

Commissioner's Base Visit Book



Patrick Air Force Base, FL Realignment Recommendations

Commissioner James H. Bilbray

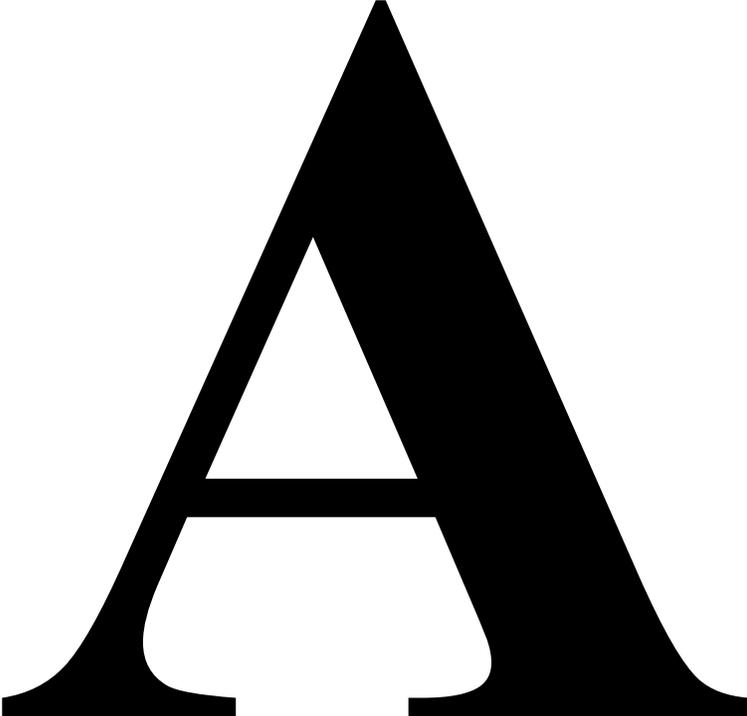
09 June 2005

**PATRICK AIR FORCE BASE
NAVAL ORDNANCE TEST UNIT
COMMISSION BASE VISIT
June 9, 2005**

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ITINERARY FOR 08/09-JUNE 2005
Patrick Air Force Base/Naval Ordnance Test Unit (NOTU) Visit

Commissioner Bilbray

TIME	EVENT	LOCATION	POC	ACTION
08-June 06:39 pm	Commissioner arrives at a/p	Orlando Airport	Les Farrington 774-262-2430 cell	Transport Commissioner to Hotel
09-June 08:15 am LV Radisson	08:30-11:45 Base Visit 12:00 pm Media Meeting	Naval Ordnance Test Unit (NOTU) FL Space Port Authority	Ken Warren, Public Affairs, Patrick AFB (321) 494-1425 (321) 508-2071 (cell) Lillian Bertsch NOTU 321-853-1298 321-480-1267 (cell)	Meetings with Patrick AFB and Naval Ordnance Test Unit officials; tour of areas affected by the DOD recommendation
09-June DL#158 14:05pm	Transport Commissioner to airport	Orlando Airport	Naval Ordnance Test Unit	Transportation

B

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

BASE SUMMARY SHEET

PATRICK AIR FORCE BASE, FL

INSTALLATION MISSION

- The mission of the 45th Wing at Patrick is to enhance national strength through assured access to space for the Department of Defense, civil and commercial users. The Wing oversees the preparation and launching of satellites from Cape Canaveral Air Force Station, FL. It also operates the Eastern Range and provides logistics support to the Naval Ordnance Test Unit's missile tests and submarine operations at Cape Canaveral.
- The Naval Ordnance Test Unit, a tenant organization on Patrick, supports sea based testing of weapons systems and is stated to be the Navy's premier support center for strategic weapons system testing and is program manager for assigned missile support as well as the port of choice for visiting ships.

DoD RECOMMENDATION

- Realign Patrick Air Force Base, Cape Canaveral, FL, by relocating Nuclear Test and Evaluation at the Naval Ordnance Test Unit to Strategic Weapons Facility Atlantic, Kings Bay, GA.

DoD JUSTIFICATION

- This recommendation realigns the stand-alone east coast facility working in full-scale Nuclear Test and Evaluation at Cape Canaveral into a fully supported Navy nuclear operational site at Kings Bay to gain synergy in security (anti-terrorism force protection), fleet operational support and mission support infrastructure. Recent changes in anti-terrorism force protection requirements, the recent establishment of the Western Test Range in the Pacific, and the programmatic decision to no longer require land based (pad) launches at Cape Canaveral all lead to the realignment/relocation of this function to Kings Bay.

COST CONSIDERATIONS DEVELOPED BY DoD

- | | |
|---|-----------------|
| ● One-Time Costs: | \$ 86.4 million |
| ● Net Savings (Cost) during Implementation: | \$ 76.7 million |
| ● Annual Recurring Savings: | \$ 13.4 million |
| ● Return on Investment Year: | 7 years |
| ● Net Present Value over 20 Years: | \$ 61.4 million |

MANPOWER IMPLICATIONS OF THIS RECOMMENDATION (EXCLUDES CONTRACTORS)

Baseline	<u>Military</u>	<u>Civilian</u>	<u>Students</u>
Reductions			
Realignments	(122)	(73)	
Total	(122)	(73)	

MANPOWER IMPLICATIONS OF ALL RECOMMENDATIONS AFFECTING THIS INSTALLATION (INCLUDES ON-BASE CONTRACTORS AND STUDENTS)

	Out		In		Net Gain (Loss)	
	<u>Military</u>	<u>Civilian</u>	<u>Military</u>	<u>Civilian</u>	<u>Military</u>	<u>Civilian</u>
This Recommendation	(136)	(59)	0	0	(136)	(59)
Other Recommendation(s)	0	0	0	0	0	0
Total						

***Does not reflect -376 contractors that would be affected by this realignment.**



management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Consolidate Navy Strategic Test & Evaluation

Recommendation: Realign Patrick Air Force Base, Cape Canaveral, FL, by relocating Nuclear Test and Evaluation at the Naval Ordnance Test Unit to Strategic Weapons Facility Atlantic, Kings Bay, GA.

Justification: This recommendation realigns the stand-alone east coast facility working in full-scale Nuclear Test & Evaluation at Cape Canaveral into a fully supported Navy nuclear operational site at Kings Bay to gain synergy in security (Anti-Terrorism Force Protection-ATFP), Fleet operational support and mission support infrastructure. Since 1956, the Fleet Ballistic Missile (FBM) Program, in support of the TRIDENT (D-Series) Missile, has executed land-based (pad) as well as sea-based (SSBN) test launches supported by the Naval Ordnance Test Unit (NOTU) at Cape Canaveral, FL. This facility provided both the launch support infrastructure as well as docking for sea-based pre- and post-launch events. Recent changes in ATFP requirements, the recent establishment of the Western Test Range in the Pacific, and the programmatic decision to no longer require land based (pad) launches at Cape Canaveral all lead to the realignment/relocation of this function to Kings Bay. This action aligns nicely with the overall Weapons and Armaments strategy to move smaller activities at remote sites into larger facilities to realize a significant synergy in support functions and costs while maintaining mission capability.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$86.4M. The net of all costs and savings to the Department during the implementation period is a cost of \$76.7M. Annual recurring savings to the Department after implementation are \$13.4M with a return on investment expected in 7 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$61.4M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 1013 jobs (571 direct jobs and 442 indirect jobs) over the 2006-2011 period in Palm Bay-Melbourne-Titusville, FL, Metropolitan Statistical Area which is 0.41 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

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

Environmental Impact: This recommendation has the potential to impact cultural, archeological, or tribal resources; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; threatened and endangered species or critical habitat; water resources; and wetlands at Kings Bay. This recommendation has no impact on air quality; dredging; or noise. This recommendation will require spending approximately \$0.1M on environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste

D

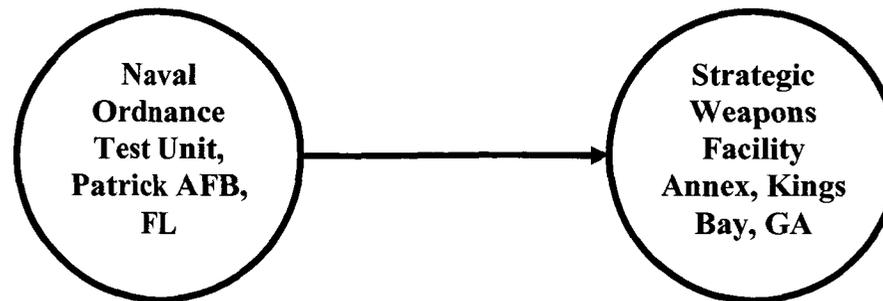
CONSOLIDATE NAVY STRATEGIC TEST & EVALUATION

PATRICK AFB, FL

REALIGN

Out		In		Net Gain/(Loss)		Net Mission Contractor	Total Direct
Mil	Civ	Mil	Civ	Mil	Civ		
(136)	(59)	0	0	(136)	(59)	0	(195)

Recommendation: Realign Patrick Air Force Base, Cape Canaveral, FL, by relocating Nuclear Test and Evaluation at the Naval Ordnance Test Unit to Strategic Weapons Facility Atlantic, Kings Bay, GA.





Questions for Naval Ordnance Test Unit (NOTU), tenant on Patrick Air Force Base,

FL

- 1. Prior to meeting with the Naval Ordnance Test Unit, obtain an overview brief from Patrick Air Force Officials regarding their mission, organization, capabilities, and current and projected workload.**
- 2. Obtain clarification on the number of military, civilian and contractor personnel affected by the realignment. Information contained in Appendix C (p.C-6) of DOD's Base Closure and Realignment Report (Vol 1 part 1 of 2, May 2005) shows -136 military, -59 civilian and 0 net mission contractor. Part 2 of 2 of this report (Tech 12 Technical Joint Cross-Service Recommendations) shows an economic impact of 571 direct jobs lost. The Joint Cross Service Group advised that -376 contractor positions should have been included in App. C to result in a correct total of -571 jobs lost (136, 59, and 376).**
- 3. To what extent will these changes in job losses affect initial estimates of savings? Please provide the numbers and types of jobs affected by the movement of the NOTU from Patrick to Kings Bay.**
- 4. What is the current mission of NOTU now and will it change at Kings Bay? Since land based (pad) launches are no longer performed at Cape Canaveral, how will the function of NOTU change at Kings Bay? How will this move affect the military value of NOTU?**
- 5. What is the role of contractors in the testing process and to what extent will technical skills be available at Kings Bay in the event that personnel now at Patrick may not move? Are there any issues associated with this relocation and does Kings Bay have sufficient capacity, infrastructure and technical capability to accommodate this relocation?**
- 6. Please provide copies of the certified data you supplied to OSD in response to data calls. Specifically, how will the move from Patrick to Kings Bay enhance the military value of the mission you perform?**

F

Base Visit Book
DCN 2550

Cape Canaveral Air Force Station

Patrick Air Force Base

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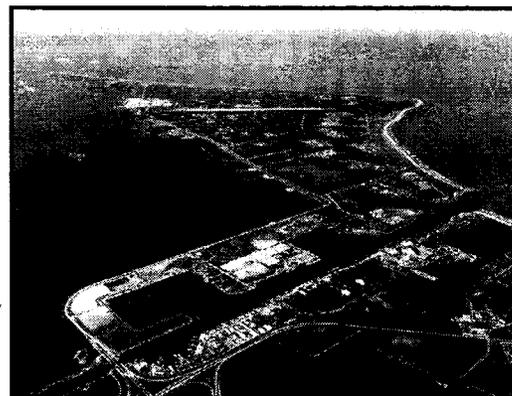
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You have landed at the 45th Space Wing, Cape Canaveral Air Force Station Commander's homepage. The Commander and staff operate as the Wing commander's liaison with both the internal Patrick AFB/Cape Canaveral Air Force Station communities, and the external communities surrounding Cape Canaveral Air Force Station.

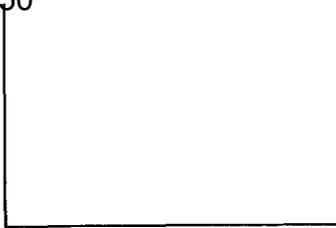


Mission

Det 1, 45th Mission Support Group, otherwise known as the Cape Commander's office, is responsible for the day-to-day operations at Cape Canaveral Air Force Station. These responsibilities include monitoring multiple space launch support contracts with an estimated value in excess of \$100 million dollars, as well as the management of facility repair/maintenance and utilization, and the security and environmental protection for the Cape. The commander of Det 1 exercises operational control over Mission Support Group personnel supporting Cape Canaveral AFS: security, civil engineering, contracting, and services. The Cape Commander and staff are also the stewards of the Cape, having responsibility for assets which include over 16,000 acres, over 1500 facilities, 4.6 million square feet of office space, and nearly \$600 million in real estate with a work force of 10,000 people. The Cape Commander and staff are stewards of the environment with responsibility for protecting the wildlife, both endangered and protected species, as well as the plant life. Finally, the Cape Commander and his deputies serve as On-Scene



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Commander of Disaster Response Forces for all space launches and hazardous operations.

Contact Us

Executive Assistant: 853-3900

Cape Public Affairs: (321) 494-5933/DSN 854-5933

Email: 45swpa@patrick.af.mil

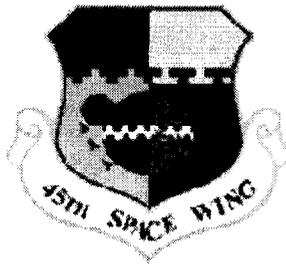
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SPACE

45th Space Wing [45th SW]



The mission of the 45th Space Wing is to enhance national strength

Units

- [45th Operations Group](#)
- [45th Logistics Group](#)
- [45th Support Group](#)

Base

- Patrick AFB, FL
- Cape Canaveral AFS, FL

Official Homepage

- [45th Space Wing](#)

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Public Eye

through assured access to space for Department of Defense, civil, and commercial users.

The 45th Space Wing oversees the preparation and launching of US government, civil and commercial satellites from Cape Canaveral Air Force Station, FL. The 45th SW also operates the Eastern Range.

The 45th SW "Sharks" provides launch facilities, property and services to support NASA and

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The mission of the 45th Space Wing is to enhance national strength through assured access to space for Department of Defense, civil, and commercial users.

The 45th Space Wing oversees the preparation and launching of US government, civil and commercial satellites from Cape Canaveral Air Force Station, FL. The 45th SW also operates the Eastern Range.

The 45th SW "Sharks" provides launch facilities, property and services to support NASA and commercial space operations from Cape Canaveral AFS.

The 45th also provides logistics support to the Naval Ordnance Test Unit's missile tests and submarine operations at Cape Canaveral.

It comprises more than 11,000 government and contractor personnel, which are located at Patrick AFB, Cape Canaveral. The annual budget of the 45th Space Wing is \$326.8 million.

Base Visit Book
DCN 2550

Farrington, Lester, CIV, WSO-BRAC

From: Durso, James, CIV, WSO-BRAC
Sent: Friday, June 03, 2005 5:53 PM
To: Robertson, Kathleen, CIV, WSO-BRAC; Farrington, Lester, CIV, WSO-BRAC
Cc: Van Saun, David, CIV, WSO-BRAC
Subject: FW: BRAC Commission staff to visit Patrick next week
Attachments: Cape Canaveral History.xls; Takser for Dr. Segal (7.65 KB); Memorandum of Record.doc; NOTU rev 1 03102005.ppt

FYI.

Jim

From: Short, James, Dr, OSD-ATL
Sent: Friday, June 03, 2005 5:48 PM
To: Durso, James, CIV, WSO-BRAC
Cc: Shaffer, Alan, Mr, OSD-ATL
Subject: FW: BRAC Commission staff to visit Patrick next week

Mr. Durso,

Please share this message with the Staff members going to Patrick Air Force Base next week.

The information is intended to contribute to an efficient visit to Patrick, so the staff is informed about the tasks being moved and about tasks that might be eliminated. I hope to have additional information about the jobs eliminated on June 6.

Having this information might enable the Commission Staff to arrive at Patrick with a sense of understanding and compassion.

Attached are files regarding Patrick AFB and NOTU.

1 PowerPoint has rationale as to AT/FP issues at Patrick and capacity needs and availability at Kings Bay.

2) Memo of Record has documented the TJCSG acceptance of a modification to the standard 15% reduction based on Navy's detailed position-by-position assessment of expected reductions from the scenario.

3) Excel Spread Sheet of the history of the Cape Launch Pads and Launches with Navy activity on Launch Pads 25, 29 and 46 along with US and Naval launches that have taken place.

James M. Short, Director, Defense Laboratory Management; ODUSD (LABS)
875 Randolph Street, Suite 150
Arlington, VA 22203
james.short@osd.mil; 703 588-1476 DDR&E office; 703 509-2682 cellular
703 588-1423 DDR&E fax

6/4/2005

**Naval Ordnance Test Unit
(NOTU)
Cape Canaveral, FL
Submarine Base Kings Bay, GA**

Port Canaveral, FL



Reference: www.portcanaveral.org

Naval Ordnance Test Unit (NOTU) Port Canaveral, FL

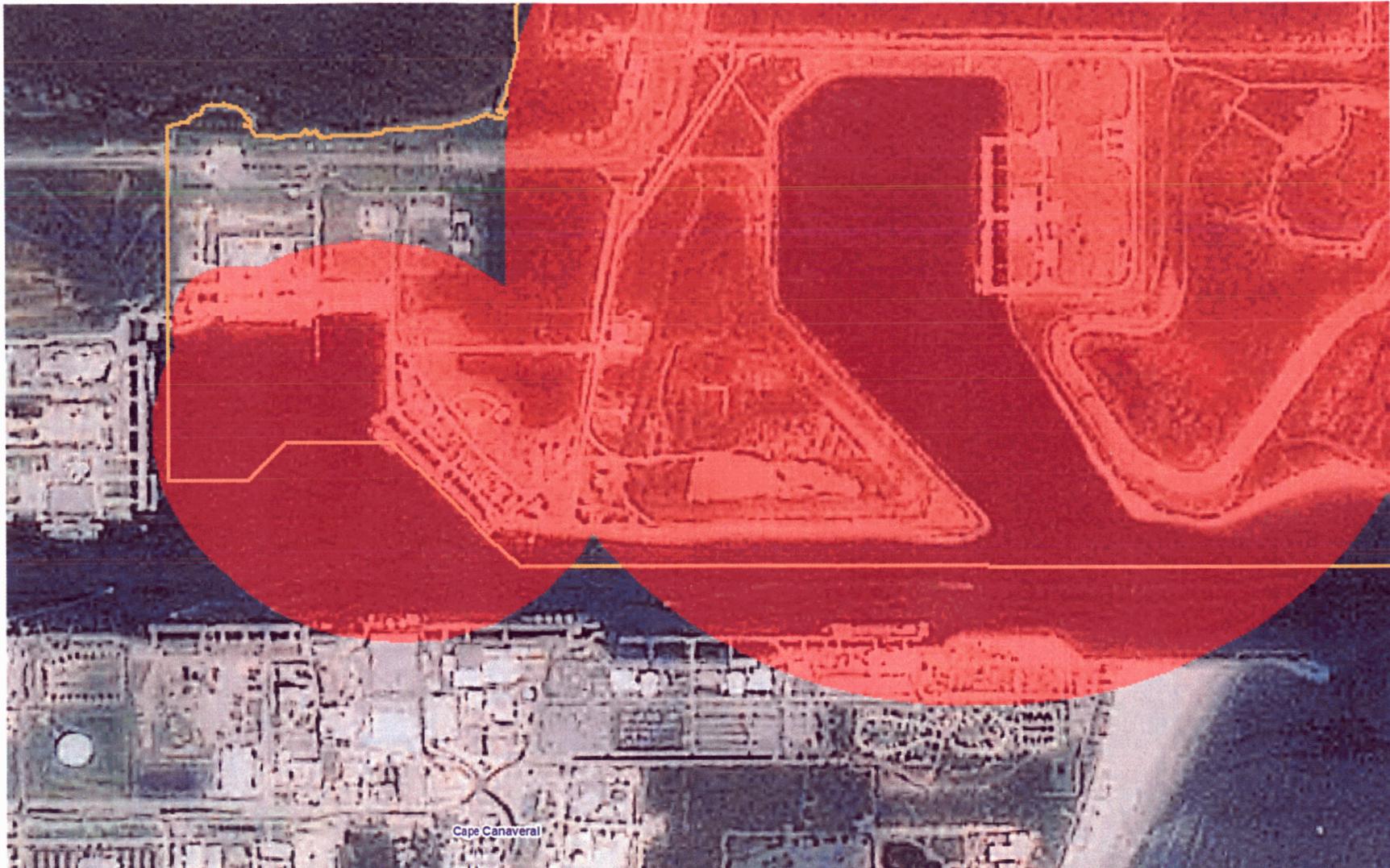
NOTU

TRIDENT



Reference: www.portcanaveral.org

Naval Ordnance Test Unit Explosive Safety Boundary



Reference: DOD BRAC Installation Visualization Tool (IVT)
ODUSD/I&E (BT)

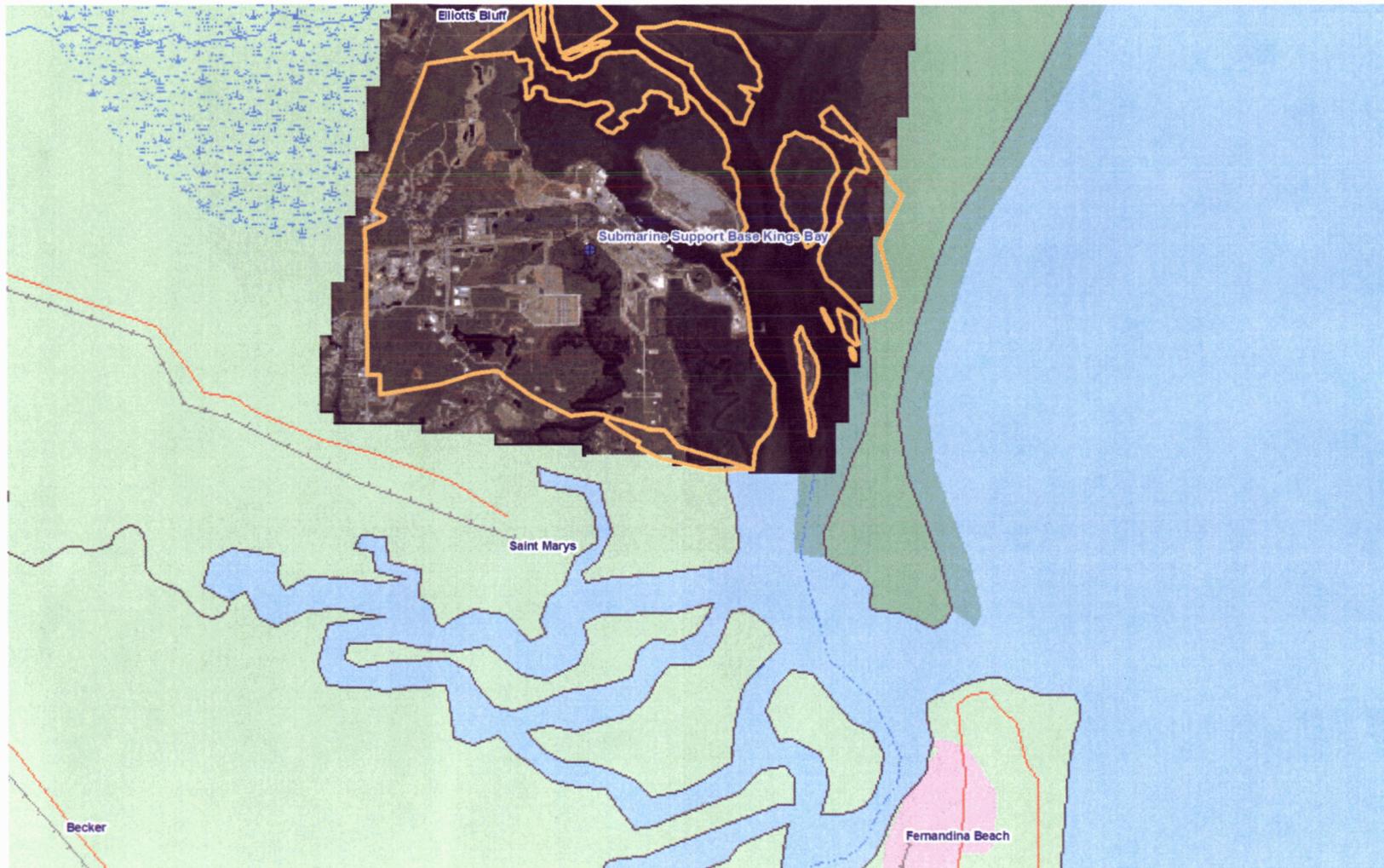
Naval Ordnance Test Unit (NOTU)

Port Canaveral, FL

- NOTU has documented berthing capacity for 4 Cruiser equivalent ships.
- A TRIDENT SSBN Submarine is a Cruiser equivalent ship in berthing/pier space needs.
- Port Canaveral Authority continues to expand the commercial ventures within the confined port area.
- All commercial ships (Cruise Lines, Cargo, Private) must pass the military boundary for each transit into and out of the port.
- Security requirements (Anti-Terrorism Force Protection) have increased dramatically.
- TRIDENT Program requirements for this unique facility (land based PAD launches) has been deleted.

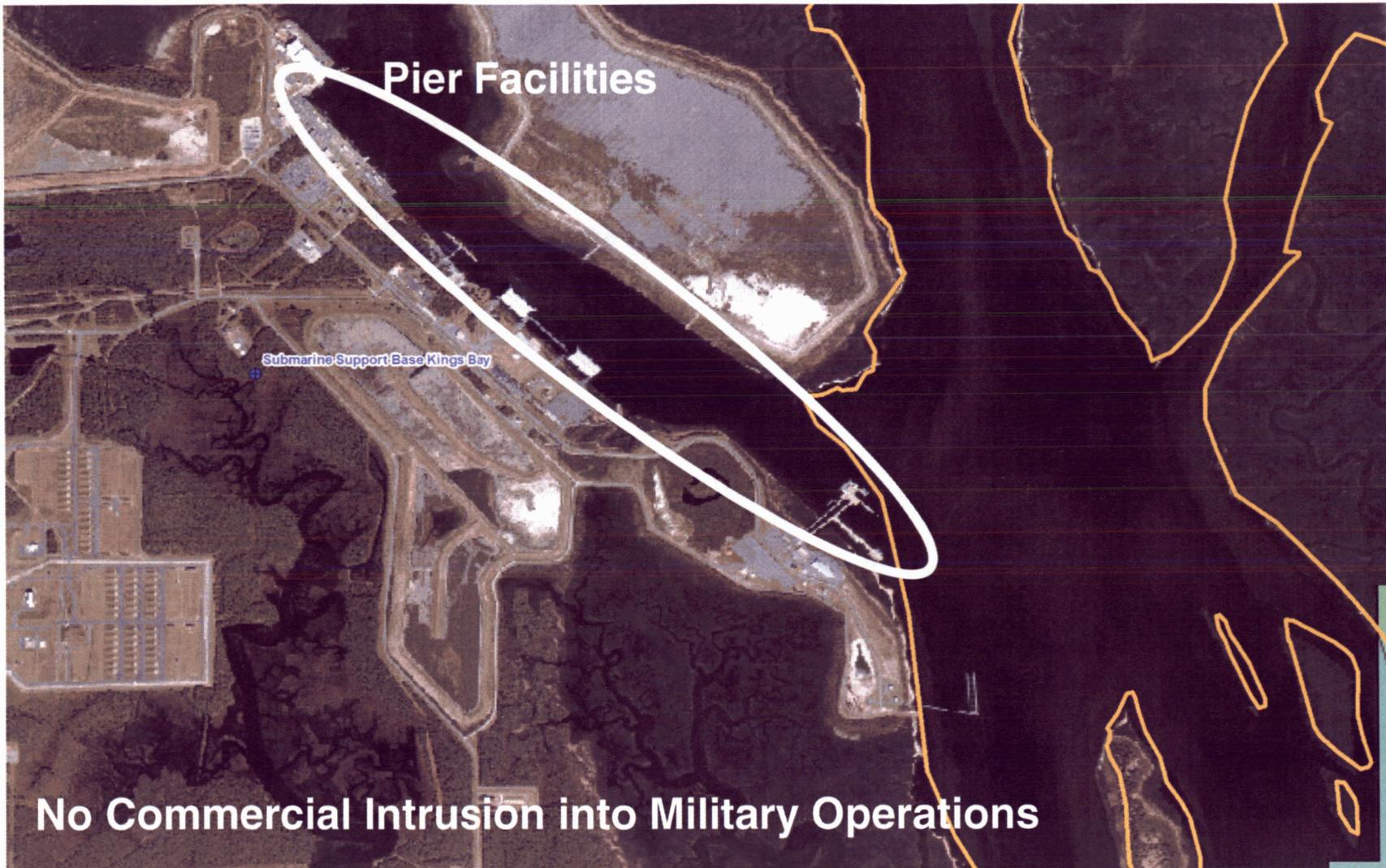
CAPACITY PIER/Berthing (units: Cruiser Equivalents (CGE))						
Activity	Current Capacity	Current Usage	Potential Capacity	Available to Surge	Required to Surge	Excess Capacity
NAVORDTESTU	4	1	4	3	0	3
Cape Canaveral, FL						

Submarine Base Kings Bay, GA



Reference: DOD BRAC Installation Visualization Tool (IVT)
ODUSD/I&E (BT)

Kings Bay Submarine Base



Reference: DOD BRAC Installation Visualization Tool (IVT)
ODUSD/I&E (BT)

Draft Deliberative Document - For Discussion Purposes Only - Do Not Release Under FOIA

Submarine Base Kings Bay, GA

- Kings Bay has documented berthing capacity for 13.5 Cruiser equivalent ships with current usage at 4.
- Submarine Base Kings Bay is surrounded by tidal and wetland protected areas with unencumbered access to the Atlantic Operational Area.
- Military Operations are unhindered by commercial ventures.

CAPACITY PIER/Berthing (units: Cruiser Eequivalents (CGE))						
Activity	Current Capacity	Current Usage	Potential Capacity	Available to Surge	Required to Surge	Excess Capacity
SBKB Kings Bay, GA	13.5	4*	13.5	9.5	0	9.5

*8 CGE with assumption that only half are in port at any given time

Memorandum of Record

TECH 0018E Consolidate Navy Strategic Weapons T&E

Issue: Personnel reductions of greater than the TJCSG approved 15%.

Rational: The Navy BRAC office was contacted to verify the original submit that included reductions of civilian and military personnel at values greater than the approved TJCSG 15%. The Navy BRAC office confirmed the numbers and provided an informal white paper developed for the scenario that addressed all work areas affected, position-by-position, and the potential reductions that could take place with the move to a large operational site. Many of these positions would be redundant when the move to the new Command is executed. Examples of positions eliminated are front office positions (e.g. C.O., Chief of Staff, Admin, Management Information Systems, Security Details etc.). The levels of reductions proposed were:

31% officers

26% enlisted

58% civilians

20% contractors

The additional position reductions and rational provided were deemed reasonable by the W&A sub-group, presented to the TJCSG for deliberative decision and were approved.

Neil T. Baron
TJCSG Weapons and Armaments Sub Group
March 31, 2005

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DCN 2550

Farrington, Lester, CIV, WSO-BRAC

From: Higgins, Karen L SES [karen.higgins@navy.mil]
Sent: Tuesday, May 17, 2005 12:25 PM
To: Lawrence C. Schuette; Castle Fred F Brig Gen AF/XP; Shaffer, Alan, Mr, OSD-ATL; thom.mathes@US.ARMY.MIL; Mleziva Matt Ctr SAF/AQX; schuette@nrl.navy.mil; Berry, William, Dr, OSD-ATL
Cc: Short, James, Dr, OSD-ATL; Goldstayn Alan B Civ AEDC/CD; Baron, Neil T CIV N-DEPTSTAFF; Dr. Robert Arnold; Dr. Robin Buckelew; Higgins, Karen L SES; Magdinec, Marc S CIV NAVSEA; Marc Magdinec; Peter O'Neill
Subject: RE: Takser for Dr. Sega

Thanks Robin and Neil
I edited a bit and am sending forward.

Jim/ Al/ Fred
Here are two additional W&A inputs for the tasker
vr/
Karen

* W&A looked at capacity in terms of overall buildable land for our relocations. We looked at the synergy of what was already in the receiving locations -- a technical capacity measure for surge and for the ability to expand. The military would call it an experienced cadre upon which a bigger organization can be built. When we collocated R, D&A, and T&E, we checked capacity in each bin for receiver locations, to make sure we had sufficient in each bin to support the weapons development life cycle. The W&A group was constituted to have knowledge of major capacities across the services and in particular specialty areas such as surface weapons and guns/ammo. Thus our knowledge was not just qualitative, but also quantitative.

* In 18E, we were not able to traditionally associate capacity between the DTAP of W&A and what ever Kings Bay binned their activities under (a data mechanics disconnect), however, we were able to associate a significant infrastructure characteristic (pier space) that was foundational at both sites and key to executing the function. Nuke T&E at Cape Canaveral required the piers for SSBNs, this was a large infrastructure component of the function being performed (the other being near land based launch pads which became irrelevant over time with our completion of the Trident D5 motor (new motor work is probably ~20 years out, we will reconstitute then if necessary). So pier space capacity for the SSBN and the support ships for the testing between the two sites was a big driver and was a capacity attribute for direct and surge levels to support the scenario decision. The "brick and mortar" part was not associatable due to the data mechanics but we felt it could be easily established (MILCON) under the BRAC rules given that NOTU was a small unit going onto a large base at Kings Bay.

6/4/2005

RE: Takser for Dr. Segal
Base Visit Book
DCN 2550

-
>
> -----Original Message-----
> From: Shaffer, Alan, Mr, OSD-ATL
> Sent: Mon 5/16/2005 2:39 PM
> To: 'karen.higgins@navy.mil'; 'thom.mathes@US.ARMY.MIL';
> Mleziva Matt Ctr SAF/AQX; 'schuette@nrl.navy.mil'; Berry,
> William, Dr, OSD-ATL
> Cc: Short, James, Dr, OSD-ATL; Castle Fred F Brig Gen
> AF/XP; Goldstain Alan B Civ AEDC/CD
> Subject: Takser for Dr. Segal
>
>
>
> Folks--you heard the tasking, I hope.
>
> By first thing in the morning, could you please give a
> couple of examples where you used the "other" capacity measures
> qualitatively to inform / shape your scenarios.
>
> Send them to Fred, Jim and I
>
> Fred--could you please pull together to give to Dr Segal
> tomorrow AM?
>
> Thanks
>
> Al
> -----
> Sent from my BlackBerry Wireless Handheld

Base Visit Book
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Cape Canaveral/Cape Kennedy History from <http://www.spaceline.org/statistics/pads.html>

Launch Site	First Launch	Last Launch	#	Types Of Vehicles Launched
Launch Pads				
Launch Pad 1	6/20/1957	2/12/1960	4*	Snark
Launch Pad 2	2/18/1954	12/5/1960	21*	Snark
Launch Pad 3	7/24/1950	7/24/2000	102*	Bumper-WAC, Lark, Bomarc A, X-17, Polaris FTV, Bumper Scale Model
Launch Pad 4	9/10/1952	4/15/1960	24*	Bomarc A, Redstone, Matador, Bomarc B
Launch Pad 4A	9/3/1958	1/27/1959	3*	Bomarc A
Launch Pad 5	7/19/1956	7/21/1961	24	Jupiter A, Jupiter C, Jupiter, Juno I, Redstone, Juno II, Mercury-Redstone
Launch Pad 6	4/20/1955	6/26/1961	42	Redstone, Jupiter A, Jupiter C, Jupiter
Launch Pad 9	11/6/1956	11/18/1958	11	Navaho XSM-64
Launch Pad 10	8/14/1958	4/27/1959	9	Jason, Alpha Draco
Launch Pad 11	7/19/1958	4/1/1964	33	Atlas B, Atlas-Score, Atlas D, Atlas E, Atlas F
Launch Pad 12	1/10/1958	11/5/1967	37	Atlas A, Atlas C, Atlas D, Atlas-Able, Atlas-Agena B, Atlas-Antares, Atlas-Agena D
Launch Pad 13	8/2/1958	4/6/1978	51	Atlas B, Atlas D, Atlas E, Atlas F, Atlas-Agena D
Launch Pad 14	6/11/1957	11/11/1966	32	Atlas A, Atlas B, Atlas D, Atlas-Able, Atlas-Agena A, Mercury-Atlas, Atlas-Agena D
Launch Pad 15	2/6/1959	4/9/1964	26	Titan I, Titan II
Launch Pad 16 (Titan)	12/12/1959	5/29/1963	13	Titan I, Titan II
Launch Pad 16 (Pershing)	2/21/1973	3/21/1988	149	Pershing IA, Pershing II
Launch Pad 17A	8/30/1957	Active	149	Thor, Thor-Able 0, Thor-Able I, Thor-Able II, Thor-Able III, Thor-Able IV, Delta, Thor-Able Star, Delta B, Delta D, Delta C, Delta E, Delta G, Delta M, Delta N, Delta L, Delta M6, Delta 2000, Delta 3000, Delta II 6000, Delta II 7000
Launch Pad 17B	1/25/1957	Active	147	Thor, Thor-Able Star, Delta, Delta A, Delta B, Thor-Asset Delta C, Delta E, Delta G, Delta N, Delta 1000, Delta 2000, Delta 3000, Delta 4000, Delta II 6000, Delta II 7000, Delta III 8000
Launch Pad 18A	12/8/1956	6/9/1965	24	Vanguard, Blue Scout Junior
Launch Pad 18B	6/4/1958	4/12/1962	23	Thor, Blue Scout I, Blue Scout II, Mercury-Scout
Launch Pad 19	8/14/1959	11/11/1966	27	Titan I, Gemini-Titan II
Launch Pad 20 (Titan)	7/1/1960	5/6/1965	20	Titan I, Titan III-A
Launch Pad 20 (Suborbital)	12/18/1990	5/28/1993	6	Starbird, Prospector, Aries I
Launch Pad 20 (Spaceport Fla.)	N/A	N/A	N/A	Sounding Rockets
Launch Pad 21	7/24/1958	7/17/1963	41	Bull Goose, Mace
Launch Pad 22	3/13/1957	6/24/1960	23	Bull Goose, Mace
Launch Pad 25A	4/18/1958	3/5/1965	60	Polaris FTV, Polaris A1, Polaris A2, Polaris A3
Launch Pad 25B	8/14/1959	8/2/1960	8	Polaris A1
Launch Pad 25C	8/16/1968	1/23/1979	34	Poseidon, Trident I
Launch Pad 25D	9/17/1969	9/17/1969	1	Poseidon
Launch Pad 26A	8/28/1957	1/22/1963	14	Jupiter, Juno I, Redstone
Launch Pad 26B	10/22/1957	5/24/1961	22	Jupiter, Juno II
Launch Pad 29	9/21/1959	5/19/1980	58	Polaris A1, Polaris A2, Polaris A3, Chevaline
Launch Pad 30A	2/25/1960	4/24/1963	56	Pershing I
Launch Pad 31A	2/1/1961	3/14/1970	4	Minuteman I, Minuteman II
Launch Pad 34	10/27/1961	10/11/1968	7	Saturn I Block I, Saturn IB

Base Visit Book
DCN 2550

Launch Pad 36A	5/8/1962	Active	63	Atlas-Centaur 1962, Atlas-Centaur 1966, Atlas II-Centaur, Atlas IIA-Centaur, Atlas IIAS-Centaur
Launch Pad 36B	8/11/1965	Active	69	Atlas-Centaur 1962, Atlas-Centaur 1966, Atlas I-Centaur, Atlas II-Centaur, Atlas IIA-Centaur, Atlas IIAS-Centaur, Atlas IIIA-Centaur
Launch Pad 37B (Saturn)	1/29/1964	1/22/1968	8	Saturn I Block II, Saturn IB
Launch Pad 37 (Delta IV)				<i>Under Construction</i>
Launch Pad 39A	11/9/1967	Active	72	Saturn V Apollo, Saturn V Skylab, Columbia, Challenger, Discovery, Atlantis, Endeavour
Launch Pad 39B	5/18/1969	Active	51	Saturn V Apollo, Saturn IB, Challenger, Discovery, Atlantis, Columbia, Endeavour
Launch Pad 40	6/18/1965	Active	50	Titan III-C, Titan 34D, Commercial Titan III, Titan IVA, Titan IVB
Launch Pad 41 (Titan)	12/21/1965	4/9/1999	27	Titan III-C, Titan III-E Centaur, Titan IVA, Titan IVB
Launch Pad 41 (Atlas V)				<i>Under Construction</i>
Launch Pad 43	N/A	N/A	N/A	Sounding/Weather Rockets
Launch Pad 44	N/A	N/A	N/A	Dragon
Launch Pad 45	N/A	N/A	N/A	Roland II
Launch Pad 46 (Trident)	1/15/1987	1/26/1989	19	Trident II
Launch Pad 46 (Spaceport Fla.)	1/6/1998	Active	2	Athena II, Athena I
Launch Pad 47	N/A	N/A	1**	Sounding/Weather Rockets, Loft-1
Silos				
Silo 31B	12/18/1961	9/23/1969	35	Minuteman I, Minuteman II, Minuteman III
Silo 32B	8/30/1961	12/14/1970	53	Minuteman I, Minuteman II, Minuteman III
Other Land Sites				
Cape Canaveral Skid Strip	8/19/1955	1/26/1959	15	Navaho X-10
Patrick Air Force Base	5/20/1956	5/20/1956	1	Matador
Aircraft				
FB-111	4/21/1975	12/9/1981	14	SRAM
B-47	5/26/1958	10/13/1959	12	Bold Orion
B-52	4/23/1959	2/9/1993	101	Hound Dog, Skybolt, SRAM, Pegasus
B-58	9/5/1958	6/4/1959	3	ALBM-199C
L-1011	10/22/1998	Active	1	Pegasus
Ships				
PTM Patrol Boat	2/18/1982	4/8/1982	9	Penguin
USS Observation Island	8/27/1959	3/24/1970	28	Polaris A1, Polaris A2, Polaris A3, Poseidon
Submarines				

Base Visit Book
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HMS Renown	7/24/1969	2/8/1982	9	Polaris A3, Chevaline
HMS Repulse	3/27/1969	5/10/1987	8	Polaris A3, Chevaline
HMS Resolution	2/15/1968	6/10/1985	8	Polaris A3, Chevaline
HMS Revenge	6/1/1970	8/2/1986	13	Polaris A3, Chevaline
HMS Vanguard	5/26/1994	Active	2	Trident II
HMS Victorious	7/24/1995	Active	2	Trident II
HMS Vigilant	10/10/1997	Active	2	Trident II
HMS Vengeance	9/21/2000	Active	1	Trident II
USS Abraham Lincoln	5/3/1961	7/26/1974	20	Polaris A1, Polaris A3
USS Alabama	7/6/1985	Active	1	Trident I
USS Alaska	2/21/1986	Active	5	Trident I
USS Alexander Hamilton	8/9/1963	9/29/1989	20	Polaris A2, Poseidon
USS Andrew Jackson	10/1/1963	5/25/1982	22	Polaris A2, Polaris A3, Poseidon
USS Benjamin Franklin	12/6/1965	1/23/1989	9	Polaris A3, Poseidon, Trident I
USS Casimir Pulaski	10/31/1964	6/18/1985	14	Polaris A3, Poseidon, Trident I
USS Daniel Boone	7/16/1964	3/24/1990	18	Polaris A3, Poseidon, Trident I
USS Daniel Webster	5/25/1964	9/2/1985	10	Polaris A3, Poseidon
USS Ethan Allen	10/16/1961	8/9/1974	27	Polaris A1, Polaris A2, Polaris A3
USS Florida	8/21/1983	Active	9	Trident I
USS Francis Scott Key	4/3/1967	12/7/1985	30	Polaris A3, Poseidon, Trident I
USS George Bancroft	4/7/1966	2/4/1989	20	Polaris A3, Poseidon, Trident I
USS George C. Marshall	7/11/1966	10/16/1987	18	Polaris A3, Poseidon
USS George W. Carver	9/1/1966	8/10/1985	14	Polaris A3, Poseidon
USS George Washington	7/20/1960	9/20/1978	12	Polaris A1, Polaris A3
USS Georgia	4/7/1984	Active	5	Trident I
USS Henry Clay	4/6/1964	6/29/1984	14	Polaris A2, Polaris A3, Poseidon
USS Henry L. Stimson	11/14/1966	4/8/1992	23	Polaris A3, Poseidon, Trident I
USS Henry M. Jackson	12/4/1984	Active	11	Trident I
USS James K. Polk	6/10/1966	3/9/1989	19	Polaris A3, Poseidon
USS James Madison	9/28/1964	6/5/1982	12	Polaris A3, Poseidon, Trident I
USS James Monroe	2/3/1964	9/12/1987	13	Polaris A3, Poseidon
USS John Adams	6/23/1964	6/4/1986	18	Polaris A2, Polaris A3, Poseidon
USS John C. Calhoun	2/15/1965	9/29/1987	25	Polaris A3, Poseidon, Trident I
USS John Marshall	7/12/1962	9/18/1976	23	Polaris A2, Polaris A3
USS Kamehameha	2/24/1966	4/30/1990	14	Polaris A3, Poseidon
USS Kentucky	8/30/1991	Active	8	Trident II
USS Lafayette	6/13/1963	9/2/1983	23	Polaris A2, Poseidon

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USS Lewis And Clark	2/17/1966	11/4/1986	18	Polaris A3, Poseidon
USS Louisiana	12/18/1997	Active	1	Trident II
USS Maine	12/7/1995	Active	1	Trident II
USS Mariano G. Vallejo	3/5/1967	5/10/1991	30	Polaris A3, Poseidon, Trident I
USS Maryland	29/92	Active	10	Trident II
USS Michigan	11/21/1982	Active	2	Trident I
USS Nathan Hale	1/13/1964	3/6/1985	28	Polaris A2, Polaris A3, Poseidon
USS Nathanael Greene	3/15/1965	8/22/1981	9	Polaris A3, Poseidon
USS Nebraska	8/20/1993	Active	4	Trident II
USS Nevada	9/30/1986	Active	5	Trident I
USS Ohio	1/17/1982	Active	7	Trident I
USS Patrick Henry	9/13/1960	6/28/1978	16	Polaris A1, Polaris A2, Polaris A3
USS Pennsylvania	3/12/1990	Active	14	Trident II
USS Rhode Island	12/1/1994	Active	3	Trident II
USS Robert E. Lee	12/22/1960	11/20/1978	20	Polaris A1, Polaris A2, Polaris A3
USS Sam Houston	4/25/1962	4/26/1975	19	Polaris A2, Polaris A3
USS Sam Rayburn	1/23/1965	3/22/1983	9	Polaris A3, Poseidon
USS Simon Bolivar	1/17/1966	2/6/1988	20	Polaris A3, Poseidon, Trident I
USS Stonewall Jackson	12/2/1964	2/27/1988	10	Polaris A3, Poseidon, Trident I
USS Tecumseh	8/6/1964	4/1/1988	17	Polaris A3, Poseidon
USS Tennessee	3/21/1989	Active	25	Trident II
USS Theodore Roosevelt	3/23/1961	8/27/1974	10	Polaris A1, Polaris A2, Polaris A3
USS Thomas A. Edison	5/23/1962	4/12/1975	17	Polaris A2, Polaris A3
USS Thomas Jefferson	2/21/1963	3/29/1976	14	Polaris A2, Polaris A3
USS Ulysses S. Grant	9/5/1964	7/31/1987	11	Polaris A3, Poseidon
USS Von Steuben	12/22/1964	9/17/1986	15	Polaris A3, Poseidon, Trident I
USS West Virginia	11/28/1990	Active	16	Trident II
USS Will Rogers	7/31/1967	5/20/1986	14	Polaris A3, Poseidon
USS Woodrow Wilson	3/2/1964	1/10/1983	18	Polaris A2, Polaris A3, Poseidon
USS Wyoming	5/30/1997	Active	3	Trident II
Unconfirmed Launch Sites	6/20/1951	6/1/1961	402	Matador, Snark, Bomarc A, RV-A-10, Bomarc B

* This number includes confirmed launches only. Many launches from this launch pad are not confirmed in official chronologies.

** This number represents the launch of a single Loft-1 rocket on November 17, 1988. This was a sounding rocket, which are typically not included in official chronologies. However, this was the first commercial launch from Cape Canaveral and is included here for historic purposes.

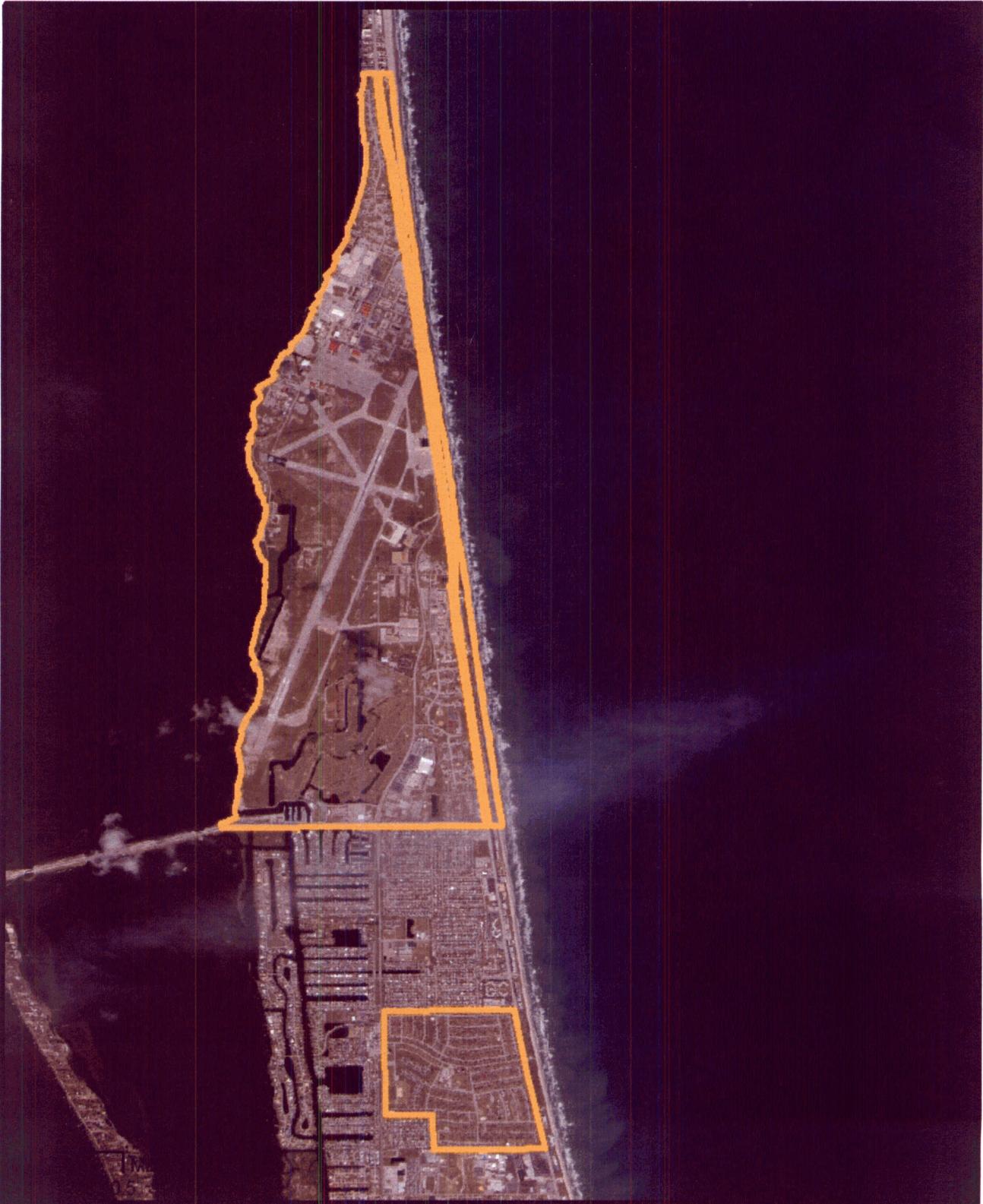
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Recommended Florida Base Realignments and Closures



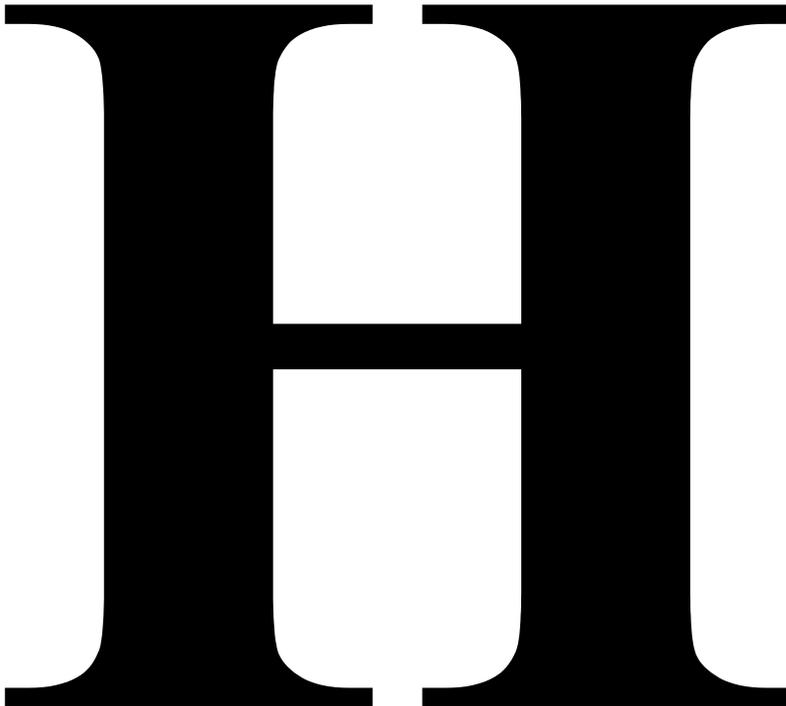
Patrick AFB Statistics
Total Acres: 2,341 Total Personnel: 3,718
Acres Owned: 2,108 Mil: 2,591
Civ: 1,117 Other: 10





Patrick AFB, FL

 Installation Boundary



APPENDIX L

BASE CLOSURES AND REALIGNMENTS BY STATE 1988, 1991, 1993, 1995

ALABAMA

1988	Alabama Army Ammunition Plant	CLOSE
1988	Coosa River Storage Annex	CLOSE
1991	Fort Rucker	REALIGN
1993	Naval Station Mobile	CLOSE
1993	Naval Reserve Center Gadsden	CLOSE
1993	Naval Reserve Center Montgomery	CLOSE
1993	Anniston Army Depot	REALIGN
1995	Fort McClellan	CLOSE
1995	Naval Reserve Center Huntsville	CLOSE

ALASKA

1995	Fort Greely	REALIGN
1995	Naval Air Facility Adak	CLOSE

ARKANSAS

1991	Eaker Air Force Base	CLOSE
1991	Fort Chaffee	CLOSE
1993	Naval Reserve Center Fayetteville	CLOSE
1993	Naval Reserve Center Fort Smith	CLOSE
1995	Fort Chaffee	CLOSE

ARIZONA

1988	Navajo Army Depot Activity	CLOSE
1991	Williams Air Force Base	CLOSE
1995	Williams Air Force Base	REDIRECT

CALIFORNIA

1988	George Air Force Base	CLOSE
1988	Hamilton Army Airfield	CLOSE
1988	Mather Air Force Base	CLOSE
1988	Naval Station San Francisco (Hunters Point)	REALIGN
1988	Norton Air Force Base	CLOSE
1988	Presidio of San Francisco	CLOSE
1988	Salton Sea Test Base, Imperial County	CLOSE
1991	Beale Air Force Base	REALIGN
1991	Castle Air Force Base	CLOSE
1991	Fort Ord	CLOSE
1991	Hunters Point Annex, San Francisco	CLOSE
1991	Integrated Combat Systems Test Facility San Diego	CLOSE
1991	Letterman Army Institute of Research Presidio of San Francisco	DISSTAB
1991	Fleet Combat Direction Systems Support Activity San Diego	REALIGN

1991	March Air Force Base	REALIGN
1991	Mather Air Force Base	REDIRECT
1991	Naval Air Station Moffett Field	CLOSE
1991	Naval Electronic Systems Engineering Center San Diego	CLOSE
1991	Naval Electronic Systems Engineering Center Vallejo	CLOSE
1991	Naval Space Systems Activity Los Angeles	CLOSE
1991	Naval Station Long Beach	CLOSE
1991	Naval Weapons Center China Lake	REALIGN
1991	Pacific Missile Test Center Point Mugu	REALIGN
1991	Sacramento Army Depot	CLOSE
1991	Marine Corps Air Station Tustin	CLOSE
1993	Castle Air Force Base (B-52 Combat Crew Training redirected from Fairchild AFB to Barksdale AFB and KC-135 Combat Crew Training from Fairchild AFB to Altus AFB)	REDIRECT
1993	Data Processing Center Marine Corps Air Station El Toro	CLOSE
1993	Data Processing Center Naval Air Warfare Center, Weapons Division China Lake	CLOSE
1993	Data Processing Center Naval Air Warfare Center, Weapons Division Point Mugu	CLOSE
1993	Data Processing Center Naval Command Control & Ocean Surveillance Center San Diego	CLOSE
1993	Data Processing Center Navy Regional Data Automation Center San Francisco	CLOSE
1993	Defense Contract Management District West El Segundo	RELOCATE
1993	Defense Distribution Depot Oakland	DISESTAB
1993	Hunters Point Annex to Naval Station Treasure Island (Redirect to dispose of all property in any lawful manner, including outlease)	REDIRECT
1993	March Air Force Base	REALIGN
1993	Mare Island Naval Shipyard	CLOSE
1993	Marine Corps Air Station El Toro	CLOSE
1993	Marine Corps Air Station Tustin (Relocate MCAS Tustin helicopter assets to NAS North Island, NAS Miramar, or MCAS Camp Pendleton)	REDIRECT
1993	Marine Corps Data Processing Center Regional Automated Services Center Camp Pendleton	CLOSE
1993	Marine Corps Logistics Base Barstow	REALIGN
1993	Mather Air Force Base (940th Air Refueling Group redirected from McClellan AFB to Beale AFB)	REDIRECT
1993	Naval Air Station Alameda	CLOSE
1993	Naval Aviation Depot Alameda	CLOSE
1993	Naval Electronics Systems Engineering Center San Diego (Consolidate with Naval Electronics Systems Engineering Center Vallejo into available space in Air Force Plant #19, San Diego, vice new construction)	REDIRECT
1993	Naval Electronics Systems Engineering Center Vallajo (Consolidate with Naval Electronics Systems Center San Diego into available space in Air Force Plant #19, San Diego, vice new construction)	REDIRECT
1993	Naval Hospital Oakland	CLOSE
1993	Naval Station Treasure Island, San Francisco	CLOSE
1993	Naval Weapons Station Seal Beach	REALIGN

CONNECTICUT

1988	Family Housing Ansonia 04	CLOSE
1988	Family Housing East Windsor 08	CLOSE
1988	Family Housing Fairfield 65	CLOSE
1988	Family Housing Manchester 25	CLOSE
1988	Family Housing Middletown 48	CLOSE
1988	Family Housing Milford 17	CLOSE
1988	Family Housing New Britain 74	CLOSE
1988	Family Housing Orange 15	CLOSE
1988	Family Housing Plainville 67	CLOSE
1988	Family Housing Portland 36	CLOSE
1988	Family Housing Westport 73	CLOSE
1988	Family Housing Shelton 74	CLOSE
1991	Naval Underwater Systems Center Detachment New London	REALIGN
1995	Stratford Army Engine Plant	CLOSE

DISTRICT OF COLUMBIA

1991	U.S. Army Institute of Dental Research	DISESTAB
1991	Walter Reed Army Institute of Research (Microwave Bioeffects Research)	REALIGN
1993	Data Processing Center Bureau of Naval Personnel	CLOSE
1993	Data Processing Center Naval Computer & Telecommunications Station	CLOSE
1993	Naval Security Group Command (including Security Group Station and Security Group Detachment) Potomac	REALIGN
1993	Naval Electronic Security Systems Engineering Center	CLOSE
1995	Naval Recruiting Command Washington	REDIRECT
1995	Naval Security Group Detachment Potomac Washington	REDIRECT

FLORIDA

1988	Cape St. George	CLOSE
1988	Naval Reserve Center (Coconut Grove) Miami	CLOSE
1991	MacDill Air Force Base, Tampa	REALIGN
1991	Naval Coastal Systems Center, Panama City	REALIGN
1993	Data Processing Center Naval Air Station Key West	CLOSE
1993	Data Processing Center Naval Air Station Mayport	CLOSE
1993	Data Processing Center Naval Computer & Telecommunications Station, Pensacola	CLOSE
1993	Homestead Air Force Base	REALIGN
1993	MacDill Air Force Base (Airfield to be operated by the Department of Commerce or another federal agency. Joint Communications Support Element stays at MacDill vice relocating to Charleston AFB.)	REDIRECT
1993	Naval Air Station Cecil Field	CLOSE
1993	Naval Aviation Depot Pensacola	CLOSE
1993	Naval Hospital Orlando	CLOSE
1993	Fleet and Industrial Supply Center (Naval Supply Center) Pensacola	DISESTAB
1993	Defense Distribution Depot Pensacola	DISESTAB
1993	Naval Training Center Orlando	CLOSE
1995	Naval Air Station Key West	REALIGN

1993	Navy Data Processing Center Facilities Systems Office, Port Hueneme	CLOSE
1993	Navy Data Processing Center Fleet and Industrial Supply Center, San Diego	CLOSE
1993	Presidio of Monterey Annex	REALIGN
1993	Presidio of San Francisco (6th Army remains at the Presidio of San Francisco, CA instead of moving to Fort Carson, CO)	REDIRECT
1993	Naval Civil Engineering Laboratory, Port Hueneme	CLOSE
1993	Naval Facilities Engineering Command, Western Engineering Field Division, San Bruno	CLOSE
1993	Naval Reserve Center Pacific Grove	CLOSE
1993	Naval Training Center San Diego	CLOSE
1993	Planning, Estimating, Repair, and Alterations Center (Surface) Pacific San Francisco	DISESTAB
1993	Naval Public Works Center San Francisco	DISESTAB
1995	Oakland Army Base	CLOSE
1995	Naval Shipyard Long Beach	CLOSE
1995	McClellan Air Force Base	CLOSE
1995	Ontario International Airport Air Guard Station	CLOSE
1995	Defense Distribution Depot McClellan	DISESTAR
1995	Fort Hunter Liggett	REALIGN
1995	Sierra Army Depot	REALIGN
1995	Onizuka Air Station	REALIGN
1995	Branch U.S. Disciplinary Barracks	CLOSE
1995	East Fort Baker	CLOSE
1995	Rio Vista Army Reserve Center	CLOSE
1995	Fleet and Industrial Supply Center Oakland	CLOSE
1995	Naval Command, Control, and Ocean Surveillance Center, In-Service Engineering West Coast Division San Diego	DISESTAB
1995	Supervisor of Shipbuilding, Conversion, and Repair, USN, Long Beach	DISESTAB
1995	Naval Reserve Center Stockton	CLOSE
1995	Naval Reserve Center Santa Ana	CLOSE
1995	Naval Reserve Center Pomona	CLOSE
1995	Marine Corps Air Station El Toro	REDIRECT
1995	Marine Corps Air Station Tustin	REDIRECT
1995	Naval Air Station Alameda	REDIRECT
1995	Naval Recruiting District San Diego	REDIRECT
1995	Naval Training Center San Diego	REDIRECT
1995	Defense Contract Management District West, El Segundo	REDIRECT

COLORADO

1988	Bennett Army National Guard Facility, Arapahoe County	CLOSE
1988	Pueblo Army Depot	REALIGN
1991	Lowry Air Force Base	CLOSE
1993	Pueblo Army Depot (Redirects supply mission from Defense Distribution Depot Tooele, UT, to new location within the Defense Distribution Depot System.)	REDIRECT
1995	Fitzsimons Army Medical Center	CLOSE
1995	Lowry Air Force Base	REDIRECT

1995	Eglin Air Force Base	REALIGN
1795	Big Coppett Key	CLOSE
1995	Naval Research Laboratory, Underwater Sound Reference Detachment, Orlando	DISESTAB
1995	Naval Air Station Cecil Field	REDIRECT
1995	Naval Aviation Depot Pensacola	REDIRECT
1795	Navy Nuclear Power Propulsion Training Center, Naval Training Center, Orlando	REDIRECT
1795	Naval Training Center Orlando	REDIRECT
1995	Homestead Air Force Base (301st Rescue Squadron)	REDIRECT
1795	Homestead Air Force Base (726th Air Control Squadron)	REDIRECT
1995	MacDill Air Force Base	REDIRECT
1995	Naval Research Laboratory, Underwater Sound Reference Detachment, Orlando	CLOSE:

GEORGIA

1793	Navy Data Processing Center Trident Refit Facility Kings Bay	CLOSE
1973	Naval Reserve Center Macon	CLOSE
1995	Defense Contract Management District South, Marietta	DISESTAB

GUAM

1993	Naval Air Station Agana	CLOSE
1995	Ship Repair Facility	CLOSE
1795	Naval Activities	REALIGN
1995	Fleet and Industrial Supply Center	KEALIGN
1995	Public Works	REALIGN
1995	Naval Air Station Agana	KEDIKECT

HAWAII

1988	Kapalama Military Reservation Phase III	CLOSE
1791	Naval Air Facility Midway Island	REALIGN
1991	Naval Ocean Systems Center Detachment, Kanaohe	CLOSE
1993	Data Processing Center Naval Computer & Telecommunications Area Master Station, EASTPAC, Pearl Harbor	CLOSE
1793	Data Processing Center Naval Supply Center Pearl Harbor	CLOSE
1973	Naval Air Station Barbers Point	CLOSE
1973	Naval Air Facility Midway Island	CLOSE
1975	Naval Air Station Barbers Point	REDIRECT

IOWA

1988	Fort Des Moines	CLOSE
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IDAHO

1991	Mountain Home Air Force Base	REALIGN
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ILLINOIS

1988	Chanute Air Force Base	CLOSE
1988	Fort Sheridan	CLOSE
1988	LJSARC Addison Housing	CLOSE
1788	Worth Family Housing	CLOSE

1991	Aramament, Munitions, and Chemical Command Rock Island Arsenal	REALIGN
1993	Chanute Air Force Base (Metals Technology and Aircraft Structural Maintenance training courses from Chanute AFB to Sheppard AFB redirected to NAS Memphis)	REDIRECT
1993	Defense Contract Management District Northcentral, Chicago	DISESTAB
1993	Naval Air Station Glenview	CLOSE
1993	O'Hare International Airport Air Force Reserve Station	CLOSE
1993	Rock Island Arsenal (AMCCOM remains at Rock Island, IL instead of moving to Redstone Arsenal, AL)	REDIRECT
1995	Savanna Army Depot Activity	CLOSE
1995	Chicago O'Hare International Airport Air Reserve Station	CLOSE

INDIANA

1988	Indiana Army Ammunition Plant	CLOSE
1988	Jefferson Proving Ground	CLOSE
1991	Fort Benjamin Harrison, Indianapolis	CLOSE
1991	Grissom Air Force Base, Peru	CLOSE
1991	Naval Avionics Center, Indianapolis	REALIGN
1991	Naval Weapons Support Center, Crane	REALIGN
1993	Defense Information Technology Service Organization, Indianapolis Information Processing Center	CLOSE
1993	Navy/Marine Corps Reserve Center Fort Wayne	CLOSE
1993	Naval Reserve Center Terre Haute	CLOSE
1995	Naval Air Warfare Center, Aircraft Division, Indianapolis	CLOSE

KANSAS

1993	Readiness Command Region Olathe (Region 18)	CLOSE
1993	Naval Reserve Center Hutchinson	CLOSE
1995	Naval Air Reserve Olathe	CLOSE

KENTUCKY

1988	Lexington-Bluegrass Army Depot	CLOSE
1991	Naval Ordnance Station Louisville	REALIGN
1995	Naval Surface Warfare Center, Crane Division Detachment, Louisville	CLOSE

LOUISIANA

1988	Naval Station Lake Charles	CLOSE
1988	New Orleans Military Ocean Terminal	CLOSE
1991	England Air Force Base	CLOSE
1991	Fort Polk	REALIGN
1993	Data Processing Center Naval Computer & Telecommunications Station, New Orleans	CLOSE
1993	Naval Reserve Center Monroe	CLOSE
1993	Naval Reserve Facility Alexandria	CLOSE
1993	Navy Data Processing Center Enlisted Personnel Management Center New Orleans	CLOSE
1995	Naval Biodynamics Laboratory New Orleans	CLOSE
1995	Naval Reserve Readiness Command New Orleans (Region 10)	CLOSE

MAINE

1991 Loring Air Force Base, Caribou CLOSE
1993 Data Processing Center Naval Air Station Bruriswick CLOSE

MARYLAND

1988 Army Reserve Center Gaithersburg CLOSE
1988 Former NIKE site at Aberdeen Proving Ground CLOSE
1988 Fort Detrick REALIGN
1988 Fort Holabird REALIGN
1988 Fort Meade REALIGN
1988 NIKE Washington-Baltimore CLOSE
1991 U.S. Army Biomedical Research Development
Laboratory, Fort Detrick DISESTAB
1991 David Taylor Research Center Detachment Annapolis REALIGN
1991 Fuze Development and Production (armament and
missile-related) Harry Diamond Laboratories, Adelphi REALIGN
1991 Naval Ordnance Station Indian Head REALIGN
1991 Naval Surface Warfare Center Detachment, White Oak REALIGN
1993 Data Processing Center Naval Air Warfare Center,
Aircraft Division, Patuxent River CLOSE
1993 Naval Electronic Systems Engineering Center St. Inigoes CLOSE
1993 Naval Surface Warfare Center, Dahlgren White Oak
Detachment, White Oak DISESTAB
1993 Navy Radio Transmission Facility Annapolis DISESTAB
1993 Sea Automated Data Systems Activity Indian Head DISESTAB
1995 Fort Ritchie CLOSE
1995 Naval Surface Warfare Center, Dahlgren Division
Detachment, White Oak CLOSE
1995 Fort Meade REALIGN
1995 Concepts Analysis Agency CLOSE
1995 Fort Holabird CLOSE
1995 Publications Distribution Center, Baltimore CLOSE
1995 Naval Medical Research Institute Bethesda CLOSE
1995 Naval Surface Warfare Center, Carderock Division
Detachment, Annapolis CLOSE
1995 Tri-Service Project Reliance, Army Bio-Medical
Research Laboratory, Fort Detrick REDIRECT
1995 Investigations Control and Autoination
Directorate. Fort Holabird RELOCATE

MASSACHUSETTS

1988 Family Housing Bedford 85 CLOSE
1988 Family Housing Beverly 15 CLOSE
1988 Family Housing Burlington 84 CLOSE
1988 Family Housing Hull 36 CLOSE
1988 Family Housing Nahant 17 CLOSE
1988 Family Housing Randolph 55 CLOSE
1988 Family Housing Swansea 29 CLOSE
1988 Family Housing Topsfield 05 CLOSE
1988 Family Housing Wakefield 03 CLOSE
1988 Fort Devens REALIGN
1988 Army Materials Technology Laboratory, Watertown CLOSE
1991 Army Materials Technology Laboratory, Watertown REDIRECT

1991	Fort Devens	CLOSE
1991	Naval Undersea Warfare Engineering Station Keyport	REALIGN
1993	Naval Reserve Center Chicopee	CLOSE
1993	Naval Reserve Center New Bedford	CLOSE
1993	Naval Reserve Center Pittsfield	CLOSE
1993	Naval Reserve Center Quincy	CLOSE
1993	Navy/Marine Corps Reserve Center Lawrence	CLOSE
1995	Naval Air Station South Weymouth	CLOSE
1995	Hingham Cohasset	CLOSE
1995	Sudbury Training Annex	CLOSE

MICHIGAN

1988	Pontiac Storage Facility	CLOSE
1991	Ground Vehicle Propulsion Basic and Applied Research, Warren	REALIGN
1991	Wurtsmith Air Force Base	CLOSE
1993	Naval Air Facility Detroit	CLOSE
1993	Defense Logistics Agency Information Processing Center, Battle Creek	CLOSE
1993	K.I. Sawyer Air Force Base	CLOSE
1995	Detroit Arsenal	REALIGN
1995	Naval Reserve Center Cadillac	CLOSE
1995	Naval Air Facility Detroit	REDIRECT

MISSOURI

1988	NIKE Kansas City 30	CLOSE
1988	St. Louis Area Support Center Wherry Housing	CLOSE
1991	Aviation Systems Command and Troop Command Support, St. Louis	REALIGN
1991	Richard-Gebaur Air Reserve Station	CLOSE
1993	Defense Information Technology Service Organization, Kansas City Information Processing Center	CLOSE
1993	Naval Reserve Center Joplin	CLOSE
1993	Naval Reserve Center St. Joseph	CLOSE
1995	Aviation-Troop Support Command	DISESTAB

MONTANA

1993	Naval Reserve Center Great Falls	CLOSE
1993	Naval Reserve Center Missoula	CLOSE
1995	Malmstrom Air Force Base	REALIGN
1995	Fort Missoula	CLOSURE

NEW HAMPSHIRE

1988	Pease Air Force Base	CLOSE
1993	Submarine Maintenance, Engineering, Planning, and Procurement Portsmouth	DISESTAB

NEW JERSEY

1988	Fort Dix	REALIGN
1988	Fort Monmouth	REALIGN
1988	NIKE NY 54 Housing	CLOSE

1988	NIKE NY 60 Housing	CLOSE
1988	NIKE NY 79/80 Housing	CLOSE
1988	NIKE NY 73/94	CLOSE
1988	NIKE Philadelphia 41/43	CLOSE
1991	Electronic Technology Device Laboratory, Fort Monmouth	REALIGN
1991	Fort Dix	REALIGN
1991	Naval Air Engineering Center, Lakehurst	REALIGN
1991	Naval Air Propulsion Center, Trenton	REALIGN
1993	Fort Monmouth	REALIGN
1993	Naval Reserve Center Atlantic City	CLOSE
1993	Naval Reserve Center Perth Amboy	CLOSE
1993	Naval Air Warfare Center - Aircraft Division, Trenton	CLOSE
1995	Bayonne Military Ocean Terminal	CLOSE
1995	Fort Dix	REALIGN
1995	Camp Kilmer	CLOSE
1995	Camp Pedricktown	CLOSE

NEW MEXICO

1988	Fort Wingate Ammunition Storage Depot	CLOSE
1991	Battlefield Environmental Effects Element of the Atmospheric Science Laboratory, White Sands Missile Range	REALIGN
1991	Naval Weapons Evaluation Facility Albuquerque	CLOSE
1993	Naval Weapons Evaluation Facility Albuquerque (retain as a tenant of the Air Force)	REDIRECT

NEWYORK

1988	Dry Hill Family Housing	CLOSE
1988	Manhattan Beach Housing	CLOSE
1988	Naval Station New York (Brooklyn)	CLOSE
1988	NIKE NY 01 Housing	CLOSE
1988	NIKE NY 25 Housing	CLOSE
1988	NIKE NY 99 Housing	CLOSE
1993	Griffiss Air Force Base	REALIGN
1993	Naval Reserve Center Jamestown	CLOSE
1993	Naval Reserve Center Poughkeepsie	CLOSE
1993	Naval Station Staten Island	CLOSE
1993	Plattsburgh Air Force Base	CLOSE
1993	Readiness Command Region Scotia (Region 2)	CLOSE
1993	Department of Defense Family Housing and Family Housing Office, Niagara Falls	CLOSE
1995	Seneca Army Depot	CLOSE
1995	Roslyn Air Guard Station	CLOSE
1995	Griffiss Air Force Base (Airfield Support for 10th Infantry [Light] Division)	REDIRECT
1995	Griffiss Air Force Base (485th Engineering Installation Group)	REDIRECT
1995	Bellmore Logistics Activity	CLOSE
1995	Fort Totten	CLOSE
1995	Naval Reserve Center Staten Island	CLOSE
1995	Real-Time Digitally Controlled Analyzer Processor Activity, Buffalo	CLOSE

NORTH CAROLINA

1993	Data Processing Center Marine Corps Air Station Cherry Point	CLOSE
1993	Marine Corps Data Processing Center Regional Automated Services Center Camp Lejeune	CLOSE
1995	Recreation Center #2, Fayetteville	CLOSE

NORTH DAKOTA

1995	Grand Forks Air Force Base	REALIGN
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OHIO

1991	Rickenbacker Air National Guard Base	CLOSE
1993	Defense Information Technology Service Organization, Columbus Annex Dayton	CLOSE
1993	Defense Information Technology Services Organization, Cleveland	CLOSE
1993	Gentile Air Force Station (Defense Electronics Supply Center), Dayton	CLOSE
1993	Newark Air Force Base	CLOSE
1993	Readiness Command Region Ravenna (Region 5)	CLOSE
1993	Rickenbacker Air National Guard Base (Retain 121st Air Refueling Wing and the 160th Air Refueling Group in a cantonment area at Rickenbacker ANGB instead of Wright-Patterson AFB, OH, and operate as tenants of the Rickenbacker Port Authority [RPA] on the RPA's airport)	REDIRECT
1995	Defense Contract Management Command International, Dayton	REALIGN
1995	Defense Distribution Depot Columbus	REALIGN

OREGON

1988	Umatilla Army Depot	REALIGN
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PENNSYLVANIA

1988	Coraopolis Family Housing Site 71	CLOSE
1988	Coraopolis Family Housing Site 72	CLOSE
1988	Irwin Support Detachment Annex	CLOSE
1988	Naval Hospital Philadelphia	CLOSE
1988	Pitt 02 Family Housing	CLOSE
1988	Pitt 03 Family Housing	CLOSE
1988	Pitt 25 Family Housing	CLOSE
1988	Pitt 37 Family Housing	CLOSE
1988	Pitt 42 Family Housing	CLOSE
1988	Pitt 43 Family Housing	CLOSE
1988	Pitt 52 Family Housing	CLOSE
1988	Tacony Warehouse	CLOSE
1991	Letterkenny Army Depot	REALIGN
1991	Naval Air Development Center Warminster	REALIGN
1991	Naval Station Philadelphia	CLOSE
1991	Philadelphia Naval Shipyard	CLOSE

1993	Defense Personnel Support Center, Philadelphia	RELOCATE
1993	Defense Contract Management District Midatlantic, Philadelphia	DISESTAB
1993	Defense Logistics Agency Clothing Factory, Philadelphia	CLOSE
1993	Defense Logistics Agency Information Processing Center, Philadelphia	CLOSE
1993	Naval/Marine Corps Air Facility (Joint Aviation Facility) Johnstown	CLOSE
1993	Letterkenny Army Depot (Systems Integration Management Activity-East remains at Letterkenny Army Depot vice Rock Island, IL)	KEDIRECT
1993	Naval Reserve Center Altoona	CLOSE
1993	Navy Data Processing Center Aviation Supply Office, Philadelphia	CLOSE
1993	Planning, Estimating, Repair, and Alterations Center (Surface) Atlantic (HQ), Philadelphia	CLOSE
1995	Fort Indiantown Gap	CLOSE
1995	Charles E. Kelly Support Center	REALIGN
1995	Letterkenny Army Depot	CLOSE
1995	Defense Distribution Depot Letterkenny	DISESTAB
1995	Defense Industrial Supply Center Philadelphia	DISESTAB
1995	Naval Shipyard, Norfolk Detachment, Philadelphia	KEDIRECT
1995	Naval Aviation Engineering Support Unit Philadelphia	CLOSE
1995	Naval Air Technical Services Facility Philadelphia	CLOSE
1995	Naval Air Warfare Center, Aircraft Division, Open Water Test Facility, Oreland	CLOSE
1995	Naval Command, Control, and Ocean Surveillance RDT&E Division Detachment, Warminster	CLOSE
1995	Naval Air Warfare Center, Aircraft Division, Warminster	CLOSE
PUERTO RICO		
1995	Fort Buchanan	REALIGN
RHODE ISLAND		
1988	Family Housing Davisville	CLOSE
1988	Family Housing North Smithfield 99	CLOSE
1991	Construction Battalion Center Davisville	CLOSE
1991	Trident Command and Control Systems Maintenance Activity, Newport	REALIGN
1993	Naval Education and Training Center, Newport	REALIGN
SOUTH CAROLINA		
1991	Myrtle Beach Air Force Base, Myrtle Beach	CLOSE
1993	Charleston Naval Shipyard	CLOSE
1993	Data Processing Center Naval Supply Center, Charleston	CLOSE
1993	Defense Distribution Depot Charleston	DISESTAB
1993	Naval Station Charleston	CLOSE
1993	Fleet and Industrial Supply Center (Naval Supply Center) Charleston	DISESTAB
1995	Naval Reserve Readiness Command Charleston	CLOSE
1995	Fleet and Industrial Supply Center Charleston	CLOSE

TENNESSEE

1993	Naval Air Station Memphis	REALIGN
1993	Naval Reserve Center Kingsport	CLOSE
1993	Naval Reserve Center Memphis	CLOSE
1995	Defense Distribution Depot Memphis	CLOSE

TEXAS

1988	Fort Bliss	REALIGN
1988	Naval Station Galveston	CLOSE
1991	Bergstrom Air Force Base	CLOSE
1991	Carswell Air Force Base	CLOSE
1991	Goodfellow Air Force Base	REALIGN
1991	Naval Air Station Chase Field	CLOSE
1993	Air Force Data Processing Center Computer Service Center, San Antonio	CLOSE
1993	Carswell Air Force Base (Fabrication function of the 436th Training Squadron redirected from Dyess AFB to Luke AFB; maintenance training function redirected from Dyess AFB to Hill AFB)	REDIRECT
1993	Data Processing Center Air Force Military Personnel Center, Randolph AFB	CLOSE
1993	Data Processing Center Navy Data Automation Facility, Corpus Christi	CLOSE
1993	Naval Air Station Dallas	CLOSE
1993	Naval Reserve Facility Midland	CLOSE
1993	Navy/Marine Corps Reserve Center Abilene	CLOSE
1973	Red River Army Depot	REALIGN
1995	Naval Reserve Center Laredo	CLOSE
1995	Bergstrom Air Reserve Base	CLOSE
1995	Reese Air Force Base	CLOSE
1995	Kelly Air Force Base	REALIGN
1995	Defense Distribution Depot San Antonio	DISESTAB
1995	Red River Army Depot	REALIGN
1995	Naval Air Station Corpus Christi	REALIGN

UTAH

1988	Fort Douglas	CLOSE
1993	Defense Distribution Depot Tooele	DISESTAB
1993	Defense Logistics Agency Information Processing Center, Ogden	CLOSE
1993	Naval Reserve Center Ogden	CLOSE
1993	Tooele Army Depot	REALIGN
1995	Hill Air Force Base (Utah Training and Test Range)	REALIGN
1995	Defense Distribution Depot Ogden	CLOSE

VIRGINIA

1788	Cameron Station	CLOSE
1988	Defense Mapping Agency (DMA) site, Herndon	CLOSE
1988	Manassas Family Housing	CLOSE
1988	NIKE Norfolk 85 Housing	CLOSE
1988	Woodbridge Housing Site	CLOSE
1991	Army Research Institute, Alexandria	REALIGN

1993	International Programs Office (Navy)	REALIGN
1993	Combined Civilian Personnel Office (Navy)	REALIGN
1993	Navy Regional Contracting Center	REALIGN
1993	Naval Criminal Investigative Service	REALIGN
1993	Naval Audit Agency	REALIGN
1993	Strategic Systems Programs Office (Navy)	REALIGN
1993	Office of Naval Research	REALIGN
1993	Office of the Deputy Chief of Staff (Installations & Logistics), U.S. Marine Corps	REALIGN
1993	Office of the Deputy Chief of Staff (Manpower & Reserve Affairs), U.S. Marine Corps	REALIGN
1993	Marine Corps Systems Command (Clarendon Office)	REALIGN
1995	Fort Pickett	CLOSE
1995	Naval Command, Control, and Ocean Surveillance Center, In-Service Engineering East Coast Detachment, Norfolk	CLOSE
1995	Naval Information Systems Management Center, Arlington	REALIGN
1995	Naval Management Systems Support Office, Chesapeake	DISESTAB
1995	Fort Lee	REALIGN
1995	Information Systems Software Center (ISSC)	CLOSE

WASHINGTON

1988	Midway Housing Site	CLOSE
1988	Naval Station Puget Sound (Sand Point)	CLOSE
1988	Youngs Lake Housing Site	CLOSE
1991	Naval Station Puget Sound (Sand Point)	CLOSE
1991	Naval Undersea Warfare Engineering Station Keyport	REALIGN
1993	Data Processing Center Naval Air Station Whidbey Island	CLOSE
1993	Data Processing Center Naval Supply Center Puget Sound	CLOSE
1993	Navy Data Processing Center Trident Refit Facility Bangor	CLOSE
1993	Planning, Estimating, Repair, and Alterations Center (CV), Bremerton	DISESTAB
1995	Naval Undersea Warfare Center Keyport	REALIGN
1995	Camp Bonneville	CLOSE
1995	Naval Sea Systems Command, Arlington	REDIRECT
1995	Office of Naval Research	REDIRECT
1995	Space and Naval Warfare Systems Command, Arlington	REDIRECT

WISCONSIN

1988	Sun Prairie Family Housing	CLOSE
1995	Naval Reserve Center Sheboygan	CLOSE

WEST VIRGINIA

1993	Naval Air Facility Martinsburg	CLOSE
1993	Naval Reserve Center Parkersburg	CLOSE

OTHER CLOSURES AND REALIGNMENTS

1991	Amy Corps of Engineers	REALIGN
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others advocating for them can convince the independent Base Realignment and Closure (**BRAC**) commission they should be removed.

That won't be easy.

In the previous four **BRAC** rounds that began in 1988, about 90 percent of the Pentagon's recommendations were enacted, including the closure of 97 major bases.

And the rules for the new commission will make changes even more difficult.

The commission is supposed to make its decisions free of political considerations, although politics could creep into the process. The commission will consider the economic and environmental impact of potential closures, but the top criterion is supposed to be national security.

The nine-member, president-appointed commission is the only player in the **BRAC** process that can alter the list. Congress and the president can only accept or reject it in its entirety.

The commission will spend the summer analyzing the Pentagon list, holding public hearings in or near base communities and making changes to the list where it deems appropriate. The list must be submitted to the president for approval by Sept. 8.

Starting Monday, the commission is scheduled to begin a week of hearings on Capitol Hill to question top Pentagon officials about how the list was assembled.

Brevard relieved as Patrick skirts closure

Florida Today
Matt Reed
May 14, 2005

Realignment may send Navy Trident station packing from port in 2008

Word spread fast in a county where the military is part of the culture as much as the economy: Patrick Air Force Base and the 45th Space Wing were spared from the Pentagon's closure list released Friday morning.

Technically, Patrick will be "realigned," losing 136 military and 59 civil-servant jobs -- about 1.5 percent of Brevard County's military workforce -- if Congress and the president approve the base recommendations this fall. The Pentagon wants to move the Naval Ordnance Test Unit, which hosts submarines at Port Canaveral.

The government job losses probably won't affect local businesses or home values, said Lynda Weatherman, president and CEO of the Economic Development Commission of Florida's Space Coast. The losses are modest and typical of moves the military makes occasionally to update its forces, she said.

"I don't think you'll see an impact at all," she said.

It's too soon to know how the Navy unit's departure may affect hundreds of private-sector engineers who support it.

But Patrick's role in launching satellites upholds the military strategy of dominating the "global commons" -- air, sea and space. And that helped insulate the barrier-island facility from further cuts or closing, officials said.

The news about Patrick spread quickly by word-of-mouth Friday at hair salons, pharmacies and bait shops. In a

year of shaky markets, go-go condo development and unease about the next hurricane season, Friday's base announcement provided some constancy and comfort.

More than 12,000 base workers will continue to shop at small beachside businesses. Military families will stay at schools and churches, where they've made friends in Brevard. And miles of scrubby, barely-developed beach along State Road A1A will remain that way for now.

Moses Harvin, whose company provides maintenance services at Patrick, said his base contract accounts for one out of five dollars he earns. American Services Technology today has about 15 employees working there.

"I just couldn't fathom losing that type of revenue if the base had closed," said Harvin, a former Army officer and Ranger. "The base is such a great springboard for small businesses such as ours, to get into the marketplace."

Overall, Florida is expected to lose two facilities but experience growth at Eglin Air Force Base on the Panhandle and the Naval Air Station in Jacksonville. The state will gain 2,757 military and civilian jobs.

Proposed closures include a 209-person accounting center in Orlando and a 12-person Navy reserve center in St. Petersburg.

Secretary of Defense Donald Rumsfeld's recommendations now go to the Base Realignment and Closure Commission, which will hold public hearings and decide whether to drop any targeted bases from the list. The commission must send its list to Congress by Sept. 23. Congress can OK or reject the list, but can't make changes. President Bush then faces the decision: He must rule by Nov. 7, or the process dies and everything stays open.

The rules make it all but impossible for the commission to add bases to the closure list.

"It's hard to express the relief and the joy," Rep. Thad Altman, R-Melbourne, said Friday. "The military is part of our culture in Brevard County, and it would have been a great loss."

Navy move's impact

The Naval Ordnance Test Unit is scheduled to move to Kings Bay, Ga., after 2008. It supports missile testing on Trident submarines and also has launched ballistic missiles from Cape Canaveral Air Force Station.

Although the Pentagon's closure list shows no more than 195 jobs leaving Brevard with the unit, the move also could affect private-sector engineers who do contract work for it, said Capt. Jeffrey Gernand, the commanding officer.

Most of those engineers, 400 of them, work for Lockheed Martin. The future of those jobs would be up to their employer.

Lockheed Martin spokeswoman Julie Andrews said the company's workers will continue on as planned, including those on the Navy's Trident D-5 nuclear missile program, the so-called "Center for Excellence" announced in February.

"This is only the first step, so we will continue to monitor the process," Andrews said. "We can't speculate on what's going to happen."

Gernand said he spoke to the people under his command after the announcement and described their reaction as "a little bit of surprise, but 100 percent professional."

Meanwhile, officials at Port Canaveral are concerned because the federal government helps dredge and clear the port's channel for military ships and submarines. On the other hand, if the submarine base at the Cape closes, the port could benefit by adding another basin for cruise and cargo ships, said Stan Payne, the port authority's chief executive officer.

An intense wait



PATRICK AIR FORCE BASE FLORIDA

National News Articles

Local News Articles

Air Force Base Could Lose 195 Positions Under Base Realignment

Brevard Relieved as Patrick Skirts Closure

Florida Escapes Worst of Proposed Base Cuts

Base Closings Would Wring Florida's Wallet

Regardless of Expectations, Most People Welcome News

Transfer of Workers to Cape Unfeasible

Live Reports from Patrick, Community

Opinion/Editorial Articles

Just too Valuable

National News Articles

Local News Articles

Air Force Base could lose 195 positions under base realignment

Gannet News Service

RAJU CHEBIUM

May 13, 2005

WASHINGTON -- The Pentagon said Friday it wants to restructure **Patrick** Air Force Base, which would cost the facility 195 jobs.

Patrick would lose 136 military employees and 59 civilian positions, according to Defense Department documents.

The base is one of 13 Florida military installations that the Pentagon wants to close or realign. "Today is the day that many of us on Florida's Space Coast had been working and preparing for since 2000," Rep. Dave Weldon, R-Fla., said in a statement. "Although there will be some minor realignment at **Patrick** ... I am pleased that the news is not what many had feared. PAFB will continue to play a fundamental role in serving the national security interests of our nation. I'm also confident that over the upcoming years, **Patrick** will continue to strengthen its important and crucial role in meeting our nation's space needs."

The Pentagon wants to close bases not merely to save money, but more importantly, to modernize the military to fight terrorism and other new threats.

But base closures often send economic shock waves through local communities, especially rural towns where there is little other large industry to rehire laid-off civilian workers.

Most of the installations on the Pentagon's list will stay there unless the lawmakers, lobbyists and

Like everyone else in the country, Patrick Air Force Base leaders had to wait until Friday for word on the base's fate.

"I didn't know what to expect," said Col. Mark Owen, commander of the 45th Space Wing. A committee of Brevard County business and civic leaders had lobbied for months to ensure Patrick wasn't touched. And on Friday, about two-dozen local politicians, volunteers and business leaders gathered at the Economic Development Commission's office in Rockledge to hear the news.

About 9:15 a.m., more than an hour before Rumsfeld's national press conference, the Pentagon released its list to members of Congress. Word came to the EDC by way of a phone call and fax from Rep. Dave Weldon's office.

Guests erupted in applause and tossed confetti when they heard the base would remain open. "It's been intense," said Randy Harris, a general manager for Mead Construction who volunteered to chair the lobbying group. "It contributes to the overall prosperity of the community, so it benefits us all."

Florida escapes worst of proposed base cuts

The Orlando Sentinel

Christopher Boyd

May 14, 2005

Orlando would lose more than 200 jobs as part of a Pentagon proposal that brings sweeping change to the nation's network of military bases and facilities.

But Florida escaped most of the proposed cuts and would gain jobs if Congress ultimately accepts the plan, which was released Friday.

The state would keep its 21 major bases and would lose just two small military operations, one of which is in Orlando. The Defense Finance and Accounting Service center, located adjacent to Baldwin Park, employs 200 civilians and nine military personnel.

The long-awaited proposal wouldn't impact Central Florida's key military asset -- a cluster of commands that buy simulation and training equipment for the armed forces. The region's simulation commands are considered by local leaders to be critical to the area's growing high-tech sector.

With none of the state's military bases facing closure, Florida actually will gain 3,798 military positions, while losing 1,002 civilian posts, in the most significant military reorganization in more than a decade.

The Defense Department recommends closing 33 major facilities in 22 states.

Florida waged a long campaign of its own to convince military planners that the state's 21 key bases and centers were too important to close. As it stands, several Florida bases are slated to pick up pieces shed from other base closings across the country.

Florida Gov. Jeb Bush said he was "absolutely delighted" with the outcome. He said the decision to keep the simulation commands in Central Florida would likely mean expansion as the

Pentagon increasingly relies on high-tech training systems to prepare troops.

Bush hired a well-connected team of consultants, including former House Majority Leader Dick Armey and former Defense Secretary William Cohen, to convince the Defense Department to preserve the state's bases. The state received its wish Friday.

Under the proposal, which goes to a nine-member Base Realignment and Closure (BRAC) Commission for review, Florida's bases would have a net gain of more than 2,700 personnel. The commission must report to President Bush by Sept. 8.

Aside from the Orlando accounting center, Florida will lose the Navy Reserve Center in St. Petersburg, where there are 12 military workers.

Ironically, the accounting center was awarded to Orlando in the 1990s after a previous round of base closings claimed the Naval Training Center. The center would be consolidated with other operations.

"It is hard to argue with the logic of what they did here," said U.S. Rep. Tom Feeney, R-Oviedo. "They took 23 similar offices around the country and consolidated them. Today wasn't a grand slam for Florida, but it was a major victory."

Nevertheless, some workers at the center were disappointed, if not surprised.

"We already knew it was coming," said Annie Charles, an accounting technician who has worked at the finance center since it opened in 1995. "We are hopeful that things will change. At this point, it's only a recommendation and things could change."

Gov. Bush and other leaders focused on the larger picture, with the state faring much better than many others.

The biggest gainers were Eglin Air Force Base, gaining 2,140 military jobs, and the Naval Air Station in Jacksonville, with an added 1,902 military jobs. The biggest loser would be the Naval Air Station in Pensacola, losing 1,180 civilian and 302 military jobs.

Communities throughout the state mounted homegrown campaigns to protect their local installations. Central Florida focused on the simulation commands, which include the Army's PEO STRI and the Navy's NAVAIR. The commands procure training equipment and are responsible for nurturing a growing cluster of businesses near the commands' headquarters in east Orange.

William J. Patton, senior vice president of DEI Services Corp. in Winter Park, says his company has grown rapidly producing training simulators. He eagerly awaited the proposed BRAC list Friday.

"It's a good thing for us -- about 30 percent of our business is from the Navy and the Army," Patton said. "It's a great thing for the local economy."

Orange County Mayor Rich Crotty, who is promoting an agenda to expand the county's technology sector, said he was very pleased.

"It's huge news," Crotty said. He said a major realignment that would have moved the simulation

commands elsewhere "would have been very bad."

U.S. Sen. Mel Martinez credited Gov. Bush with waging a successful campaign to save the state's bases. He said he thought the campaign, rather than the fact that Bush is the president's brother, protected the bases.

"I think his success is more due to good preparation, good hard work, good coordination . . . rather than any family connection," Martinez said.

Other communities also waged campaigns and were pleased with the outcome. **Patrick Air Force Base** in Brevard County, which was sometimes mentioned as a possible target, would lose fewer than 200 jobs.

"Our strategy to preserve our military installations was right on," said Lynda L. Weatherman, president of the Economic Development Commission of Florida's Space Coast. She said the effort to protect Patrick began in 2000.

Russ Hauck, executive director of the National Center for Simulation in Orlando, said the BRAC list offered a good outcome for Orlando and the state.

"It's an outcome we have been working toward for two years," Hauck said. "We don't see any significant changes coming. Our impression is that if you are on the list, it is difficult to get off, but if you aren't on it, it is difficult to get on."

Base closings would wring Florida's wallet

Orlando Sentinel

Christopher Boyd

May 11, 2005

Orlando and communities across the country are once again sweating bullets over the future of their local military installations.

The federal government is about to embark on what could be a major slashing of the military's 425 bases, with the Pentagon expected to recommend Friday which ones should be closed. The move could trim as much as 25 percent of the armed forces' capacity.

Central Florida, which lost the Orlando Naval Training Center during a round of 1993 cuts, has something to protect: a simulation center that employs about 1,500 military and civilian personnel and buys a host of locally made high-tech hardware.

The Central Florida Research Park seems an unlikely setting for one of the region's most important military assets. Its manicured lawns, smartly designed office buildings and lazily curving streets offer hardly a hint that the park plays a major role in the Pentagon's effort to push the armed forces toward a high-tech future.

Based there are the Orlando Simulation Commands -- the Army's PEO STRI and Navy's Nav-Air -- that buy high-tech training equipment from an assortment of suppliers, many of which have

operations in Central Florida primarily to be close to their customers.

It is a thriving relationship that could collapse if nine members of a newly appointed commission decide the Pentagon could save money by moving those operations elsewhere. The commission will review the recommendations and send a report to President Bush by Sept. 8. Statewide, military operations contribute about \$44 billion a year to the economy, making it the most important money generator after tourism and agriculture. Defense-related spending accounts for 714,500 Florida jobs, 138,000 directly funded by the military, according to the state.

To protect that engine, Florida is fighting an all-out campaign.

Gov. Jeb Bush retained a well-connected team of consultants at \$50,000 a month to convince Pentagon planners that each of the state's 21 military installations is too valuable to close. The team includes former House Majority Leader Dick Armey and former Defense Secretary William Cohen.

Communities with bases have mounted campaigns of their own. For example, The Coast Defense Alliance, a Brevard County coalition, has campaigned to protect **Patrick Air Force Base**.

"We feel good about what Florida has done to this point to prepare itself," said Pamela Dana, director of the Governor's Office of Tourism, Trade and Economic Development, the agency coordinating the effort.

But Dana said even the state's well-planned effort offers no guarantees: "I don't think any installation can look at itself as being safe."

So far, little is known about which bases might be in jeopardy. The Defense Department has imposed complete silence on its review, which seeks cuts offering strategic and economic benefits for the military.

The Base Realignment and Closure Commission, or BRAC, will review the suggestions and recommend changes. It is to be the final round of cuts, which began in 1988 and have accounted for more than \$30 billion in savings.

The Orlando Naval Training Center was a casualty of an earlier BRAC decision. The decision to combine the center with a similar base in Illinois cost Central Florida 6,500 military and civilian jobs with a payroll of \$240 million.

The decommissioned center has since been demolished and replaced by Baldwin Park, a sprawling commercial and residential development with high-end condominiums and homes.

In this latest round, Defense Department planners are expected to favor bases that enable military branches to train together and share operations. Though the military has simulation centers in other states, none is as extensive as Orlando's, where all the major branches of the military cooperate on projects.

"I think this BRAC will be the most important thing the Defense Department does in 2005. It will define the future of the military for the next 20 years," said Kenneth Beeks, vice president for policy with the Business Executives for National Security in Washington, D.C.

Though the process is supposedly removed from politics, state and local governments have been

preparing for years.

A consortium of Orlando civic and business leaders -- including Orange County Mayor Rich Crotty, the Metro Orlando Economic Development Commission, the University of Central Florida and representatives from the simulation industry -- have studied the process and formulated defenses for the simulation commands.

"I think that this community was extremely well-versed in what is going on," said Herb Smetheram, a consultant with ZHA, an Orlando real-estate development company that has worked on the base-closing issue. "It put together a strong argument why the Orlando facilities shouldn't be on the list."

The region's modeling, simulation and training industry is large. In a 2003 report, the National Center for Simulation estimated the field employs nearly 6,000 workers, earning \$425 million annually, in metropolitan Orlando.

Supporters argue that the simulation operations are key to an evolving military that demands high-tech training.

Crotty recently traveled to Virginia to lobby Navy officials.

"I'm optimistic that we have come a long way during the last year," Crotty said. "I'm optimistic that we not only won't be on the list but that the operations here might be expanded."

Crotty said a decision to move the simulation commands elsewhere would be traumatic, but not fatal, to the region's technology sector.

"If the question is whether the whole industry would cave in like a house of cards, well, I don't think it would," Crotty said. "Would it have a negative impact on Orange County? I think so. Very definitely."

Indeed, companies that rely on Pentagon contracts are dreading what might happen if area installations close or move.

Greg Goebel, spokesman for Raydon Corp., a Daytona Beach simulation-equipment maker, said his company finds its relative close proximity to PEO STRI advantageous.

"The large companies that have satellite offices in Orlando would be affected if something happened to PEO STRI, and some might leave," Goebel said.

Though the Pentagon insists it won't be swayed by local arguments, it hasn't stopped politicians from trying.

Last week, U.S. Rep. Tom Feeney, R-Oviedo, escorted U.S. Sen. John McCain, R-Ariz., to visit Orlando simulation companies and address a town meeting at UCF.

"I'm optimistic and hopeful," Feeney said. "But since this process is done in secret, there is really no guarantee of the outcome."

He fears the relatively small commands could be shuffled elsewhere in a consolidation.

"We are trying to convince people that there is much more here than they might think," Feeney said. "You have academics here at the University of Central Florida. You have commercial folks here. There is so much brain power that can't be replicated in another location."

Sen. Bill Nelson, D-Fla., said he doubts the BRAC panel, with its focus on full-fledged bases, will even consider the simulation commands. And he said **Patrick Air Force Base** in Brevard County -- Central Florida's other military installation -- is probably also relatively immune from closure.

"As far as Patrick goes, you simply need support facilities for Kennedy Space Center," Nelson said. "We have added military construction dollars for a new security operations center at Patrick. I think we're OK there, in Orlando and in the rest of the state, too."

Regardless of expectations, most people welcome news

Orlando Sentinel

R. NORMAN MOODY and J.D. GALLOP

May 14, 2005

Like many people who live and work near Patrick Air Force Base, Ken Mayer never really thought the base would be shuttered.

But when the list of bases to be closed or realigned came out Friday morning -- and it was clear that Brevard County was only losing one relatively small unit -- Mayer exhaled a sigh of relief. "We dodged the bullet," said Mayer, retired from the Navy. "I was relieved. It could have been a bad thing."

His relief was shared by many in the area near Patrick.

Two of the four customers in styling chairs at Anthony's Hair and Company on South Patrick Drive were retired military -- a testament to the base's economic influence on nearby communities.

The conversation Friday morning was, naturally, about the base.

"Base people bring us business," said shop owner Anthony Balbo. "They are important to us." Retired Lt. Col. Joan Manns admitted she didn't know what to expect before the announcement. "I'm very happy it will stay open," she said. "I use the BX, the commissary and the pharmacy." Manns, of Satellite Beach, is among the more than 18,000 retired military who live in Brevard County and use services available on the base. She was stationed at Patrick in 1972 and married her since-deceased husband at the base chapel.

Larry Guarino, a retired Air Force colonel who was a prisoner of war in Vietnam, never lost his optimism as discussion about Patrick's future swirled in advance of Friday's announcement.

"They need it for whatever happens in the Caribbean," he said, adding: "The generals like to come down here."

Meanwhile, at the Beach Shack Bar and Grille in Cocoa Beach, TVs were tuned to news reports of Defense Secretary Donald Rumsfeld's press conference announcing his base list. The mood was upbeat as Patrick's fate became clear.

"I'm just glad Patrick is not going to be closed," said patron Dave Hassett. "It would devastate the economy and turn it into a ghost town."

As it now stands, the only local unit affected by Friday's announcement is the Naval Ordnance Test Unit at Cape Canaveral Air Force Station.

The unit, which has about 200 military and civilian employees, supports Trident submarine missile testing. It will move to a naval base in Georgia.
Because of this news, however, the mood was less than upbeat at Sailor's Choice Bar and Grill at Port Canaveral, a few miles from the Naval unit's headquarters.
"It would take a great deal from our business," said bartender Michelle Keables, who has worked at the bar for 15 years. "If 200 people on this side of the port lose their jobs, it impacts us. Those are potential customers."

PAFB stands to lose Navy submarine unit

Florida Today
John McCarthy
June 2, 2005

The 200 or so jobs that Patrick Air Force Base may lose if the Pentagon's base closing recommendation is accepted will come from a small Navy unit at Port Canaveral, according to the base's public affairs office.

The Naval Ordnance Test Unit supports Trident submarines missile testing. In the past, the Navy has launched new or upgraded submarine-launched ballistic missiles from Cape Canaveral Air Force Station, though it has been some time since it has done so.

Nuclear-powered Trident submarines also visit the port when doing testing involving the Eastern Test Range. British submarines also do testing at the facility.

NOTU officials couldn't immediately be reached for comment this morning.

Former NOTU commander John Byron of Cocoa Beach said he wasn't necessarily surprised by the move.

Trident program officials have been looking for ways to cut costs, he said.

Byron expected that the NOTU mission would be absorbed by the Navy's submarine base at Kings Bay, Ga.

"Support can easily come from Kings Bay," he said.

It was unclear whether the Navy would continue to use its facilities for a port of call for submarines.

Transfer of Workers to Cape Unfeasible

Florida Today
R. Norman Moody

Whenever the Pentagon reassesses the need for all its bases, someone invariably raises the question about moving the space-support operations at Patrick Air Force Base to Cape Canaveral Air Station.

The answer: Not without putting a lot of people's lives at risk.

In 1997 when the future of Patrick was under consideration in, Brig. Gen. Randall Starbuck, then the base commander, suggested looking at moving the 45th Space Wing headquarters and its launch squadrons to the nearby air station. The station is the site for rocket launches. He proposed turning the base into an Air Force Reserve Command base.

A study was done in 1998 by the 45th Space Wing Safety Office found that such a move would be too dangerous to military and civilian workers at the Cape during launches.

There aren't enough safe areas at the Cape to accommodate more people should a rocket explode during liftoff, the report said.

Personnel overseeing the Jan. 17, 1997, Delta rocket launch know this all too well.

The rocket exploded 13 seconds after liftoff, destroying a military navigation satellite and raining down fiery debris on buildings and vehicles. No one was injured, but workers were sent scrambling for cover.

If additional personnel moved from Patrick to the Cape, they'd have to be evacuated every time there was a launch, said Louis Ullian, who was deputy chief of range safety for the Air Force for 40 years before retiring in 1997.

As it is now, employees must leave their work stations during launches -- depending on which launch pad is being used and the type of rocket being launched.

With newer, larger heavy-lift rockets being used, the hazardous areas could expand, he said. "It would be very difficult," said Ullian.

Work efficiency is another issue. Because launches often don't go on schedule, workers would likely have to leave the station more than once for the same launch.

Other work at the Cape would also be disrupted, the 1998 report said.

This is why the station and Patrick were set up the way they were, Ullian said: "You want your staff close to the launch site, but far enough away out of the hazardous area."

The study shows most of the station is vulnerable to hazards from a rocket exploding and debris falling.

The Air Force minimizes the risks by sheltering necessary personnel in hardened bunkers and by evacuating those who are not essential to the launch.

In some cases, if a 20-story tall rocket exploded after launch it could release toxic fumes over Cape Canaveral Air Force Station.

is jack the prices up even more."

Ollie Chancey said she and husband, who is now deceased, moved to Cocoa Beach years ago because of the base. Her husband was retired Army.

"Just thinking about it closing makes me sick. I use it a lot. I'd hate to see it close because that would force me to move to Savannah."

Ft. Stewart, a large Army base, is located in Savannah.

Kyle Nylander, owner of Juice and Java in Cocoa Beach, said "I think it's simply can't happen," when asked whether the base would close. "That's just blind optimism."

Friday, 8:30 a.m.

Patty Kraft of Cape Canaveral stopped at the beach across from Patrick to check on the surf.

"I would rather see the base stay than have it bulldozed and developed," she said as she gazed at the smooth waves. "We already have enough development."

If Patrick were to be closed, she opted for some green space. "A park would be good idea," she said.

Friday, 7:50 a.m.

The dawn on Decision Day at Patrick AFB was beautiful as surfers caught some waves in the Atlantic across from the base. Temperatures in the low 70s and calm winds made for some excellent waves, some young surfers reported.

A few hundred feet away, it was business as usual as vehicles filed into the main gate at Patrick.

A visiting Air Force major waiting in a Lexus SUV for a friend to arrive did not have an opinion on the base closing issue - but he liked the area.

"It's a very nice place," said Maj. Jose Loya of Sheppard AFB in Wichita Falls, Texas.

Friday, 7:25 a.m.

The Pentagon announcement on base closing recommendations is expected at 10:30 this morning.

Folks at Patrick are feeling a bit more confident after Defense Secretary Donald Rumsfeld said the Pentagon has drawn up a shorter list than expected of U.S. military bases to close.

Rumsfeld said the move would save \$48.8 billion over 20 years while reshaping the military for America's expected 21st century adversaries.

Rumsfeld said his recommendation reflected that domestic bases have 5 percent to 10 percent more space than they need — less than half earlier estimates of 20 percent to 25 percent.

Live reports from Patrick, community

Florida Today

R. Norman Moody and J.D. Gallop

May 13, 2005

FLORIDA TODAY reporters are taking the pulse of the community as Brevard County considers the military base realignment and closure recommendations.

Check back regularly for reports from both inside Patrick Air Force Base and in nearby communities.

Friday, 2:50 p.m.

At Taco City, a restaurant just north of Patrick Air Force Base, owner Marie Myers was happy with the base recommendations.

"We have a good rapport with the base," said Myers. "They are in here every day... in the daytime in their uniforms; in the nighttime with their families."

Shawna Woodard, who works at Patrick AFB, was munching on nachos at the restaurant as word arrived.

"It's there, it will be there and it will stay there," she said.

Friday, 12:55 p.m.

The mood was less than upbeat at Sailor's Choice Bar and Grill at Port Canaveral, just a few miles away from the headquarters of the Naval Ordnance Test Unit. The group that supports Trident submarine missile testing will lose about 200 jobs if the Pentagon's recommendations are approved.

"It would take a great deal from our business," said bartender Michelle Keables, who has worked at the bar for 15 years. "If 200 people on this side of the port lose their jobs, it impacts us. Those are potential customers."

Friday, 11:30 a.m.

At the Beach Shack on Cocoa Beach, TVs were tuned into news shows announcing the base realignment. The general mood: enthusiastic that Patrick was spared a major reduction in workforce.

"This is paradise and a lot of people want to come here," said manager Bill Kolp. "We have a lot of valued customers who are in the military."

Dave Hassett, who was watching TV, was pleased to see the local base was relatively unharmed by the Pentagon's proposal.

"I'm just glad Patrick is not going to be closed," he said. "It would devastate the economy and turn it into a ghost town."

Friday, 10:30 a.m.

Just south of Patrick in Satellite Beach, 24-year-old Nick Bower got ready for another day of tiling floors by loading up with a ham-and-cheese sandwich and a bottle of water. To him, Patrick's future was of little concern.

What impact would it have on him: "None," he said.

"I'm not in the military and I don't know too many people who are," he said as he walked out of a convenience store wearing tattered shorts and a white T-shirt.

Friday, 10:25 a.m.

Across the street in Satellite Beach at the intersection of Ocean Boulevard and A1A, Laura Roberts was getting the "Sweet-n-Juicy" fruit stand ready to open by loading displays with red-ripe tomatoes and large peaches.

"We get a lot of customers from Patrick," she said.

Before today's announcement that the base would lose only about 200 jobs, she was worried about the prospects of a base closure.

"It would probably take away a lot of customers who come here in their uniforms. They are good buyers," Roberts said.

She said her father chose the location because of the busy intersection and the closeness to base housing.

Friday, 9:15 a.m.

Army veteran Cleve Dieckman of Merritt Island said, "I would not like to see [Patrick] close. I know that there's a lot to take into consideration. The economic impact is too great. It would be horrible. It would hurt Brevard County."

Bob Estes, who owns Cocoa Beach Plumbing, says he knows some of the people on the local committee trying to save the base.

"I feel like they put a good foot forward. I feel confident the base won't close. I'm going into today with high hopes that things will remain the way they are."

Estes said he has occasionally sold supplies to the base for the past 10 to 15 years.

Roger Burleigh, a Realtor with ERA Showcase Properties and Investments said, "I don't think they should close. We've got too many developers right now. The only thing developers would do

Opinion/Editorial Articles

Just too valuable

Florida Today
May 14, 2005

The Pentagon's decision to spare Patrick AFB reflects its unique military role
Everyone can breathe easier now.

Patrick Air Force Base avoided the Pentagon's hit-list for closure Friday, ensuring the installation will continue to be an integral part of our community for many years to come.

However, there were some casualties.

Some 136 military and 59 civilian positions with the Naval Ordnance Test Unit -- which does most of its work at Port Canaveral's Trident submarine basin but is formally stationed at Patrick -- will be moved.

But it could have been far worse. Here's why it wasn't:

Patrick's unique mission in launching nearly all military satellites into space from Cape Canaveral Air Force Station made it far too valuable to touch, for reasons of national security.

The spacecraft are the spy, communication and navigation satellites that serve as the central nervous system to the U.S. military machine, and are essential in Pentagon operations in Iraq, Afghanistan and the global war on terror.

Furthermore, the military is working to integrate satellite-usage even more deeply with U.S. forces around the world, meaning Patrick's role in getting the spacecraft into orbit will continue to rise in importance.

The work of the Economic Development Commission of Florida's Space Coast, the Space Coast Defense Alliance and Rep. Dave Weldon, R-Palm Bay, was vital in making the case for leaving Patrick alone.

Along with that was strong support from Brevard County residents, who have had long and close ties to the base and its personnel.

Looking at the bigger picture, Florida also did well.

All of its major bases will remain open, and despite some job cuts at specific installations, the state will actually see a 2,700-job net gain.

Still, the fight isn't over.

The Florida Defense Alliance -- made up of 16 economic development agencies from areas with bases -- now must defend against other states' efforts to save their own hit-listed bases.

They'll push to grab work from Florida installations in a struggle that's likely to be desperate, as 150 bases nationwide -- including 33 major ones -- have been tagged for shutdown.

While Patrick is safe, that won't lessen the pain for the civilians at NOTU whose positions will be moved.

Those losses, whenever they come, will be added to cutbacks by NASA as it plans a space shuttle phaseout and prepares for its moon-Mars mission.

More pink slips also will come following the recent announcement that -- to make the best of a dwindling commercial launch market -- Boeing and Lockheed Martin merged their rocket divisions into the United Launch Alliance.

The company flies its Delta 4 and Atlas 5 rockets from Cape Canaveral Air Force Station on missions for the Pentagon and civilian customers.

Base Visit Book
DCN 2550

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
Data As Of 4/27/2005 10:00:49 AM, Report Created 4/27/2005 10:01:54 AM

Department :
Scenario File : Z:\COBRA Database\TECH-0018\TECH_0018E Final 6.10\J - TECH-0018E COBRA Input File with
Footnotes (6.10) 04272005.CBR
Option Pkg Name:
Std Fctrs File : C:\Documents and Settings\Administrator\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006
Final Year : 2011
Payback Year : 2018 (7 Years)

NPV in 2025(\$K): -61,417
1-Time Cost(\$K): 86,442

Net Costs in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	4,733	19,398	0	0	33,192	0	57,323	0
Person	0	0	-41	-41	-41	-2,237	-2,360	-6,001
Overhd	530	888	159	40	1,084	-6,270	-3,568	-7,424
Moving	0	0	53	0	0	2,031	2,084	0
Missio	0	0	0	0	0	42	42	42
Other	0	0	12,535	116	1,223	9,290	23,165	-14
TOTAL	5,263	20,287	12,706	116	35,459	2,856	76,687	-13,397

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	0	0	0	0	0	6	6
Enl	0	0	0	0	0	30	30
Civ	0	0	0	0	0	37	37
TOT	0	0	0	0	0	73	73

	2006	2007	2008	2009	2010	2011	Total
POSITIONS REALIGNED							
Off	0	0	5	0	0	8	13
Enl	0	0	40	0	0	47	87
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	22	22
TOT	0	0	45	0	0	77	122

Summary:

Source Data

1. TECH-0018, Part5 Response from DON, 15 Feb 2005.xls
2. TJCSG approved assumptions were not applied as directed by TJCSG, Navy Submit includes Navy Assumptions.

NPV results of 6.08 are \$4081K greater than those of 6.07.

Data Standards

A. Start Dates

- 1) For moves requiring no renovation or new office space - 2006
- 2) For moves requiring Office Space - move in 2008
- 3) For moves requiring Lab Space - move in 2009

B. MILCON

- 1) For purposes of COBRA, assume 160 Gross Square Feet (DOD Standard) for Office Space (FAC 6100)
- 2) For S&T organizations requiring MILCON, absent a detailed breakout of equipment and facilities, use 150 Gross Square feet per person (this from the NAVFAC guide for Laboratories).
- 3) For SCIFS the FAC code is 1404. For purposes of housing people is SCIFS (when they are reported as separate and additional facilities), We want to assume 1 person per 1000 square feet will use that space as an office. That person should be removed from the other portion of the building.
- 4) The following calculation is performed to determine whether there is sufficient space to accept donor base personnel: 160* reassigned personnel + 150 * research FTEs being reassigned. If this figure exceeds the space being constructed, renovated or available at the receiving base by 50,000 square feet, the phrase insufficient milcon is displayed in the comments. Similarly, if the space being constructed, renovated or available at the receiving base exceeds the needed space, the phrase excessive milcon is displayed in the comments.

C. Addition Network/IT Costs

- 1) COBRA allows \$1200 per person for a single network. Use \$1200 person for an

Base Visit Book DCN 2550

addition networks (S,TS).

D. Additional savings

1) If leased space has not had an AT/FP upgrade, HAS is assuming a one-time savings of \$28.28 per gross square foot in NCR. This means that if we move out of a leased space in the DC area that has not been upgraded we can take that as a savings.

E. Personnel Reductions

1) Subgroups can apply a 15% reduction against all government personnel moved.

2) There are three types of organizations at the receiving site:

Consolidated

Joint

Co-Located

3) Subgroups can use their best judgment on the personnel reductions possible in all three, but it would seem that Consolidated has the best opportunities for reductions in P&T, with Joint slightly less and Co-Located the least potential for reduction.

F. Contractor Reductions

1) Subgroups can apply a 15% reduction against all contractor personnel.

2) Show a \$200K Misc. Recurring Savings for each contractor eliminated.

G. Decontamination Costs

1) No decon costs allowed if the affected base is not closed.

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Patrick AFB, Cape Canaveral, FL

Demographics

The following tables provide a short description of the area near the installation/activity. Patrick AFB is 57.4 miles from Orlando, FL, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Melbourne-Titusville-Palm Bay, FL MSA	476,230

The following entities comprise the military housing area (MHA):

County/City	Population
Brevard	476230
Indian River	112947
Total	589,177

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 37

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities. For median household income and house value, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

Median Household Income	(US Avg \$41,994)	\$40,099	Basis: MSA
Median House Value	(US Avg \$119,600)	\$94,400	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,381	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

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Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR"--means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information. For each entry, the number of school districts for which data are available of the total number of school districts reported, and the number of MFRs is indicated.

		Basis
School District(s) Capacity	77,238	1 of 1 district
Students Enrolled	71,700	1 of 1 district
Average Pupil/Teacher Ratio	17.4:1	1 of 1 district
High School Students Enrolled	21,260	1 of 1 district
Average High School Graduation Rate (US Avg 67.3%)	88.4%	1 of 1 district
Average Composite SAT I Score (US Avg 1026)	1030	1 of 1 district
Average ACT Score (US Avg 20.8)	22	1 of 1 district
Available Graduate/PhD Programs	4	
Available Colleges and/or Universities	4	
Available Vocational and/or Technical Schools	5	

Employment

Unemployment and job growth rates provide an indicator of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided. For each entry, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

The unemployment rates for the last five years:

	1999	2000	2001	2002	2003
Local Data	3.9%	3.4%	4.2%	5.4%	4.9%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

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The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	1.6%	2.0%	1.0%	-.5%	1.1%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: According to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal total Vacant Housing Units. Vacant housing units may also include units that are vacant but not on the market for sale or rent. For each entry, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

Total Vacant Housing Units	23,877	Basis: MSA
Vacant Sale Units	3,613	
Vacant Rental Units	5,937	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population. The basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

	# Physicians	# Beds	Population	
Local Community	973	1,112	476,230	Basis: MSA
Ratio	1:489	1:428		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002 is provided. The basis of the data (either MSA or state) is indicated.

Local UCR	4,674.0	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

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Distance from Patrick AFB to nearest commercial airport: 14.0 miles
Is Patrick AFB served by regularly scheduled public transportation? No

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Physical Capacity Analysis

Nuclear Technology Test and Evaluation (Sea Based)

Facility Name	Current Capacity SqFt	Current Usage SqFt	Max Potential Capacity SqFt	Capacity Available to Surge SqFt	Required to Surge SqFt	Excess Capacity SqFt
NAVORDTESTU_CAPE_CANAVERAL_FL	61,470	38,187	61,470	23,283	42,005	19,465
SUBMARINE_BASE_KINGS_BAY_GA (NO EQUIVALENT TECHNICAL FOOTPRINT MEASURE AVAILABLE FOR COMPARISION)						

Facility Name	Current Capacity FTE	Current Usage FTE	Max Potential Capacity FTE	Capacity Available to Surge FTE	Required to Surge FTE	Excess Capacity FTE
NAVORDTESTU_CAPE_CANAVERAL_FL	239	239	263	24	263	0
SUBMARINE_BASE_KINGS_BAY_GA (NO EQUIVALENT TECHNICAL FTE MEASURE AVAILABLE FOR COMPARISION)						

Nuclear Technology Test and Evaluation Pier Berthing Capacity

(Cruiser Equivalents (CGE))¹

Facility Name	Current Capacity	Current Usage	Max Potential Capacity	Capacity Available to Surge	Required to Surge	Excess Capacity
NAVORDTESTU Cape Canaveral, FL	4	1	4	3	0	3
SBKB Kings Bay, GA	13.5	4 ²	13.5	9.5	0	9.5

¹ A metric for Naval pier/berthing capacity is Guided Missile Cruiser Equivalent (CGE) Units which equates to the size and support of one CG-47 Class Cruiser. For analysis purposes a Fleet Ballistic Missile submarine (SSBN-726 Class) is equal to one CGE

² 8 CGE with assumption that only half are in port at any given time

SUBASE_KINGS_BAY_GA, GA

Demographics

The following tables provide a short description of the area near the installation/activity. SUBASE_KINGS_BAY_GA is 39 miles from Jacksonville, FL, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Jacksonville, FL MSA	1,100,491

The following entities comprise the military housing area (MHA):

County/City	Population
Camden	43664
Charlton	10282
Glynn	67568
Nassau	57663
Total	179,177

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 5

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities. For median household income and house value, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

Median Household Income	(US Avg \$41,994)	\$41,033	Basis: 4 of 4 counties
Median House Value	(US Avg \$119,600)	\$108,602	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 874	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Nuclear Technology Test and Evaluation (Sea Based) Military Value

Facility Name	MilVal
NAVORDTESTU_CAPE_CANAVERAL_FL	0.4046

Facility data for this scenario was limited to Navy facilities because it was a Navy only scenario. 7 locations were exempted from consideration as a consequence of a TJCSG decision not to analyze locations with less than 31 full time equivalent work years in a function. It was the military judgment of the TJCSG that the benefit to be derived from consideration of those facilities was far outweighed by the cost of that analysis.

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Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR"--means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information. For each entry, the number of school districts for which data are available of the total number of school districts reported, and the number of MFRs is indicated.

		Basis
School District(s) Capacity		0 of 1 district, 1 MFR
Students Enrolled	9,703	1 of 1 district
Average Pupil/Teacher Ratio	17.0:1	1 of 1 district
High School Students Enrolled	2,578	1 of 1 district
Average High School Graduation Rate (US Avg 67.3%)	90.0%	1 of 1 district
Average Composite SAT I Score (US Avg 1026)	965	1 of 1 district
Average ACT Score (US Avg 20.8)	18	1 of 1 district
Available Graduate/PhD Programs	0	
Available Colleges and/or Universities	1	
Available Vocational and/or Technical Schools	0	

Employment

Unemployment and job growth rates provide an indicator of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided. For each entry, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

The unemployment rates for the last five years:

	1999	2000	2001	2002	2003
Local Data	3.5%	3.5%	3.6%	4.2%	4.6%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	4 of 4 counties				

Such job losses are why it's essential the state and county provide serious incentives to bring the European EADS airplane plant -- and its 1,000 jobs -- to Melbourne International Airport, to build a new generation of mid-air refueling tankers for the Air Force. And also why the state and the county should build a business atmosphere aimed at bringing in more jobs related to the rapidly changing space program, as Florida continues to compete with 49 other hungry states.

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The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.2%	.6%	-1.4%	.3%	1.2%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	4 of 4 counties				

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: According to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal total Vacant Housing Units. Vacant housing units may also include units that are vacant but not on the market for sale or rent. For each entry, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

Total Vacant Housing Units	12,135	Basis: 4 of 4 counties
Vacant Sale Units	1,221	
Vacant Rental Units	3,771	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population. The basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

	# Physicians	# Beds	Population	
Local Community	285	360	179,177	Basis: 4 of 4 counties
Ratio	1:629	1:498		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002 is provided. The basis of the data (either MSA or state) is indicated.

Local UCR	4,507.2	Basis: state
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from SUBASE_KINGS_BAY_GA to nearest commercial airport: 30.0 miles
Is SUBASE_KINGS_BAY_GA served by regularly scheduled public transportation? No

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

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