air Force Reserve) 1EC-135 16 E-6 (TACAMO)
USAF OPERATIONAL CONCERNS	F-16 LANTIRN Training Relocation of Air Force Reserve F-16s UTAH TEST RANGE-CM Test UTAH TEST RANGE-SS Range MX Missile Storage	Relocation of Air Force Reserve C-5s & Air National Guard F-16s Wilford Hall Uses Runway	Prevents Move of Air National Guard Rescue Unit From Moffet	Delays JSTARS IOC Relocation of Air National Guard B-1s	Relocation of AWACS, TACAMO & Air Force Reserve KC-135s

If Moffet Move Is Approved By Commission

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Air Force Tiering of Air Logistics Center Installations and Depots

	Hill	Tinker	Robins	Kelly	McClellan
Base Closure Executive Group Base Score (Max Score 33)	33	29	26	15	11
Base Tier	I	I	II	III	III
Depot Tier	I	II	I	III	II

**Air Force Depot Indicators
1993 and 1994**

	Hill	Kelly	McClellan	Robins	Tinker
1994 LABOR HOUR COST (Without Materiel)	\$61.50	\$62.15	\$59.14	\$53.53	\$60.46
AIR CRAFT ON-TIME					
1993	100%	12%	74%	61%	87%
1994	94%	10%	89%	71%	99%
ENGINES ON-TIME					
1993	N/A	96%	N/A	N/A	99%
1994		89%			99%
COMPONENTS/ EXCHANGEABLES ON-TIME					
1993	90%	97%	97%	80%	98%
1994	89%	75%	99%	87%	97%

**AIR FORCE BRAC RECOMMENDATION
DOWNSIZE-IN-PLACE ALL FIVE DEPOTS**

DOWNSIZING CONSISTS OF :

- 1) MOTHBALL 2 MILLION SQUARE FEET OF DEPOT SPACE
- REDUCE AMOUNT OF DEPOT CAPACITY**
- 2) REDUCE 1,905 DEPOT PERSONNEL
- REDUCTION TO BE ACHIEVED BY REENGINEERING DEPOT
MAINTENANCE ACTIVITIES TO ACHIEVE A 15% SAVINGS**

COBRA RESULTS:

ORIGINAL

ONE TIME COST - \$183 M, ANNUAL SAVINGS - \$89 M, NPV - \$991 M

SECRETARY OF THE AIR FORCE TESTIMONY:

ONE TIME COST - \$234 M, ANNUAL SAVINGS - \$92 M, NPV - \$975 M

DOWNSIZING HAS NEVER BEFORE BEEN PURSUED THROUGH BRAC:

- SAVINGS WHOLLY FROM ELIMINATION OF DEPOT POSITIONS**
- OVERHEAD COSTS TO RUN DEPOT STRUCTURE UNCHANGED**
- MAINTENANCE COST PER HOUR INCREASES**

COBRA Closure Assumptions Impacting Annual Savings

<u>Air Force</u>	<u>Commission Staff</u>
6 Year Time To Close	4 Year Time To Close
Start Year 1996	Start Year 1997
No Direct Labor ALC Personnel Eliminations Due To Consolidations	15% Elimination Of Selected ALC Personnel: <div style="margin-left: 40px;"> Depot Material Management Central Contracting Computer Support </div>
All Medical And 80 % Management Personnel Realigned	50% Elimination Of Medical And Management Overhead Personnel
9% Additional Personnel Realigned For Base Operating Support	9% Additional Realigned For Base Operating Support (Except Kelly - All Air Force Tenant Base Support Realigned)
All Defense Agency Personnel Realigned	Scenario Based Defense Agency Personnel Eliminations
All Eliminations Taken In Last Year	Evenly Phase Personnel Eliminations (Except Base Operating Support)

COBRA Closure Assumptions Impacting Annual Savings

<u>Air Force</u>	<u>Commission Staff</u>
6 Year Time To Close	4 Year Time To Close
Start Year 1996	Start Year 1997
No Direct Labor ALC Personnel Eliminations Due To Consolidations	15% Elimination Of Selected ALC Personnel: Depot Material Management Central Contracting Computer Support
All Medical And 80 % Management Personnel Realigned	50% Elimination Of Medical And Management Overhead Personnel
9% Additional Personnel Realigned For Base Operating Support	9% Additional Realigned For Base Operating Support (Except Kelly - All Air Force Tenant Base Support Realigned)
All Defense Agency Personnel Realigned	Scenario Based Defense Agency Personnel Eliminations
All Eliminations Taken In Last Year	Evenly Phase Personnel Eliminations (Except Base Operating Support)

**Composite Air Force Base
Personnel Impact of Commission Staff COBRA Assumptions**

	Baseline	Air Force Eliminations	Commission Staff Eliminations	Delta
Air Logistics Center				
Foreign Military Sales	560			
Maintenance	5,344		802	
Materiel management	1,662		249	
Contracting	221		33	
Computer support	303		46	
MGT overhead	62		31	
Medical	482		241	
ALC Total	8,633	373	1,401	1,028
Defense Agency tenants				
Defense Logistics Agency	832	0	271	
Commissary	157	0	135	
Finance Agency	144	0	0	
Information Systems Agency	207	0	207	
Defense Agency Total	1,340	0	613	613
Air Force tenants	3,536	0	22	22
Base Operating Personnel	2,164	846	1,144	298
Total	15,674	1,219	3,181	1,962

Kelly Personnel Transferring to Lackland Air Force Base

Organization	Function	# of Personnel
Air Intelligence Agency (Includes Cryptologic Support)	Intelligence Production	3,824
433rd Airlift Wing Air Force Reserve Wing	14 C-5 Strategic Airlift	673
149th Fighter Group Air National Guard	12 F-16 Tactical Fighters	202
838th Engineering Installation Squadron	Installation of computers and communications	247
Air Force News Agency	Provides worldwide news and information	149
Defense Commissary Agency - Mid West Region HQ	Headquarters Functions	108
Defense Finance and Accounting Service	Finance	162
Other	Small Tenants	80
Total Realigned to Lackland AFB		5,445

Air Force Installation AIR FORCE Closure COBRA Results

Issue	Hill	Kelly	McClellan	Robins	Tinker
One-Time Cost To Close	\$1,293.1 M	\$582.1 M	\$574.5 M	\$925.4 M	\$1,332.2 M
Annual Savings	\$71.0 M	\$76.4 M	\$86.9 M	\$61.9 M	\$73.1 M
Net Present Value	-\$441.5 M	\$282.6 M	\$392.5 M	-\$249.3 M	-\$471.8 M
Return On Investment	2028 (27 years)	2010 (9 years)	2008 (7 years)	2023 (22 years)	2029 (28 years)
Personnel Realigned:					
Military	4,302	4,491	2,193	4,314	7,906
Civilian	8,293	11,924	7,372	10,222	11,584
Personnel Eliminated:					
Military	543	237	562	413	480
Civilian	651	1,008	876	776	804

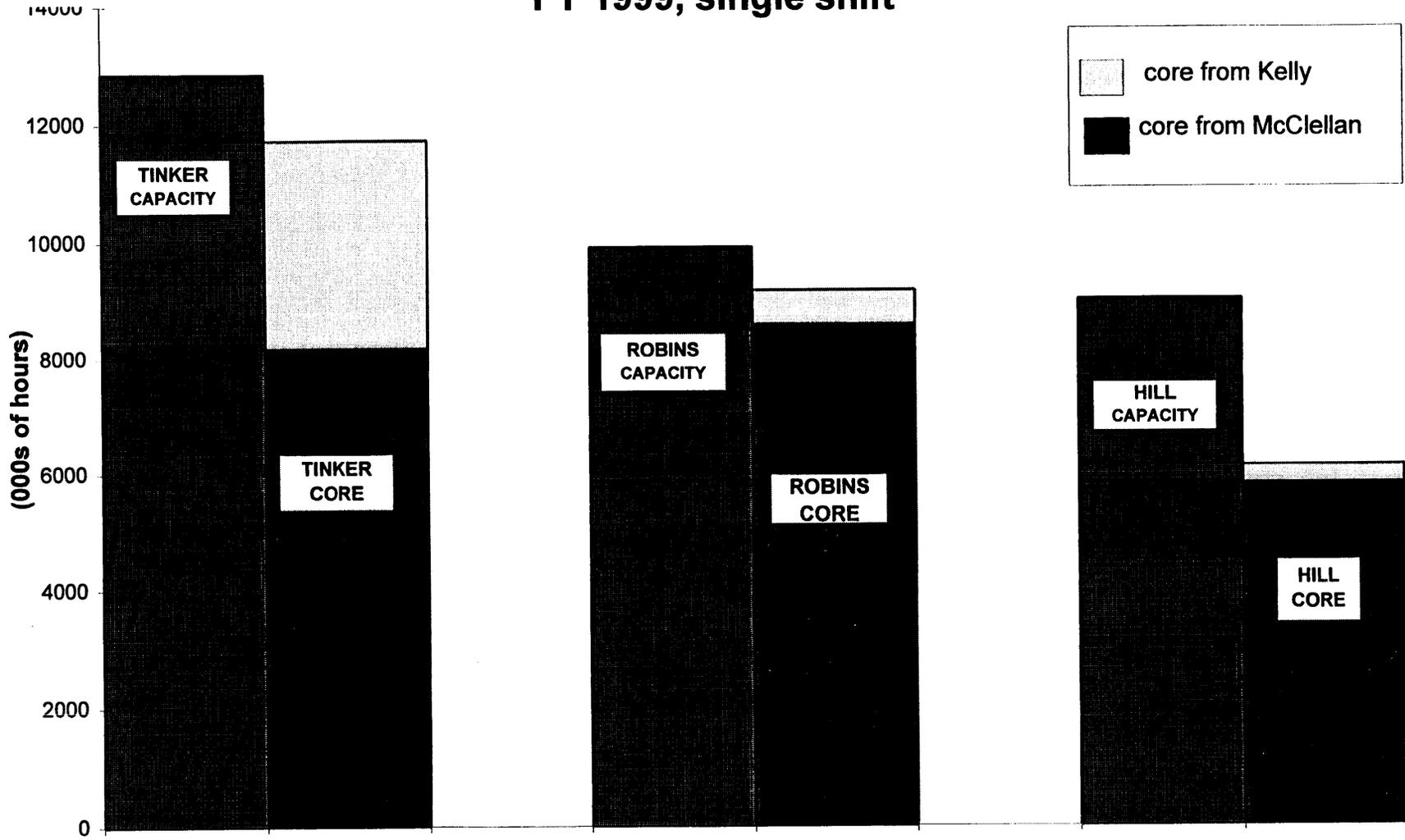
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Air Force Installation Commission Staff Closure COBRA Results

Issue	Hill	Kelly	McClellan	Robins	Tinker
One-Time Cost To Close	\$1,105.9 M	\$412.8 M	\$409.8 M	\$762.1 M	\$1,141.4 M
Annual Savings	\$152.6M	\$178.5 M	\$159.7 M	\$162.2 M	\$163.8 M
Net Present Value	\$1,105.9 M	\$1,848.0 M	\$1,606.7 M	\$1,307.5 M	\$1,141.4 M
Return on Investment	2007 (7 years)	2001 (1 year)	2001 (1 year)	2004 (4 years)	2006 (6 years)
Personnel Realigned:					
Military	2,952	3,353	1,743	3,723	7,023
Civilian	6,763	11,026	6,801	8,875	8,9006
Personnel Eliminated:					
Military	1,044	6740	1,014	785	626
Civilian	1,902	2,635	2,027	2,604	2,540

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Consolidation of Core Workload within 3 Air Force Depots FY 1999, single shift



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**COST ADVANTAGE OF CONSOLIDATING
AF ENGINE MAINTENANCE**

FY97

ONE DEPOT ONLY RATES
Direct Hours 2,384,000

Direct labor \$ 52,000,000 or \$21.81 /hour
overhead \$ 80,000,000 or \$33.55/hour
TOTAL \$55.36 / hour

CONSOLIDATED WORKLOAD RATE
Direct hours 5,010,000

Direct Labor \$109,268,100 or \$21.81/hour
overhead \$25,000,000 or \$18.96 hour
TOTAL \$40.77 / hour

Difference \$14.59/ hour

Annual Savings \$14.59 X 5,010,000 hours = \$73,095,900

SUMMARY OF ECONOMIC AND TIERING INFORMATION

	McClellan		Kelly		Robins		Tinker		Hill		
	AF	R&A	AF	R&A	AF	R&A	AF	R&A	AF	R&A	
<i>COBRA</i> (MILLIONS)											
ONE-TIME COST TO CLOSE	575	410	582	421	925	762	1,332	1,141	1,293	1,106	
ANNUAL SAVINGS	87	160	76	182	62	162	73	164	71	153	
NET PRESENT VALUE	393	1,607	283	1,888	249	1,308	472	1,141	442	875	
RETURN ON INVESTMENT (YEARS)	7	1	9	1	22	4	22	6	27	7	
<i>USAF RATINGS</i>											
33 POINT MAXIMUM	11 POINTS		15 POINTS		26 POINTS		29 POINTS		33 POINTS		
INSTALLATION DEPOT	III II		III III		II I		I II		I I		



ARMY DEPOTS

MILITARY VALUE	INSTALLATION
1	<i>TOBYHANNA ARMY DEPOT, PENNSYLVANIA</i> (*)
2	ANNISTON ARMY DEPOT, ALABAMA
3	<i>RED RIVER ARMY DEPOT, TEXAS</i> (C)
4	<i>LETTERKENNY ARMY DEPOT, PENNSYLVANIA</i> (R) (*)
Not ranked	CORPUS CHRISTI ARMY DEPOT, TEXAS

(C) = DoD recommendation for closure

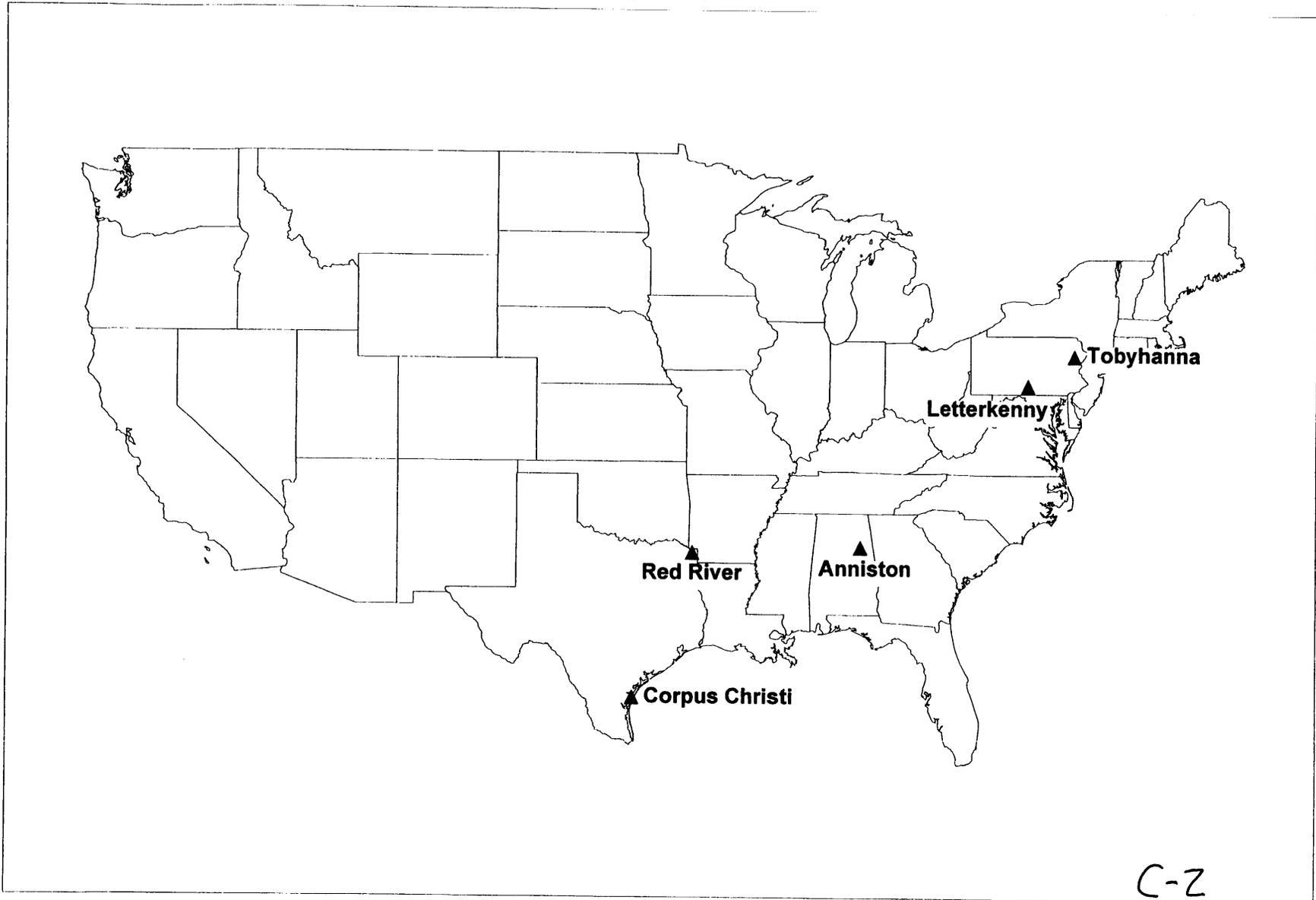
(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = *Commission add for further consideration*

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Army Depots



BASE ANALYSIS
RED RIVER ARMY DEPOT, TEXAS
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS

DOD RECOMMENDATION:

- Close Red River Army Depot. Transfer ammo storage, intern training facility, and civilian training education to Lone Star Army Ammunition Plant. Transfer light combat vehicle maintenance to Anniston Army Depot, AL. Transfer the Rubber Production Facility to Lone Star.
- Disestablish the Defense Distribution Depot Red River, Texas. Material remaining at DDRT at the time of disestablishment will be relocated to the Defense Distribution Depot Anniston, Alabama, (DDAA) and to optimum storage space within the DOD Distribution System.

CRITERIA	RED RIVER ARMY DEPOT	DISTRIBUTION DEPOT RED RIVER
MILITARY VALUE	3 of 4	5 of 17
FORCE STRUCTURE	No impact	No impact
ONE-TIME COSTS (\$ M)	51.6	58.9
ANNUAL SAVINGS (\$ M)	92.8	18.9
RETURN ON INVESTMENT	1999 (Immediate)	2002 (2 Years)
NET PRESENT VALUE (\$ M)	1,118.0	186.0
BASE OPERATING BUDGET (\$ M)	43.7	9.7
PERSONNEL ELIMINATED (MIL / CIV)	13 / 1,472	1 / 378
PERSONNEL REALIGNED (MIL / CIV)	0 / 908	0 / 442
ECONOMIC IMPACT (BRAC 95 / CUM)	- 7.8 % / - 6.6 %	- 2.7 % / - 6.6 %
ENVIRONMENTAL	No known impediments	No known impediments

**ISSUES REVIEWED
RED RIVER ARMY DEPOT, TEXAS
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS**

<p>WORKLOAD</p> <p>IMPACT ON LOCAL ECONOMY</p> <p>DISTRIBUTION MISSION</p> <p>COST TO MOVE INVENTORY</p>	<p>MISSILE RECERTIFICATION OFFICE</p> <p>RED RIVER ARMY DEPOT AWARDS AND RECOGNITION</p> <p>RECOMMENDATIONS FOR RED RIVER ARMY DEPOT AND DEFENSE DEPOT, RED RIVER, ARE SEPARATE</p> <p>FUTURE TEAMING WITH INDUSTRY</p> <p>MILITARY CONSTRUCTION COSTS</p> <p>BASE SUPPORT FOR ENCLAVING AT LONE STAR ARMY AMMUNITION PLANT</p> <p>UNEMPLOYMENT IMPACT</p> <p>ARMY SAVINGS BASED ON NON-BRAC PERSONNEL SAVINGS</p>
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ISSUES
RED RIVER ARMY DEPOT, TEXAS

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
WORKLOAD	<ul style="list-style-type: none"> • ACCEPTABLE RISK IN SUPPORT OF WARTIME REQUIREMENTS • INSTALLATION MAINTENANCE ACTIVITIES, INDUSTRIAL BASE FACILITIES, DEPOTS, AND OUT SOURCING CAN OFFSET SHORTFALL 	<ul style="list-style-type: none"> • TOO MUCH RISK IN GOING TO ONE COMBAT VEHICLE DEPOT • CONSOLIDATING GROUND VEHICLE DEPOT MAINTENANCE AT ANNISTON OVERLOADS THAT DEPOT 	<ul style="list-style-type: none"> • WORKLOAD FORECASTS AND MAXIMUM POTENTIAL CAPACITY INDICATE THAT ANNISTON CAN SUPPORT PEACETIME REQUIREMENTS WITH A 1-8-5 SCHEDULE • WARTIME PROJECTIONS REQUIRE ANNISTON TO OPERATE ON A 2-8-7 WORK SCHEDULE
IMPACT ON LOCAL ECONOMY	<ul style="list-style-type: none"> • CLOSING RED RIVER ARMY DEPOT RESULTS IN LOSS OF 2,887 DIRECT AND 2,753 INDIRECT JOBS (TOTAL 5,654) FOR 7.8% OF MSA LABOR FORCE 	<ul style="list-style-type: none"> • COMMUNITY FORECASTS 21.7% UNEMPLOYMENT RATE SHOULD DEPOT CLOSE 	<ul style="list-style-type: none"> • IMPACT IS SIGNIFICANT

ISSUES
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
DISTRIBUTION MISSION	<ul style="list-style-type: none"> • COLLOCATED DEPOT CLOSES IF MAINTENANCE MISSION CLOSES 	<ul style="list-style-type: none"> • ONLY 20% OF WORKLOAD SUPPORTS MAINTENANCE MISSION • REMAINING 80% REGIONAL DISTRIBUTION MISSION 	<ul style="list-style-type: none"> • DEFENSE LOGISTICS AGENCY CONCEPT OF OPERATIONS CALLS FOR CLOSURE • EXCESS CAPACITY IN DISTRIBUTION DEPOT SYSTEM
COST TO MOVE INVENTORY	<ul style="list-style-type: none"> • COSTS TO MOVE VEHICLE INVENTORY \$5.8 MILLION AND \$12.7 MILLION FOR STOCK • BASED ON MOVEMENT 3,406 VEHICLES OUT OF 9,204 AND 66,013 TONS OF STOCK 	<ul style="list-style-type: none"> • COSTS UNDERSTATED BY \$319 MILLION • MOVES ENTIRE INVENTORY OF 14,000 VEHICLES AND 120,000 TONS OF STOCK 	<ul style="list-style-type: none"> • ARMY ITEM MANAGER HAS CONFIRMED ORIGINAL DOD NUMBERS AND COSTS

SCENARIO SUMMARY
RED RIVER ARMY DEPOT, TEXAS
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS

RED RIVER ARMY DEPOT		DEFENSE DISTRIBUTION DEPOT RED RIVER	
Close Red River Army Depot. Transfer ammo storage, intern training facility, and civilian training education to Lone Star Army Ammunition Plant. Transfer light combat vehicle maintenance to Anniston Army Depot, AL. Transfer the Rubber Production Facility to Lone Star.		Disestablish the Defense Distribution Depot Red River, Texas. Material remaining at DDRT at the time of disestablishment will be relocated to the Defense Distribution Depot Anniston, Alabama, (DDAA) and to optimum storage space within the DOD Distribution System.	
One-Time Costs (\$M): 51.6 Annual Savings (\$M): 92.8 Return on Investment: 1999 (Immediate) Net Present Value (\$M): 1,118.0		One-Time Costs (\$M): 58.9 Annual Savings (\$M): 18.9 Return on Investment: 2002 (2 Years) Net Present Value (\$M): 186.0	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • SUPPORTS ARMY STATIONING STRATEGY • SUPPORTS JCSG-DM RECOMMENDATIONS • REDUCES AMOUNT OF DEPOT INFRASTRUCTURE • SIGNIFICANT FINANCIAL SAVINGS • NO RISK TO CURRENT FUNDED WORKLOAD 	<ul style="list-style-type: none"> • PLACES ALL COMBAT TRACKED VEHICLE WORKLOAD INTO ONE DEPOT 	<ul style="list-style-type: none"> • MONETARY SAVINGS • DEPOT SYSTEM EFFICIENCY 	<ul style="list-style-type: none"> • JOB LOSS • LOSS OF EXCELLENT DEPOT • COULD EXACERBATE DEFENSE LOGISTICS AGENCY STORAGE SHORTFALL

SCENARIO SUMMARY

RED RIVER ARMY DEPOT, TEXAS

COMMISSION ALTERNATIVE		COMMISSION ALTERNATIVE	
<p>Close Red River Army Depot. Transfer ammo storage, intern training facility, and civilian training education to Lone Star Army Ammunition Plant. Transfer light combat vehicle maintenance to Anniston Army Depot, AL. Transfer the Rubber Production Facility to Lone Star.</p>			
<p>One-Time Costs (\$M): 52.2 Annual Savings (\$M): 92.8 Return on Investment: 1999 (Immediate) Net Present Value (\$M): 1,117.5</p>		<p>One-Time Costs (\$M): Annual Savings (\$M): Return on Investment: Net Present Value (\$M):</p>	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • RECOGNIZES CONSTRUCTION COSTS AT ANNISTON ARMY DEPOT 			

BASE ANALYSIS LETTERKENNY AND TOBYHANNA ARMY DEPOTS

DOD RECOMMENDATION: Realign Letterkenny, move tactical guidance and support equipment workload to Tobyhanna and combat vehicle maintenance to Anniston

COMMISSIONER ADD FOR CONSIDERATION: Study Tobyhanna for closure

CRITERIA	LETTERKENNY (R), (X)	TOBYHANNA (*)
MILITARY VALUE	4 of 4	1 of 4
ONE-TIME COSTS (\$ M)	50	154
ANNUAL SAVINGS (\$ M)	76	33
RETURN ON INVESTMENT	1999 (Immediate)	2005 (4 years)
NET PRESENT VALUE	953	226
BASE OPERATING BUDGET (\$ M)	56	56
PERSONNEL ELIMINATED (MIL / CIV)	23 / 1317	34 / 535
PERSONNEL REALIGNED (MIL / CIV)	19 / 823	249 / 2691
ECONOMIC IMPACT (BRAC 95 / CUM)	-9.1% / -11.0%	-13.4% / -14.0%
ENVIRONMENTAL	On National priority List	On National Priority List

(C) = DoD recommendation for closure

(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = *Commission add for further consideration*

SUMMARY
TACTICAL MISSILE MAINTENANCE CONSOLIDATION

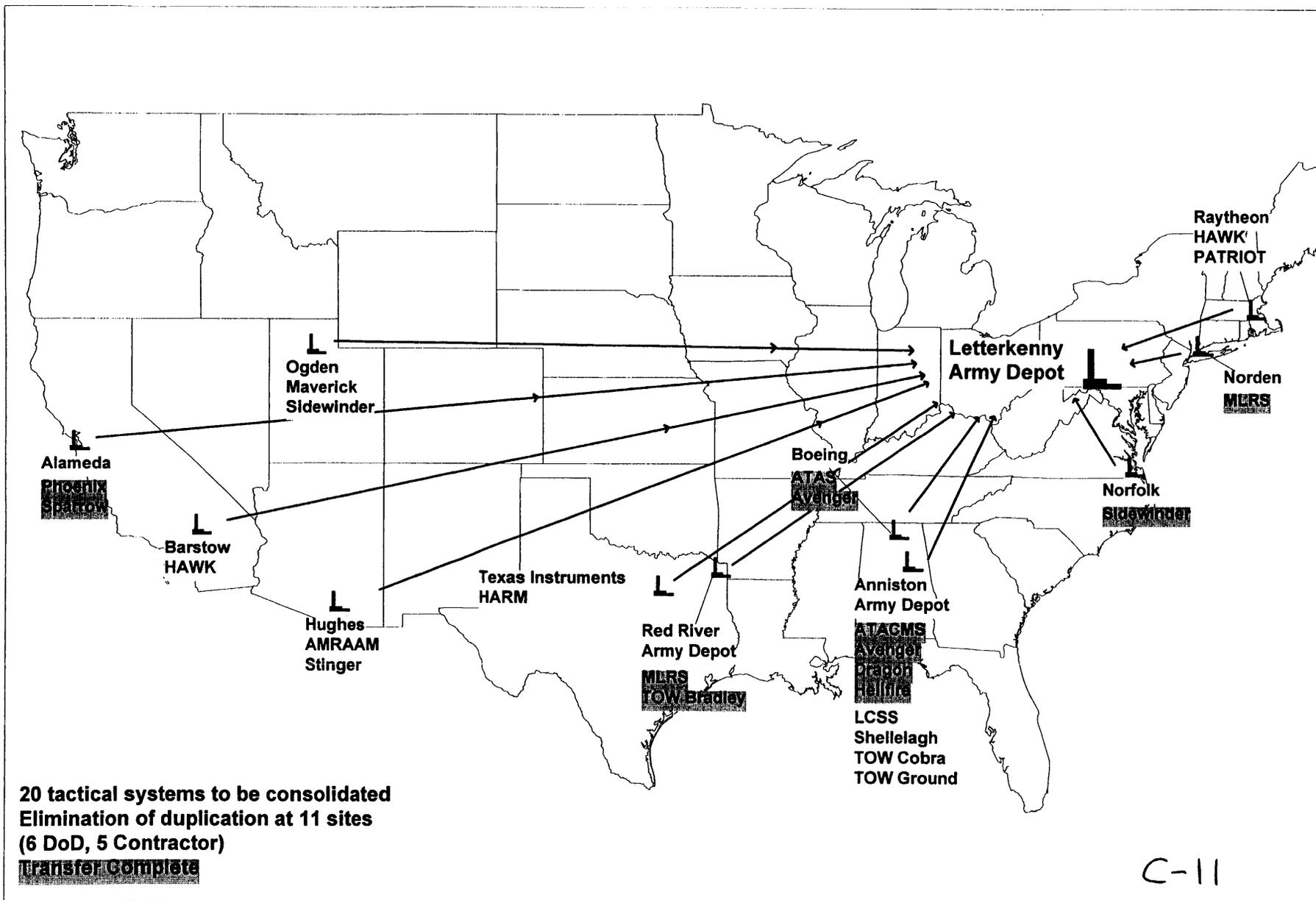
1993 COMMISSION

- **CONSOLIDATE DOD TACTICAL MISSILE MAINTENANCE AT LETTERKENNY**
- **RETAIN ARTILLERY WORKLOAD AT LETTERKENNY**

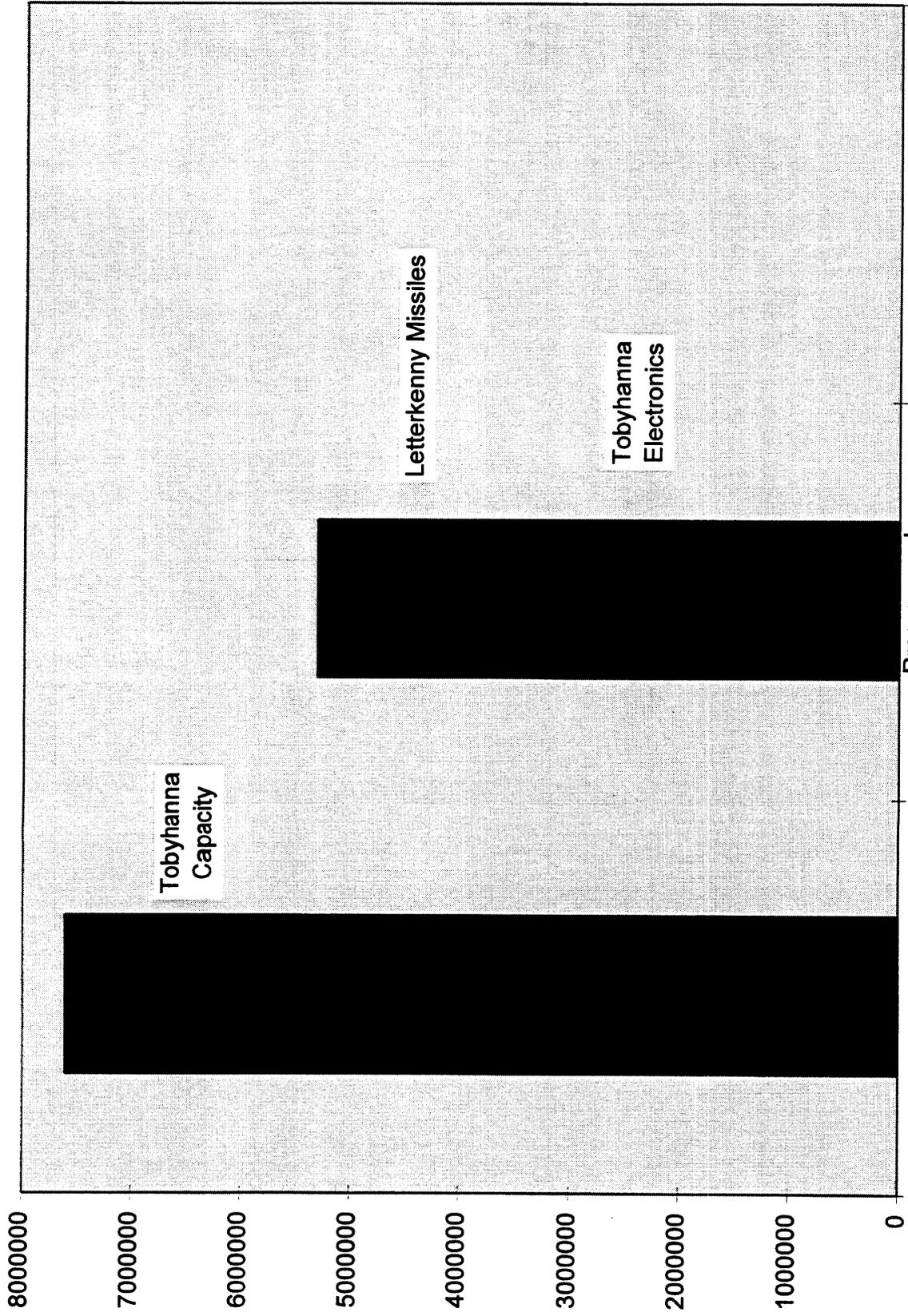
1995 DOD RECOMMENDATION

- **CHANGE 1993 COMMISSION RECOMMENDATION BY TRANSFERRING MISSILE GUIDANCE SYSTEM WORKLOAD TO TOBYHANNA ARMY DEPOT.**
- **TRANSFER COMBAT VEHICLE WORKLOAD TO ANNISTON ARMY DEPOT.**
- **RETAIN ENCLAVE FOR CONVENTIONAL AMMUNITION AND TACTICAL MISSILE DISASSEMBLY AND STORAGE AT LETTERKENNY.**

BRAC '93 Commission Recommended A Single DoD Tactical Missile Facility



Consolidation of DOD Tactical Missile and Army Ground Communications Workload at Tobyhanna FY99 Programmed and Core Workload (Single Shift)



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BASE ANALYSIS: Tactical Missile Maintenance

DOD RECOMMENDATION: Realign Letterkenny, move missile guidance system maintenance workload to Tobyhanna and combat vehicle maintenance workload to Anniston.

COMMISSIONER ADD FOR CONSIDERATION: Study Letterkenny and Tobyhanna for further realignment or closure.)

CRITERIA	<i>(DOD)</i> <i>Letterkenny Army Depot</i> <i>(R)(X)</i> Missile Maintenance to Tobyhanna. Missile Storage retained at Letterkenny		<i>(Alternative)</i> <i>Letterkenny Army Depot</i> <i>(R)(*)</i> Missile Maintenance to Hill AFB and missile / ammo storage retained at Letterkenny)		<i>(Alternative)</i> <i>Tobyhanna Army Depot</i> <i>(*)</i> Missile Maintenance retained at Letterkenny. Tobyhanna Army Depot Closes and transfers electronics workload to Letterkenny	
	<i>DEPOT</i>	<i>DLA</i>	<i>DEPOT</i>	<i>DLA</i>	<i>DEPOT</i>	<i>DLA</i>
MILITARY VALUE	4 out of 4 (Letterkenny)		Tier I (Hill)		1 out of 4 (Tobyhanna)	
ONE-TIME COSTS (\$ M)	50	45	89	45	154	22
ANNUAL SAVINGS (\$ M)	76	12	61	12	33	9
RETURN ON INVESTMENT	Immediate	3 years	Immediate	3 years	4 years	2 years
BASE OPERATING BUDGET (\$ M)	56	8	56	8	33	6
PERSONNEL ELIMINATED (MIL / CIV)	23 / 1317	4 / 174	13 / 1018	4 / 174	34 / 53	3 / 111
PERSONNEL REALIGNED (MIL / CIV)	19 / 823	0 / 200	20 / 1093	0 / 200	249 / 2691	0 / 123
ECONOMIC IMPACT (BRAC 95 / CUM)	-9.1%/-11.0%	-1.2%/-11.0%	-9.2%/-10.4%	-1.2%/-11.0%	-13.4%/-14.0%	-1.6% / -14.0%
ENVIRONMENTAL	On National Priority List		On National Priority List		On National I Priority List	

(C) = DoD recommendation for closure

(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = *Commission add for further consideration*

ISSUES REVIEWED
TACTICAL MISSILE MAINTENANCE
Letterkenny and Tobyhanna Army Depots, Hill Air Force Base

<ul style="list-style-type: none">• Pros and Cons of Missile Maintenance at Tobyhanna, Hill and Letterkenny • Military Value • Capacity Utilization • Military Construction Costs • Personnel Training Costs • Total One-Time Closing Costs	<ul style="list-style-type: none">• Tactical Missile Maintenance Workload (FY 99 Program vs Core) • Space Available for Missile Maintenance • One Stop Shop • Tactical Missile Storage Requirements • Benefits of Public / Private Teaming • Potential for Privatization • Tenant Moves
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COMPARATIVE BASE ANALYSIS: Tactical Missile Maintenance Pros and Cons of Tactical Missile Maintenance at Tobyhanna, Hill, and Letterkenny

	<i>Tobyhanna Army Depot</i>	<i>Hill AFB</i>	<i>Letterkenny Army Depot</i>
Military Value	<ul style="list-style-type: none"> • 1 of 4 	<ul style="list-style-type: none"> • tier 1 	<ul style="list-style-type: none"> • 4 of 4
Labor Rate Without Materials	<ul style="list-style-type: none"> • \$53.26 	<ul style="list-style-type: none"> • \$62.32 	<ul style="list-style-type: none"> • \$86.15
Arguments for missile maintenance consolidation at this depot	<ul style="list-style-type: none"> • Preserves interservicing • Capitalizes on depot's electronics focus • Depot has capacity to assume more work. Increases utilization rate from 49% to 70% • Retains Army's highest rated depot • Supported by Joint Cross Service Group 	<ul style="list-style-type: none"> • Preserves interservicing • Capitalizes on depot's strategic and tactical missile (Maverick & Sidewinder) experience • Hill is currently doing 53% of guidance and control section work • Hill has capacity. Increases utilization rate from 54% to 71% 	<ul style="list-style-type: none"> • Preserves interservicing • Preserves \$26 million in sunk costs for completed building renovation, personnel and equipment moves and training • Consolidation proceeding on schedule and within budget per DOD-IG • Site selected by Defense Depot Maintenance Council for consolidated DOD workload
Arguments against missile maintenance consolidation at this depot	<ul style="list-style-type: none"> • No significant missile expertise at depot • Depot not currently facilitized for tactical missile workloads • Depot has no missile storage which results in added transportation 	<ul style="list-style-type: none"> • Depot not currently facilitized to accept all DOD' tactical missile workload • Insufficient storage capacity • Air Force does not endorse tactical missile transfer to Hill 	<ul style="list-style-type: none"> • Transfer of vehicle workload will contribute to continued low depot utilization • With no new work utilization rate would be 52% in FY 99, or 26% for core work only • Does not support Army stationing strategy

ISSUES: TACTICAL MISSILE DEPOTS

DOD Recommendation: realign Letterkenny; missiles to Tobyhanna; vehicles to Anniston

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Military Value	<ul style="list-style-type: none"> • Letterkenny ranked 4 of 4 • Stationing strategy calls for retention of 1 ground combat, 1 electronics and 1 aviation depot 	Army placed too much emphasis on plant capacity and less emphasis on relative installation size and age of buildings	No basis to disagree with 3 depot stationing strategy and military value analysis. Vehicle work can be absorbed by Anniston. One third of missile work is non core
Capacity utilization (FY 99)	Capacity exceeds programmed work by the equivalent of 1 or 2 depots	<ul style="list-style-type: none"> • Expanded public / private teaming would improve utilization rate • Transfer Bradley or M113 work from Red River 	<ul style="list-style-type: none"> • With no new work Letterkenny utilization rate would be 52% in FY 99, or 26% based on max capacity • United Defense anticipates continuing work through 2001
Military Construction Costs	Not Considered	\$6.2 million	\$5.7 million
Personnel Training Costs	Not Considered	\$31.9 million	\$10 million
Total One Time Cost	\$50 million	\$231 million	\$65 million

ISSUES: TACTICAL MISSILES

COMMISSION Alternative: close Tobyhanna; electronics to Letterkenny

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Military Value	Tobyhanna ranked 1 of 4 Stationing strategy calls for retention of 3 depots --1 ground, 1 electronics, and 1 aviation depot	Tobyhanna community has adopted the slogan "keep the best"	No basis to disagree with the 3 depot strategy and military value analysis
Capacity utilization	Capacity exceeds programmed work by the equivalent of 1 or 2 depots. Tobyhanna should be retained as the single Army electronics depot.	Community believes electronics workload will not fit into the Letterkenny infrastructure without extensive renovations	agree with the community
Military Construction Costs	\$76.9 million	\$116 million	No basis to question DOD estimate
Personnel Training Costs	None	\$102 million	DOD estimate assumes that 2300 experienced civilians would transfer. on this basis training would be minimal.
Total One Time Costs	\$154.5 million	\$360.8 million	No basis to question DOD estimate

SCENARIO SUMMARY

LETTERKENNY AND TOBYHANNA ARMY DEPOT

DoD RECOMMENDATION		COMMISSION ALTERNATIVE	
<p>Realign Letterkenny, move tactical missile guidance system workload to Tobyhanna and combat vehicle maintenance to Anniston. Retain conventional ammunition and tactical missile storage and disassembly at Letterkenny.</p>		<p>Close Tobyhanna and move electronics workload to Letterkenny.</p>	
<p>One Time Costs (\$M): 50 Annual Savings (\$M): 76 Return on Investment: 1999 (Immediate) Net Present Value (\$M): 953</p>		<p>One Time Costs (\$M): 154 Annual Savings (\$M): 33 Return on Investment: 2005 (4 years) Net Present Value (\$M): 226</p>	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • Preserves interservicing, but location changed to Tobyhanna • Capitalizes on Tobyhanna electronics focus • Would increase Tobyhanna utilization rate • Supported by Joint Cross Service Group • Lower Cost 	<ul style="list-style-type: none"> • Requires some additional personnel training and building renovation at Tobyhanna • Tobyhanna depot has no missile storage capability 	<ul style="list-style-type: none"> • Would continue interservicing tactical missile consolidation as directed by the 1993 Commission • Would retain Letterkenny, a larger depot in terms of acres and building square footage 	<ul style="list-style-type: none"> • Closes the Army's highest rated depot • Closes Army's lowest cost depot • Closes the Army's newest depot • Would result in substantial expenditures to renovate existing Letterkenny buildings



NAVY DEPOTS / WAREHOUSE CENTERS

MILITARY VALUE	INSTALLATION
3116	NSWC LOUISVILLE, KY (C)
3066	NAWC INDIANAPOLIS, IN (C)
3495	NAWC LAKEHURST, NJ (C)

(C) = DoD recommendation for closure

(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = Commission add for further consideration

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

DOD RECOMMENDATION: Close the Naval Air Warfare Center, Aircraft Division, Indianapolis, Indiana. Relocate necessary functions along with associated personnel, equipment and support to other naval technical activities, primarily Naval Surface Warfare Center, Crane Indiana; Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland; and Naval Air Warfare Center, Weapons Division, China Lake, California.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	36.66
FORCE STRUCTURE	N / A
ONE-TIME COSTS (\$ M)	78
ANNUAL SAVINGS (\$ M)	39
RETURN ON INVESTMENT	2001 (1 year)
NET PRESENT VALUE (\$ M)	392
BASE OPERATING BUDGET (\$ M)	42
PERSONNEL ELIMINATED (MIL / CIV)	6 / 427
PERSONNEL REALIGNED (MIL / CIV)	30 / 1,584
ECONOMIC IMPACT (BRAC 95 / CUM)	0.9 / 2.2
ENVIRONMENTAL	Not on National Priorities List

**ISSUES REVIEWED
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA**

<p>CLOSURE COSTS</p>	<p>MILITARY VALUE FOR INTEGRATED CAPABILITIES</p> <p>MILCON COST AVOIDANCE</p> <p>MISCELLANEOUS RECURRING COSTS</p> <p>ONE-TIME UNIQUE COSTS</p> <p>AVERAGE SALARY PROJECTION</p> <p>RENOVATION AT: NAWC PATUXENT RIVER, MD NAWC CHINA LAKE, CA</p> <p>RECURRING COSTS / SAVINGS OF WORKLOAD TRANSFERRED TO THE PRIVATE SECTOR</p>
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ISSUES
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
<p>Closure Costs</p>	<p>One-Time cost: \$78 M</p> <p>Return on Investment: 1 Year</p> <p>\$8.627 M was excluded because it was to buy duplicative materials for the EP-3/ES-3 systems.</p> <p>Unique moving costs were excluded because these tasks were already built into the operations of an industrial site, and the work would be performed by government personnel.</p>	<p>One-Time cost: \$187 M</p> <p>Return on Investment: 39 Years</p> <p>Necessary to maintain the fleet support operations without jeopardizing the support mission.</p> <p>\$38.6 M will be incurred because these are closure related costs, and these costs are unique, and not built into the operating budget of an industrial site.</p>	<p>One-Time cost: \$125 M</p> <p>Return on Investment: 3 Years</p> <p>Concur with the community.</p> <p>Concur with the community.</p>

INDIANAPOLIS COMMUNITY'S

PRIVATIZATION PROPOSAL

DOD STATEMENT	COMMUNITY OBJECTIVES	R&A STAFF FINDINGS
<ul style="list-style-type: none"> • “I am persuaded that (Congressman Dan Burton and Mayor Steve Goldsmith) are correct in urging that we should seriously consider an option of privatizing work now being done at NAWC, Indianapolis in the event that the BRAC Commission supports the Defense Department’s recommendation that NAWC should be closed.” <p>Under Secretary of the Navy Richard Danzig</p>	<ul style="list-style-type: none"> • To continue operating like a business since funding already comes from customers. • Closure avoidance of \$187 M • Reduces Navy Infrastructure • No cost increases or subsidies borne by Navy/DOD customers • Maintain integrated engineering and quick response manufacturing capability. 	<ul style="list-style-type: none"> • Strong encouraging language necessary.

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

DoD RECOMMENDATION	
<p>Close the Naval Air Warfare Center, Aircraft Division, Indianapolis, Indiana. Relocate necessary functions along with associated personnel, equipment and support to other naval technical activities, primarily Naval Surface Warfare Center, Crane Indiana; Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland; and Naval Air Warfare Center, Weapons Division, China Lake, California.</p>	
<p>One Time Costs (\$M): 78 Annual Savings (\$M): 39 Return on Investment: 2003 (3 Years) Net Present Value (\$M): 392</p>	
PRO	CON
<p>This would result in the closure of a major technical center, and relocation of its principal functions to three other technical centers.</p> <p>Realizing both a reduction in excess capacity and significant economies while raising aggregate military value.</p>	<p>There is significant integration between the engineers, prototype manufacturers, and in service maintenance personnel that would be lost.</p> <p>The only Navy electronics oriented Rapid Acquisition of Manufactured Parts facility would be closed.</p>

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

DOD RECOMMENDATION: Close Naval Air Warfare Center, Aircraft Division, New Jersey, except transfer in place certain facilities and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland. Relocate other functions and associated personnel and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland, and the Naval Aviation Depot, Jacksonville, Florida. Relocate the Naval Air Technical Training Center Detachment, Lakehurst, to Naval Air Station, Pensacola, Florida. Relocate Naval mobile Construction Battalion 21, the US Army Communications-Electronics Command Airborne Engineering Evaluation Support Activity, and the Defense Reutilization and Marketing Office to other government-owned spaces.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	34.95
FORCE STRUCTURE	N / A
ONE-TIME COSTS (\$ M)	97
ANNUAL SAVINGS (\$ M)	37
RETURN ON INVESTMENT	2002 (3 years)
NET PRESENT VALUE (\$M)	359
BASE OPERATING BUDGET (\$ M)	56
PERSONNEL ELIMINATED (MIL / CIV)	283 / 214
PERSONNEL REALIGNED (MIL / CIV)	55 / 574
ECONOMIC IMPACT (BRAC 95 / CUM)	1.0 / 1.1
ENVIRONMENTAL	On the National Priorities List

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**ISSUES REVIEWED
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY**

DISMANTLEMENT OF INTER-DEPENDENT FUNCTIONS

FLEET EMERGENCY RESPONSE

CLOSURE/CANTONMENT COSTS

ALRE RDT&E

CONTRACTED WORKLOAD

MILCON AT NADEP JACKSONVILLE

MILITARY QUALITY OF LIFE

DEFENSE REUTILIZATION AND MARKETING OFFICE

ARMY CECOM UNIT

NAVAL MOBILE CONSTRUCTION BATTALION

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ISSUES
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Dismantlement of inter-dependent functions	<p>Industrial, economic, and performance advantages may be lost by separating manufacturing and prototyping, and to a lesser extent fleet support.</p> <p>More fully utilizes capabilities at other depot activities and technical centers.</p>	<p>There would be considerable risk to Naval Aviation if the unique ALRE capabilities that are reliant upon one another, are separated.</p>	<p>Increased risk to the mission of responding to fleet emergencies.</p> <p>Increased costs of utilizing the testing facilities cantoned at Lakehurst, that remain inter-dependent on the relocated functions.</p>
Fleet Emergency Response	<p>The separated response functions can communicate via teleconferencing, necessary TDY for engineering specialists between Lakehurst and Jacksonville.</p>	<p>Carrier emergency response time schedules would be pushed back 50 days due to the separation of inter-dependent functions existing in place at Lakehurst.</p>	<p>More complex emergency response process.</p> <p>Longer response time anticipated.</p>
Closure/Cantonment Costs	<p>One-Time cost: \$97 million</p> <p>Return on Investment: 3 Years</p> <p>Annual savings: \$37 million</p> <p>Cantonment estimate is \$15.67 M</p> <p>\$11.29 M for the Naval Air Technical Training Center (NATTC) was included in the COBRA.</p>	<p>One-Time cost: \$219 million</p> <p>Return on Investment: 51 Years</p> <p>Annual savings: No Response</p> <p>Cantonment estimate is \$26.23 M</p> <p>\$33.21 M is necessary to move the NATTC, conduct the MILCON, and reinstall the facility.</p>	<p>One-Time cost: \$119 million</p> <p>Return on Investment: 5 Years</p> <p>Annual savings: \$28 million</p> <p>Cantonment estimate is \$20 M</p> <p>Additional \$17 M of MILCON identified by NAVAIRCOM.</p> <p style="text-align: right;">D-14</p>

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

DoD RECOMMENDATION	
<p>Close Naval Air Warfare Center, Aircraft Division, New Jersey, except transfer in place certain facilities and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland. Relocate other functions and associated personnel and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland, and the Naval Aviation Depot, Jacksonville, Florida. Relocate the Naval Air Technical Training Center Detachment, Lakehurst, to Naval Air Station, Pensacola, Florida. Relocate Naval mobile Construction Battalion 21, the US Army Communications-Electronics Command Airborne Engineering Evaluation Support Activity, and the Defense Reutilization and Marketing Office to other government-owned spaces.</p>	
<p>One Time Costs (\$M): 97 Annual Savings (\$M): 37 Return on Investment: 2002 (3 Years) Net Present Value (\$M): 359</p>	
PRO	CON
<p>The closure and realignment of this activity permits elimination of the command and support structure of this activity and the consolidation of its most critical functions at a major technical center, allowing synergism with its parent command and more fully utilizing available capabilities at major depot activities. This recommendation retains at Lakehurst those facilities and personnel essential to conducting catapult and arresting gear testing and fleet support.</p>	<p>Increased risk to the mission of responding to fleet emergencies.</p> <p>Increased costs of utilizing the testing facilities cantoned at Lakehurst, that remain inter-dependent on the relocated functions.</p> <p>More complex emergency response process, and a longer response time anticipated.</p>

BASE ANALYSIS EGLIN AIR FORCE BASE, FL

DOD RECOMMENDATION: Realign Eglin AFB, FL by relocating electronic combat threat simulator and pod systems to Nellis AFB. Emitter-only systems at Eglin necessary to support Air Force Special Operations Command and Air Warfare Center, as well as armaments/weapons test and evaluation activities will be retained.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	I
BCEG RANK	1/1
FORCE STRUCTURE	Air Force base that tests aircraft armaments/weapons and electronic combat systems.
ONE-TIME COSTS (\$ M)	6.1
ANNUAL SAVINGS (\$ M)	3.7
RETURN ON INVESTMENT	2000 (2 Years)
NET PRESENT VALUE (\$ M)	42.1
BASE OPERATING BUDGET (\$ M)	69
PERSONNEL ELIMINATED (MIL / CIV)	00/00
PERSONNEL REALIGNED (MIL / CIV)	27/25
ECONOMIC IMPACT (BRAC 95 / CUM)	+1.3%/+1.3%
ENVIRONMENTAL	Minimal impact

ISSUES

EGLIN AIR FORCE BASE, FL

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COSTS	<ul style="list-style-type: none"> • MILCON: None, studying now • Tanker: None • Special Ops.: None • One-Time cost: \$6.1 M • Return on Investment: 2 years • Net Present Value: \$42.1 M 	<ul style="list-style-type: none"> • MILCON at receiving site (Nellis) not included • Tanker: \$1.4 M per year to get range time • Special Ops.: \$6.0 M/year add'l cost (travel/TDY, personnel, deployments, etc.) 	<ul style="list-style-type: none"> • MILCON: \$9.6 M, based on BOD study • Tanker: \$1.4 M per year additional cost. • Special Ops.: \$6.0 M (AF Air Warfare Center and Special Ops. Command) • One-Time cost: \$15.7 M • Return on Investment: Never • Net Present Value: Cost \$66.8M
CONSOLIDATION AT NELLIS	<ul style="list-style-type: none"> • One test range can do all 	<ul style="list-style-type: none"> • Delays due to build-up • Requires Edwards AFB as well 	<p>DOD Board of Directors rated Eglin highest rated EC range. In place, why risk move?</p>
ELECTRONIC COMBAT MASTER PLAN	<ul style="list-style-type: none"> • Assigned to Board of Directors 	<ul style="list-style-type: none"> • Congress requires prior to movement of electronic combat equipment 	<ul style="list-style-type: none"> • Not mandated, but warrants concern

SCENARIO SUMMARY

EGLIN AIR FORCE BASE, FL

DoD RECOMMENDATION	
<p>Realign Eglin AFB, FL by relocating electronic combat threat simulator and pod systems to Nellis AFB. Emitter-only systems at Eglin necessary to support Air Force Special Operations Command and Air Warfare Center, as well as armaments/weapons test and evaluation activities will be retained.</p>	
<p>One Time Costs (\$M): 6.1 Annual Savings (\$M): 3.7 Return on Investment: 2000 (2 years) Net Present Value (\$M): 42.1</p>	
PRO	CON
<ul style="list-style-type: none"> • Reduces excess capacity 	<ul style="list-style-type: none"> • Dismantles a highly rated EC test range

**BASE ANALYSIS
REAL-TIME DIGITALLY CONTROLLED ANALYZER PROCESSOR
(REDCAP)
BUFFALO, NY**

DOD RECOMMENDATION: Disestablish and relocate the required test activities and necessary support equipment to the Air Force Flight Test Center (AFFTC) at Edwards AFB, CA. Remaining equipment will be disposed of.

CRITERIA	DOD RECOMMENDATION
USAF TIERING	N/A
BCEG RANK	N/A
FORCE STRUCTURE	Air Defense Ground Test Simulation Facility
ONE-TIME COSTS (\$ M)	3.7
ANNUAL SAVINGS (\$ M)	0.9
RETURN ON INVESTMENT	2002 (4 Years)
NET PRESENT VALUE (\$ M)	8.9
BASE OPERATING BUDGET (\$ M)	N/A
PERSONNEL ELIMINATED (MIL / CIV)	1 / 1
PERSONNEL REALIGNED (MIL / CIV)	1 / 0
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0% / 0.0%
ENVIRONMENTAL	N/A

ISSUES
REAL-TIME DIGITALLY CONTROLLED ANALYZER PROCESSOR
(REDCAP)

ISSUES	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST TO CLOSE	<ul style="list-style-type: none"> • Initial: \$1.7M • Revised: \$3.7M • (MILCON: \$700K, Moving: \$1.74M) • Initial: 1 Yr, Revised: 4 Yrs 	<ul style="list-style-type: none"> • Estimated: \$13.8M - \$15.6M • (MILCON: \$6.0M - \$7.8M, Moving: \$6.5M) • 20+ Yrs 	<ul style="list-style-type: none"> • Different estimates are based on amount of equipment asserted necessary to be retained. • Estimated: \$4.2M • 5 Yrs
PROJECTED ESTIMATION OF WORKLOAD	<ul style="list-style-type: none"> • AF claims 10% of available capacity, based on operational test hours versus total test process capacity • Air Force claims test setup, operation, and analysis of data results should be analyzed separately 	<ul style="list-style-type: none"> • Estimated approximately 93% for 1995, based on facility-wide usage • States actual test time typically averages 15% of total test process time 	<ul style="list-style-type: none"> • BoD study shows approximately 34.2% for FY88-93, and 50-60% for FY 94,95 • Utilization based on test setup, operation, and analysis of data results • REDCAP is integrated scenario-dependent system, operation of some test systems restricts use of others
LEGALITY OF DISESTABLISHMENT ACTION.	<ul style="list-style-type: none"> • Proper 	<ul style="list-style-type: none"> • Improper: REDCAP not a standard military facility 	<ul style="list-style-type: none"> • AF General Counsel states action is appropriate under current BRAC statutes • Commission's GC concurs with determination

SCENARIO SUMMARY

REAL-TIME DIGITALLY CONTROLLED ANALYZER PROCESSOR (REDCAP)

DoD RECOMMENDATION	
Disestablishment. Relocate required test activities and necessary support equipment to the Air Force Flight Test Center at Edwards AFB, CA. Remaining equipment will be disposed of.	
One Time Costs (\$M): 3.7 Annual Savings (\$M): 0.9 Return on Investment: 4 years (2001) Net Present Value (\$M): 8.9	
PRO	CON
<ul style="list-style-type: none"> • Consolidation would create minor savings (annual savings: \$0.9M, NPV: \$8.9M), eliminate duplication, and reduce excess capacity • Excess capacity will be reduced at Edwards • Collocation will result in minor logistical efficiencies • Legal under BRAC statutes 	<ul style="list-style-type: none"> • One-Time cost increased from \$1.7M to \$3.7M, Return on Investment period increased from 1 to 4 years. • \$700K in MILCON at receiver site, and \$1.3M in restoration costs at current facility would be required

BASE ANALYSIS
AIR FORCE ELECTRONIC WARFARE EVALUATION SIMULATOR
FORT WORTH, TX

DOD RECOMMENDATION: Disestablish the Air Force Electronic Warfare Evaluation Simulator (AFEWES) activity in Fort Worth. Essential AFEWES capabilities and the required test activities will relocate to the Air Force Flight Test Center (AFFTC), Edwards AFB, CA. Workload and selected equipment from AFEWES will be transferred to AFFTC. AFEWES will be disestablished and any remaining equipment will be disposed of.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	N/A
BCEG RANK	N/A
FORCE STRUCTURE	Electronic combat laboratory for testing aircraft defensive countermeasures
ONE-TIME COSTS (\$ M)	8.9
ANNUAL SAVINGS (\$ M)	0.8
RETURN ON INVESTMENT	2011 (13 years)
NET PRESENT VALUE (\$ M)	2.1
BASE OPERATING BUDGET (\$ M)	N/A
PERSONNEL ELIMINATED (MIL / CIV)	02/01
PERSONNEL REALIGNED (MIL / CIV)	02/00
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0%/-0.1%
ENVIRONMENTAL	N/A

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ISSUES
AIR FORCE ELECTRONIC WARFARE EVALUATION SIMULATOR
FORT WORTH, TX

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST	<ul style="list-style-type: none"> • Cost to close: \$8.9 M • Return on Investment: 13 years • Cost to move-\$9 M • MILCON estimate-\$2.1 M 	<ul style="list-style-type: none"> • AFEWES move will cost \$44 M. DOD Board of Directors estimates cost to be \$50-60 M • MILCON \$8 M per Board of Directors <p>Move not cost effective.</p>	<ul style="list-style-type: none"> • Cost to close: \$34.9 M • Return on Investment: Never • \$20 M as additional one-time cost. • \$6 M additional MILCON at Edwards.
DISMANTLING OF CAPABILITY	Total current capability not required.	The only place to fully check an airplane in dense threat environment.	Concur with community.
ELECTRONIC LINKING	Assigned to Georgia Tech to Study	Cost effective and feasible.	Georgia Tech supports community.
ELECTRONIC COMBAT MASTER PLAN	Assigned to Board of Directors	Congress requires prior to movement of electronic combat equipment	Not binding, but warrants concern

SCENARIO SUMMARY
AIR FORCE ELECTRONIC WARFARE EVALUATION SIMULATOR
FORT WORTH, TX

DoD RECOMMENDATION	
<p>Disestablish the Air Force Electronic Warfare Evaluation Simulator (AFEWES) activity in Fort Worth. Essential AFEWES capabilities and the required test activities will relocate to the Air Force Flight Test Center (AFFTC), Edwards AFB, CA. Workload and selected equipment from AFEWES will be transferred to AFFTC. AFEWES will be disestablished and any remaining equipment will be disposed of.</p>	
<p>One Time Costs (\$M): 8.9 Annual Savings (\$M): 0.8 Return on Investment: 2011 (13 years) Net Present Value (\$M): 2.1</p>	
PRO	CON
<ul style="list-style-type: none"> • Relocation to an existing facility possessing an open air range • Reduces excess capacity and consolidates workload • Provides Edwards AFB an EC Test capability 	<ul style="list-style-type: none"> • Electronic combat master plan will not be available • Long payback period

BASE ANALYSIS

HILL AIR FORCE BASE, UT UTAH TEST AND TRAINING RANGE

DOD RECOMMENDATION: Realign Hill AFB by disestablishing the test range activity at UTTR. Transfer management responsibility for operation of UTTR from Air Force Material Command to Air Combat Command. Personnel, equipment and systems required to support the training range will be transferred to Air Combat Command. Some armament/weapons test and evaluation workload will transfer to Eglin and Edwards Air Force Bases.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	None
BCEG RANK	None
FORCE STRUCTURE	No Impact
ONE-TIME COSTS (\$ M)	.242
ANNUAL SAVINGS (\$ M)	6.3
RETURN ON INVESTMENT	1997 (Immediate)
NET PRESENT VALUE (\$ M)	93.6
BASE OPERATING BUDGET (\$ M)	0.244
PERSONNEL ELIMINATED (MIL/CIV)	6/0
PERSONNEL REALIGNED (MIL/CIV)	0/0
ECONOMIC IMPACT (BRAC 95/CUM)	-1.2% / -32.7%
ENVIRONMENTAL	Minimal Impact

ISSUES
HILL AIR FORCE BASE, UT
UTAH TEST AND TRAINING RANGE (UTTR)

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
PRIORITY OF TEST AND EVALUATION FUNCTIONS AT UTTR	Air Combat Command taking control of UTTR for use as a training range.	No formal expressions from the community.	Test and Evaluation to continue on UTTR per Air Force. Air Force conducted an audit and validated UTTR requirements and BRAC savings. Appropriate changes made to COBRA.

**SCENARIO SUMMARY
HILL AIR FORCE BASE, UT
UTAH TEST AND TRAINING RANGE (UTTR)**

DoD RECOMMENDATION	
<p>Realign Hill AFB by disestablishing the test range activity at UTTR. Transfer management responsibility for operation of UTTR from Air Force Material Command to Air Combat Command. Personnel, equipment and systems required to support the training range will be transferred to Air Combat Command. Some armament/weapons test and evaluation workload will transfer to Eglin and Edwards Air Force Bases.</p>	
<p>One Time Costs (\$M): .242 Annual Savings (\$M): 6.3 Return on Investment: Immediate Net Present Value (\$M): 93.6</p>	
PRO	CON
<p>Preserves range for training</p> <p>Allows large footprint weapons to undergo test and evaluation using mobile equipment</p>	

BASE ANALYSIS

WILLIAMS AIR FORCE BASE

MESA, ARIZONA

DOD RECOMMENDATION:

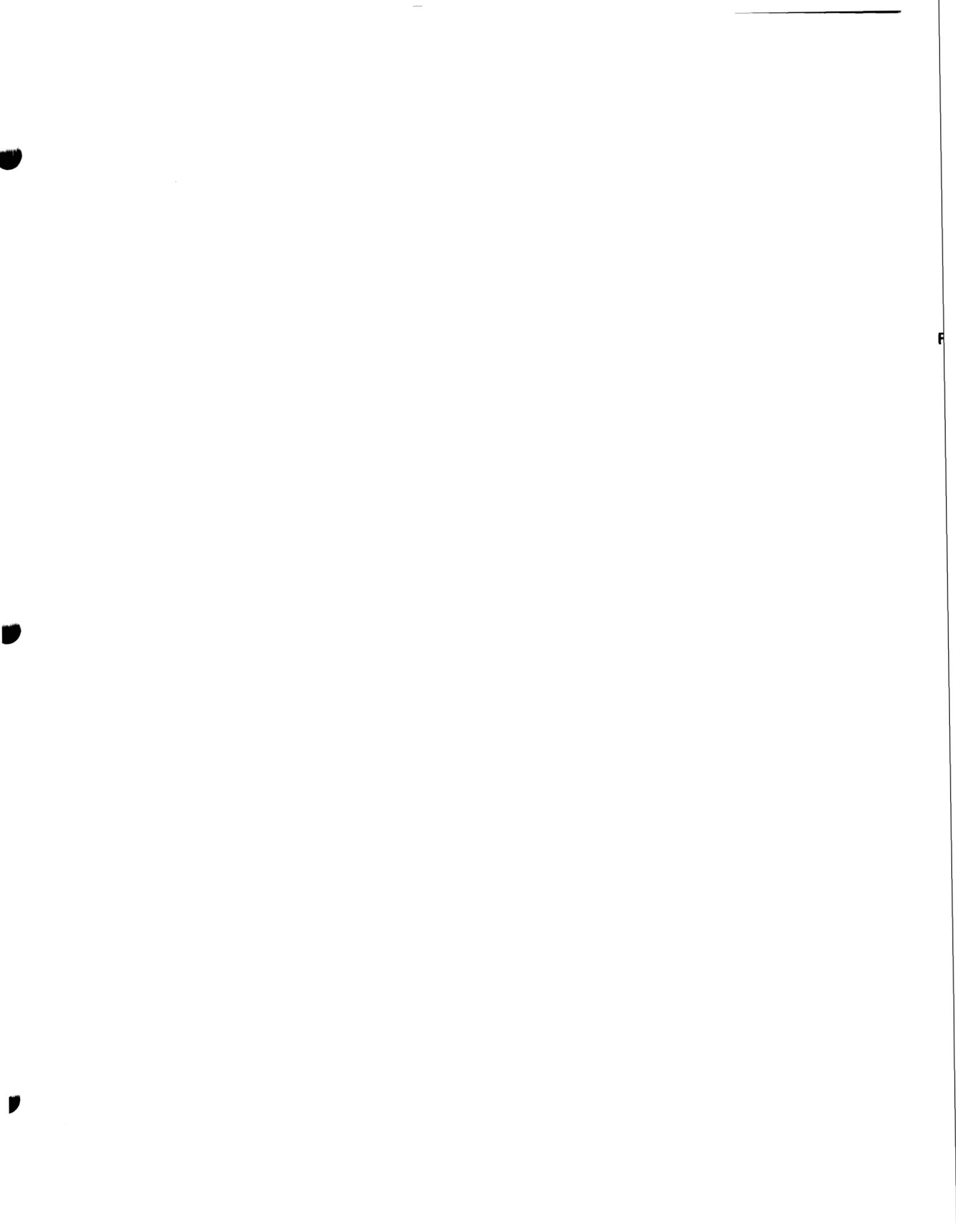
- Change the recommendation of the 91 Commission regarding the relocation of Williams AFB's Armstrong Laboratory Aircrew Training Research Facility to Orlando, Florida, as follows:
- The Armstrong Laboratory Training Research Facility at Mesa, Arizona, will remain at its present location as a stand-alone facility.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	N/A
BCEG RANK	N/A
FORCE STRUCTURE	AIRCREW TRAINING & RESEARCH LAB
ONE-TIME COSTS (\$ M)	0
ANNUAL SAVINGS (\$ M)	\$0.3
RETURN ON INVESTMENT	1996 (IMMEDIATE)
NET PRESENT VALUE (\$M)	21
BASE OPERATING BUDGET (\$ M)	\$0.75
PERSONNEL ELIMINATED (MIL / CIV)	0/0
PERSONNEL REALIGNED (MIL / CIV)	0/0
ECONOMIC IMPACT (BRAC 95 / CUM)	NONE/NONE
ENVIRONMENTAL	NO IMPACT

ISSUES

WILLIAMS AIR FORCE BASE, MESA, ARIZONA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
LEAVE IN PLACE	<ul style="list-style-type: none"> • Supports 	<ul style="list-style-type: none"> • Arizona community strongly supports • Has strong re-use plan that includes facility • Would like to move to nearby Luke AFB 	<ul style="list-style-type: none"> • Cost-effective, proximity to Luke AFB essential • Community plan would remain strong even if facility were to be moved. • Williams-Luke relationship important to Williams research, but too costly to move there
MOVE FACILITY TO FLORIDA AS PER 1991 COMMISSION RECOMMENDATION	<ul style="list-style-type: none"> • Opposes • Facilities not available at expected cost. • Navy needs fewer pilots now than in 91. 	<ul style="list-style-type: none"> • Orlando community maintains the Commission should go with original 91 recommendation for increased synergism with Army and Navy facilities in Orlando 	<ul style="list-style-type: none"> • DoD's needs have changed since 91; some Army and Navy facilities in Orlando no longer available • No source of fighter pilots nearby for research
MOVE FACILITY TO LUKE AFB	<ul style="list-style-type: none"> • Opposes, maintains costs too high 	<ul style="list-style-type: none"> • Arizona community would most prefer this option • Williams already has some functions at nearby Luke AFB 	<ul style="list-style-type: none"> • Ideal concept, however costs prohibitively high, estimates \$9-15M



**BASE ANALYSIS
 NAVAL AIR WARFARE CENTER, WEAPONS DIVISION
 POINT MUGU, CA**

DOD RECOMMENDATION: None. (Commission add)

COMMISSION ADD FOR CONSIDERATION: Study Naval Air Warfare Center, Point Mugu FOR REALIGNMENT to Naval Air Warfare Center, China Lake.

CRITERIA	DOD COBRA
MILITARY VALUE	2 of 8
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	805.4
ANNUAL SAVINGS (\$ M)	27.8
RETURN ON INVESTMENT	2064 (63 years)
NET PRESENT VALUE	436.4
BASE OPERATING BUDGET (\$ M)	107.2
PERSONNEL ELIMINATED (MIL / CIV)	255/177
PERSONNEL REALIGNED (MIL / CIV)	1077/2026
ECONOMIC IMPACT (BRAC 95 / CUM)	-3.0% / -3.0%
ENVIRONMENTAL	

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ISSUES REVIEWED
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION
POINT MUGU, CALIFORNIA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST	Cost to move to China Lake ranges from \$754-\$805 M (two different scenarios)	Point Mugu-Total move cost \$496 M Moved equipment rather than replicated it.	High cost to move negates any significant savings. Navy estimates very few personnel reductions in moving from Point Mugu to China Lake.
PERSONNEL REDUCTIONS	Previous BRAC 91 & Navy streamlining efforts reduced NAWC by 2000.	-Emphasizes personnel reductions that have already occurred -Critical of the DOD/IG report	2000 personnel reductions have taken place in NAWC since FY 91.
MILITARY VALUE	-Ranked 2nd of 64 tech. centers -Sea range unique.	Endorses high military value of Sea Range	Staff acknowledges that Sea Range is critical and should be retained. Mugu's military value is in its Sea Range capability.

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION
POINT MUGU, CA

COMMISSION ADD	
One Time Costs (\$M): 805.4 Annual Savings (\$M): 27.8 Return on Investment: 2064 (63 years) Net Present Value (\$M): 436.4	
PRO	CON
	Cost to move negates any significant savings Significant personnel reductions by Navy over the past few years allow little opportunity for further consolidation

BASE ANALYSIS

NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION WARMINSTER, PA

DOD RECOMMENDATION: Close the Naval Air Warfare Center, Aircraft Division, Warminster, PA. Relocate appropriate functions, personnel, equipment, and support to other activities, primarily the Naval Air Warfare Center, Aircraft Division, Patuxent, River, MD.

CRITERIA	DOD RECOMMENDATION *
MILITARY VALUE	6 of 8
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	8.4
ANNUAL SAVINGS (\$ M)	7.6
RETURN ON INVESTMENT (\$M)	1996 (Immediate)
NET PRESENT VALUE (\$M)	104.6
BASE OPERATING BUDGET (\$ M)	3.9
PERSONNEL ELIMINATED (MIL / CIV)	11/82
PERSONNEL REALIGNED (MIL / CIV)	5/212
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0% / -1.2%
ENVIRONMENTAL	Positive Effect

* = All costs and personnel figures include Naval, Command, Control and Surveillance Center, RDT&E Division.

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
WARMINSTER, PENNSYLVANIA

DoD RECOMMENDATION	
<p>Close the Naval Air Warfare Center, Aircraft Division, Warminster, Pennsylvania. Relocate appropriate functions, personnel, equipment, and support to other technical activities, primarily the Naval Command, Control and Ocean Surveillance Center, RDT&E Division, San Diego, California; and the Naval Oceanographic Office.</p>	
<p>One Time Costs (\$M): 8.4 Annual Savings (\$M): 7.6 Return on Investment: 1996 (Immediate) Net Present Value (\$M): 104.6</p>	
PRO	CON
<p>Reduces excess capacity</p> <p>Efficiencies and economies from consolidation</p>	

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BASE ANALYSIS
NAVAL COMMAND, CONTROL AND OCEAN SURVEILLANCE CENTER,
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION DIVISION
DETACHMENT, WARMINSTER, PA

DOD RECOMMENDATION: Close the Naval Command, Control and Ocean surveillance Center, RDT&E Division Detachment, Warminster, PA. Relocate appropriate functions, personnel, equipment, and support to other technical activities, primarily the Naval Command, Control and Ocean Surveillance Center, RDT&E Division, San Diego, CA; and the Naval Oceanographic Office.

CRITERIA	DOD RECOMMENDATION *
MILITARY VALUE	2 of 9
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	8.4
ANNUAL SAVINGS (\$ M)	7.6
RETURN ON INVESTMENT (\$M)	1996 (Immediate)
NET PRESENT VALUE	104.6
BASE OPERATING BUDGET (\$ M)	3.9
PERSONNEL ELIMINATED (MIL/CIV)	11/82
PERSONNEL REALIGNED (MIL/CIV)	5/212
ECONOMIC IMPACT (BRAC 95/CUM)	0.0% / -1.2%
ENVIRONMENTAL	Positive Effect

* = All cost and personnel figures included in base analysis for Naval Air Warfare Center, Warminster, PA.

SCENARIO SUMMARY
NAVAL COMMAND, CONTROL AND OCEAN SURVEILLANCE CENTER,
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION DIVISION
DETACHMENT, WARMINSTER, PA

DoD RECOMMENDATION	
<p>Close the Naval Command, Control and Ocean surveillance Center, RDT&E Division Detachment, Warminster, Pennsylvania. Relocate appropriate functions, personnel, equipment, and support to other technical activities, primarily the Naval Command, Control and Ocean Surveillance Center, RDT&E Division, San Diego, California; and the Naval Oceanographic Office.</p>	
<p>One Time Costs (\$M): 8.4 Annual Savings (\$M): 7.6 Return on Investment: 1996 (Immediate) Net Present Value (\$M): 104.6</p>	
PRO	CON
Reduces excess capacity	

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, OPEN WATER TEST
FACILITY, ORELAND, PA

DOD RECOMMENDATION: Close the Naval Air Warfare Center, Aircraft Division's Open Water Test Facility in Oreland, PA.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	8 of 8
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	0.050
ANNUAL SAVINGS (\$ M)	0.015
RETURN ON INVESTMENT	1999 (3 years)
NET PRESENT VALUE (\$M)	0.175
BASE OPERATING BUDGET (\$ M)	0.015
PERSONNEL ELIMINATED (MIL/CIV)	0/0
PERSONNEL REALIGNED (MIL/CIV)	0/0
ECONOMIC IMPACT (BRAC 95/CUM)	None
ENVIRONMENTAL	

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, OPEN WATER TEST FACILITY, ORELAND, PA

DoD RECOMMENDATION	
Close the Naval Air Warfare Center, Aircraft Division's Open Water Test Facility in Oreland, PA.	
One Time Costs (\$M): 0.050 Annual Savings (\$M): 0.015 Return on Investment: 1999 (3 years) Net Present Value (\$M): 0.175	
PRO	CON
Reduces excess capacity by eliminating redundant capability in Navy	

BASE ANALYSIS
NAVAL UNDERSEA WARFARE CENTER, NEWPORT DIVISION
NEW LONDON DETACHMENT, NEW LONDON, CT

DOD RECOMMENDATION: Disestablish the Naval Undersea Warfare Center, Newport Division, New London Detachment, New London, CT, and relocate necessary functions with associated personnel, equipment, and support to Naval Undersea Warfare Center, Newport Division, Newport, RI. Close the New London facility, except retain Pier 7 which is transferred to the Navy Submarine Base New London. The site presently occupied by the U. S. Coast Guard Station, New London, will be transferred to the U. S. Coast Guard. The Navy Submarine Base, New London, Magnetic Silencing Facility will remain in its present location as a tenant of the U. S. Coast Guard. Naval reserve units will relocate to other naval activities, primarily NUWC Newport, RI, and Navy Submarine Base, New London, CT.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	3 OF 4
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	23.4
ANNUAL SAVINGS (\$ M)	8.1
RETURN ON INVESTMENT	2000 (3 years)
NET PRESENT VALUE	91.2
BASE OPERATING BUDGET (\$ M)	18.1
PERSONNEL ELIMINATED (MIL / CIV)	5/58
PERSONNEL REALIGNED (MIL / CIV)	0/420
ECONOMIC IMPACT (BRAC 95 / CUM)	-1.0% / -3.2%
ENVIRONMENTAL	Positive Effect

ISSUES
NAVAL UNDERSEA WARFARE CENTER, NEWPORT DIVISION
NEW LONDON DETACHMENT, NEW LONDON, CT

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
MILITARY VALUE	No loss in technical capability, no delays in ongoing RDT&E programs, and no significant loss in technical personnel anticipated by move.	World class expertise and synergy sacrificed with move. No real functional consolidation.	Agree with DOD.
BRAC 95 COST AND SAVINGS ESTIMATES	Navy cited its basis for two BRAC 95 cost items in particular- New Hire Costs and Homeowners Assistance Program.	Major errors in estimating one-time costs. Community claims costs understated and savings overstated. Community concerns largely based on BRAC 91 data.	Navy adequately defended cost and savings estimates for BRAC 95.
SUITABILITY OF TOWED ARRAY FACILITY IN NEWPORT	Building in Newport in use for over 30 years and perfectly suitable for towed array.	Building in Newport to house towed array unsuitable.	Navy's position sound.

SCENARIO SUMMARY
NAVAL UNDERSEA WARFARE CENTER, NEWPORT DIVISION
NEW LONDON DETACHMENT, NEW LONDON, CT

DoD RECOMMENDATION	
<p>Disestablish the Naval Undersea Warfare Center, Newport Division, New London Detachment, New London, CT, and relocate necessary functions with associated personnel, equipment, and support to Naval Undersea Warfare Center, Newport Division, Newport, RI. Close the New London facility, except retain Pier 7 which is transferred to the Navy Submarine Base New London. The site presently occupied by the U. S. Coast Guard Station, New London, will be transferred to the U. S. Coast Guard. The Navy Submarine Base, New London, Magnetic Silencing Facility will remain in its present location as a tenant of the U. S. Coast Guard. Naval reserve units will relocate to other naval activities, primarily NUWC Newport, RI, and Navy Submarine Base, New London, CT.</p>	
<p>One Time Costs (\$M): 23.4 Annual Savings (\$M): 8.1 Return on Investment: 2000 (3 years) Net Present Value (\$M): 91.2</p>	
PRO	CON
<p>Reduces excess capacity</p> <p>Consolidates R & D functions</p> <p>Reduces cost</p>	

BASE ANALYSIS

NAVAL BIODYNAMICS LAB, NEW ORLEANS, LA

DOD RECOMMENDATION:

- - Closure; relocate necessary personnel to Wright-Patterson AFB, Dayton, OH, and Naval Medical Research Laboratory, Pensacola, FL.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	5 (out of 6)
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	\$0.6M
ANNUAL SAVINGS (\$ M)	\$2.9M
RETURN ON INVESTMENT	1996 (Immediate)
NET PRESENT VALUE (\$M)	\$41.8M
BASE OPERATING BUDGET (\$ M)	\$0.61M
PERSONNEL ELIMINATED (MIL / CIV)	12/37
PERSONNEL REALIGNED (MIL / CIV)	3/0
ECONOMIC IMPACT (BRAC 95 / CUM)	less than .001/less than .001
ENVIRONMENTAL	No impact

ISSUES

NAVAL BIODYNAMICS LAB

NEW ORLEANS, LOUISIANA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
CLOSURE	<ul style="list-style-type: none">• Supports	<ul style="list-style-type: none">• No formal expressions from community	<ul style="list-style-type: none">• Cost-effective
LOSS OF MISSION	<ul style="list-style-type: none">• Expects University of New Orleans to take over facility	<ul style="list-style-type: none">• No formal expressions from community	<ul style="list-style-type: none">• Some equipment is unique in Navy, facility will not be lost• Concur that Navy could contract facility in future if needed

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BASE ANALYSIS

NAVAL MEDICAL RESEARCH INSTITUTE

BETHESDA, MARYLAND

DOD RECOMMENDATION:

- Close the Naval Medical Research Institute, Bethesda, Maryland
- Consolidate the personnel of the Diving Medicine Program with the Experimental Diving Unit, Naval Surface Warfare Center, Dahlgren Division, Coastal Systems Station, Panama City, Florida
- Relocate the Infectious Diseases, Combat Casualty Care and Operational Medicine Programs, along with necessary personnel and equipment to the Walter Reed Army Institute for Research at Forest Glen, Maryland

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	4 out of 6
FORCE STRUCTURE	Naval Research Lab
ONE-TIME COSTS (\$ M)	3.4
ANNUAL SAVINGS (\$ M)	9.5
RETURN ON INVESTMENT	2000 (1 Year)
NET PRESENT VALUE (\$M)	111
BASE OPERATING BUDGET (\$ M)	7.5
PERSONNEL ELIMINATED (MIL / CIV)	12/37
PERSONNEL REALIGNED (MIL / CIV)	3/0
ECONOMIC IMPACT (BRAC 95 / CUM)	less than .001/less than .001
ENVIRONMENTAL	No impact

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ISSUES

NAVAL MEDICAL RESEARCH INSTITUTE BETHESDA, MARYLAND

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
<ul style="list-style-type: none"> • CLOSE NMRI • CONSOLIDATE ALL BUT DIVING PROGRAM AT WALTER REED • MOVE DIVING FACILITY TO PANAMA CITY, FLORIDA. 	<ul style="list-style-type: none"> • Current proposal. 	<ul style="list-style-type: none"> • Supports, except for diving program. • Has not submitted any alternative proposals, other than to verbally support the cantonment of the current diving facility 	<ul style="list-style-type: none"> • Diving facility cannot be cantoned with any cost savings • Mission can be taken up in Florida
<p>CONSOLIDATION OF MEDICAL RESEARCH AT WALTER REED</p>	<ul style="list-style-type: none"> • Current proposal 	<ul style="list-style-type: none"> • Supports. 	<ul style="list-style-type: none"> • Universal support for plan • Tri-service consolidation
<p>LOSS OF SYNERGY AT BETHESDA</p>	<ul style="list-style-type: none"> • Not considered 	<ul style="list-style-type: none"> • Will be lost 	<ul style="list-style-type: none"> • Florida DoD proposed facility near Tyndall, Eglin and Pensacola Naval Hospital • Some loss of brainpower and synergy inevitable, however.
<p>LOSS OF EQUIPMENT</p>	<ul style="list-style-type: none"> • Some transferred 	<ul style="list-style-type: none"> • Concern that new hydrogen facility & environmental room will be lost 	<ul style="list-style-type: none"> • Hydrogen facility to be taken over by Walter Reed • Environment room to be re-constructed in Florida

BASE ANALYSIS

NAVAL RESEARCH LABORATORY UNDERWATER SOUND REFERENCE DETACHMENT ORLANDO, FLORIDA

DOD RECOMMENDATION:

- Disestablish NRL-UWSRD Orlando.
- Relocate the calibration and standards function with associated personnel, equipment and support to the Naval Undersea Warfare Center, Newport Division, Newport, Rhode Island, except for the Anechoic Tank Facility I, which will be excessed.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	1 out of 1
FORCE STRUCTURE	Naval Research Lab
ONE-TIME COSTS (\$ M)	\$8.4M
ANNUAL SAVINGS (\$ M)	\$2.8M
RETURN ON INVESTMENT	2000 (3 Years)
NET PRESENT VALUE (\$M)	\$30.1M
BASE OPERATING BUDGET (\$ M)	\$10.3M
PERSONNEL ELIMINATED (MIL / CIV)	0/45
PERSONNEL REALIGNED (MIL / CIV)	0/55
ECONOMIC IMPACT (BRAC 95 / CUM)	less than .001/less than .001
ENVIRONMENTAL	No Impact

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ISSUES

NAVAL RESEARCH LABORATORY UNDERWATER SOUND REFERENCE DETACHMENT ORLANDO, FLORIDA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
CLOSE LAB AND RELOCATE MISSION TO RHODE ISLAND	<ul style="list-style-type: none"> • Supports 	<ul style="list-style-type: none"> • Retain in place in Florida 	<ul style="list-style-type: none"> • Newport, Rhode Island can absorb facility and personnel without loss to mission • No new construction or renovation required
MISSION EFFECTIVENESS MILITARY VALUE	<ul style="list-style-type: none"> • Other Navy facilities can handle mission 	<ul style="list-style-type: none"> • Testing lake is unique, has long history 	<ul style="list-style-type: none"> • Other Navy facilities can absorb activities without loss to mission • Technology has replaced need for facility • Navy goal to consolidate with full spectrum lab reasonable
COST TO MOVE	<ul style="list-style-type: none"> • \$8.4M to move • \$2.8M annual savings after 3 years 	<ul style="list-style-type: none"> • Upfront costs too high 	<ul style="list-style-type: none"> • One-time costs reasonable given amount of equipment • Good return on investment

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BASE ANALYSIS

NAVAL COMMAND, CONTROL AND OCEAN SURVEILLANCE CENTER IN-SERVICE ENGINEERING, EAST COAST DETACHMENT, NORFOLK, VIRGINIA

DOD RECOMMENDATION: Close the In-Service Engineering East Coast Detachment, St. Juliens Creek Annex, Norfolk, Virginia, of the Naval Command, Control and Ocean Surveillance Center, except retain in place the transmit and receive equipment and antennas currently at the St. Juliens Creek Annex. Relocate functions, necessary personnel and equipment to Norfolk Naval Shipyard, Norfolk, Virginia.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	18.13
FORCE STRUCTURE	C4I support for fleet systems
ONE-TIME COSTS (\$ M)	5
ANNUAL SAVINGS (\$ M)	2
RETURN ON INVESTMENT	2002 (3 years)
NET PRESENT VALUE (\$ M)	20.4
BASE OPERATING BUDGET (\$ M)	12
PERSONNEL ELIMINATED (MIL / CIV)	0 / 0
PERSONNEL REALIGNED (MIL / CIV)	6 / 53
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0 / 1.0
ENVIRONMENTAL	Not on National Priorities List

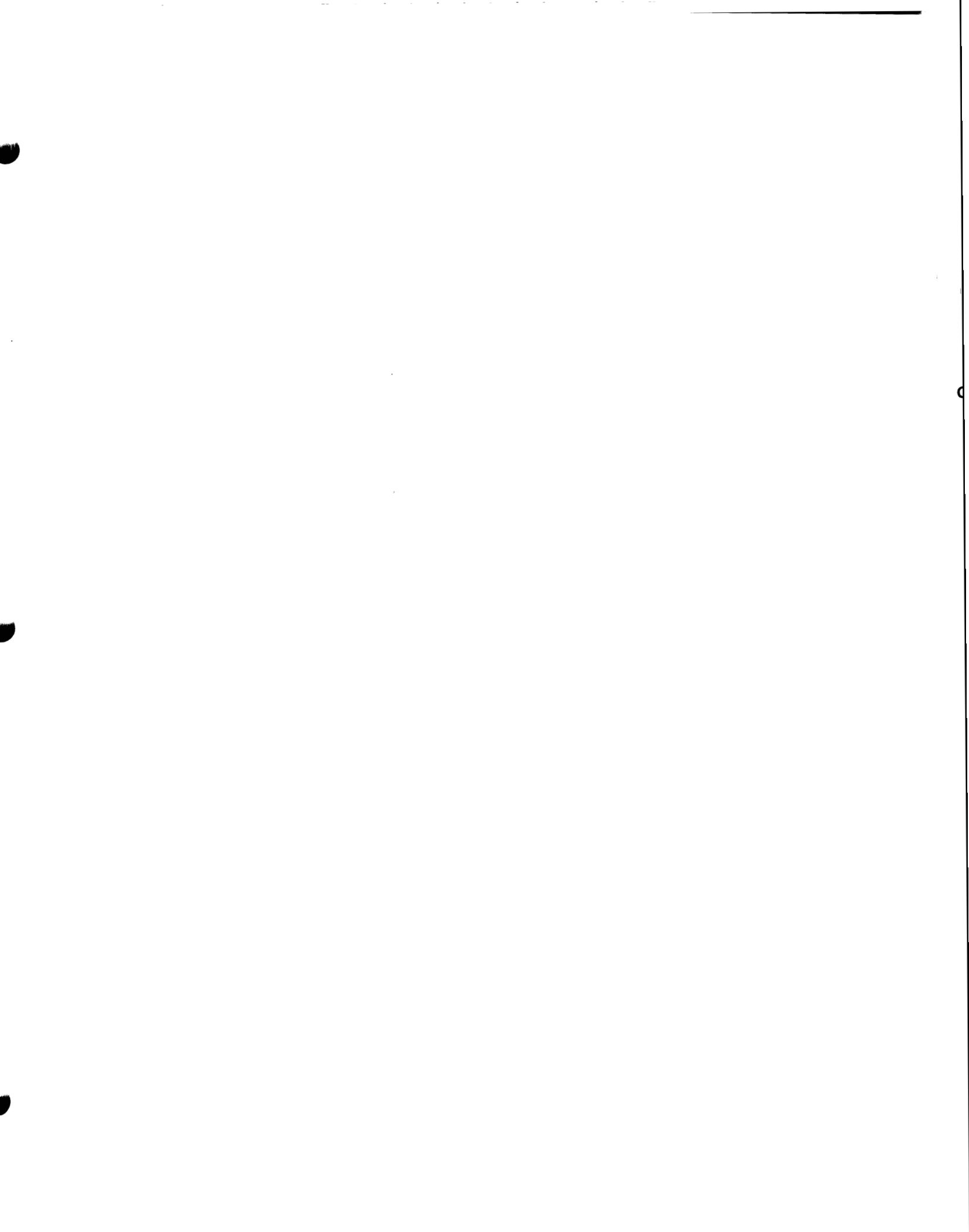
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SCENARIO SUMMARY

Naval Command, Control and Ocean Surveillance Center In-Service Engineering, East Coast Detachment, Norfolk, Virginia

DoD RECOMMENDATION	
<p>Close the In-Service Engineering East Coast Detachment, St. Juliens Creek Annex, Norfolk, Virginia, of the Naval Command, Control and Ocean Surveillance Center, except retain in place the transmit and receive equipment and antennas currently at the St. Juliens Creek Annex. Relocate functions, necessary personnel and equipment to Norfolk Naval Shipyard, Norfolk, Virginia.</p>	
<p>One Time Costs (\$M): 5 Annual Savings (\$M): 2 Return on Investment: 2002 (3 Years) Net Present Value (\$M): 20</p>	
PRO	CON
<p>The closure of this activity and the relocation of its principle functions achieves improved efficiencies and a reduction of excess capacity by aligning its functions with other fleet support provided by the shipyard.</p>	<p>None</p>

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BASE ANALYSIS DUGWAY PROVING GROUND, UT

DOD RECOMMENDATION: Realign Dugway Proving Ground by relocating the smoke and obscurant mission to Yuma Proving Ground, AZ, and some elements of chemical/biological research to Aberdeen Proving Ground, MD. Dispose of English Village and retain test and experimentation facilities necessary to support Army and DoD missions.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	4 of 4
FORCE STRUCTURE	No Impact
ONE-TIME COSTS (\$ M)	7.9
ANNUAL SAVINGS (\$ M)	19.6
RETURN ON INVESTMENT	1996 (Immediate)
NET PRESENT VALUE (\$M)	248.7
BASE OPERATING BUDGET (\$ M)	39.5
PERSONNEL ELIMINATED (MIL / CIV)	0/249
PERSONNEL REALIGNED (MIL / CIV)	18/64
ECONOMIC IMPACT (BRAC 95 / CUM)	-9.3% / -32.7%
ENVIRONMENTAL	None

ISSUES
DUGWAY PROVING GROUND, UT

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
CLOSURE OF ENGLISH VILLAGE / QUALITY OF LIFE	CLOSE	KEEP OPEN REDUCED QUALITY OF LIFE AND LOSS OF PRODUCTIVITY WITH CLOSURE OF ENGLISH VILLAGE.	KEEP OPEN
PERSONNEL REALIGNMENTS	SMOKE AND OBSCURANTS MISSION TO YUMA CHEMICAL / BIOLOGICAL RESEARCH TO ABERDEEN	NONE	PERMITTING PROBLEMS AT BOTH LOCATIONS. PERSONNEL SHOULD BE RETAINED AT DUGWAY.

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SCENARIO SUMMARY DUGWAY PROVING GROUND, UT

DoD RECOMMENDATION
Realign Dugway Proving Ground by relocating the smoke and obscurant mission to Yuma Proving Ground, AZ, and some elements of chemical/biological research to Aberdeen Proving Ground, MD. Dispose of English Village and retain test and experimentation facilities necessary to support Army and DoD missions.
One Time Costs (\$M): 7.8
Annual Savings (\$M): 19.6
Return on Investment: Immediate 1996
Net Present Value (\$M): 248.7

CURRENT DOD POSITION

Secretary of Defense June 14, 1995 supported removing the following recommendation:

- Dugway Proving Ground. The Army recommended the realignment of Dugway, the relocation of some testing functions and disposal of the English Village base support area. Upon further consideration, the Army has determined that operational considerations no longer warrant relocating chemical/biological testing elements to Aberdeen Proving Ground and smoke/obscurants testing to Yuma Proving Ground. Since testing must remain because of facility restrictions and permit requirements, the base operating support, including English Village, should remain commensurate with the testing mission.



DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION
1700 NORTH MOORE STREET SUITE 1425
ARLINGTON, VA 22209
703-696-0504

POTENTIAL WITNESSES
Final Deliberations 1995

The following staff members of the Commission will testify before Commissioners, as required.

David Lyles, Staff Director
Charles C. Smith, Jr., Executive Director
Ben Borden, Director of Review and
Analysis

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Rick Brown, Army Senior Analyst
J.J. Gertler, Army Senior Analyst
Steve Bailey, Army DoD Analyst
Bob Miller, Army DoD Analyst
David Lewis, Army GAO Analyst
Mike Kennedy, Army GAO Analyst
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Dave Henry, Interagency DoC Analyst
Deirdre Nurre, Interagency EPA Analyst
Ed Flippen, Interagency FAA Analyst
Marilyn Wasleski, Interagency GAO
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Ann Reese, Cross Service DoD Analyst
Glenn Knoepfle, Cross Service GAO
Analyst
Les Farrington, Cross Service GAO Analyst
Dick Helmer, Cross Service GAO Analyst
Brian Kerns, Cross Service Analyst
Joe Varallo, Cross Service Analyst

REVIEW & ANALYSIS ANALYST

Rob Kress, Analyst

COUNSELS

Madelyn Creedon, General Counsel
Ralph Kaiser, Counsel
Liz King, Counsel

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E. Air Force Installations

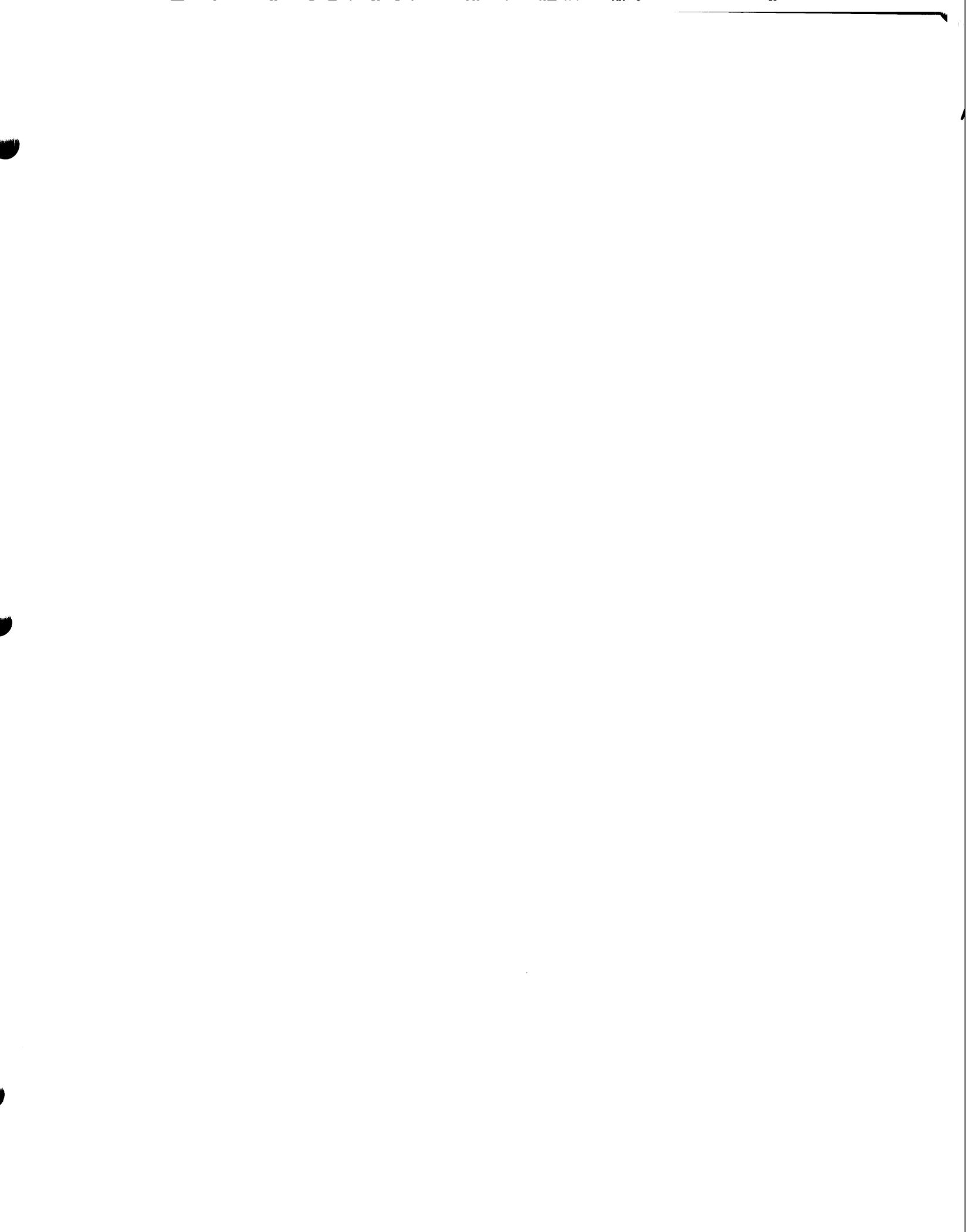
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- Naval Research Lab, Underwater Sound Reference, Orlando, Florida
- Naval Command Control and Ocean Surveillance Center, Norfolk, Virginia

G. Army Installations

- Dugway Proving Ground, Utah

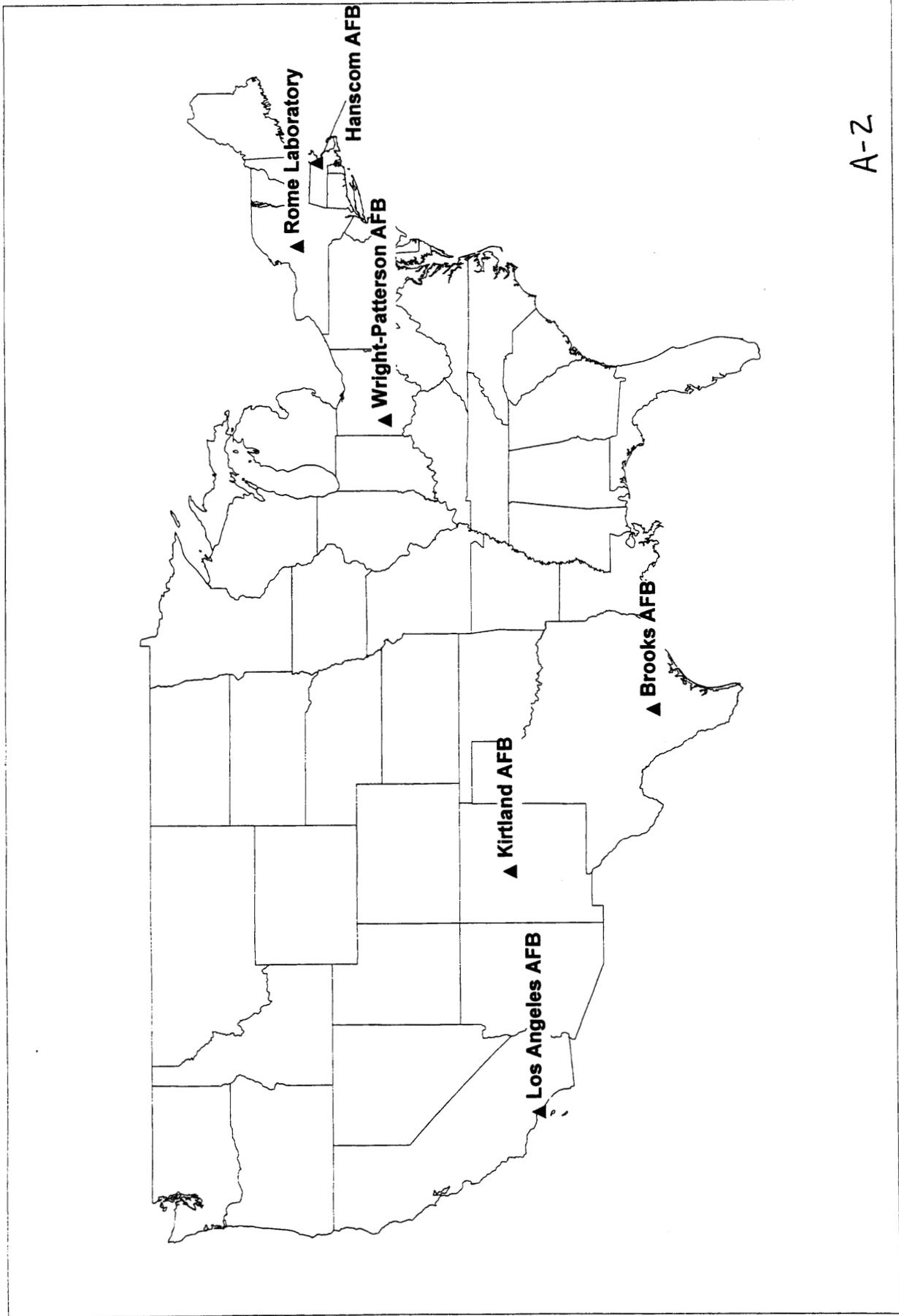


AIR FORCE PRODUCT CENTERS AND LABORATORIES

INSTALLATION	TIER
HANSCOM AFB	I
ROME LABORATORY	I
WRIGHT-PATTERSON AFB	I
KIRTLAND AFB	II
LOS ANGELES AFB	II
BROOKS AFB	III

Shaded categories have installations DoD has recommended for closure or realignment.

Air Force Product Centers and Laboratories



**BASE ANALYSIS
ROME LABORATORY (GRIFFISS AFB), NY**

DOD RECOMMENDATION: CLOSE ROME LABORATORY, NY AND RELOCATE ITS ACTIVITIES TO FORT MONMOUTH, NJ AND HANSCOM AFB, MA.

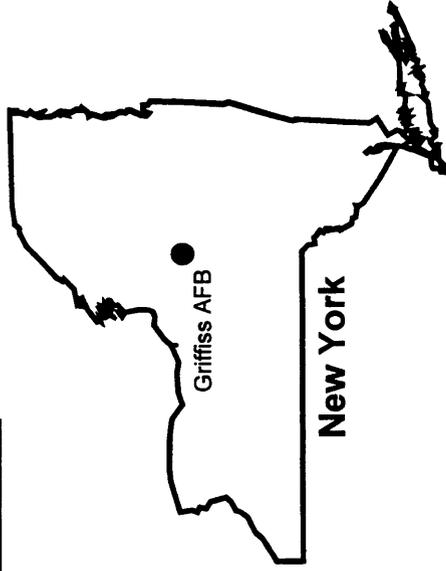
CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	TIER I
FORCE STRUCTURE	NO IMPACT
ONE-TIME COSTS (\$ M)	79.2
ANNUAL SAVINGS (\$ M)	13
RETURN ON INVESTMENT	2004 (6 YEARS)
NET PRESENT VALUE (COST) (\$M)	102.5
BASE OPERATING BUDGET (\$ M)	12
PERSONNEL ELIMINATED (MIL / CIV)	0/93
PERSONNEL REALIGNED (MIL / CIV)	10/726
ECONOMIC IMPACT (BRAC 95 / CUM)	-1.50/-6.20
ENVIRONMENTAL	NO IMPACT

Rome Laboratory - DoD Proposed Relocation

Current Directorates at Griffiss AFB

Intelligence & Reconnaissance
Command, Control, & Communications
Electromagnetics & Reliability
Surveillance & Photonics
Total of 955 Positions

Proposed Rome Laboratory Griffiss AFB



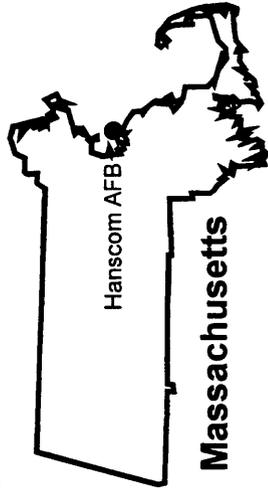
Test Sites and Mod & Fab Facility Proposed Activities

Electromagnetics & Reliability
Total of 65 Positions

Proposed Activities

Surveillance
Intelligence
Reconnaissance Software
Technology
Advanced C-2 Concepts
Space Communications
Total of 500 Positions

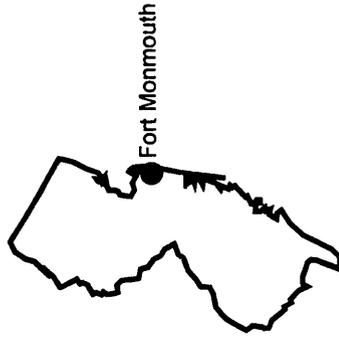
Rome Laboratory Hanscom AFB



Proposed Activities

Photonics
Electromagnetics & Reliability
Computer Systems
Radio Communications
Communication Networks
Total of 236 Positions

Rome Laboratory Fort Monmouth



New Jersey

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ISSUES REVIEWED
ROME LABORATORY (GRIFFISS AFB), NY

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST EFFECTIVENESS: ONE-TIME COST ANNUAL SAVINGS RETURN ON INVESTMENT	<ul style="list-style-type: none"> • \$79.2M • \$13.0M • 2004 (6 YEARS) 	<ul style="list-style-type: none"> • \$103.4M • 1.2M • 100 PLUS YEARS 	<ul style="list-style-type: none"> • \$90.3M • 8.3M • 2013 (13 YEARS)
SPACE AVAILABILITY	<ul style="list-style-type: none"> • Renovate laboratory space no new MILCON required 	<ul style="list-style-type: none"> • Renovation and new MILCON required 	<ul style="list-style-type: none"> • Additional MILCON required
CROSS-SERVICING	<ul style="list-style-type: none"> • Will increase C3I cross-servicing 	<ul style="list-style-type: none"> • Breaks up team-will reduce cross-servicing 	<ul style="list-style-type: none"> • No increase likely • Intelligence agency: "causes serious concern about ongoing work and planning for future work"
MISSION EFFECTIVENESS	<ul style="list-style-type: none"> • Some loss but will return later 	<ul style="list-style-type: none"> • Key personnel will not move-lab will never be the same 	<ul style="list-style-type: none"> • High probability that team expertise will be seriously degraded
COMMUNITY REUSE PLAN FOR GRIFFISS AFB	<ul style="list-style-type: none"> • Air force no longer committed to reuse plan, things change 	<ul style="list-style-type: none"> • Broken promise limits redevelopment 	<ul style="list-style-type: none"> • Will effect reuse plan

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**SCENARIO SUMMARY
ROME LABORATORY (GRIFFISS AFB), NY**

DOD RECOMMENDATION	
CLOSE ROME LAB, NY AND RELOCATE ITS ACTIVITIES TO FT. MONMOUTH, NJ AND HANSCOM AFB, MA.	
One Time Costs (\$M): 79.2 Annual Savings (\$M): 13 Return on Investment: 2004 (6 YEARS) Net Present Value (\$M): 102.5	
PRO	CON
<p align="center">CONSOLIDATES INFRASTRUCTURE</p> <p align="center">ELIMINATES SOME EXCESS LAB SPACE</p>	<p align="center">SIGNIFICANT ONE-TIME COST</p> <p align="center">LONG-TERM RETURN ON INVESTMENT</p> <p align="center">DELAYS IMPORTANT PROGRAMS</p> <p align="center">PROVEN TEAM WILL BE SEPARATED</p>

The following is an excerpt from Secretary Perry's June 9, 1995 Memorandum to Chairman Dixon:

“After reviewing the results of the site survey, it is my judgment that the recommendation for the realignment of Kirtland AFB no longer represents a financially or operationally sound scenario. I ask that you take these matters into consideration as the Commission conducts its review of my recommendations.”

BASE ANALYSIS

Kirtland Air Force Base

DOD RECOMMENDATION: Realign Kirtland Air Force Base.

CRITERIA	DOD RECOMMENDATION	AIR FORCE REVISION (May 3, 1995)	AIR FORCE REVISION with DOE COSTS
USAF TIERING	II	II	II
FORCE STRUCTURE	7 H/M C-130; 8 M/T H-53 7 HH-60; 4 UH-1 15 F-16	7 H/M C-130; 8 M/T H-53 7 HH-60; 4 UH-1 15 F-16	7 H/M C-130; 8 M/T H-53 7 HH-60; 4 UH-1 15 F-16
ONE-TIME COSTS (\$ M)	274.6	538.1	602.1
ANNUAL SAVINGS (\$ M)	62.0	32.9	2.3
RETURN ON INVESTMENT	2004 (3 years)	2020 (19 years)	100+ years
NET PRESENT VALUE (\$M)	467.1	-81.0	-496.3
BASE OPERATING BUDGET (\$ M)	38.1	54.6	54.6
PERSONNEL ELIMINATED (MIL / CIV)	905/470	733/0	733/0
PERSONNEL REALIGNED (MIL / CIV)	2,981/2,032	3,122/1,927	3,122/1,927
ECONOMIC IMPACT (BRAC 95 / CUM)	-3.6%/-3.6%	-2.9%/-2.9%	-2.9%/-2.9%
ENVIRONMENTAL	None	None	None

SCENARIO SUMMARY

Kirtland Air Force Base

DOD RECOMMENDATION	
<p>Realign Kirtland AFB</p> <ul style="list-style-type: none"> • 58th SOW will relocate to Holloman AFB. • AFOTEC will relocate to Eglin AFB. • AF Office of Security Police will relocate to Lackland AFB. • Inspection Agency and Safety Agency will relocate to Kelly AFB. • DNA will move Field Command activities to Kelly AFB. • DNA will move High Explosive Testing to Nellis AFB. • DNA's Radiation Simulator activities will remain in-place. • Phillips Laboratory will remain in a cantonment area. • 898th Munitions Squadron will remain in-place. • AFRES and ANG activities will remain in-place. • Air Force medical activities in the VA Hospital will terminate 	
<p>One Time Costs (\$M): 538.1 Steady State Savings (\$M): 32.9 Return on Investment: 19 years (2020) Net Present Value (\$M): -81.0</p>	
PRO	CON
<p>Reduces excess infrastructure</p>	<p>High cost to close</p> <p>Transfers costs to DOE</p> <p>Leaves military personnel without support</p> <p>Decreased security for remaining activities</p>

**BASE ANALYSIS
BROOKS AIR FORCE BASE,
SAN ANTONIO, TEXAS**

DOD RECOMMENDATION:

- Close Brooks Air Force Base.
- Relocate the Human Systems Center, including the School of Aerospace Medicine and Armstrong Laboratory, to Wright-Patterson Air Force Base, OH.
- Some portion of the Manpower and Personnel function, and the Air Force Drug Test laboratory, may relocate to other locations.
- The 68th Intelligence Squadron will relocate to Kelly AFB, Texas.
- The Air Force Center for Environmental Excellence will relocate to Tyndall AFB, FL.
- The 710th Intelligence Flight (AFRES) will relocate to Lackland AFB, Texas.
- The hyperbaric chamber operation, including associated personnel, will relocate to Lackland AFB, Texas.
- All activities and facilities at the base including family housing and the medical facility will close.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	III
BASE CLOSURE EXECUTIVE GROUP (BCEG) RANK	1/1
FORCE STRUCTURE	Laboratory & Product Center
ONE-TIME COSTS (\$ M)	211.5
ANNUAL SAVINGS (\$ M)	32.2
RETURN ON INVESTMENT	2007 (6 years)
NET PRESENT VALUE	158.1
BASE OPERATING BUDGET (\$ M)	13.7
PERSONNEL ELIMINATED (MIL / CIV)	247/259
PERSONNEL REALIGNED (MIL / CIV)	1690/1186
ECONOMIC IMPACT (BRAC 95 / CUM)	-1.0/-1.0
ENVIRONMENTAL	Minimal Impact

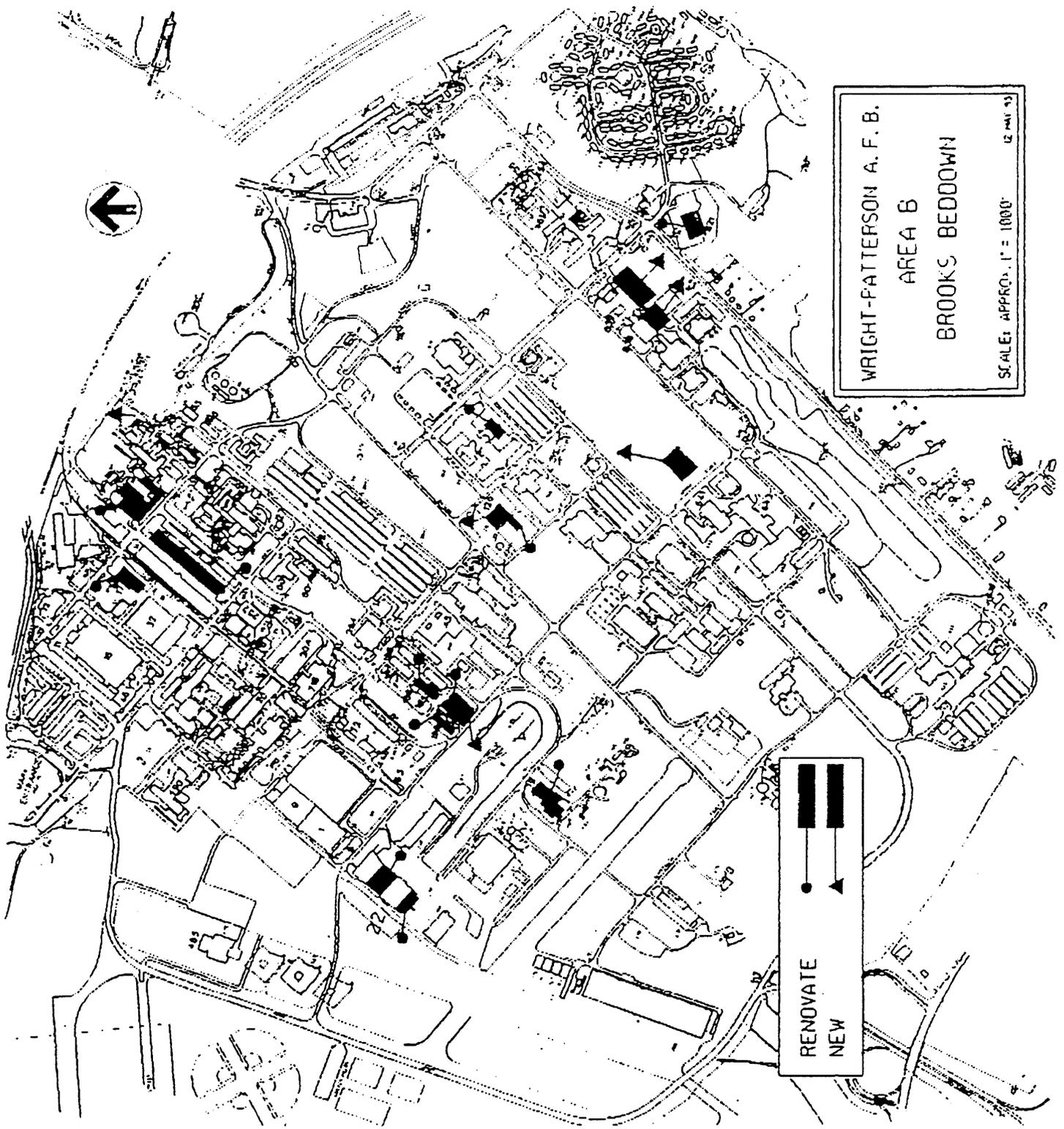
ISSUES
BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS

ISSUE	DoD POSITION	COMMUNITY POSITION	R & A STAFF FINDINGS
COST	<ul style="list-style-type: none"> • \$211.5M upfront to close and move, including Military Construction • Annual savings 30.8M after 7 years • Net Present Value Savings: \$158.1M • Major movement of personnel 	<ul style="list-style-type: none"> • CANTONMENT: \$11M upfront • Annual savings \$17.7M with immediate return • Net Present Value Savings: \$247.8M • Most remain except Base Operating Services personnel 	<ul style="list-style-type: none"> • Concur that cantonment save a minimum upfront of \$200M to close & move, with greater return on investment • Cantonment saves cost of Base Operating Services • Personnel movement costly • AF opposes cantonment
MISSION EFFECTIVENESS	<ul style="list-style-type: none"> • Consolidation at Wright-Patterson would enhance “man-machine” interface, as well as research, development & acquisition functions for aerospace 	<ul style="list-style-type: none"> • Movement of Brooks’ missions would significantly negatively impact research programs, thereby reducing its military value and effectiveness 	<ul style="list-style-type: none"> • “Man-machine” integration would be enhanced, but this is a very small effort • Project delays & interruptions to research would occur & 50-75 % of professionals would not move
EXCESS CAPACITY/FACILITIES	<ul style="list-style-type: none"> • Excess capacity exists at Wright-Patterson, and AF can better use that capacity by consolidating research activities there 	<ul style="list-style-type: none"> • Air Force’s claim of excess capacity is questionable due to AF’s plan to construct over 1 M sq. feet of new/renovated facilities at W-P & Tyndall 	<ul style="list-style-type: none"> • W-P has numerous empty office buildings, limited laboratory space, with new construction required • W-P facilities intended for Brooks currently substandard, costly to renovate • Brooks facilities “world-class”

A-12

A-14

WRIGHT-PATTERSON A. F. B.
AREA B
BROOKS BEDDOWN
SCALE: APPROX. 1" = 1000'
12 MAY 53



RENOVATE
NEW

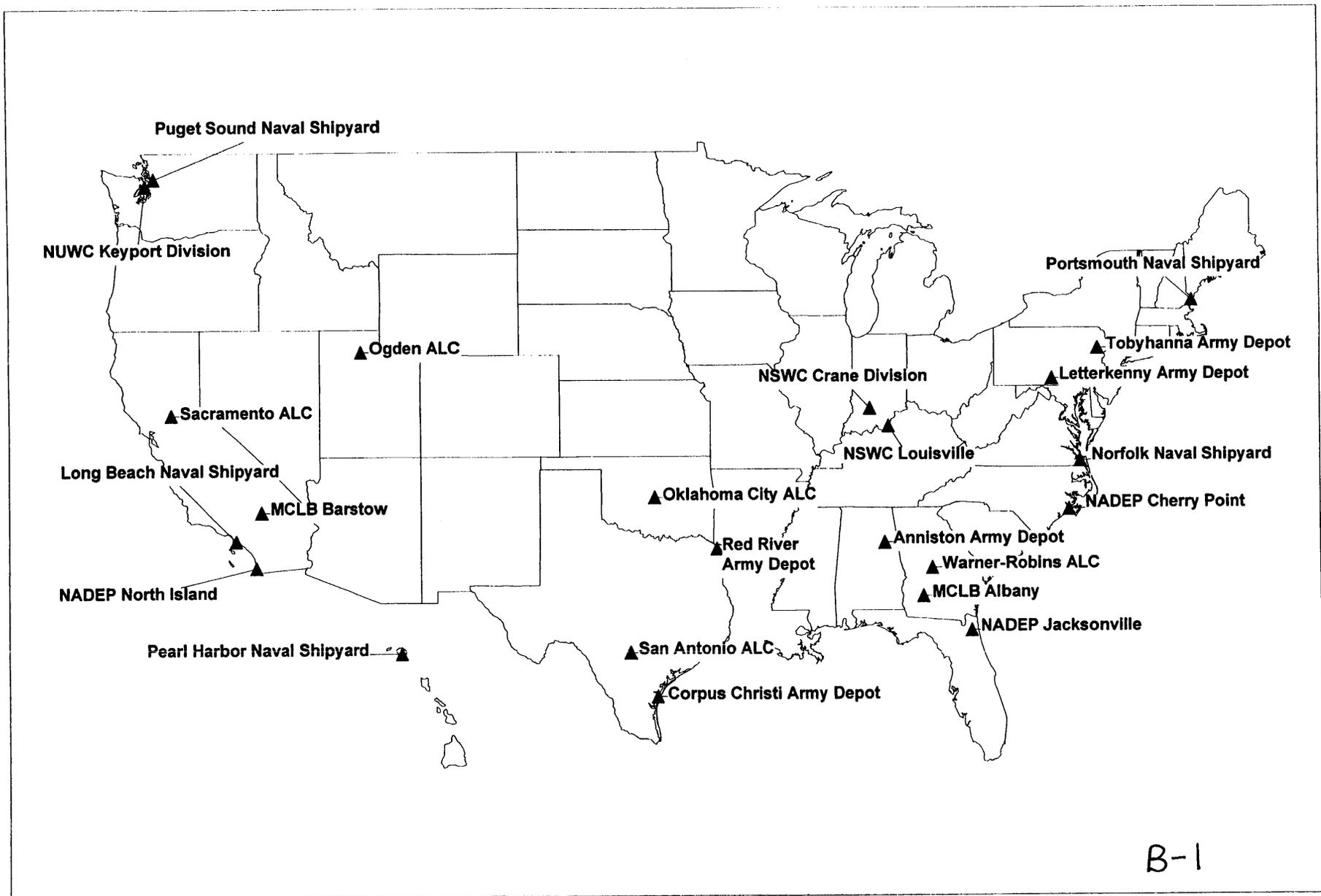


SCENARIO SUMMARY

BROOKS AIR FORCE BASE, SAN ANTONIO, TEXAS

DoD RECOMMENDATION		ALTERNATIVE	
CLOSE		CANTONMENT	
<p>Close Brooks Air Force Base. Relocate the Human Systems Center, including the School of Aerospace Medicine and Armstrong Laboratory, to Wright-Patterson Air Force Base, Ohio. However, some portion of the manpower and personnel function, and the Air Force Drug Test Laboratory, may relocate to other locations. The 68th Intelligence Squadron will relocate to Kelly AFB, Texas. The Air Force Center for Environmental Excellence will relocate to Tyndall AFB, Florida. The 710th Intelligence Flight will relocate to Lackland AFB, Texas. The hyperbaric chamber operation, including associated personnel, will relocate to Lackland AFB, Texas. All activities and facilities at the base including family housing and the medical facility will close.</p>		<p>Close Brooks Air Force Base, but retain all activities and facilities except base operation support facilities. Base operations support, including support of military family housing, is to be provided by Kelly or Lackland Air Force Base.</p>	
<p>One Time Costs (\$M): 211.5 Annual Savings (\$M): 32.2 Return on Investment: 6 years (2007) Net Present Value (\$M): 172.1</p>		<p>One Time Costs (\$M): 10.9 Annual Savings (\$M): 17.6 Return on Investment: Immediate (1996) Net Present Value (\$M): 247.8</p>	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • Reduces infrastructure • Creates greater “man-machine” synergy” 	<ul style="list-style-type: none"> • Over \$200 M upfront closure costs • Major disruption to research activities at Brooks • Most personnel probably will not re-locate 	<ul style="list-style-type: none"> • Avoids major disruption to research programs & world-class facility • Avoids loss of synergy with San Antonio bio-medical & aerospace community • Saves over \$200 M upfront 	<ul style="list-style-type: none"> • Does not reduce laboratory infrastructure • AF opposes cantonment, prefers retaining Brooks as is if Commission rejects recommendation • Can be logistically awkward

DoD Depot Maintenance Facilities Considered by the DoD Joint Cross Service Group



**BRAC Depot/Shipyard History
1988 — 1993 and 1995 DoD Proposed**

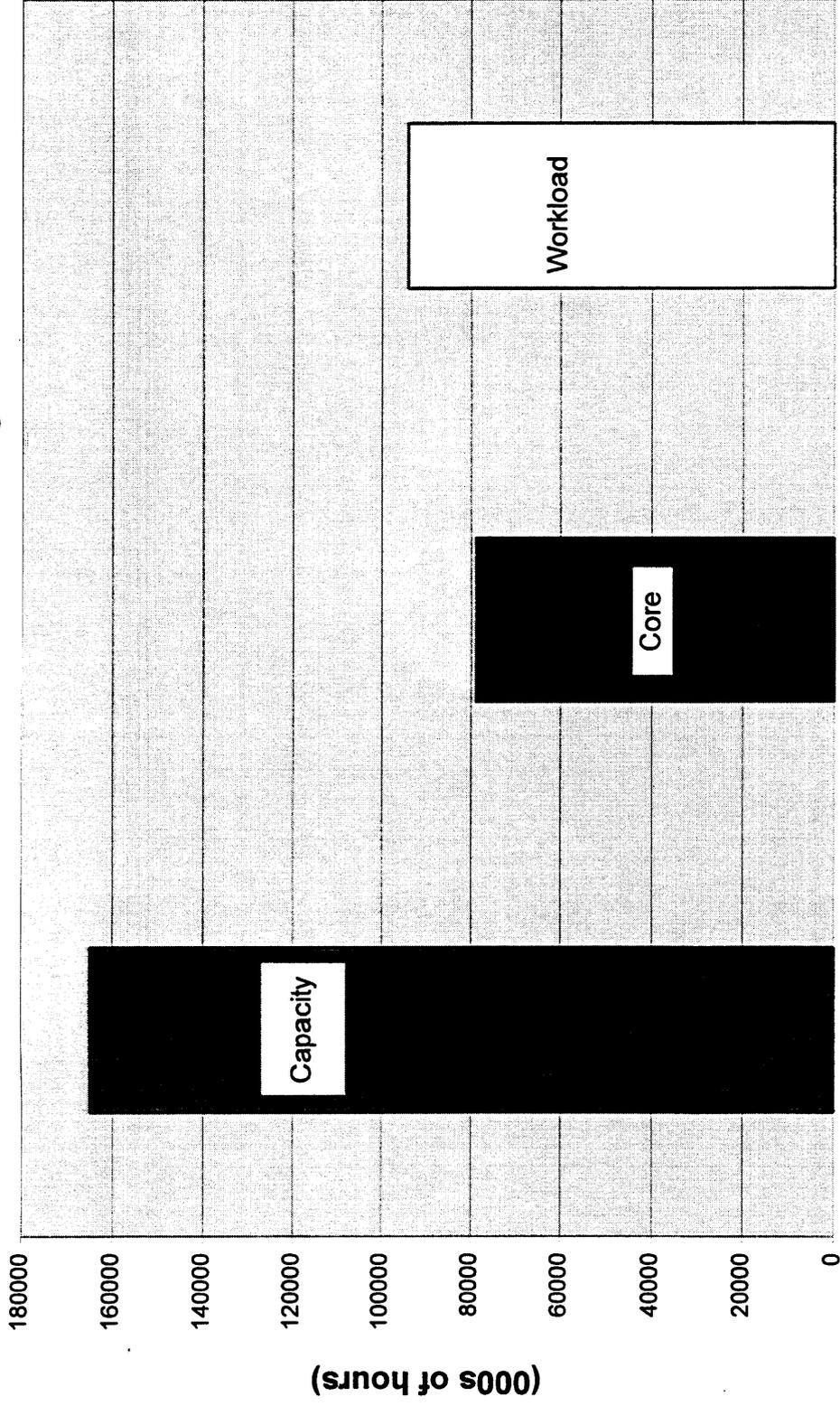
■ = OPEN

X = PROPOSED

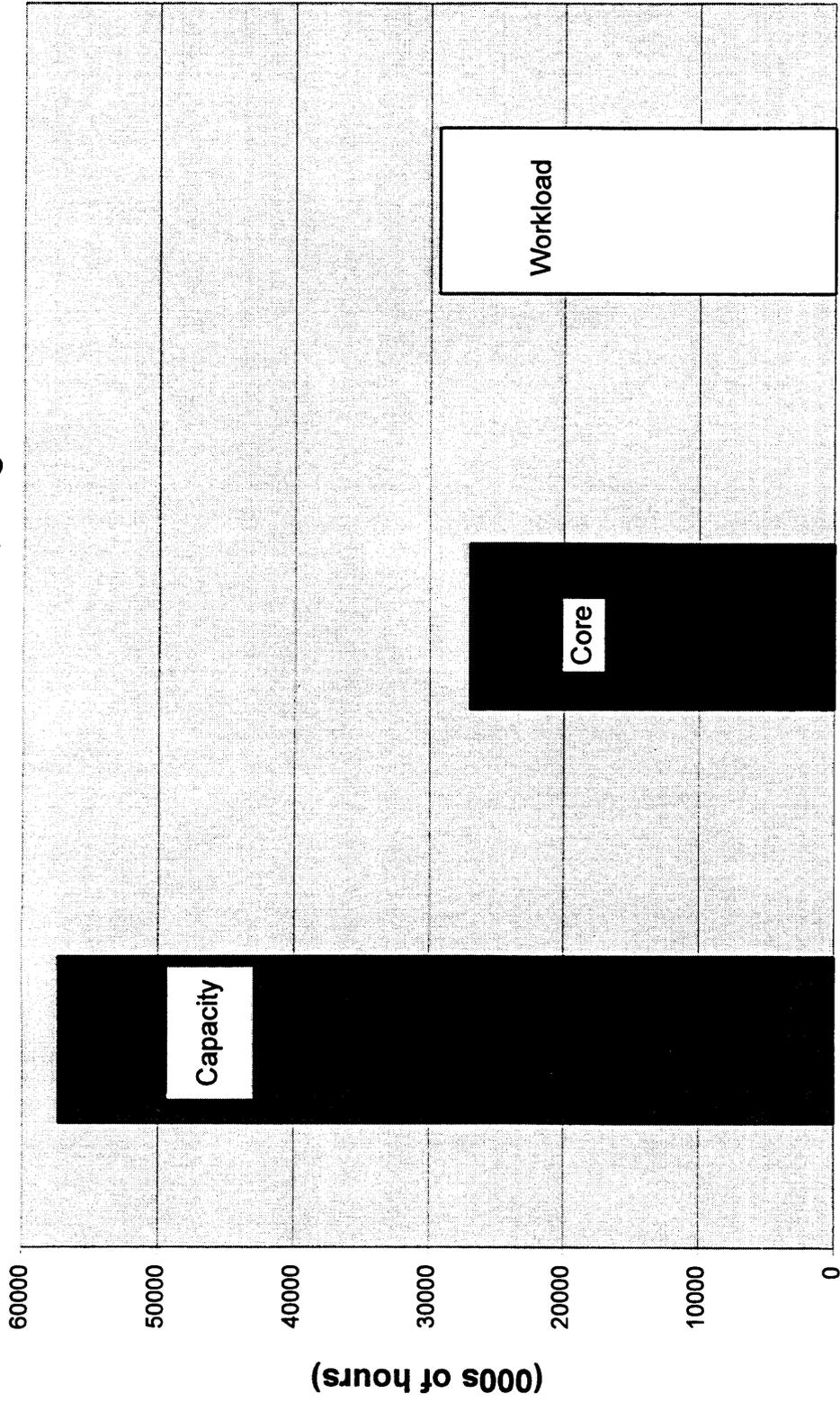
O = CLOSED

<u>Army</u>	<u>Navy</u>	<u>Air Force</u>	<u>Marines</u>
■ Anniston	■ Pearl Harbor	■ Oklahoma City	■ Albany
■ Corpus Christi	■ Cherry Point	■ Ogden	■ Barstow
■ Tobyhanna	■ Jacksonville	■ San Antonio	
X Red River	■ North Island	■ Sacramento	
X Letterkenny	■ Portsmouth	■ Warner Robins	
O Lex. Bluegrass	■ Crane		
O Pueblo	■ Norfolk (NSY)		
O Sacramento	■ Puget Sound		
O Tooele	■ Keyport		
	X Louisville		
	X Long Beach		
	X Guam		
	O Pensacola		
	O Philadelphia		
	O Norfolk (NAD)		
	O Charleston		
	O Mare Island		
	O Alameda		

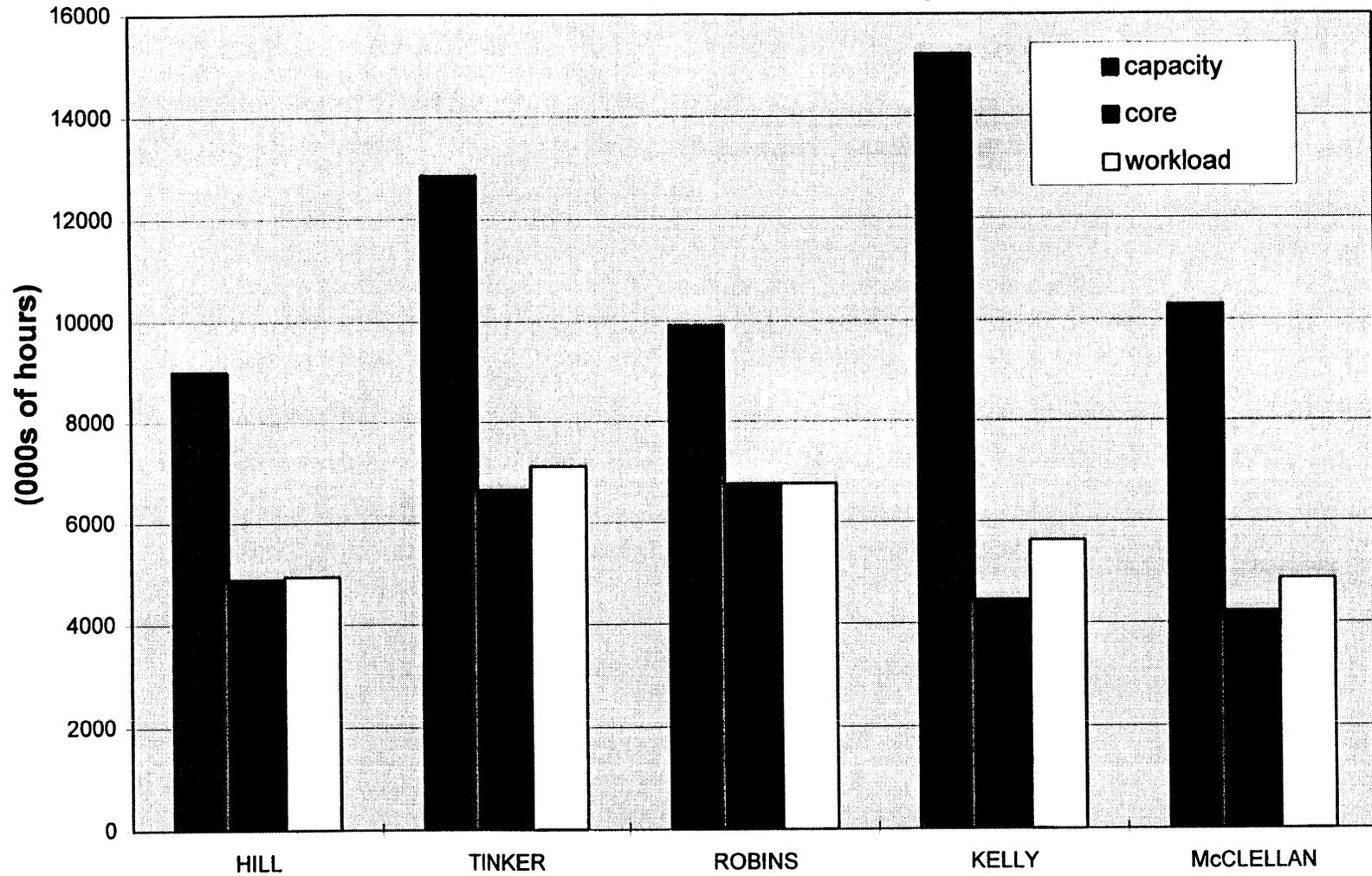
**Total DOD Depot Maximum Potential Capacity, Core & Workload
DoD Certified Data, FY 1999, single shift**



**Air Force Depot Maximum Potential Capacity, Core & Workload DoD
Certified Data, FY 1999, single shift**



**Air Force Depot Maximum Potential Capacity, Core & workload
DoD Certified Data, FY 1999, single shift**



B-5

AIR FORCE BASE MISSIONS

	HILL	KELLY	McCLELLAN	ROBINS	TINKER
PRODUCTS MANAGED AIRCRAFT: ENGINES:	C-130, F-16, Large Missiles	C-5, C-17 T56, TF39, F100, F117, F119	A-10, F-15, F-22, F-111, KC-135, T-37	C-130, C-141, F-15	B-1, B-2, B-52, C-135, E-3 TF30, TF33, TF41, J57, F103, F107, F108, F110, F112, F118
DEPOT SPECIALTIES	Munitions, Landing Gear, Turbines, Instruments	Electronics, Mechanical Support Equipment, Nuclear Components, Instruments, Engines.	Ground communications, electronics, hydraulics pneumatics instruments.	Airborne Electronics, Avionics, Gyroscopes, Propellants, Life Support Equipment	Hydraulics, Pneumatics, Instruments, Engines
FORCE STRUCTURE FY 97/4	54 F-16 15 F-16 (Air Force Reserve) 16 Test Aircraft	14 C-5 (Air Force Reserve) 12 F-16 (Air National Guard)	4 HC-130 * (Air National Guard) 5HH-60 * (Air National Guard) 4 HC-130 (Coast Guard)	6 E-8 (JSTARS) 4 B-1 (Air National Guard) 12 KC-135 1EC-135 1EC-137	30 E-3 AWACS 8KC-135 (Air Force Reserve) 1EC-135 16 E-6 (TACAMO)
USAF OPERATIONAL CONCERNS	F-16 LANTIRN Training Relocation of Air Force Reserve F-16s UTAH TEST RANGE-CM Test UTAH TEST RANGE-SS Range MX Missile Storage	Relocation of Air Force Reserve C-5s & Air National Guard F-16s Wilford Hall Uses Runway	Prevents Move of Air National Guard Rescue Unit From Moffet	Delays JSTARS IOC Relocation of Air National Guard B-1s	Relocation of AWACS, TACAMO & Air Force Reserve KC-135s

If Moffet Move Is Approved By Commission

B-6

Air Force Tiering of Air Logistics Center Installations and Depots

	Hill	Tinker	Robins	Kelly	McClellan
Base Closure Executive Group	33	29	26	15	11
Base Score (Max Score 33)					
Base Tier	I	I	II	III	III
Depot Tier	I	II	I	III	II

**Air Force Depot Indicators
1993 and 1994**

	Hill	Kelly	McClellan	Robins	Tinker
1994 LABOR HOUR COST (Without Materiel)	\$61.50	\$62.15	\$59.14	\$53.53	\$60.46
AIR CRAFT ON-TIME					
1993	100%	12%	74%	61%	87%
1994	94%	10%	89%	71%	99%
ENGINES ON-TIME					
1993	N/A	96%	N/A	N/A	99%
1994		89%			99%
COMPONENTS/ EXCHANGEABLES ON-TIME					
1993	90%	97%	97%	80%	98%
1994	89%	75%	99%	87%	97%

AIR FORCE BRAC RECOMMENDATION DOWNSIZE-IN-PLACE ALL FIVE DEPOTS

DOWNSIZING CONSISTS OF :

- 1) MOTHBALL 2 MILLION SQUARE FEET OF DEPOT SPACE**
 - REDUCE AMOUNT OF DEPOT CAPACITY**
- 2) REDUCE 1,905 DEPOT PERSONNEL**
 - REDUCTION TO BE ACHIEVED BY REENGINEERING DEPOT MAINTENANCE ACTIVITIES TO ACHIEVE A 15% SAVINGS**

COBRA RESULTS:

ORIGINAL

ONE TIME COST - \$183 M, ANNUAL SAVINGS - \$89 M, NPV - \$991 M

SECRETARY OF THE AIR FORCE TESTIMONY:

ONE TIME COST - \$234 M, ANNUAL SAVINGS - \$92 M, NPV - \$975 M

DOWNSIZING HAS NEVER BEFORE BEEN PURSUED THROUGH BRAC:

- SAVINGS WHOLLY FROM ELIMINATION OF DEPOT POSITIONS**
- OVERHEAD COSTS TO RUN DEPOT STRUCTURE UNCHANGED**
- MAINTENANCE COST PER HOUR INCREASES**

COBRA Closure Assumptions Impacting Annual Savings

<u>Air Force</u>	<u>Commission Staff</u>
6 Year Time To Close	4 Year Time To Close
Start Year 1996	Start Year 1997
No Direct Labor ALC Personnel Eliminations Due To Consolidations	15% Elimination Of Selected ALC Personnel: Depot Material Management Central Contracting Computer Support
All Medical And 80 % Management Personnel Realigned	50% Elimination Of Medical And Management Overhead Personnel
9% Additional Personnel Realigned For Base Operating Support	9% Additional Realigned For Base Operating Support (Except Kelly - All Air Force Tenant Base Support Realigned)
All Defense Agency Personnel Realigned	Scenario Based Defense Agency Personnel Eliminations
All Eliminations Taken In Last Year	Evenly Phase Personnel Eliminations (Except Base Operating Support)

**COBRA Closure Assumptions
Impacting One-Time Costs**

<u>Air Force</u>	<u>Commission Staff</u>
Civilian Terminal Leave Costs	No Civilian Terminal Leave Costs
COBRA Calculation + \$30 M / Base	COBRA Calculation Of Conversion Agency Cost
Cost To Send Equipment To Excess	No Cost To Send Equipment To Excess
Production Transition Organic Move Costs Plus Parallel Lines, Interim Contractor Support	No Production Transition Organic Move Costs Retain Interim Contractor Support
Cost To Procure New Equipment	No Cost To Procure New Equipment
Air Force Projection Of DLA Inventory Move Cost	DLA Projection Of DLA Inventory Move Cost

**Composite Air Force Base
Personnel Impact of Commission Staff COBRA Assumptions**

	Baseline	Air Force Eliminations	Commission Staff Eliminations	Delta
Air Logistics Center				
Foreign Military Sales	560			
Maintenance	5,344		802	
Materiel management	1,662		249	
Contracting	221		33	
Computer support	303		46	
MGT overhead	62		31	
Medical	482		241	
ALC Total	8,633	373	1,401	1,028
Defense Agency tenants				
Defense Logistics Agency	832	0	271	
Commissary	157	0	135	
Finance Agency	144	0	0	
Information Systems Agency	207	0	207	
Defense Agency Total	1,340	0	613	613
Air Force tenants	3,536	0	22	22
Base Operating Personnel	2,164	846	1,144	298
Total	15,674	1,219	3,181	1,962

Kelly Personnel Transferring to Lackland Air Force Base

Organization	Function	# of Personnel
Air Intelligence Agency (Includes Cryptologic Support)	Intelligence Production	3,824
433rd Airlift Wing Air Force Reserve Wing	14 C-5 Strategic Airlift	673
149th Fighter Group Air National Guard	12 F-16 Tactical Fighters	202
838th Engineering Installation Squadron	Installation of computers and communications	247
Air Force News Agency	Provides worldwide news and information	149
Defense Commissary Agency - Mid West Region HQ	Headquarters Functions	108
Defense Finance and Accounting Service	Finance	162
Other	Small Tenants	80
Total Realigned to Lackland AFB		5,445

Air Force Installation AIR FORCE Closure COBRA Results

Issue	Hill	Kelly	McClellan	Robins	Tinker
One-Time Cost To Close	\$1,293.1 M	\$582.1 M	\$574.5 M	\$925.4 M	\$1,332.2 M
Annual Savings	\$71.0 M	\$76.4 M	\$86.9 M	\$61.9 M	\$73.1 M
Net Present Value	-\$441.5 M	\$282.6 M	\$392.5 M	-\$249.3 M	-\$471.8 M
Return On Investment	2028 (27 years)	2010 (9 years)	2008 (7 years)	2023 (22 years)	2029 (28 years)
Personnel Realigned:					
Military	4,302	4,491	2,193	4,314	7,906
Civilian	8,293	11,924	7,372	10,222	11,584
Personnel Eliminated:					
Military	543	237	562	413	480
Civilian	651	1,008	876	776	804

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Air Force Installation Commission Staff Closure COBRA Results

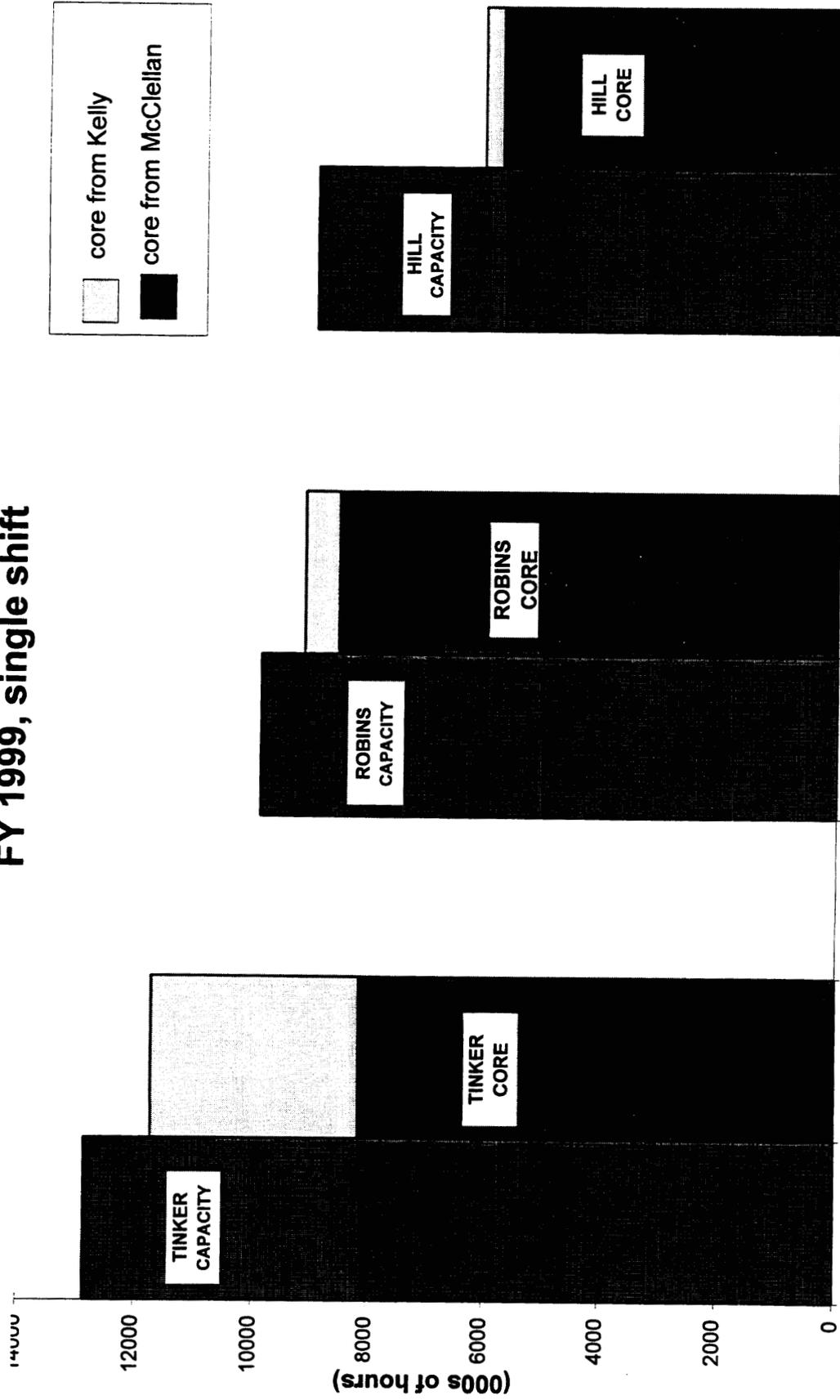
Issue	Hill	Kelly	McClellan	Robins	Tinker
One-Time Cost To Close	\$1,105.9 M	\$412.8 M	\$409.8 M	\$762.1 M	\$1,141.4 M
Annual Savings	\$152.6M	\$178.5 M	\$159.7 M	\$162.2 M	\$163.8 M
Net Present Value	\$1,105.9 M	\$1,848.0 M	\$1,606.7 M	\$1,307.5 M	\$1,141.4 M
Return on Investment	2007 (7 years)	2001 (1 year)	2001 (1 year)	2004 (4 years)	2006 (6 years)
Personnel Realigned:					
Military	2,952	3,353	1,743	3,723	7,023
Civilian	6,763	11,026	6,801	8,875	8,9006
Personnel Eliminated:					
Military	1,044	6740	1,014	785	626
Civilian	1,902	2,635	2,027	2,604	2,540

B-15

**Air Force Air Logistics Centers'
Full Installation Closure
(Constant \$ in Millions)**

	2.75 Discount Rate		4.85 Discount Rate	
	20-Year Savings		20-Year Savings	
	(Net Present Value)		(Net Present Value)	
1. Kelly AFB	1,848	1 yr	1,440	1 yr
2. McClellan AFB	1,607	1 yr	1,244	1 yr
3. Robins AFB	1,307	4 yrs	954	4 yrs
4. Tinker AFB	981	6 yrs	635	7 yrs
5. Hill AFB	875	7 yrs	565	8 yrs

Consolidation of Core Workload within 3 Air Force Depots FY 1999, single shift



B-16

**COST ADVANTAGE OF CONSOLIDATING
AF ENGINE MAINTENANCE
FY97**

ONE DEPOT ONLY RATES

Direct Hours 2,384,000

Direct labor

\$ 52,000,000 or \$21.81 /hour

overhead

\$ 80,000,000 or \$33.55/ hour

TOTAL

\$55.36 / hour

CONSOLIDATED WORKLOAD RATE

Direct hours 5,010,000

Direct Labor

\$109,268,100 or \$21.81/hour

overhead

\$95,000,000 or \$18.96 hour

TOTAL

\$40.77 / hour

Difference \$14.59/ hour

Annual Savings \$14.59 X 5,010,000 hours = \$73,095,900

B-17

SUMMARY OF ECONOMIC AND TIERING INFORMATION

	McClellan		Kelly		Robins		Tinker		Hill	
	AF	R&A	AF	R&A	AF	R&A	AF	R&A	AF	R&A
<i>COBRA</i> (MILLIONS)										
ONE-TIME COST TO CLOSE	575	410	582	421	925	762	1,332	1,141	1,293	1,106
ANNUAL SAVINGS	87	160	76	182	62	162	73	164	71	153
NET PRESENT VALUE	393	1,607	283	1,888	249	1,308	472	1,141	442	875
RETURN ON INVESTMENT (YEARS)	7	1	9	1	22	4	22	6	27	7
<i>USAF RATINGS</i> 33 POINT MAXIMUM	11 POINTS		15 POINTS		26 POINTS		29 POINTS		33 POINTS	
INSTALLATION DEPOT	III II		III III		II I		I II		I I	

**Composition of Kelly Depot Workload
(FY 1999)**

	Thousands of hours	Percentage
C-5 Airframe	1,083	24
C-5 engines	1,298	29
Other engines	1,328	30
Subtotal	3,710	83
Total Kelly workload	4,463	

XBU-48A

Comparison of Cost Estimates to Transfer C-5 Workload
(\$'s in millions)

	Kelly community	Air Force	Commission Staff
Military construction	82	78	78
transfer equipment	102	11	11
training and production transition	45	57	32
move C-5 personnel		44	38
TOTAL	229	190	159

XBU-48B

Comparison of Cost Estimates to Transfer C-5 Workload

(\$'s in millions)

	Kelly community	Air Force	Commission Staff
Military construction	82	78	78
transfer equipment	102	11	11
training and production	45	57	32
transition			
move C-5 personnel		44	38
TOTAL	229	190	159

XBU-48B



ARMY DEPOTS

MILITARY VALUE	INSTALLATION
1	<i>TOBYHANNA ARMY DEPOT, PENNSYLVANIA</i> (*)
2	ANNISTON ARMY DEPOT, ALABAMA
3	RED RIVER ARMY DEPOT, TEXAS (C)
4	<i>LETTERKENNY ARMY DEPOT, PENNSYLVANIA</i> (R) (*)
Not ranked	CORPUS CHRISTI ARMY DEPOT, TEXAS

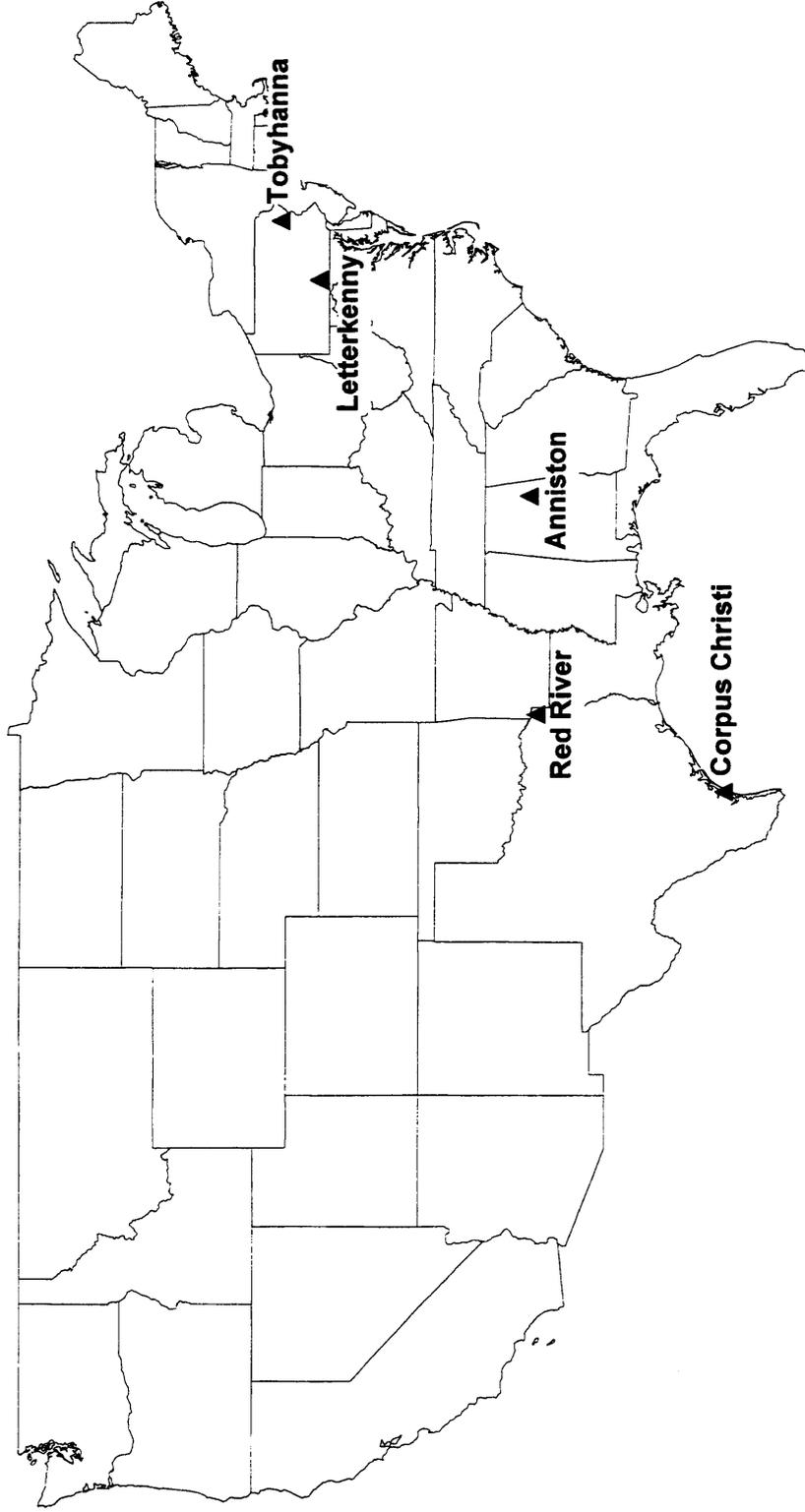
(C) = DoD recommendation for closure

(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = *Commission add for further consideration*

Army Depots



BASE ANALYSIS
RED RIVER ARMY DEPOT, TEXAS
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS

DOD RECOMMENDATION:

- Close Red River Army Depot. Transfer ammo storage, intern training facility, and civilian training education to Lone Star Army Ammunition Plant. Transfer light combat vehicle maintenance to Anniston Army Depot, AL. Transfer the Rubber Production Facility to Lone Star.
- Disestablish the Defense Distribution Depot Red River, Texas. Material remaining at DDRT at the time of disestablishment will be relocated to the Defense Distribution Depot Anniston, Alabama, (DDAA) and to optimum storage space within the DOD Distribution System.

CRITERIA	RED RIVER ARMY DEPOT	DISTRIBUTION DEPOT RED RIVER
MILITARY VALUE	3 of 4	5 of 17
FORCE STRUCTURE	No impact	No impact
ONE-TIME COSTS (\$ M)	51.6	58.9
ANNUAL SAVINGS (\$ M)	92.8	18.9
RETURN ON INVESTMENT	1999 (Immediate)	2002 (2 Years)
NET PRESENT VALUE (\$ M)	1,118.0	186.0
BASE OPERATING BUDGET (\$ M)	43.7	9.7
PERSONNEL ELIMINATED (MIL / CIV)	13 / 1,472	1 / 378
PERSONNEL REALIGNED (MIL / CIV)	0 / 908	0 / 442
ECONOMIC IMPACT (BRAC 95 / CUM)	- 7.8 % / - 6.6 %	- 2.7 % / - 6.6 %
ENVIRONMENTAL	No known impediments	No known impediments

**ISSUES REVIEWED
RED RIVER ARMY DEPOT, TEXAS
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS**

<p>WORKLOAD</p> <p>IMPACT ON LOCAL ECONOMY</p> <p>DISTRIBUTION MISSION</p> <p>COST TO MOVE INVENTORY</p>	<p>MISSILE RECERTIFICATION OFFICE</p> <p>RED RIVER ARMY DEPOT AWARDS AND RECOGNITION</p> <p>RECOMMENDATIONS FOR RED RIVER ARMY DEPOT AND DEFENSE DEPOT, RED RIVER, ARE SEPARATE</p> <p>FUTURE TEAMING WITH INDUSTRY</p> <p>MILITARY CONSTRUCTION COSTS</p> <p>BASE SUPPORT FOR ENCLAVING AT LONE STAR ARMY AMMUNITION PLANT</p> <p>UNEMPLOYMENT IMPACT</p> <p>ARMY SAVINGS BASED ON NON-BRAC PERSONNEL SAVINGS</p>
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ISSUES
RED RIVER ARMY DEPOT, TEXAS

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
WORKLOAD	<ul style="list-style-type: none"> • ACCEPTABLE RISK IN SUPPORT OF WARTIME REQUIREMENTS • INSTALLATION MAINTENANCE ACTIVITIES, INDUSTRIAL BASE FACILITIES, DEPOTS, AND OUT SOURCING CAN OFFSET SHORTFALL 	<ul style="list-style-type: none"> • TOO MUCH RISK IN GOING TO ONE COMBAT VEHICLE DEPOT • CONSOLIDATING GROUND VEHICLE DEPOT MAINTENANCE AT ANNISTON OVERLOADS THAT DEPOT 	<ul style="list-style-type: none"> • WORKLOAD FORECASTS AND MAXIMUM POTENTIAL CAPACITY INDICATE THAT ANNISTON CAN SUPPORT PEACETIME REQUIREMENTS WITH A 1-8-5 SCHEDULE • WARTIME PROJECTIONS REQUIRE ANNISTON TO OPERATE ON A 2-8-7 WORK SCHEDULE
IMPACT ON LOCAL ECONOMY	<ul style="list-style-type: none"> • CLOSING RED RIVER ARMY DEPOT RESULTS IN LOSS OF 2,887 DIRECT AND 2,753 INDIRECT JOBS (TOTAL 5,654) FOR 7.8% OF MSA LABOR FORCE 	<ul style="list-style-type: none"> • COMMUNITY FORECASTS 21.7% UNEMPLOYMENT RATE SHOULD DEPOT CLOSE 	<ul style="list-style-type: none"> • IMPACT IS SIGNIFICANT

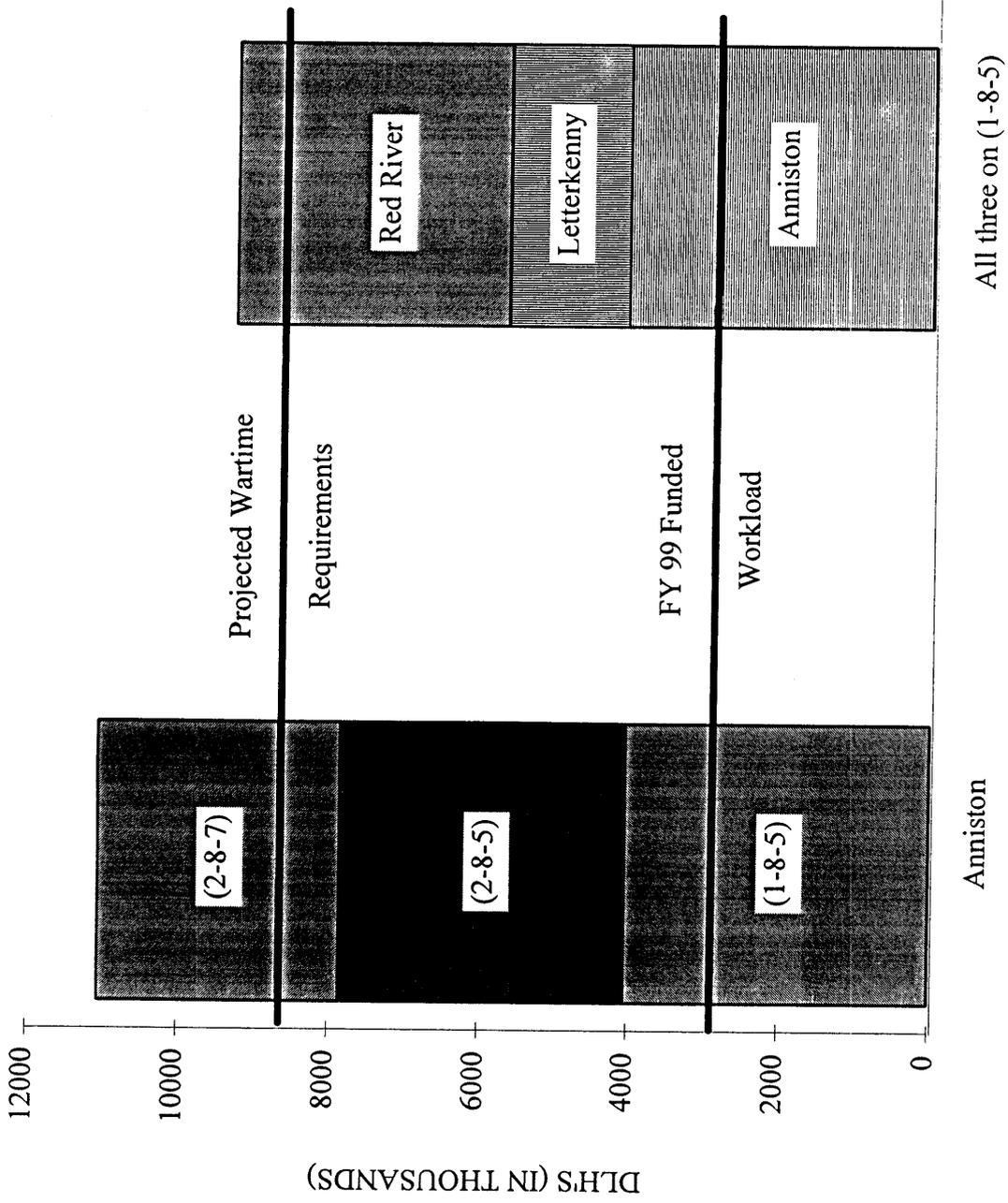
ISSUES
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
DISTRIBUTION MISSION	<ul style="list-style-type: none"> • COLLOCATED DEPOT CLOSES IF MAINTENANCE MISSION CLOSES 	<ul style="list-style-type: none"> • ONLY 20% OF WORKLOAD SUPPORTS MAINTENANCE MISSION • REMAINING 80% REGIONAL DISTRIBUTION MISSION 	<ul style="list-style-type: none"> • DEFENSE LOGISTICS AGENCY CONCEPT OF OPERATIONS CALLS FOR CLOSURE • EXCESS CAPACITY IN DISTRIBUTION DEPOT SYSTEM
COST TO MOVE INVENTORY	<ul style="list-style-type: none"> • COSTS TO MOVE VEHICLE INVENTORY \$5.8 MILLION AND \$12.7 MILLION FOR STOCK • BASED ON MOVEMENT 3,406 VEHICLES OUT OF 9,204 AND 66,013 TONS OF STOCK 	<ul style="list-style-type: none"> • COSTS UNDERSTATED BY \$319 MILLION • MOVES ENTIRE INVENTORY OF 14,000 VEHICLES AND 120,000 TONS OF STOCK 	<ul style="list-style-type: none"> • ARMY ITEM MANAGER HAS CONFIRMED ORIGINAL DOD NUMBERS AND COSTS

SCENARIO SUMMARY
RED RIVER ARMY DEPOT, TEXAS
DEFENSE DISTRIBUTION DEPOT RED RIVER, TEXAS

RED RIVER ARMY DEPOT		DEFENSE DISTRIBUTION DEPOT RED RIVER	
Close Red River Army Depot. Transfer ammo storage, intern training facility, and civilian training education to Lone Star Army Ammunition Plant. Transfer light combat vehicle maintenance to Anniston Army Depot, AL. Transfer the Rubber Production Facility to Lone Star.		Disestablish the Defense Distribution Depot Red River, Texas. Material remaining at DDRT at the time of disestablishment will be relocated to the Defense Distribution Depot Anniston, Alabama, (DDAA) and to optimum storage space within the DOD Distribution System.	
One-Time Costs (\$M): 51.6 Annual Savings (\$M): 92.8 Return on Investment: 1999 (Immediate) Net Present Value (\$M): 1,118.0		One-Time Costs (\$M): 58.9 Annual Savings (\$M): 18.9 Return on Investment: 2002 (2 Years) Net Present Value (\$M): 186.0	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • SUPPORTS ARMY STATIONING STRATEGY • SUPPORTS JCSG-DM RECOMMENDATIONS • REDUCES AMOUNT OF DEPOT INFRASTRUCTURE • SIGNIFICANT FINANCIAL SAVINGS • NO RISK TO CURRENT FUNDED WORKLOAD 	<ul style="list-style-type: none"> • PLACES ALL COMBAT TRACKED VEHICLE WORKLOAD INTO ONE DEPOT 	<ul style="list-style-type: none"> • MONETARY SAVINGS • DEPOT SYSTEM EFFICIENCY 	<ul style="list-style-type: none"> • JOB LOSS • LOSS OF EXCELLENT DEPOT • COULD EXACERBATE DEFENSE LOGISTICS AGENCY STORAGE SHORTFALL

Ground Combat Vehicle Core



BU-52A

SCENARIO SUMMARY

RED RIVER ARMY DEPOT, TEXAS

COMMISSION ALTERNATIVE		COMMISSION ALTERNATIVE	
<p>Close Red River Army Depot. Transfer ammo storage, intern training facility, and civilian training education to Lone Star Army Ammunition Plant. Transfer light combat vehicle maintenance to Anniston Army Depot, AL. Transfer the Rubber Production Facility to Lone Star.</p>			
<p>One-Time Costs (\$M): 52.2 Annual Savings (\$M): 92.8 Return on Investment: 1999 (Immediate) Net Present Value (\$M): 1,117.5</p>		<p>One-Time Costs (\$M): Annual Savings (\$M): Return on Investment: Net Present Value (\$M):</p>	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • RECOGNIZES CONSTRUCTION COSTS AT ANNISTON ARMY DEPOT 			

BASE ANALYSIS LETTERKENNY AND TOBYHANNA ARMY DEPOTS

DOD RECOMMENDATION: Realign Letterkenny, move tactical guidance and support equipment workload to Tobyhanna and combat vehicle maintenance to Anniston

COMMISSIONER ADD FOR CONSIDERATION: Study Tobyhanna for closure

CRITERIA	LETTERKENNY (R), (X)	TOBYHANNA (*)
MILITARY VALUE	4 of 4	1 of 4
ONE-TIME COSTS (\$ M)	50	154
ANNUAL SAVINGS (\$ M)	76	33
RETURN ON INVESTMENT	1999 (Immediate)	2005 (4 years)
NET PRESENT VALUE	953	226
BASE OPERATING BUDGET (\$ M)	56	56
PERSONNEL ELIMINATED (MIL / CIV)	23 / 1317	34 / 535
PERSONNEL REALIGNED (MIL / CIV)	19 / 823	249 / 2691
ECONOMIC IMPACT (BRAC 95 / CUM)	-9.1% / -11.0%	-13.4% / -14.0%
ENVIRONMENTAL	On National priority List	On National Priority List

(C) = DoD recommendation for closure

(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = *Commission add for further consideration*

SUMMARY
TACTICAL MISSILE MAINTENANCE CONSOLIDATION

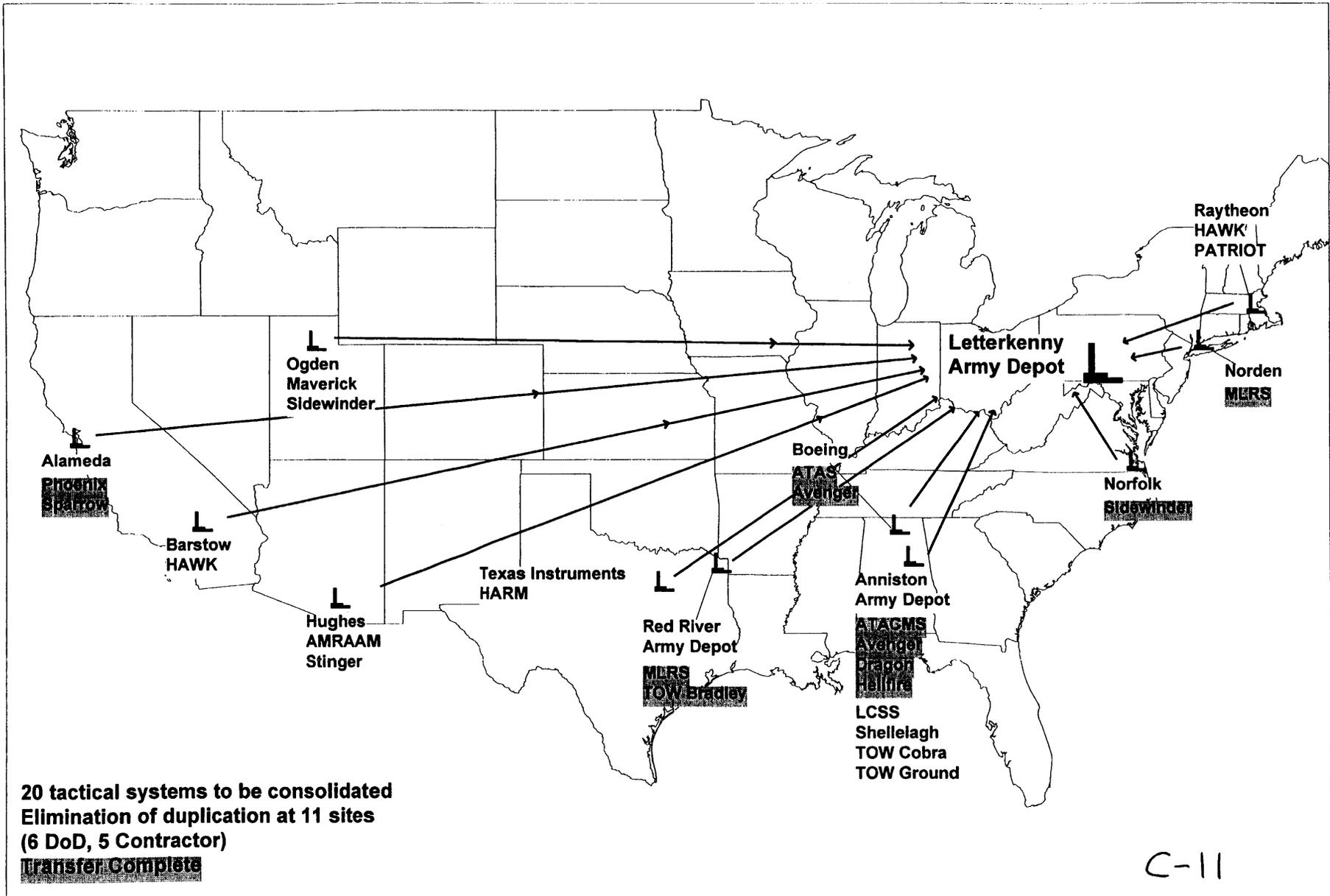
1993 COMMISSION

- **CONSOLIDATE DOD TACTICAL MISSILE MAINTENANCE AT LETTERKENNY**
- **RETAIN ARTILLERY WORKLOAD AT LETTERKENNY**

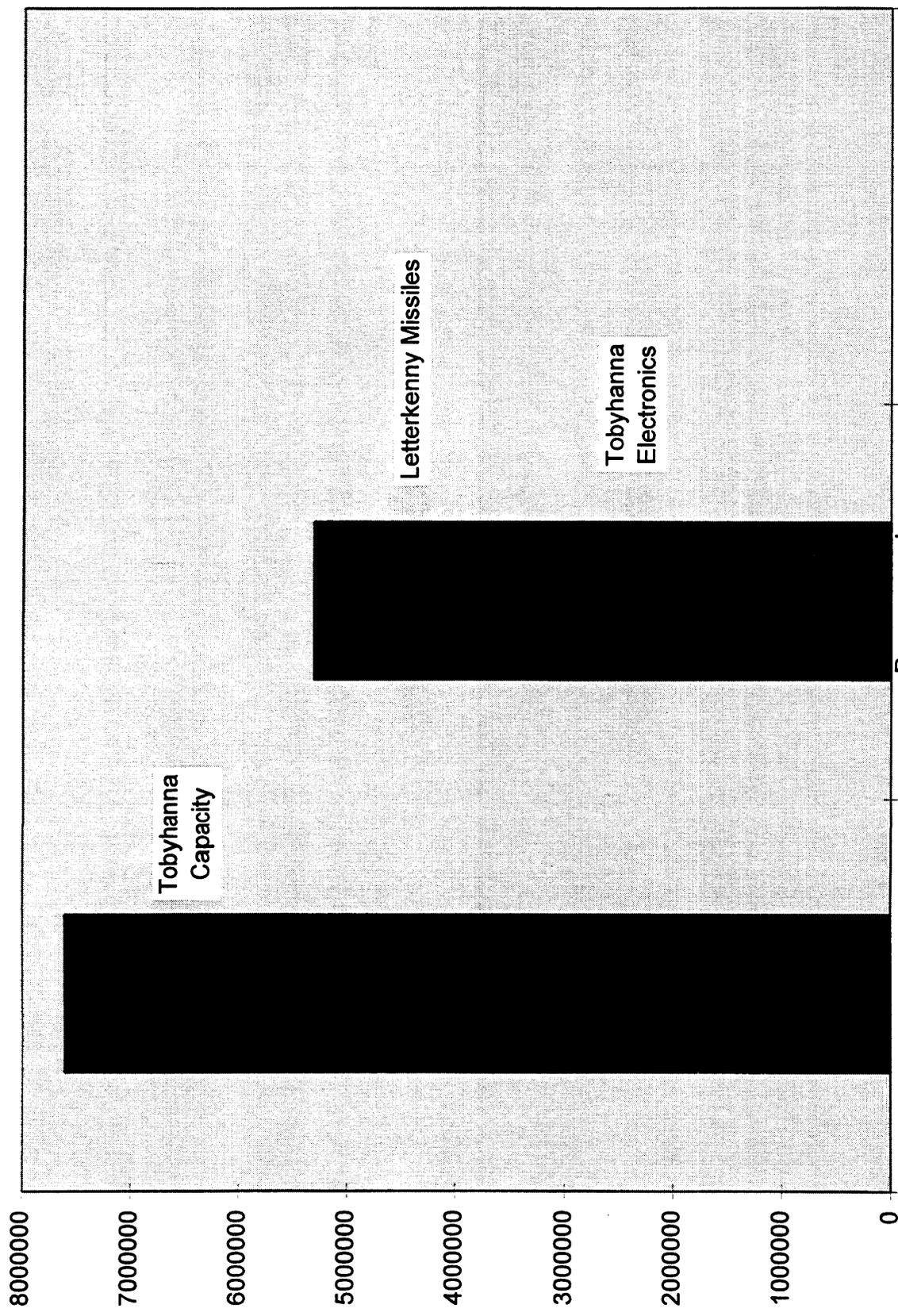
1995 DOD RECOMMENDATION

- **CHANGE 1993 COMMISSION RECOMMENDATION BY TRANSFERRING MISSILE GUIDANCE SYSTEM WORKLOAD TO TOBYHANNA ARMY DEPOT.**
- **TRANSFER COMBAT VEHICLE WORKLOAD TO ANNISTON ARMY DEPOT.**
- **RETAIN ENCLAVE FOR CONVENTIONAL AMMUNITION AND TACTICAL MISSILE DISASSEMBLY AND STORAGE AT LETTERKENNY.**

BRAC '93 Commission Recommended A Single DoD Tactical Missile Facility



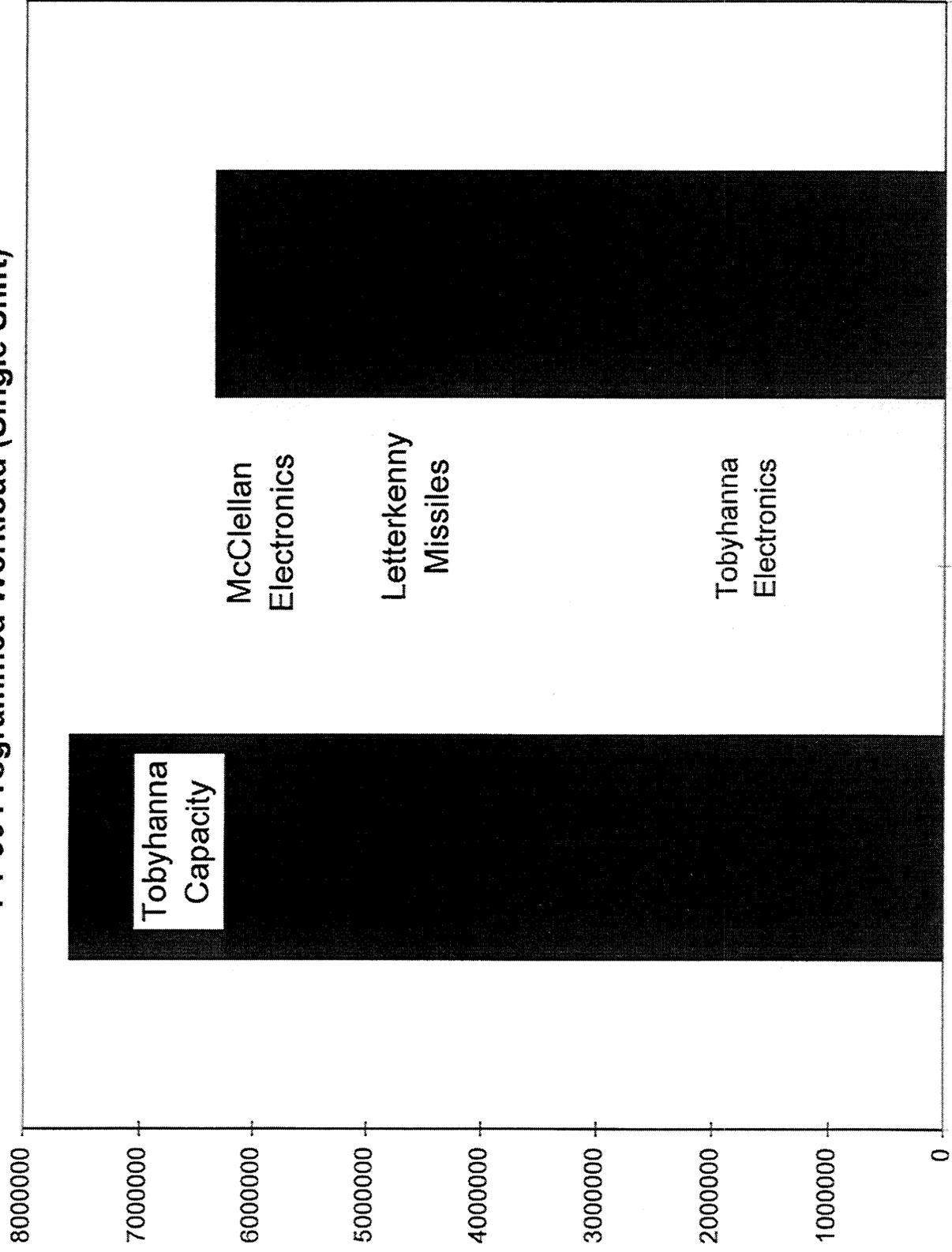
Consolidation of DOD Tactical Missile and Army Ground Communications Workload at Tobyhanna FY99 Programmed and Core Workload (Single Shift)



C-12

Programmed

Consolidation of DOD Ground Communications and Tactical Missile Workloads at Tobyhanna FY 99 Programmed Workload (Single Shift)



XBU-62

BASE ANALYSIS: Tactical Missile Maintenance

DOD RECOMMENDATION: Realign Letterkenny, move missile guidance system maintenance workload to Tobyhanna and combat vehicle maintenance workload to Anniston.

COMMISSIONER ADD FOR CONSIDERATION: Study Letterkenny and Tobyhanna for further realignment or closure.)

CRITERIA	<i>(DOD)</i> <i>Letterkenny Army Depot</i> <i>(R)(X)</i> <i>Missile Maintenance to Tobyhanna. Missile Storage retained at Letterkenny</i>		<i>(Alternative)</i> <i>Letterkenny Army Depot</i> <i>(R)(*)</i> <i>Missile Maintenance to Hill AFB and missile / ammo storage retained at Letterkenny)</i>		<i>(Alternative)</i> <i>Tobyhanna Army Depot</i> <i>(*)</i> <i>Missile Maintenance retained at Letterkenny. Tobyhanna Army Depot Closes and transfers electronics workload to Letterkenny</i>	
	<i>DEPOT</i>	<i>DLA</i>	<i>DEPOT</i>	<i>DLA</i>	<i>DEPOT</i>	<i>DLA</i>
MILITARY VALUE	4 out of 4 (Letterkenny)		Tier I (Hill)		1 out of 4 (Tobyhanna)	
ONE-TIME COSTS (\$ M)	50	45	89	45	154	22
ANNUAL SAVINGS (\$ M)	76	12	61	12	33	9
RETURN ON INVESTMENT	Immediate	3 years	Immediate	3 years	4 years	2 years
BASE OPERATING BUDGET (\$ M)	56	8	56	8	33	6
PERSONNEL ELIMINATED (MIL / CIV)	23 / 1317	4 / 174	13 / 1018	4 / 174	34 / 53	3 / 111
PERSONNEL REALIGNED (MIL / CIV)	19 / 823	0 / 200	20 / 1093	0 / 200	249 / 2691	0 / 123
ECONOMIC IMPACT (BRAC 95 / CUM)	-9.1%/-11.0%	-1.2%/-11.0%	-9.2%/-10.4%	-1.2%/-11.0%	-13.4%/-14.0%	-1.6% / -14.0%
ENVIRONMENTAL	On National Priority List		On National Priority List		On National I Priority List	

(C) = DoD recommendation for closure

(R) = DoD recommendation for realignment

(X) = Joint Cross Service Group alternative for closure or realignment

(*) = *Commission add for further consideration*

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ISSUES REVIEWED
TACTICAL MISSILE MAINTENANCE
Letterkenny and Tobyhanna Army Depots, Hill Air Force Base

<ul style="list-style-type: none">• Pros and Cons of Missile Maintenance at Tobyhanna, Hill and Letterkenny • Military Value • Capacity Utilization • Military Construction Costs • Personnel Training Costs • Total One-Time Closing Costs	<ul style="list-style-type: none">• Tactical Missile Maintenance Workload (FY 99 Program vs Core) • Space Available for Missile Maintenance • One Stop Shop • Tactical Missile Storage Requirements • Benefits of Public / Private Teaming • Potential for Privatization • Tenant Moves
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**COMPARATIVE BASE ANALYSIS: Tactical Missile Maintenance
Pros and Cons of Tactical Missile Maintenance at Tobyhanna, Hill, and
Letterkenny**

	<i>Tobyhanna Army Depot</i>	<i>Hill AFB</i>	<i>Letterkenny Army Depot</i>
Military Value	<ul style="list-style-type: none"> • 1 of 4 	<ul style="list-style-type: none"> • tier 1 	<ul style="list-style-type: none"> • 4 of 4
Labor Rate Without Materials	<ul style="list-style-type: none"> • \$53.26 	<ul style="list-style-type: none"> • \$62.32 	<ul style="list-style-type: none"> • \$86.15
Arguments for missile maintenance consolidation at this depot	<ul style="list-style-type: none"> • Preserves interservicing • Capitalizes on depot's electronics focus • Depot has capacity to assume more work. Increases utilization rate from 49% to 70% • Retains Army's highest rated depot • Supported by Joint Cross Service Group 	<ul style="list-style-type: none"> • Preserves interservicing • Capitalizes on depot's strategic and tactical missile (Maverick & Sidewinder) experience • Hill is currently doing 53% of guidance and control section work • Hill has capacity. Increases utilization rate from 54% to 71% 	<ul style="list-style-type: none"> • Preserves interservicing • Preserves \$26 million in sunk costs for completed building renovation, personnel and equipment moves and training • Consolidation proceeding on schedule and within budget per DOD-IG • Site selected by Defense Depot Maintenance Council for consolidated DOD workload
Arguments against missile maintenance consolidation at this depot	<ul style="list-style-type: none"> • No significant missile expertise at depot • Depot not currently facilitated for tactical missile workloads • Depot has no missile storage which results in added transportation 	<ul style="list-style-type: none"> • Depot not currently facilitated to accept all DOD' tactical missile workload • Insufficient storage capacity • Air Force does not endorse tactical missile transfer to Hill 	<ul style="list-style-type: none"> • Transfer of vehicle workload will contribute to continued low depot utilization • With no new work utilization rate would be 52% in FY 99, or 26% for core work only • Does not support Army stationing strategy

ISSUES: TACTICAL MISSILE DEPOTS

DOD Recommendation: realign Letterkenny; missiles to Tobyhanna; vehicles to Anniston

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Military Value	<ul style="list-style-type: none"> • Letterkenny ranked 4 Of 4 • Stationing strategy calls for retention of 1 ground combat, 1 electronics and 1 aviation depot 	Army placed too much emphasis on plant capacity and less emphasis on relative installation size and age of buildings	No basis to disagree with 3 depot stationing strategy and military value analysis. Vehicle work can be absorbed by Anniston. One third of missile work is non core
Capacity utilization (FY 99)	Capacity exceeds programmed work by the equivalent of 1 or 2 depots	<ul style="list-style-type: none"> • Expanded public / private teaming would improve utilization rate • Transfer Bradley or M113 work from Red River 	<ul style="list-style-type: none"> • With no new work Letterkenny utilization rate would be 52% in FY 99, or 26% based on max capacity • United Defense anticipates continuing work through 2001
Military Construction Costs	Not Considered	\$6.2 million	\$5.7 million
Personnel Training Costs	Not Considered	\$31.9 million	\$10 million
Total One Time Cost	\$50 million	\$231 million	\$65 million

ISSUES: TACTICAL MISSILES

COMMISSION Alternative: close Tobyhanna; electronics to Letterkenny

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Military Value	Tobyhanna ranked 1 of 4 Stationing strategy calls for retention of 3 depots --1 ground, 1 electronics, and 1 aviation depot	Tobyhanna community has adopted the slogan "keep the best"	No basis to disagree with the 3 depot strategy and military value analysis
Capacity utilization	Capacity exceeds programmed work by the equivalent of 1 or 2 depots. Tobyhanna should be retained as the single Army electronics depot.	Community believes electronics workload will not fit into the Letterkenny infrastructure without extensive renovations	agree with the community
Military Construction Costs	\$76.9 million	\$116 million	No basis to question DOD estimate
Personnel Training Costs	None	\$102 million	DOD estimate assumes that 2300 experienced civilians would transfer. on this basis training would be minimal.
Total One Time Costs	\$154.5 million	\$360.8 million	No basis to question DOD estimate

SCENARIO SUMMARY

LETTERKENNY AND TOBYHANNA ARMY DEPOT

DoD RECOMMENDATION		COMMISSION ALTERNATIVE	
<p>Realign Letterkenny, move tactical missile guidance system workload to Tobyhanna and combat vehicle maintenance to Anniston. Retain conventional ammunition and tactical missile storage and disassembly at Letterkenny.</p>		<p>Close Tobyhanna and move electronics workload to Letterkenny.</p>	
<p>One Time Costs (\$M): 50 Annual Savings (\$M): 76 Return on Investment: 1999 (Immediate) Net Present Value (\$M): 953</p>		<p>One Time Costs (\$M): 154 Annual Savings (\$M): 33 Return on Investment: 2005 (4 years) Net Present Value (\$M): 226</p>	
PRO	CON	PRO	CON
<ul style="list-style-type: none"> • Preserves interservicing, but location changed to Tobyhanna • Capitalizes on Tobyhanna electronics focus • Would increase Tobyhanna utilization rate • Supported by Joint Cross Service Group • Lower Cost 	<ul style="list-style-type: none"> • Requires some additional personnel training and building renovation at Tobyhanna • Tobyhanna depot has no missile storage capability 	<ul style="list-style-type: none"> • Would continue interservicing tactical missile consolidation as directed by the 1993 Commission • Would retain Letterkenny, a larger depot in terms of acres and building square footage 	<ul style="list-style-type: none"> • Closes the Army's highest rated depot • Closes Army's lowest cost depot • Closes the Army's newest depot • Would result in substantial expenditures to renovate existing Letterkenny buildings



NAVY DEPOTS / WARFARE CENTERS

MILITARY VALUE	INSTALLATION
31,116	NSWC LOUISVILLE, KY (C)
36,666	NAWC INDIANAPOLIS, IN (C)
34,955	NAWC LAKEHURST, NJ (C)

- (C) = DoD recommendation for closure
- (R) = DoD recommendation for realignment
- (X) = Joint Cross Service Group alternative for closure or realignment
- (*) = *Commission add for further consideration*

BASE ANALYSIS
NAVAL SURFACE WARFARE CENTER, CRANE DIVISION DETACHMENT
LOUISVILLE, KENTUCKY

DOD RECOMMENDATION: Close the Naval Surface Warfare Center, Crane Division Detachment, Louisville, Kentucky. Relocate appropriate functions, personnel, equipment, and support to other naval activities, primarily the Naval Shipyard, Norfolk, Virginia; the Naval Surface Warfare Center, Port Hueneme, California; and the Naval Surface Warfare Center, Crane, Indiana.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	31.16
FORCE STRUCTURE	N / A
ONE-TIME COSTS (\$ M)	104
ANNUAL SAVINGS (\$ M)	29
RETURN ON INVESTMENT	2003 (3 years)
NET PRESENT VALUE (\$ M)	244
BASE OPERATING BUDGET (\$ M)	27
PERSONNEL ELIMINATED (MIL / CIV)	4 / 437
PERSONNEL REALIGNED (MIL / CIV)	11 / 855
ECONOMIC IMPACT (BRAC 95 / CUM)	0.7 / 0.7
ENVIRONMENTAL	Not On the National Priorities List

ISSUES REVIEWED
NAVAL SURFACE WARFARE CENTER, CRANE DIVISION DETACHMENT
LOUISVILLE, KENTUCKY

<p>CLOSURE COSTS</p> <p>NAVAL AUDIT SERVICE REPORT</p>	<p>CLOSE IN WEAPONS SYSTEMS</p> <p>WAGE RATES</p> <p>ONE-TIME UNIQUE COSTS</p> <p>MISSION COSTS</p>
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ISSUES
NAVAL SURFACE WARFARE CENTER, CRANE DIVISION DETACHMENT
LOUISVILLE, KENTUCKY

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
<p>Closure Costs</p>	<p>One-Time cost: \$104 M Return on Investment: 3 Years Net Present Value: \$244 M</p> <ul style="list-style-type: none"> • No cost for Technical Repair Standards (TRS) to be created, because Louisville operates under a waiver, and this waiver will transfer. • \$13.4 M for teardown and recalibration of equipment will not be allocated because the work will be performed by government personnel. 	<p>One-Time cost: \$345 M Return on Investment: Never Net Present Value: 0</p> <ul style="list-style-type: none"> • \$81 M has been certified by the Naval Audit Service to prepare TRS for the entire production line at NSWC Louisville regardless of the receiving installation. • This cost will only be incurred because of the closure recommendation. <p>Concur with Norfolk Naval Shipyard that these specialized personnel must transfer with the workload.</p>	<p>One-Time cost: \$136 M Return on Investment: 5 Years Net Present Value: \$169 M</p> <ul style="list-style-type: none"> • \$18 M will be needed to re-certify these TRS at Norfolk NSYD. • \$13.4 M is a closure related expense. <p><u>Additional Norfolk Naval Shipyard Costs:</u></p> <ul style="list-style-type: none"> • 57 additional personnel • \$19.9 M additional MILCON • One-Time unique cost reduction of \$19.9 M
<p>Naval Audit Service Report</p>	<p>In light of the identified irregularities there would be no apparent impact on the BRAC 95 decision.</p>	<p>The Commission needs to review the report and overturn the DOD recommendation.</p>	<p>Concur with DOD position.</p>

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LOUISVILLE COMMUNITY'S PRIVATIZATION PROPOSAL

DOD STATEMENT	COMMUNITY OBJECTIVES	R&A STAFF FINDINGS
<p>“We support privatization initiatives, such as have been suggested at...the Naval Surface Warfare Center in Louisville,...flexibility in language is essential...the best interest of the Department of the Navy and the Nation must prevail.”</p> <p>Secretary of the Navy John Dalton</p>	<ul style="list-style-type: none"> • Reduce Navy Infrastructure • Save the Navy \$300 M • Maintain Louisville’s world class capabilities in gun systems • Creates Naval gun center of excellence • Maintain the exceptional workforce at Naval Surface Warfare Center 	<ul style="list-style-type: none"> • Strong encouraging language necessary.

SCENARIO SUMMARY
NAVAL SURFACE WARFARE CENTER, CRANE DIVISION DETACHMENT
LOUISVILLE, KENTUCKY

DoD RECOMMENDATION	
<p>Close the Naval Surface Warfare Center, Crane Division Detachment, Louisville, Kentucky. Relocate appropriate functions, personnel, equipment, and support to other naval activities, primarily the Naval Shipyard, Norfolk, Virginia; the Naval Surface Warfare Center, Port Hueneme, California; and the Naval Surface Warfare Center, Crane, Indiana.</p>	
<p>One Time Costs (\$ M): 104 Annual Savings (\$M): 29 Return on Investment: 2003 (3 Years) Net Present Value (\$M): 244</p>	
PRO	CON
<p>Moves depot level maintenance workload from technical centers and return it to depot industrial activities. Reduces excess capacity, and relocates functional workload to activities performing similar work resulting in efficiencies.</p>	<p>There are many excluded costs that the government will incur based upon this recommendation.</p> <p>The \$36 M plating facility is 3 years old.</p>

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

DOD RECOMMENDATION: Close the Naval Air Warfare Center, Aircraft Division, Indianapolis, Indiana. Relocate necessary functions along with associated personnel, equipment and support to other naval technical activities, primarily Naval Surface Warfare Center, Crane Indiana; Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland; and Naval Air Warfare Center, Weapons Division, China Lake, California.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	36.66
FORCE STRUCTURE	N / A
ONE-TIME COSTS (\$ M)	78
ANNUAL SAVINGS (\$ M)	39
RETURN ON INVESTMENT	2001 (1 year)
NET PRESENT VALUE (\$ M)	392
BASE OPERATING BUDGET (\$ M)	42
PERSONNEL ELIMINATED (MIL / CIV)	6 / 427
PERSONNEL REALIGNED (MIL / CIV)	30 / 1,584
ECONOMIC IMPACT (BRAC 95 / CUM)	0.9 / 2.2
ENVIRONMENTAL	Not on National Priorities List

ISSUES REVIEWED
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

CLOSURE COSTS

MILITARY VALUE FOR INTEGRATED CAPABILITIES

MILCON COST AVOIDANCE

MISCELLANEOUS RECURRING COSTS

ONE-TIME UNIQUE COSTS

AVERAGE SALARY PROJECTION

RENOVATION AT:
NAWC PATUXENT RIVER, MD
NAWC CHINA LAKE, CA

RECURRING COSTS / SAVINGS OF WORKLOAD
TRANSFERRED TO THE PRIVATE SECTOR

ISSUES
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
<p>Closure Costs</p>	<p>One-Time cost: \$78 M</p> <p>Return on Investment: 1 Year</p> <p>\$8.627 M was excluded because it was to buy duplicative materials for the EP-3/ES-3 systems.</p> <p>Unique moving costs were excluded because these tasks were already built into the operations of an industrial site, and the work would be performed by government personnel.</p>	<p>One-Time cost: \$187 M</p> <p>Return on Investment: 39 Years</p> <p>Necessary to maintain the fleet support operations without jeopardizing the support mission.</p> <p>\$38.6 M will be incurred because these are closure related costs, and these costs are unique, and not built into the operating budget of an industrial site.</p>	<p>One-Time cost: \$125 M</p> <p>Return on Investment: 3 Years</p> <p>Concur with the community.</p> <p>Concur with the community.</p>

INDIANAPOLIS COMMUNITY'S

PRIVATIZATION PROPOSAL

DOD STATEMENT	COMMUNITY OBJECTIVES	R&A STAFF FINDINGS
<ul style="list-style-type: none">• “I am persuaded that (Congressman Dan Burton and Mayor Steve Goldsmith) are correct in urging that we should seriously consider an option of privatizing work now being done at NAWC, Indianapolis in the event that the BRAC Commission supports the Defense Department’s recommendation that NAWC should be closed.” <p>Under Secretary of the Navy Richard Danzig</p>	<ul style="list-style-type: none">• To continue operating like a business since funding already comes from customers.• Closure avoidance of \$187 M• Reduces Navy Infrastructure• No cost increases or subsidies borne by Navy/DOD customers• Maintain integrated engineering and quick response manufacturing capability.	<ul style="list-style-type: none">• Strong encouraging language necessary.

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
INDIANAPOLIS, INDIANA

DoD RECOMMENDATION	
<p>Close the Naval Air Warfare Center, Aircraft Division, Indianapolis, Indiana. Relocate necessary functions along with associated personnel, equipment and support to other naval technical activities, primarily Naval Surface Warfare Center, Crane Indiana; Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland; and Naval Air Warfare Center, Weapons Division, China Lake, California.</p>	
<p>One Time Costs (\$M): 78 Annual Savings (\$M): 39 Return on Investment: 2003 (3 Years) Net Present Value (\$M): 392</p>	
PRO	CON
<p>This would result in the closure of a major technical center, and relocation of its principal functions to three other technical centers.</p> <p>Realizing both a reduction in excess capacity and significant economies while raising aggregate military value.</p>	<p>There is significant integration between the engineers, prototype manufacturers, and in service maintenance personnel that would be lost.</p> <p>The only Navy electronics oriented Rapid Acquisition of Manufactured Parts facility would be closed.</p>

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

DOD RECOMMENDATION: Close Naval Air Warfare Center, Aircraft Division, New Jersey, except transfer in place certain facilities and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland. Relocate other functions and associated personnel and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland, and the Naval Aviation Depot, Jacksonville, Florida. Relocate the Naval Air Technical Training Center Detachment, Lakehurst, to Naval Air Station, Pensacola, Florida. Relocate Naval mobile Construction Battalion 21, the US Army Communications-Electronics Command Airborne Engineering Evaluation Support Activity, and the Defense Reutilization and Marketing Office to other government-owned spaces.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	34.95
FORCE STRUCTURE	N / A
ONE-TIME COSTS (\$ M)	97
ANNUAL SAVINGS (\$ M)	37
RETURN ON INVESTMENT	2002 (3 years)
NET PRESENT VALUE (\$M)	359
BASE OPERATING BUDGET (\$ M)	56
PERSONNEL ELIMINATED (MIL / CIV)	283 / 214
PERSONNEL REALIGNED (MIL / CIV)	55 / 574
ECONOMIC IMPACT (BRAC 95 / CUM)	1.0 / 1.1
ENVIRONMENTAL	On the National Priorities List

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ISSUES REVIEWED
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

<p>DISMANTLEMENT OF INTER-DEPENDENT FUNCTIONS</p> <p>FLEET EMERGENCY RESPONSE</p> <p>CLOSURE/CANTONMENT COSTS</p>	<p>ALRE RDT&E</p> <p>CONTRACTED WORKLOAD</p> <p>MILCON AT NADEP JACKSONVILLE</p> <p>MILITARY QUALITY OF LIFE</p> <p>DEFENSE REUTILIZATION AND MARKETING OFFICE</p> <p>ARMY CECOM UNIT</p> <p>NAVAL MOBILE CONSTRUCTION BATTALION</p> <p>D-13</p>
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ISSUES
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Dismantlement of inter-dependent functions	<p>Industrial, economic, and performance advantages may be lost by separating manufacturing and prototyping, and to a lesser extent fleet support.</p> <p>More fully utilizes capabilities at other depot activities and technical centers.</p>	<p>There would be considerable risk to Naval Aviation if the unique ALRE capabilities that are reliant upon one another, are separated.</p>	<p>Increased risk to the mission of responding to fleet emergencies.</p> <p>Increased costs of utilizing the testing facilities cantoned at Lakehurst, that remain inter-dependent on the relocated functions.</p>
Fleet Emergency Response	<p>The separated response functions can communicate via teleconferencing, necessary TDY for engineering specialists between Lakehurst and Jacksonville.</p>	<p>Carrier emergency response time schedules would be pushed back 50 days due to the separation of inter-dependent functions existing in place at Lakehurst.</p>	<p>More complex emergency response process.</p> <p>Longer response time anticipated.</p>
Closure/Cantonment Costs	<p>One-Time cost: \$97 million</p> <p>Return on Investment: 3 Years</p> <p>Annual savings: \$37 million</p> <p>Cantonment estimate is \$15.67 M</p> <p>\$11.29 M for the Naval Air Technical Training Center (NATTC) was included in the COBRA.</p>	<p>One-Time cost: \$219 million</p> <p>Return on Investment: 51 Years</p> <p>Annual savings: No Response</p> <p>Cantonment estimate is \$26.23 M</p> <p>\$33.21 M is necessary to move the NATTC, conduct the MILCON, and reinstall the facility.</p>	<p>One-Time cost: \$119 million</p> <p>Return on Investment: 5 Years</p> <p>Annual savings: \$28 million</p> <p>Cantonment estimate is \$20 M</p> <p>Additional \$17 M of MILCON identified by NAVAIRCOM.</p> <p style="text-align: right;">D-14</p>

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
LAKEHURST, NEW JERSEY

DoD RECOMMENDATION	
<p>Close Naval Air Warfare Center, Aircraft Division, New Jersey, except transfer in place certain facilities and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland. Relocate other functions and associated personnel and equipment to the Naval Air Warfare Center, Aircraft Division, Patuxent River, Maryland, and the Naval Aviation Depot, Jacksonville, Florida. Relocate the Naval Air Technical Training Center Detachment, Lakehurst, to Naval Air Station, Pensacola, Florida. Relocate Naval mobile Construction Battalion 21, the US Army Communications-Electronics Command Airborne Engineering Evaluation Support Activity, and the Defense Reutilization and Marketing Office to other government-owned spaces.</p>	
<p>One Time Costs (\$M): 97 Annual Savings (\$M): 37 Return on Investment: 2002 (3 Years) Net Present Value (\$M): 359</p>	
PRO	CON
<p>The closure and realignment of this activity permits elimination of the command and support structure of this activity and the consolidation of its most critical functions at a major technical center, allowing synergism with its parent command and more fully utilizing available capabilities at major depot activities. This recommendation retains at Lakehurst those facilities and personnel essential to conducting catapult and arresting gear testing and fleet support.</p>	<p>Increased risk to the mission of responding to fleet emergencies.</p> <p>Increased costs of utilizing the testing facilities cantoned at Lakehurst, that remain inter-dependent on the relocated functions.</p> <p>More complex emergency response process, and a longer response time anticipated.</p>

AIR FORCE
CATEGORY: TEST AND EVALUATION

TIER	INSTALLATION
I	Eglin AFB, FL (R)

(R) = DoD recommendation for realignment

BASE ANALYSIS EGLIN AIR FORCE BASE, FL

DOD RECOMMENDATION: Realign Eglin AFB, FL by relocating electronic combat threat simulator and pod systems to Nellis AFB. Emitter-only systems at Eglin necessary to support Air Force Special Operations Command and Air Warfare Center, as well as armaments/weapons test and evaluation activities will be retained.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	I
BCEG RANK	1/1
FORCE STRUCTURE	Air Force base that tests aircraft armaments/weapons and electronic combat systems.
ONE-TIME COSTS (\$ M)	6.1
ANNUAL SAVINGS (\$ M)	3.7
RETURN ON INVESTMENT	2000 (2 Years)
NET PRESENT VALUE (\$ M)	42.1
BASE OPERATING BUDGET (\$ M)	69
PERSONNEL ELIMINATED (MIL / CIV)	00/00
PERSONNEL REALIGNED (MIL / CIV)	27/25
ECONOMIC IMPACT (BRAC 95 / CUM)	+1.3%/+1.3%
ENVIRONMENTAL	Minimal impact

ISSUES

EGLIN AIR FORCE BASE, FL

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COSTS	<ul style="list-style-type: none"> • MILCON: None, studying now • Tanker: None • Special Ops.: None • One-Time cost: \$6.1 M • Return on Investment: 2 years • Net Present Value: \$42.1 M 	<ul style="list-style-type: none"> • MILCON at receiving site (Nellis) not included • Tanker: \$1.4 M per year to get range time • Special Ops.: \$6.0 M/year add'l cost (travel/TDY, personnel, deployments, etc.) 	<ul style="list-style-type: none"> • MILCON: \$9.6 M, based on BOD study • Tanker: \$1.4 M per year additional cost. • Special Ops.: \$6.0 M (AF Air Warfare Center and Special Ops. Command) • One-Time cost: \$15.7 M • Return on Investment: Never • Net Present Value: Cost \$66.8M
CONSOLIDATION AT NELLIS	<ul style="list-style-type: none"> • One test range can do all 	<ul style="list-style-type: none"> • Delays due to build-up • Requires Edwards AFB as well 	DOD Board of Directors rated Eglin highest rated EC range. In place, why risk move?
ELECTRONIC COMBAT MASTER PLAN	<ul style="list-style-type: none"> • Assigned to Board of Directors 	<ul style="list-style-type: none"> • Congress requires prior to movement of electronic combat equipment 	<ul style="list-style-type: none"> • Not mandated, but warrants concern

SCENARIO SUMMARY EGLIN AIR FORCE BASE, FL

DoD RECOMMENDATION	
<p>Realign Eglin AFB, FL by relocating electronic combat threat simulator and pod systems to Nellis AFB. Emitter-only systems at Eglin necessary to support Air Force Special Operations Command and Air Warfare Center, as well as armaments/weapons test and evaluation activities will be retained.</p>	
<p>One Time Costs (\$M): 6.1 Annual Savings (\$M): 3.7 Return on Investment: 2000 (2 years) Net Present Value (\$M): 42.1</p>	
PRO	CON
<ul style="list-style-type: none"> • Reduces excess capacity 	<ul style="list-style-type: none"> • Dismantles a highly rated EC test range

BASE ANALYSIS
REAL-TIME DIGITALLY CONTROLLED ANALYZER PROCESSOR
(REDCAP)
BUFFALO, NY

DOD RECOMMENDATION: Disestablish and relocate the required test activities and necessary support equipment to the Air Force Flight Test Center (AFFTC) at Edwards AFB, CA. Remaining equipment will be disposed of.

CRITERIA	DOD RECOMMENDATION
USAF TIERING	N/A
BCEG RANK	N/A
FORCE STRUCTURE	Air Defense Ground Test Simulation Facility
ONE-TIME COSTS (\$ M)	3.7
ANNUAL SAVINGS (\$ M)	0.9
RETURN ON INVESTMENT	2002 (4 Years)
NET PRESENT VALUE (\$ M)	8.9
BASE OPERATING BUDGET (\$ M)	N/A
PERSONNEL ELIMINATED (MIL / CIV)	1 / 1
PERSONNEL REALIGNED (MIL / CIV)	1 / 0
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0% / 0.0%
ENVIRONMENTAL	N/A

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ISSUES
REAL-TIME DIGITALLY CONTROLLED ANALYZER PROCESSOR
(REDCAP)

ISSUES	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST TO CLOSE	<ul style="list-style-type: none"> • Initial: \$1.7M • Revised: \$3.7M • (MILCON: \$700K, Moving: \$1.74M) • Initial: 1 Yr, Revised: 4 Yrs 	<ul style="list-style-type: none"> • Estimated: \$13.8M - \$15.6M • (MILCON: \$6.0M - \$7.8M, Moving: \$6.5M) • 20+ Yrs 	<ul style="list-style-type: none"> • Different estimates are based on amount of equipment asserted necessary to be retained. • Estimated: \$4.2M • 5 Yrs
PROJECTED ESTIMATION OF WORKLOAD	<ul style="list-style-type: none"> • AF claims 10% of available capacity, based on operational test hours versus total test process capacity • Air Force claims test setup, operation, and analysis of data results should be analyzed separately 	<ul style="list-style-type: none"> • Estimated approximately 93% for 1995, based on facility-wide usage • States actual test time typically averages 15% of total test process time 	<ul style="list-style-type: none"> • BoD study shows approximately 34.2% for FY88-93, and 50-60% for FY 94,95 • Utilization based on test setup, operation, and analysis of data results • REDCAP is integrated scenario-dependent system, operation of some test systems restricts use of others
LEGALITY OF DISESTABLISHMENT ACTION.	<ul style="list-style-type: none"> • Proper 	<ul style="list-style-type: none"> • Improper: REDCAP not a standard military facility 	<ul style="list-style-type: none"> • AF General Counsel states action is appropriate under current BRAC statutes • Commission's GC concurs with determination

SCENARIO SUMMARY

REAL-TIME DIGITALLY CONTROLLED ANALYZER PROCESSOR (REDCAP)

DoD RECOMMENDATION	
Disestablishment. Relocate required test activities and necessary support equipment to the Air Force Flight Test Center at Edwards AFB, CA. Remaining equipment will be disposed of.	
One Time Costs (\$M): 3.7 Annual Savings (\$M): 0.9 Return on Investment: 4 years (2001) Net Present Value (\$M): 8.9	
PRO	CON
<ul style="list-style-type: none"> • Consolidation would create minor savings (annual savings: \$0.9M, NPV: \$8.9M), eliminate duplication, and reduce excess capacity • Excess capacity will be reduced at Edwards • Collocation will result in minor logistical efficiencies • Legal under BRAC statutes 	<ul style="list-style-type: none"> • One-Time cost increased from \$1.7M to \$3.7M, Return on Investment period increased from 1 to 4 years. • \$700K in MILCON at receiver site, and \$1.3M in restoration costs at current facility would be required

BASE ANALYSIS
AIR FORCE ELECTRONIC WARFARE EVALUATION SIMULATOR
FORT WORTH, TX

DOD RECOMMENDATION: Disestablish the Air Force Electronic Warfare Evaluation Simulator (AFEWES) activity in Fort Worth. Essential AFEWES capabilities and the required test activities will relocate to the Air Force Flight Test Center (AFFTC), Edwards AFB, CA. Workload and selected equipment from AFEWES will be transferred to AFFTC. AFEWES will be disestablished and any remaining equipment will be disposed of.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	N/A
BCEG RANK	N/A
FORCE STRUCTURE	Electronic combat laboratory for testing aircraft defensive countermeasures
ONE-TIME COSTS (\$ M)	8.9
ANNUAL SAVINGS (\$ M)	0.8
RETURN ON INVESTMENT	2011 (13 years)
NET PRESENT VALUE (\$ M)	2.1
BASE OPERATING BUDGET (\$ M)	N/A
PERSONNEL ELIMINATED (MIL / CIV)	02/01
PERSONNEL REALIGNED (MIL / CIV)	02/00
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0%/-0.1%
ENVIRONMENTAL	N/A

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ISSUES
AIR FORCE ELECTRONIC WARFARE EVALUATION SIMULATOR
FORT WORTH, TX

ISSUE	DOD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST	<ul style="list-style-type: none"> • Cost to close: \$8.9 M • Return on Investment: 13 years • Cost to move-\$9 M • MILCON estimate-\$2.1 M 	<ul style="list-style-type: none"> • AFEWES move will cost \$44 M. DOD Board of Directors estimates cost to be \$50-60 M • MILCON \$8 M per Board of Directors <p>Move not cost effective.</p>	<ul style="list-style-type: none"> • Cost to close: \$34.9 M • Return on Investment: Never • \$20 M as additional one-time cost. • \$6 M additional MILCON at Edwards.
DISMANTLING OF CAPABILITY	Total current capability not required.	The only place to fully check an airplane in dense threat environment.	Concur with community.
ELECTRONIC LINKING	Assigned to Georgia Tech to Study	Cost effective and feasible.	Georgia Tech supports community.
ELECTRONIC COMBAT MASTER PLAN	Assigned to Board of Directors	Congress requires prior to movement of electronic combat equipment	Not binding, but warrants concern

SCENARIO SUMMARY
AIR FORCE ELECTRONIC WARFARE EVALUATION SIMULATOR
FORT WORTH, TX

DoD RECOMMENDATION	
<p>Disestablish the Air Force Electronic Warfare Evaluation Simulator (AFEWES) activity in Fort Worth. Essential AFEWES capabilities and the required test activities will relocate to the Air Force Flight Test Center (AFFTC), Edwards AFB, CA. Workload and selected equipment from AFEWES will be transferred to AFFTC. AFEWES will be disestablished and any remaining equipment will be disposed of.</p>	
<p>One Time Costs (\$M): 8.9 Annual Savings (\$M): 0.8 Return on Investment: 2011 (13 years) Net Present Value (\$M): 2.1</p>	
PRO	CON
<ul style="list-style-type: none"> • Relocation to an existing facility possessing an open air range • Reduces excess capacity and consolidates workload • Provides Edwards AFB an EC Test capability 	<ul style="list-style-type: none"> • Electronic combat master plan will not be available • Long payback period

BASE ANALYSIS

HILL AIR FORCE BASE, UT UTAH TEST AND TRAINING RANGE

DOD RECOMMENDATION: Realign Hill AFB by disestablishing the test range activity at UTTR. Transfer management responsibility for operation of UTTR from Air Force Material Command to Air Combat Command. Personnel, equipment and systems required to support the training range will be transferred to Air Combat Command. Some armament/weapons test and evaluation workload will transfer to Eglin and Edwards Air Force Bases.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	None
BCEG RANK	None
FORCE STRUCTURE	No Impact
ONE-TIME COSTS (\$ M)	.242
ANNUAL SAVINGS (\$ M)	6.3
RETURN ON INVESTMENT	1997 (Immediate)
NET PRESENT VALUE (\$ M)	93.6
BASE OPERATING BUDGET (\$ M)	0.244
PERSONNEL ELIMINATED (MIL/CIV)	6/0
PERSONNEL REALIGNED (MIL/CIV)	0/0
ECONOMIC IMPACT (BRAC 95/CUM)	-1.2% / -32.7%
ENVIRONMENTAL	Minimal Impact

ISSUES
HILL AIR FORCE BASE, UT
UTAH TEST AND TRAINING RANGE (UTTR)

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
PRIORITY OF TEST AND EVALUATION FUNCTIONS AT UTTR	Air Combat Command taking control of UTTR for use as a training range.	No formal expressions from the community.	Test and Evaluation to continue on UTTR per Air Force. Air Force conducted an audit and validated UTTR requirements and BRAC savings. Appropriate changes made to COBRA.

**SCENARIO SUMMARY
HILL AIR FORCE BASE, UT
UTAH TEST AND TRAINING RANGE (UTTR)**

DoD RECOMMENDATION	
<p>Realign Hill AFB by disestablishing the test range activity at UTTR. Transfer management responsibility for operation of UTTR from Air Force Material Command to Air Combat Command. Personnel, equipment and systems required to support the training range will be transferred to Air Combat Command. Some armament/weapons test and evaluation workload will transfer to Eglin and Edwards Air Force Bases.</p>	
<p>One Time Costs (\$M): .242 Annual Savings (\$M): 6.3 Return on Investment: Immediate Net Present Value (\$M): 93.6</p>	
PRO	CON
<p>Preserves range for training</p> <p>Allows large footprint weapons to undergo test and evaluation using mobile equipment</p>	

BASE ANALYSIS

WILLIAMS AIR FORCE BASE MESA, ARIZONA

DOD RECOMMENDATION:

- Change the recommendation of the 91 Commission regarding the relocation of Williams AFB's Armstrong Laboratory Aircrew Training Research Facility to Orlando, Florida, as follows:
- The Armstrong Laboratory Training Research Facility at Mesa, Arizona, will remain at its present location as a stand-alone facility.

CRITERIA	DOD RECOMMENDATION
AIR FORCE TIERING	N/A
BCEG RANK	N/A
FORCE STRUCTURE	AIRCREW TRAINING & RESEARCH LAB
ONE-TIME COSTS (\$ M)	0
ANNUAL SAVINGS (\$ M)	\$0.3
RETURN ON INVESTMENT	1996 (IMMEDIATE)
NET PRESENT VALUE (\$M)	21
BASE OPERATING BUDGET (\$ M)	\$0.75
PERSONNEL ELIMINATED (MIL / CIV)	0/0
PERSONNEL REALIGNED (MIL / CIV)	0/0
ECONOMIC IMPACT (BRAC 95 / CUM)	NONE/NONE
ENVIRONMENTAL	NO IMPACT

ISSUES

WILLIAMS AIR FORCE BASE, MESA, ARIZONA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
LEAVE IN PLACE	<ul style="list-style-type: none"> • Supports 	<ul style="list-style-type: none"> • Arizona community strongly supports • Has strong re-use plan that includes facility • Would like to move to nearby Luke AFB 	<ul style="list-style-type: none"> • Cost-effective, proximity to Luke AFB essential • Community plan would remain strong even if facility were to be moved. • Williams-Luke relationship important to Williams research, but too costly to move there
MOVE FACILITY TO FLORIDA AS PER 1991 COMMISSION RECOMMENDATION	<ul style="list-style-type: none"> • Opposes • Facilities not available at expected cost. • Navy needs fewer pilots now than in 91. 	<ul style="list-style-type: none"> • Orlando community maintains the Commission should go with original 91 recommendation for increased synergism with Army and Navy facilities in Orlando 	<ul style="list-style-type: none"> • DoD's needs have changed since 91; some Army and Navy facilities in Orlando no longer available • No source of fighter pilots nearby for research
MOVE FACILITY TO LUKE AFB	<ul style="list-style-type: none"> • Opposes, maintains costs too high 	<ul style="list-style-type: none"> • Arizona community would most prefer this option • Williams already has some functions at nearby Luke AFB 	<ul style="list-style-type: none"> • Ideal concept, however costs prohibitively high, estimates \$9-15M

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION
POINT MUGU, CA

DOD RECOMMENDATION: None. (Commission add)

COMMISSION ADD FOR CONSIDERATION: Study Naval Air Warfare Center, Point Mugu FOR REALIGNMENT to Naval Air Warfare Center, China Lake.

CRITERIA	DOD COBRA
MILITARY VALUE	2 of 8
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	805.4
ANNUAL SAVINGS (\$ M)	27.8
RETURN ON INVESTMENT	2064 (63 years)
NET PRESENT VALUE	436.4
BASE OPERATING BUDGET (\$ M)	107.2
PERSONNEL ELIMINATED (MIL / CIV)	255/177
PERSONNEL REALIGNED (MIL / CIV)	1077/2026
ECONOMIC IMPACT (BRAC 95 / CUM)	-3.0% / -3.0%
ENVIRONMENTAL	

ISSUES REVIEWED
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION
POINT MUGU, CALIFORNIA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
COST	Cost to move to China Lake ranges from \$754-\$805 M (two different scenarios)	Point Mugu-Total move cost \$496 M Moved equipment rather than replicated it.	High cost to move negates any significant savings. Navy estimates very few personnel reductions in moving from Point Mugu to China Lake.
PERSONNEL REDUCTIONS	Previous BRAC 91 & Navy streamlining efforts reduced NAWC by 2000.	-Emphasizes personnel reductions that have already occurred -Critical of the DOD/IG report	2000 personnel reductions have taken place in NAWC since FY 91.
MILITARY VALUE	-Ranked 2nd of 64 tech. centers -Sea range unique.	Endorses high military value of Sea Range	Staff acknowledges that Sea Range is critical and should be retained. Mugu's military value is in its Sea Range capability.

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION
POINT MUGU, CA

COMMISSION ADD	
One Time Costs (\$M): 805.4 Annual Savings (\$M): 27.8 Return on Investment: 2064 (63 years) Net Present Value (\$M): 436.4	
PRO	CON
	Cost to move negates any significant savings Significant personnel reductions by Navy over the past few years allow little opportunity for further consolidation

BASE ANALYSIS

NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION WARMINSTER, PA

DOD RECOMMENDATION: Close the Naval Air Warfare Center, Aircraft Division, Warminster, PA. Relocate appropriate functions, personnel, equipment, and support to other activities, primarily the Naval Air Warfare Center, Aircraft Division, Patuxent, River, MD.

CRITERIA	DOD RECOMMENDATION *
MILITARY VALUE	6 of 8
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	8.4
ANNUAL SAVINGS (\$ M)	7.6
RETURN ON INVESTMENT (\$M)	1996 (Immediate)
NET PRESENT VALUE (\$M)	104.6
BASE OPERATING BUDGET (\$ M)	3.9
PERSONNEL ELIMINATED (MIL / CIV)	11/82
PERSONNEL REALIGNED (MIL / CIV)	5/212
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0% / -1.2%
ENVIRONMENTAL	Positive Effect

* = All costs and personnel figures include Naval, Command, Control and Surveillance Center, RDT&E Division.

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SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
WARMINSTER, PENNSYLVANIA

DoD RECOMMENDATION	
<p>Close the Naval Air Warfare Center, Aircraft Division, Warminster, Pennsylvania. Relocate appropriate functions, personnel, equipment, and support to other technical activities, primarily the Naval Command, Control and Ocean Surveillance Center, RDT&E Division, San Diego, California; and the Naval Oceanographic Office.</p>	
<p>One Time Costs (\$M): 8.4 Annual Savings (\$M): 7.6 Return on Investment: 1996 (Immediate) Net Present Value (\$M): 104.6</p>	
PRO	CON
<p>Reduces excess capacity</p> <p>Efficiencies and economies from consolidation</p>	

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BASE ANALYSIS
NAVAL COMMAND, CONTROL AND OCEAN SURVEILLANCE CENTER,
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION DIVISION
DETACHMENT, WARMINSTER, PA

DOD RECOMMENDATION: Close the Naval Command, Control and Ocean surveillance Center, RDT&E Division Detachment, Warminster, PA. Relocate appropriate functions, personnel, equipment, and support to other technical activities, primarily the Naval Command, Control and Ocean Surveillance Center, RDT&E Division, San Diego, CA; and the Naval Oceanographic Office.

CRITERIA	DOD RECOMMENDATION *
MILITARY VALUE	2 of 9
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	8.4
ANNUAL SAVINGS (\$ M)	7.6
RETURN ON INVESTMENT (\$M)	1996 (Immediate)
NET PRESENT VALUE	104.6
BASE OPERATING BUDGET (\$ M)	3.9
PERSONNEL ELIMINATED (MIL/CIV)	11/82
PERSONNEL REALIGNED (MIL/CIV)	5/212
ECONOMIC IMPACT (BRAC 95/CUM)	0.0% / -1.2%
ENVIRONMENTAL	Positive Effect

* = All cost and personnel figures included in base analysis for Naval Air Warfare Center, Warminster, PA.

SCENARIO SUMMARY
NAVAL COMMAND, CONTROL AND OCEAN SURVEILLANCE CENTER,
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION DIVISION
DETACHMENT, WARMINSTER, PA

DoD RECOMMENDATION	
Close the Naval Command, Control and Ocean surveillance Center, RDT&E Division Detachment, Warminster, Pennsylvania. Relocate appropriate functions, personnel, equipment, and support to other technical activities, primarily the Naval Command, Control and Ocean Surveillance Center, RDT&E Division, San Diego, California; and the Naval Oceanographic Office.	
One Time Costs (\$M): 8.4 Annual Savings (\$M): 7.6 Return on Investment: 1996 (Immediate) Net Present Value (\$M): 104.6	
PRO	CON
Reduces excess capacity	

BASE ANALYSIS
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, OPEN WATER TEST FACILITY, ORELAND, PA

DOD RECOMMENDATION: Close the Naval Air Warfare Center, Aircraft Division's Open Water Test Facility in Oreland, PA.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	8 of 8
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	0.050
ANNUAL SAVINGS (\$ M)	0.015
RETURN ON INVESTMENT	1999 (3 years)
NET PRESENT VALUE (\$M)	0.175
BASE OPERATING BUDGET (\$ M)	0.015
PERSONNEL ELIMINATED (MIL/CIV)	0/0
PERSONNEL REALIGNED (MIL/CIV)	0/0
ECONOMIC IMPACT (BRAC 95/CUM)	None
ENVIRONMENTAL	

SCENARIO SUMMARY
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, OPEN WATER TEST FACILITY, ORELAND, PA

DoD RECOMMENDATION	
Close the Naval Air Warfare Center, Aircraft Division's Open Water Test Facility in Oreland, PA.	
One Time Costs (\$M): 0.050 Annual Savings (\$M): 0.015 Return on Investment: 1999 (3 years) Net Present Value (\$M): 0.175	
PRO	CON
Reduces excess capacity by eliminating redundant capability in Navy	

BASE ANALYSIS
NAVAL UNDERSEA WARFARE CENTER, NEWPORT DIVISION
NEW LONDON DETACHMENT, NEW LONDON, CT

DOD RECOMMENDATION: Disestablish the Naval Undersea Warfare Center, Newport Division, New London Detachment, New London, CT, and relocate necessary functions with associated personnel, equipment, and support to Naval Undersea Warfare Center, Newport Division, Newport, RI. Close the New London facility, except retain Pier 7 which is transferred to the Navy Submarine Base New London. The site presently occupied by the U. S. Coast Guard Station, New London, will be transferred to the U. S. Coast Guard. The Navy Submarine Base, New London, Magnetic Silencing Facility will remain in its present location as a tenant of the U. S. Coast Guard. Naval reserve units will relocate to other naval activities, primarily NUWC Newport, RI, and Navy Submarine Base, New London, CT.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	3 OF 4
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	23.4
ANNUAL SAVINGS (\$ M)	8.1
RETURN ON INVESTMENT	2000 (3 years)
NET PRESENT VALUE	91.2
BASE OPERATING BUDGET (\$ M)	18.1
PERSONNEL ELIMINATED (MIL / CIV)	5/58
PERSONNEL REALIGNED (MIL / CIV)	0/420
ECONOMIC IMPACT (BRAC 95 / CUM)	-1.0% / -3.2%
ENVIRONMENTAL	Positive Effect

ISSUES
NAVAL UNDERSEA WARFARE CENTER, NEWPORT DIVISION
NEW LONDON DETACHMENT, NEW LONDON, CT

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
MILITARY VALUE	No loss in technical capability, no delays in ongoing RDT&E programs, and no significant loss in technical personnel anticipated by move.	World class expertise and synergy sacrificed with move. No real functional consolidation.	Agree with DOD.
BRAC 95 COST AND SAVINGS ESTIMATES	Navy cited its basis for two BRAC 95 cost items in particular- New Hire Costs and Homeowners Assistance Program.	Major errors in estimating one-time costs. Community claims costs understated and savings overstated. Community concerns largely based on BRAC 91 data.	Navy adequately defended cost and savings estimates for BRAC 95.
SUITABILITY OF TOWED ARRAY FACILITY IN NEWPORT	Building in Newport in use for over 30 years and perfectly suitable for towed array.	Building in Newport to house towed array unsuitable.	Navy's position sound.

SCENARIO SUMMARY
NAVAL UNDERSEA WARFARE CENTER, NEWPORT DIVISION
NEW LONDON DETACHMENT, NEW LONDON, CT

DoD RECOMMENDATION	
<p>Disestablish the Naval Undersea Warfare Center, Newport Division, New London Detachment, New London, CT, and relocate necessary functions with associated personnel, equipment, and support to Naval Undersea Warfare Center, Newport Division, Newport, RI. Close the New London facility, except retain Pier 7 which is transferred to the Navy Submarine Base New London. The site presently occupied by the U. S. Coast Guard Station, New London, will be transferred to the U. S. Coast Guard. The Navy Submarine Base, New London, Magnetic Silencing Facility will remain in its present location as a tenant of the U. S. Coast Guard. Naval reserve units will relocate to other naval activities, primarily NUWC Newport, RI, and Navy Submarine Base, New London, CT.</p>	
<p>One Time Costs (\$M): 23.4 Annual Savings (\$M): 8.1 Return on Investment: 2000 (3 years) Net Present Value (\$M): 91.2</p>	
PRO	CON
<p>Reduces excess capacity</p> <p>Consolidates R & D functions</p> <p>Reduces cost</p>	

BASE ANALYSIS

NAVAL BIODYNAMICS LAB, NEW ORLEANS, LA

DOD RECOMMENDATION:

- Closure; relocate necessary personnel to Wright-Patterson AFB, Dayton, OH, and Naval Medical Research Laboratory, Pensacola, FL.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	5 (out of 6)
FORCE STRUCTURE	N/A
ONE-TIME COSTS (\$ M)	\$0.6M
ANNUAL SAVINGS (\$ M)	\$2.9M
RETURN ON INVESTMENT	1996 (Immediate)
NET PRESENT VALUE (\$M)	\$41.8M
BASE OPERATING BUDGET (\$ M)	\$0.61M
PERSONNEL ELIMINATED (MIL / CIV)	12/37
PERSONNEL REALIGNED (MIL / CIV)	3/0
ECONOMIC IMPACT (BRAC 95 / CUM)	less than .001/less than .001
ENVIRONMENTAL	No impact

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ISSUES

NAVAL BIODYNAMICS LAB

NEW ORLEANS, LOUISIANA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
CLOSURE	<ul style="list-style-type: none">• Supports	<ul style="list-style-type: none">• No formal expressions from community	<ul style="list-style-type: none">• Cost-effective
LOSS OF MISSION	<ul style="list-style-type: none">• Expects University of New Orleans to take over facility	<ul style="list-style-type: none">• No formal expressions from community	<ul style="list-style-type: none">• Some equipment is unique in Navy, facility will not be lost• Concur that Navy could contract facility in future if needed

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BASE ANALYSIS

NAVAL MEDICAL RESEARCH INSTITUTE

BETHESDA, MARYLAND

DOD RECOMMENDATION:

- Close the Naval Medical Research Institute, Bethesda, Maryland
- Consolidate the personnel of the Diving Medicine Program with the Experimental Diving Unit, Naval Surface Warfare Center, Dahlgren Division, Coastal Systems Station, Panama City, Florida
- Relocate the Infectious Diseases, Combat Casualty Care and Operational Medicine Programs, along with necessary personnel and equipment to the Walter Reed Army Institute for Research at Forest Glen, Maryland

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	4 out of 6
FORCE STRUCTURE	Naval Research Lab
ONE-TIME COSTS (\$ M)	3.4
ANNUAL SAVINGS (\$ M)	9.5
RETURN ON INVESTMENT	2000 (1 Year)
NET PRESENT VALUE (\$M)	111
BASE OPERATING BUDGET (\$ M)	7.5
PERSONNEL ELIMINATED (MIL / CIV)	12/37
PERSONNEL REALIGNED (MIL / CIV)	3/0
ECONOMIC IMPACT (BRAC 95 / CUM)	less than .001/less than .001
ENVIRONMENTAL	No impact

ISSUES

NAVAL MEDICAL RESEARCH INSTITUTE BETHESDA, MARYLAND

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
<ul style="list-style-type: none"> • CLOSE NMRI • CONSOLIDATE ALL BUT DIVING PROGRAM AT WALTER REED • MOVE DIVING FACILITY TO PANAMA CITY, FLORIDA. 	<ul style="list-style-type: none"> • Current proposal. 	<ul style="list-style-type: none"> • Supports, except for diving program. • Has not submitted any alternative proposals, other than to verbally support the cantonment of the current diving facility 	<ul style="list-style-type: none"> • Diving facility cannot be cantoned with any cost savings • Mission can be taken up in Florida
<p>CONSOLIDATION OF MEDICAL RESEARCH AT WALTER REED</p>	<ul style="list-style-type: none"> • Current proposal 	<ul style="list-style-type: none"> • Supports. 	<ul style="list-style-type: none"> • Universal support for plan • Tri-service consolidation
<p>LOSS OF SYNERGY AT BETHESDA</p>	<ul style="list-style-type: none"> • Not considered 	<ul style="list-style-type: none"> • Will be lost 	<ul style="list-style-type: none"> • Florida DoD proposed facility near Tyndall, Eglin and Pensacola Naval Hospital • Some loss of brainpower and synergy inevitable, however.
<p>LOSS OF EQUIPMENT</p>	<ul style="list-style-type: none"> • Some transferred 	<ul style="list-style-type: none"> • Concern that new hydrogen facility & environmental room will be lost 	<ul style="list-style-type: none"> • Hydrogen facility to be taken over by Walter Reed • Environment room to be re-constructed in Florida

BASE ANALYSIS

**NAVAL RESEARCH LABORATORY
UNDERWATER SOUND REFERENCE DETACHMENT
ORLANDO, FLORIDA**

DOD RECOMMENDATION:

- Disestablish NRL-UWSRD Orlando.
- Relocate the calibration and standards function with associated personnel, equipment and support to the Naval Undersea Warfare Center, Newport Division, Newport, Rhode Island, except for the Anechoic Tank Facility I, which will be excessed.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	1 out of 1
FORCE STRUCTURE	Naval Research Lab
ONE-TIME COSTS (\$ M)	\$8.4M
ANNUAL SAVINGS (\$ M)	\$2.8M
RETURN ON INVESTMENT	2000 (3 Years)
NET PRESENT VALUE (\$M)	\$30.1M
BASE OPERATING BUDGET (\$ M)	\$10.3M
PERSONNEL ELIMINATED (MIL / CIV)	0/45
PERSONNEL REALIGNED (MIL / CIV)	0/55
ECONOMIC IMPACT (BRAC 95 / CUM)	less than .001/less than .001
ENVIRONMENTAL	No Impact

ISSUES

NAVAL RESEARCH LABORATORY UNDERWATER SOUND REFERENCE DETACHMENT ORLANDO, FLORIDA

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
CLOSE LAB AND RELOCATE MISSION TO RHODE ISLAND	<ul style="list-style-type: none"> • Supports 	<ul style="list-style-type: none"> • Retain in place in Florida 	<ul style="list-style-type: none"> • Newport, Rhode Island can absorb facility and personnel without loss to mission • No new construction or renovation required
MISSION EFFECTIVENESS MILITARY VALUE	<ul style="list-style-type: none"> • Other Navy facilities can handle mission 	<ul style="list-style-type: none"> • Testing lake is unique, has long history 	<ul style="list-style-type: none"> • Other Navy facilities can absorb activities without loss to mission • Technology has replaced need for facility • Navy goal to consolidate with full spectrum lab reasonable
COST TO MOVE	<ul style="list-style-type: none"> • \$8.4M to move • \$2.8M annual savings after 3 years 	<ul style="list-style-type: none"> • Upfront costs too high 	<ul style="list-style-type: none"> • One-time costs reasonable given amount of equipment • Good return on investment

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BASE ANALYSIS

**NAVAL COMMAND, CONTROL AND OCEAN SURVEILLANCE CENTER
IN-SERVICE ENGINEERING,
EAST COAST DETACHMENT, NORFOLK, VIRGINIA**

DOD RECOMMENDATION: Close the In-Service Engineering East Coast Detachment, St. Juliens Creek Annex, Norfolk, Virginia, of the Naval Command, Control and Ocean Surveillance Center, except retain in place the transmit and receive equipment and antennas currently at the St. Juliens Creek Annex. Relocate functions, necessary personnel and equipment to Norfolk Naval Shipyard, Norfolk, Virginia.

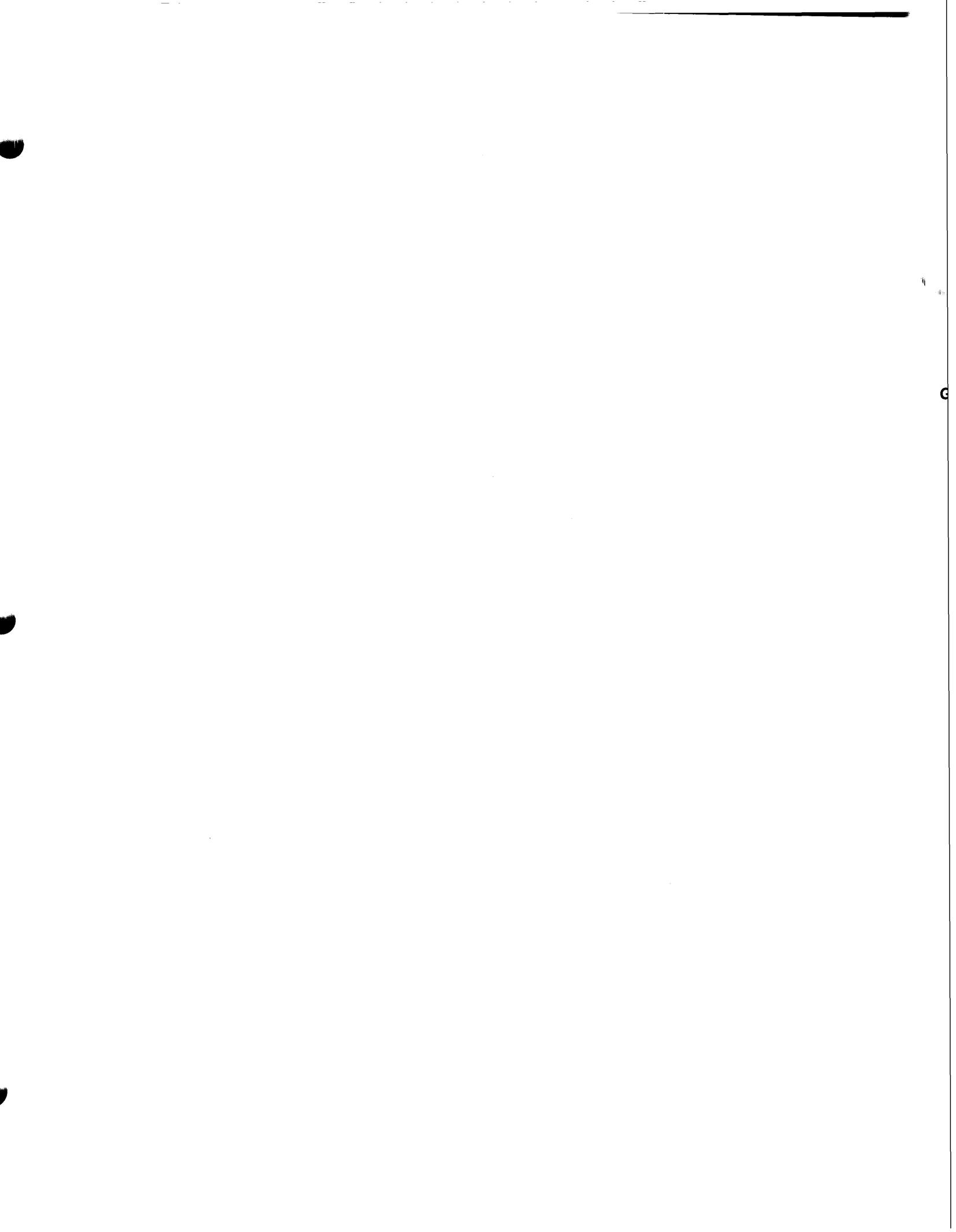
CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	18.13
FORCE STRUCTURE	C4I support for fleet systems
ONE-TIME COSTS (\$ M)	5
ANNUAL SAVINGS (\$ M)	2
RETURN ON INVESTMENT	2002 (3 years)
NET PRESENT VALUE (\$ M)	20.4
BASE OPERATING BUDGET (\$ M)	12
PERSONNEL ELIMINATED (MIL / CIV)	0 / 0
PERSONNEL REALIGNED (MIL / CIV)	6 / 53
ECONOMIC IMPACT (BRAC 95 / CUM)	0.0 / 1.0
ENVIRONMENTAL	Not on National Priorities List

SCENARIO SUMMARY

Naval Command, Control and Ocean Surveillance Center In-Service Engineering, East Coast Detachment, Norfolk, Virginia

DoD RECOMMENDATION	
<p>Close the In-Service Engineering East Coast Detachment, St. Juliens Creek Annex, Norfolk, Virginia, of the Naval Command, Control and Ocean Surveillance Center, except retain in place the transmit and receive equipment and antennas currently at the St. Juliens Creek Annex. Relocate functions, necessary personnel and equipment to Norfolk Naval Shipyard, Norfolk, Virginia.</p>	
<p>One Time Costs (\$M): 5 Annual Savings (\$M): 2 Return on Investment: 2002 (3 Years) Net Present Value (\$M): 20</p>	
PRO	CON
<p>The closure of this activity and the relocation of its principle functions achieves improved efficiencies and a reduction of excess capacity by aligning its functions with other fleet support provided by the shipyard.</p>	<p>None</p>

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BASE ANALYSIS DUGWAY PROVING GROUND, UT

DOD RECOMMENDATION: Realign Dugway Proving Ground by relocating the smoke and obscurant mission to Yuma Proving Ground, AZ, and some elements of chemical/biological research to Aberdeen Proving Ground, MD. Dispose of English Village and retain test and experimentation facilities necessary to support Army and DoD missions.

CRITERIA	DOD RECOMMENDATION
MILITARY VALUE	4 of 4
FORCE STRUCTURE	No Impact
ONE-TIME COSTS (\$ M)	7.9
ANNUAL SAVINGS (\$ M)	19.6
RETURN ON INVESTMENT	1996 (Immediate)
NET PRESENT VALUE (\$M)	248.7
BASE OPERATING BUDGET (\$ M)	39.5
PERSONNEL ELIMINATED (MIL / CIV)	0/249
PERSONNEL REALIGNED (MIL / CIV)	18/64
ECONOMIC IMPACT (BRAC 95 / CUM)	-9.3% / -32.7%
ENVIRONMENTAL	None

**ISSUES
DUGWAY PROVING GROUND, UT**

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
CLOSURE OF ENGLISH VILLAGE / QUALITY OF LIFE	CLOSE	KEEP OPEN REDUCED QUALITY OF LIFE AND LOSS OF PRODUCTIVITY WITH CLOSURE OF ENGLISH VILLAGE.	KEEP OPEN
PERSONNEL REALIGNMENTS	SMOKE AND OBSCURANTS MISSION TO YUMA CHEMICAL / BIOLOGICAL RESEARCH TO ABERDEEN	NONE	PERMITTING PROBLEMS AT BOTH LOCATIONS. PERSONNEL SHOULD BE RETAINED AT DUGWAY.

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SCENARIO SUMMARY DUGWAY PROVING GROUND, UT

DoD RECOMMENDATION
Realign Dugway Proving Ground by relocating the smoke and obscurant mission to Yuma Proving Ground, AZ, and some elements of chemical/biological research to Aberdeen Proving Ground, MD. Dispose of English Village and retain test and experimentation facilities necessary to support Army and DoD missions.
One Time Costs (\$M): 7.8 Annual Savings (\$M): 19.6 Return on Investment: Immediate 1996 Net Present Value (\$M): 248.7

CURRENT DOD POSITION

Secretary of Defense June 14, 1995 supported removing the following recommendation:

- Dugway Proving Ground. The Army recommended the realignment of Dugway, the relocation of some testing functions and disposal of the English Village base support area. Upon further consideration, the Army has determined that operational considerations no longer warrant relocating chemical/biological testing elements to Aberdeen Proving Ground and smoke/obscurants testing to Yuma Proving Ground. Since testing must remain because of facility restrictions and permit requirements, the base operating support, including English Village, should remain commensurate with the testing mission.