

FORT A.P. HILL

An Army Community of Excellence - 2003



TABS BRIEF 2004

Where America's Military Sharpens Its Combat Edge

Agenda

"Where America's Military Sharpens Its Combat Edge"



- ① Introduction – A Short Video
- ① Mission Brief
- ① Tenant Location, Size & Mission
- ① Support to Reserve Components, Homeland Defense and other Agencies
- ① Master Plan
- ① Economic and Social Impact
- ① Summary

Military Value

"Where America's Military Sharpens Its Combat Edge"



Fort A.P. Hill provides a training environment suitable for use by small, medium or large-sized mounted or dismounted units.

...Including access to lakes and navigable river operating areas.

- ◎ A state-of-the-art 27,000 acre Range Complex**
- ◎ Maneuver space for small or medium-sized wheeled or tracked units.**
- ◎ Airspace available for use by all types of aviation with some restrictions.**
- ◎ Diverse Training Facilities**

Military Value

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Fort A.P. Hill - regional logistical support platform:

- ◎ Subsistence support to 9 installations
- ◎ Ammunition - operational and training loads for DoD, including special operations, countermining research and Homeland Defense and a transshipment point for Iraqi Freedom
- ◎ Immediate access to emergency relief supplies, for support and sustainment in the NCR
- ◎ Staging area for FEMA (ESF 8) during Hurricane Isabel – September 2003

FEMA is seeking a permanent relationship for future contingency operations.

Training Capabilities

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Army G-3 2003 analysis placed Fort A.P. Hill among a select group of installations capable of meeting Joint training needs using individual Services' respective doctrine, tactics, techniques, and procedures; as well as being capable of supporting Joint ground and close air operations.

⊙ House & train a Brigade(+) in permanent facilities with few additional resources.

⊙ Mobilize a Brigade(+) with a training support package

◆ MP units – Gulf War

◆ 92nd Separate Infantry Brigade – Iraqi Freedom

⊙ House (under field conditions) and train a Division



Mission Brief

FORT A.P. HILL

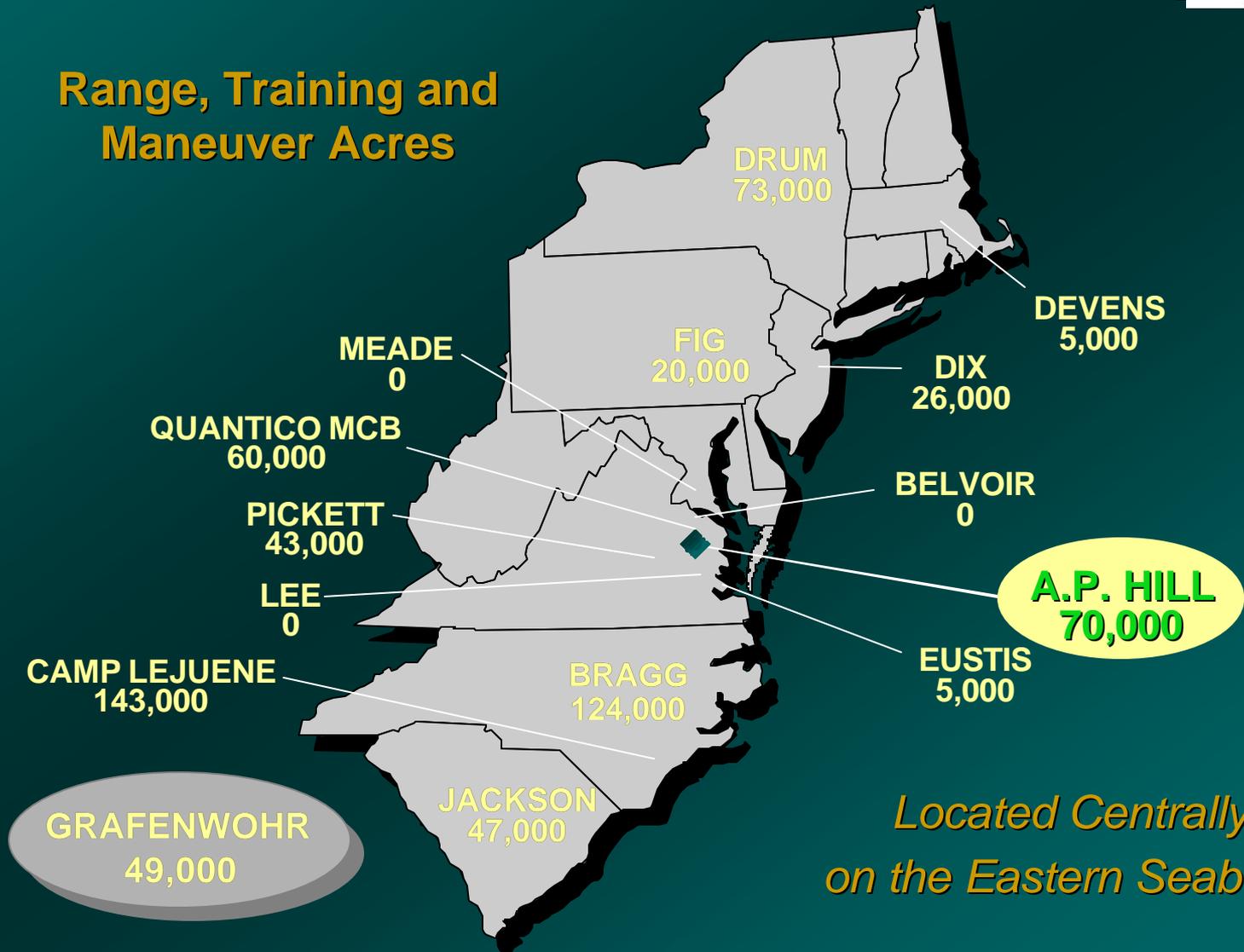


Location

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Range, Training and Maneuver Acres



*Located Centrally
on the Eastern Seaboard*

Installation Layout

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Fort A.P. Hill

75,794 Acres

Vital Statistics

- 38 Ranges
- 31 Tng Areas
- 35 Artillery points
- 15 Mortar points
- 12 Camps
- 8 Aerial Training Areas
- 1 River Crossing Site

*2nd Largest Installation in
Northeast Region*



FORT A.P. HILL

History

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- ⦿ **Established as an Army Training Post – 11 Jun 1941**
- ⦿ **Served as staging area for General Patton's Task Force A, Operation Torch**
- ⦿ **During Korean War served as a staging area for European bound units including VII Corps Headquarters and Third Armored Cavalry Regiment.**
- ⦿ **Mobilization station for military police units during the Gulf War.**
- ⦿ **During Iraqi Freedom provided training support for mobilizing the 92nd Separate Infantry Brigade (PR ANG).**
- ⦿ **Peacetime platform for units sustaining combat readiness**

Installation Mission

"Where America's Military Sharpens Its Combat Edge"



Provide realistic joint and combined arms training, logistics and support enabling America's Defense Forces to win on 21st Century battlefields.

Installation Vision

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**The Best Training & Support
- - Anywhere!**

Workforce

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| Category | Perm | Temp |
|--------------------------------|------|------|
| Military | 13 | |
| General Schedule | 135 | 9 |
| Wage Grade | 59 | 5 |
| Non-Appropriated Fund | 5 | 13 |
| Summer Hire | | 0 |
| Contractor (service suppliers) | 35 | |

| Demographics | |
|--------------|------|
| Male | 150 |
| Female | 62 |
| Average Age | 47.5 |
| | |

| Education | |
|----------------|-----|
| Masters | 6 |
| Bachelors | 20 |
| Some College | 37 |
| High School | 140 |
| No High School | 6 |
| Unknown | 3 |

Training Capabilities

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- ⦿ **38 ranges that support DoD weapons systems (except ADA missile and Hellfire)**
 - ? **7 Ranges operate with Automated Target Systems**
 - ? **Aerial gunnery and bombing range**
 - ? **Squad & Platoon (mounted & dismounted) live fire maneuver ranges (Bradley Table VIII)**
- ⦿ **35 Artillery firing points**
- ⦿ **15 Mortar points**
- ⦿ **8 Observation points**
- ⦿ **9 Demolition sites with up to 100 lb. capacity**
- ⦿ **8 Aerial training areas**

Multipurpose Ranges

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Training Capabilities

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◎ 30 Training Areas

- ? 7 Infantry (dismount) Training Lanes with objectives
- ? 2 Training Lanes (wheeled/tracked) with objectives
- ? A Driving Course – supports 88M MOS training requirements (The Transportation School)
- ? Bridging & Rafting sites – supports multiple bridge sets
- ? A River site – allows access by units with over the water mission from other installations
- ? Landing Craft load/unload site
- ? 2 Drop Zones (1,750 yds - 32 seconds and 1 – 800 yds)
- ? Assault Landing Strip (C-130 / C-17 capable)

Adkins Drop Zone

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Training Facilities

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- ? **Combat Village**
- ? **POW Compounds**
- ? **Decontamination Site**
- ? **Gas Chamber**
- ? **Landmine Warfare**
- ? **Basic Rifle Marksmanship Classroom**
- ? **Classrooms**
- ? **Bayonet Assault Course**
- ? **4 Rappel Towers**
- ? **Leadership Reaction Course**
- ? **Expert Medical Badge Course**
- ? **Light Leader Course**
- ? **Land Navigation Courses**
- ? **4 Obstacle Courses**
- ? **Expert Infantry Badge Test Site**
- ? **Hand-to-Hand Pits**
- ? **PT Field**

Bridge and Raft Sites

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Support Facilities

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- ⊙ Permanent Training Barracks – 1 Brigade (+)
 - ? Field Housing (Tents on Tent Pads) for an additional 10,000 soldiers
- ⊙ TISA Throughput – 14,000 Rations/day
- ⊙ Fuel Storage – 250,000 gallons
- ⊙ Ammunition Storage - 24,031 square feet
- ⊙ General Storage – 66,629 square feet w/ an additional 43,000 square feet of temporary storage

Fixed Camp Sites

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Tent Camp Sites

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Infrastructure Capabilities

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- ◎ Water Production & Distribution – 6 systems with a production capacity of approximately 2 million gallons per day; storage of 4 million gallons
- ◎ Waste Water – 6 systems; Treat 698,000 gallons per day, storage capacity is 20.3 million gallons
- ◎ Electrical Distribution is privatized with Rappahannock Electric Cooperative
- ◎ Roads – 87 miles of paved; 406 miles of unimproved roads and trails
- ◎ Army Family Housing – 25 sets
- ◎ Unaccompanied Personnel Housing – 14 units

Information Infrastructure

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① Telecommunications

? Redundant data and telecommunications structure (only installation in MDW w/ this capability)

? 100 megabit local area network

? Multiple T-1 wide area network for Voice and Data

? 10 Non- tactical Frequencies

? 500(+) Tactical Frequencies (Air & Ground)

Environmental Highlights

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🎯 Regional Engagement:

- ? A member of the Virginia Department of Environmental Quality / DoD Pollution Prevention Partnership Member of the Caroline County Environmental Management System Committee
- ? Member of the Caroline County Technical Review Committee for rezoning
- ? Member of both the Chesapeake Bay, York and Rappahannock Tributary Committees
- ? Member of the Regional West Nile Task Force

Environmental Highlights

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Award Winning

- ◎ **2002 Environmental Compliance Assessment System (ECAS) resulted in the least number of negative findings and the most positive findings for an Army installation**
- ◎ **One of the first two military installations in Virginia designated Environmental Enterprise status (E2) in the State's Environmental Excellence Program.**
- ◎ **2003 Chesapeake Bay Program Outstanding Achievement Award**



Tenant Location, Size and Mission

Resident Units

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- ⊙ **Night Vision & Electronic Sensors – USA**
- ⊙ **Naval Special Warfare Group 2 – USN**
- ⊙ **B Company, 3rd Battalion, 20th Special Forces, – VA ANG**
- ⊙ **1st Logistics Support Battalion, 322nd Regiment, 5th Brigade, 78th Division – USAR**
- ⊙ **088 Base Maintenance Activity - USAR**
- ⊙ **80th Division Drill Sergeant School – USAR**

Resident Units

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- ◎ **Bureau of Alcohol, Tobacco, Firearms and Explosives – Dept. of Justice**
- ◎ **Eastern Regional Support Center - USA**
- ◎ **HQ & HHD Engineer Brigade, 28th ID (M) – VA ANG**
- ◎ **1710th Transportation Company – VA ANG**
- ◎ **U.S. Army Health Clinic - USA**
- ◎ **U.S. Army Corps of Engineers Office – USA**

Special Operations

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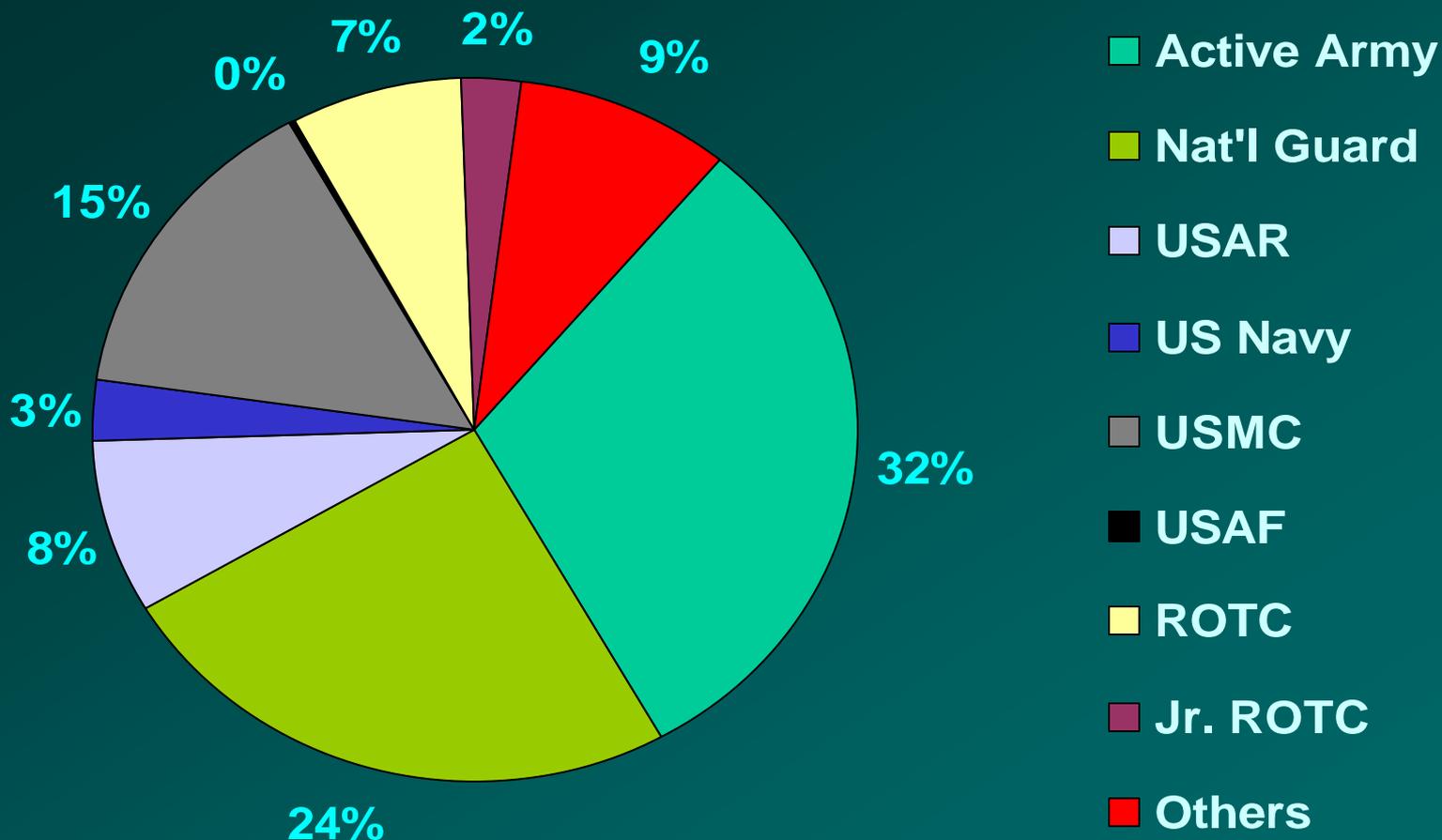
Support to Reserve Components, Homeland Defense, and Other Agencies

Component Utilization

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2003 - Total of 49,268 service members trained from 634 units



Annual average of 78,900 service members trained from 1999-2001

Customer Unit Sample

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2003

3rd Infantry Regiment

USMC East Coast MEUs

**28th & 29th Infantry Division
units**

**99th Reserve Support
Command units**

82nd ABN Division units

12th Aviation Battalion

**2nd & 4th Naval Special Warfare
Groups**

Special Operations Command

USMC Recon School

US Army QM & TC Schools

Walter Reed Army Med Center

**USMC 2nd Engineer and AAV
Battalions**

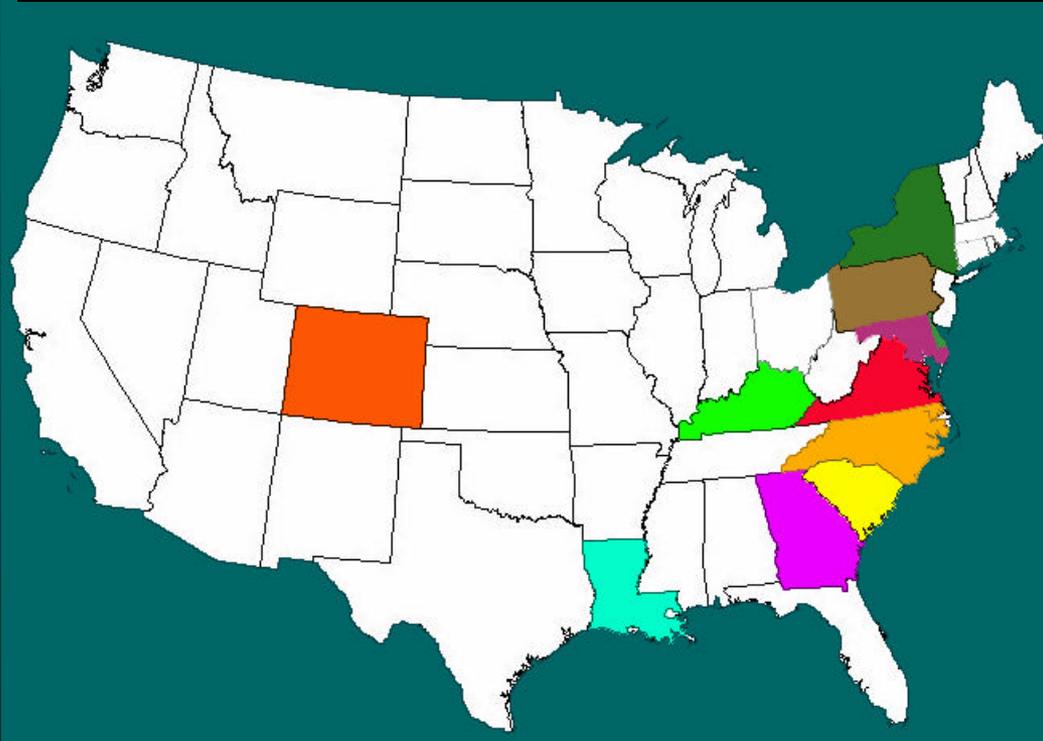
**Bureau of Alcohol, Tobacco,
Firearms and Explosives**

Dept. of State Security Forces

JTF Civil Support (COOP site)

Customer Unit Locations

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Fort Dix, NJ
Fort Drum, NY
Fort Campbell, KY
Fort Carson, CO
Aberdeen PG, MD
Andrews AFB, MD
Fort Detrick, MD
Indianhead NSWC, MD
Patuxent NAS, MD
Fort Belvoir, VA
Fort Eustis, VA
Fort Lee, VA
Fort Monroe, VA
Fort Myer, VA
Fort Pickett, VA
Little Creek Naval Base, VA
Norfolk Navy Base, VA
Quantico Marine Base, VA
Fort Bragg
Camp Lejeune
Cherry Point NAS

Royal British Marines

Canadian Forces

92d Separate Infantry Brigade, Puerto Rico

Dover AFB, DE
Fort Polk, LA
Fort Stewart, GA
Fort Gordon, GA

Naval Guns at A.P. Hill

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Support to DoD Testing

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- ? **Advanced Aviation Technology Demonstration – Fort Eustis, UAV Testing**
- ? **US Air Force Research Lab – satellite and aerial platform imagery**
- ? **NGA / Army Environmental Center – hyperspectral mapping and imagery testing**
- ? **Night Vision Labs – Fort Belvoir**
 - ? **Laser testing**
 - ? **Thermal Imaging and Optics Testing**
 - ? **Humanitarian De-mining and Countermine research**
- ? **Naval Special Warfare Center, Indianhead - Thermobaric blast testing (tunnel and cave demolitions)**
- ? **Naval Special Warfare Center, Dahlgren**
- ? **USMC, Quantico MCB – Expeditionary Fighting Vehicle test**
- ? **DARPA – advanced remote robotics developmental testing**

Supporting the War

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◎ Many units deploy immediately to critical missions

- ? 29th Infantry Division – Bosnia Command
- ? Navy SEALs – Afghanistan / Iraq
- ? 26th MEU – Seized Kandahar Airport, Afghanistan
- ? 3rd Special Forces Group – Afghanistan / Iraq
- ? 20th Special Forces – tenant unit deployed to Afghanistan
- ? 82nd Airborne Division – Engineers and Paratroopers in Afghanistan / Iraq
- ? USMC 2nd Division Combat Engineers – Afghanistan / Iraq
- ? British Royal Marines – Basra, Iraq
- ? MDW Engineers – POTUS / VPOTUS Rescue
- ? 92nd Separate Infantry Brigade – Guardian Mariner

Other Support

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Continuity of Operations Sites for DoD

- ? Defense Energy Supply Center
- ? JTF Civil Support

Regional Headquarters for Integrated Training Area Management / Geographic Information Systems – serving over 71 locations worldwide

National Scout Jamboree

"Where America's Military Sharpens Its Combat Edge"



- ◎ **A Quadrennial Event – Next Jamboree is 2005**
 - ? **Serves as a two week showcase for the entire armed forces**
 - ? **40,000 scouts, 25,000 volunteers, 2,500 soldiers, & average of 25,000 daily visitors**
 - ? **Event provides training for soldiers in operations other than war**
 - ? **Mission assigned to DoD by Congress**
- ◎ **FAPH has hosted the Jamboree since early 80's**



Master Plan

Master Plan

"Where America's Military Sharpens Its Combat Edge"



Fiscal 2005 through 2009

| <u>PN</u> | <u>FY</u> | <u>Title</u> | <u>Cost</u> In \$ million |
|--------------|-----------|---|------------------------------|
| <u>58719</u> | 05 | Shoot House & Urban Assault Course | 4.00 |
| <u>12535</u> | 06 | Modified Records Fire Range | 1.75 |
| <u>54981</u> | 07 | Combined Arms Collective Training Facility Ph 1 | 10.79 |
| <u>61546</u> | 08 | Multi Purpose Tank Range (Range 24) | 2.50 |
| <u>61548</u> | 08 | Combined Arms Collective Training Facility Ph 2 | 11.00 |
| <u>13265</u> | 08 | Emergency Services Center | 6.20 |
| <u>61547</u> | 09 | Battle Area Course | 30.00 |
| <u>10556</u> | 09 | Physical Fitness Center | 8.30 |
| <u>13120</u> | 09 | Vehicle Maintenance Shop, Organizational | 6.00 |

Master Plan

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Long Range Projects

| <u>PN</u> | <u>FY</u> | <u>Title</u> | <u>Cost</u> In \$ million |
|--------------|-----------|-------------------------------|------------------------------|
| <u>13342</u> | LR | Training Aids Support Center | 1.55 |
| <u>48849</u> | LR | Health Clinic | 1.05 |
| <u>52272</u> | LR | Battalion Headquarters | 1.10 |
| <u>53580</u> | LR | Fixed Runway Surfaced | 24.00 |
| <u>48851</u> | LR | Multi-Purpose Training Range | 5.90 |
| <u>24946</u> | LR | Dining Facility | 2.2 |
| <u>48847</u> | LR | Battle Simulation Center | 1.2 |
| <u>55752</u> | LR | Brigade Headquarters Building | 1.50 |

Master Plan

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Long Range Projects

| <u>PN</u> | <u>FY</u> | <u>Title</u> | <u>Cost</u> In \$ million |
|-------------------------|-----------|---------------------------------------|------------------------------|
| <u>13136</u> | LR | Igloo Storage Installation | .70 |
| <u>24949</u> | LR | Community Service Center | 2.00 |
| <u>50007</u> | LR | Organizational Classroom | 2.60 |
| <u>25014</u> | LR | Multipurpose Machine Gun Range (RETS) | 2.60 |
| TOTAL MCA ROGRAM | | | \$128.0 |

Projects By Others

| <u>PN</u> | <u>FY</u> | <u>Title</u> | <u>Cost</u> In \$ million |
|------------|-----------|------------------------------|------------------------------|
| <u>N/A</u> | 03 | Army Reserve Center, AP Hill | 4.93 |

Range Development Plan

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| Priority | Project | In thousands | | |
|--------------------|---|----------------|----------------|---------------------------------|
| | | MCA | OPA | OMA |
| <u>FY05</u> | 1. Shoot House/Urban Assault Crs. | \$4,000 | \$1,100 | |
| | 2. Breach Facility | | | \$200 |
| | 3. IPBC (RG 28) | | \$682 | \$500 |
| | 4. Multipurpose Machinegun (RG 3) | | \$650 | \$500 |
| <u>FY06</u> | 1. Modified Record Fire (RG 37) | \$2,700 | \$579 | |
| | 2. Convoy Live Fire (RG 25) | | \$300 | \$300 |
| | 3. Attack/Seize Objective (RG 25) | | | \$300 |
| | 4. Artillery Observation Point (OP 11) | | | \$200 |
| | MILCON Project | | | OMA and / or OPA Project |

Range Development Plan

"Where America's Military Sharpens Its Combat Edge"



| Priority | Project | In thousands | | |
|-------------|--|-----------------|----------------|---------------------------------|
| | | MCA | OPA | OMA |
| <u>FY07</u> | 1. CACTF (Phase 1) | \$10,798 | \$3,800 | |
| | 2. MK-19 Range (RG 11) | \$1,500 | \$500 | |
| | 3. Modified Record Fire (RG 32) | | \$1,400 | \$200 |
| <u>FY08</u> | 1. CACTF (Phase 2) | \$11,000 | \$1,800 | |
| | 2. MPTR upgrade (RG 24) | \$2,500 | \$1,500 | |
| | 3. Infantry Squad Battle Crs (RG 26) | | \$644 | \$300 |
| <u>FY09</u> | 1. Battle Area Course | \$30,000 | \$9,700 | |
| <u>FY10</u> | 1. Combat Pistol Qualification (RG 1) | | \$346 | \$100 |
| | <i>MILCON Project</i> | | | OMA and / or OPA Project |

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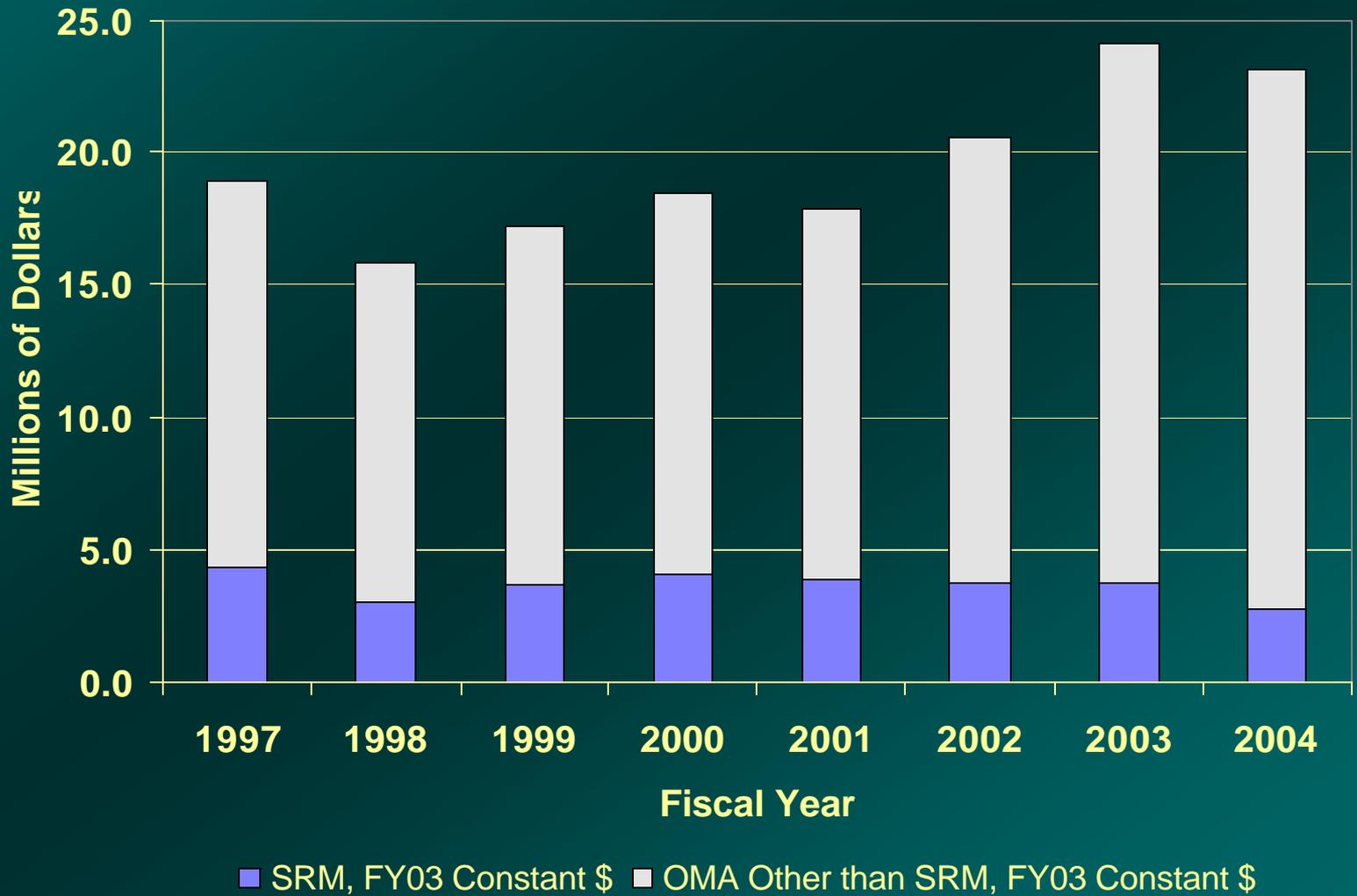
Economic and Social Impact

Annual Budget

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Total OMA Direct Funding with SRM Slice

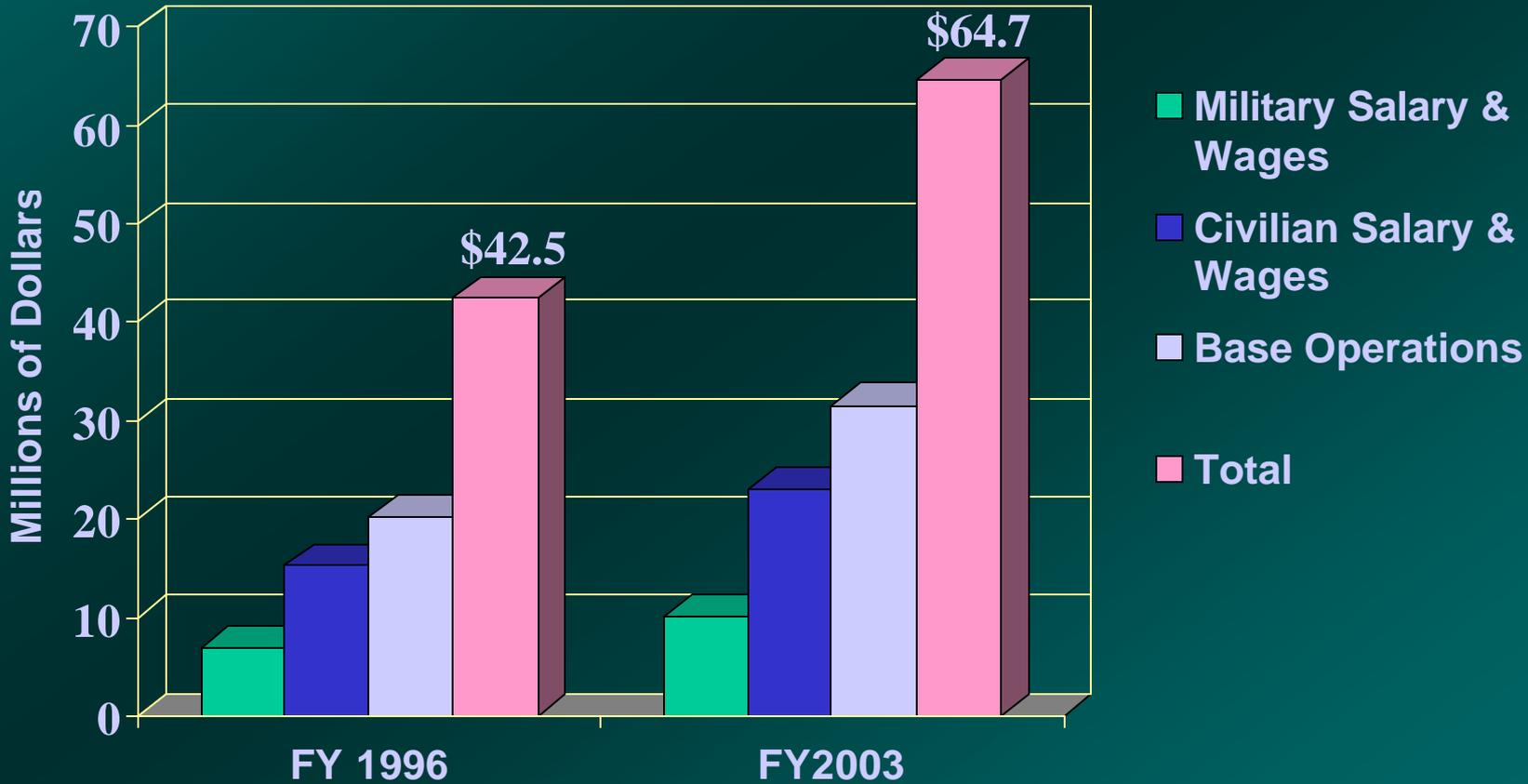


Economic Impact

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Estimated Economic Impact



Note: Impact increases by \$20 million during National Scout Jamboree year.

Encroachment

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How Military Training is Impacted:

Three Dimensions :

- ① Environmental – limits areas available for maneuver
- ① Airspace – limits ability to employ aerial platforms
- ① Incompatible Use -
 - ? Zoning allows Communities to Build up to Installation Boundaries
 - ? Noise limits ability to train at night and using certain weapons

These Impacts are minimal at Fort A.P. Hill!

Environmental Dimension

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③ 3 Threatened Species -

- ? Bald Eagle – 8 active nests
- ? Swamp Pink – a wetland plant
- ? Small Whorled Pogonia – an orchid

③ 3 species of endangered Pitcher Plants – illegally planted on post

③ Minimum restrictions due to tolerance and location of species.

Impact to training nearly inconsequential!

Airspace Dimension

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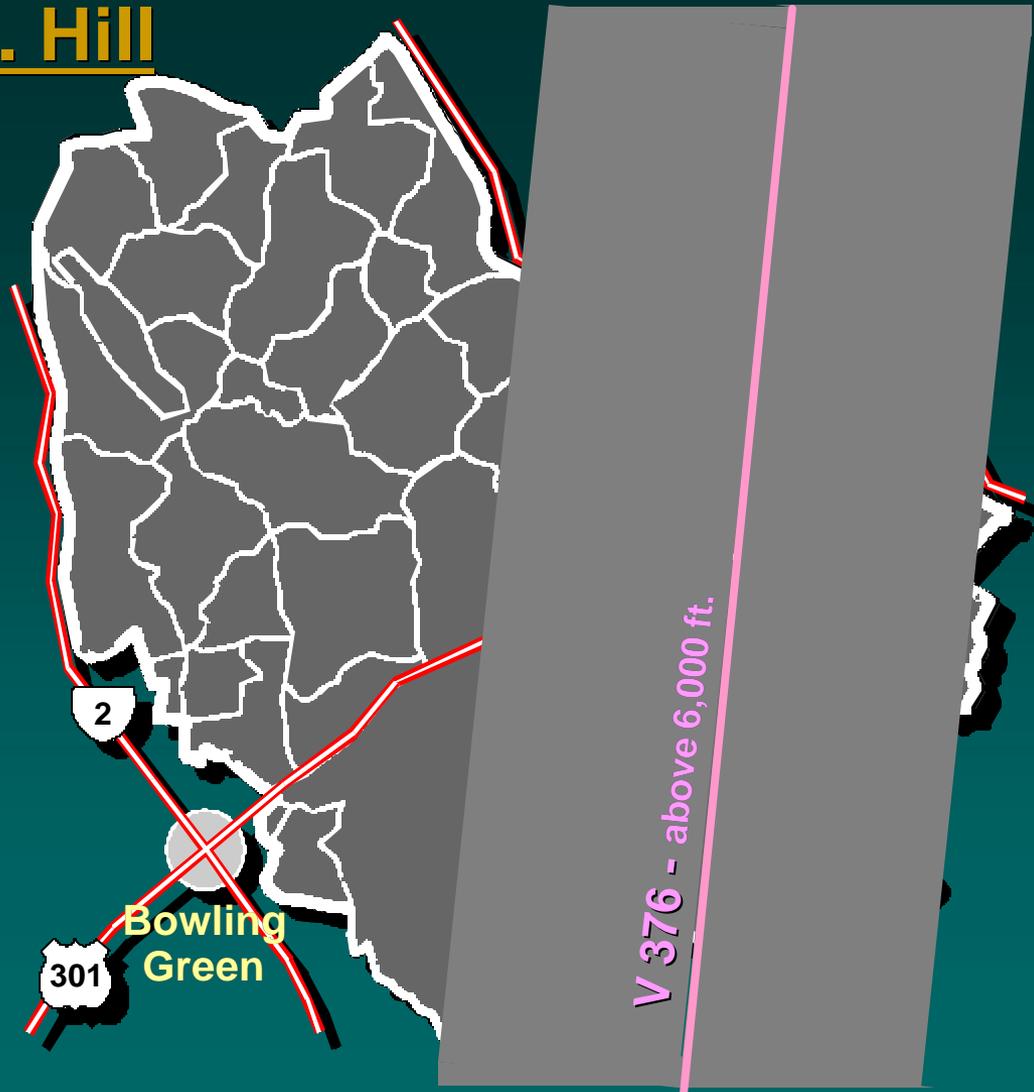
- ③ **Controlled Airspace over southern portion of the installation – provides unimpeded access**
- ③ **Washington DC Metro approach route over eastern portion of the installation**
- ③ **Helicopter and UAV training minimally limited**

Regional Air Corridor

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Fort A.P. Hill

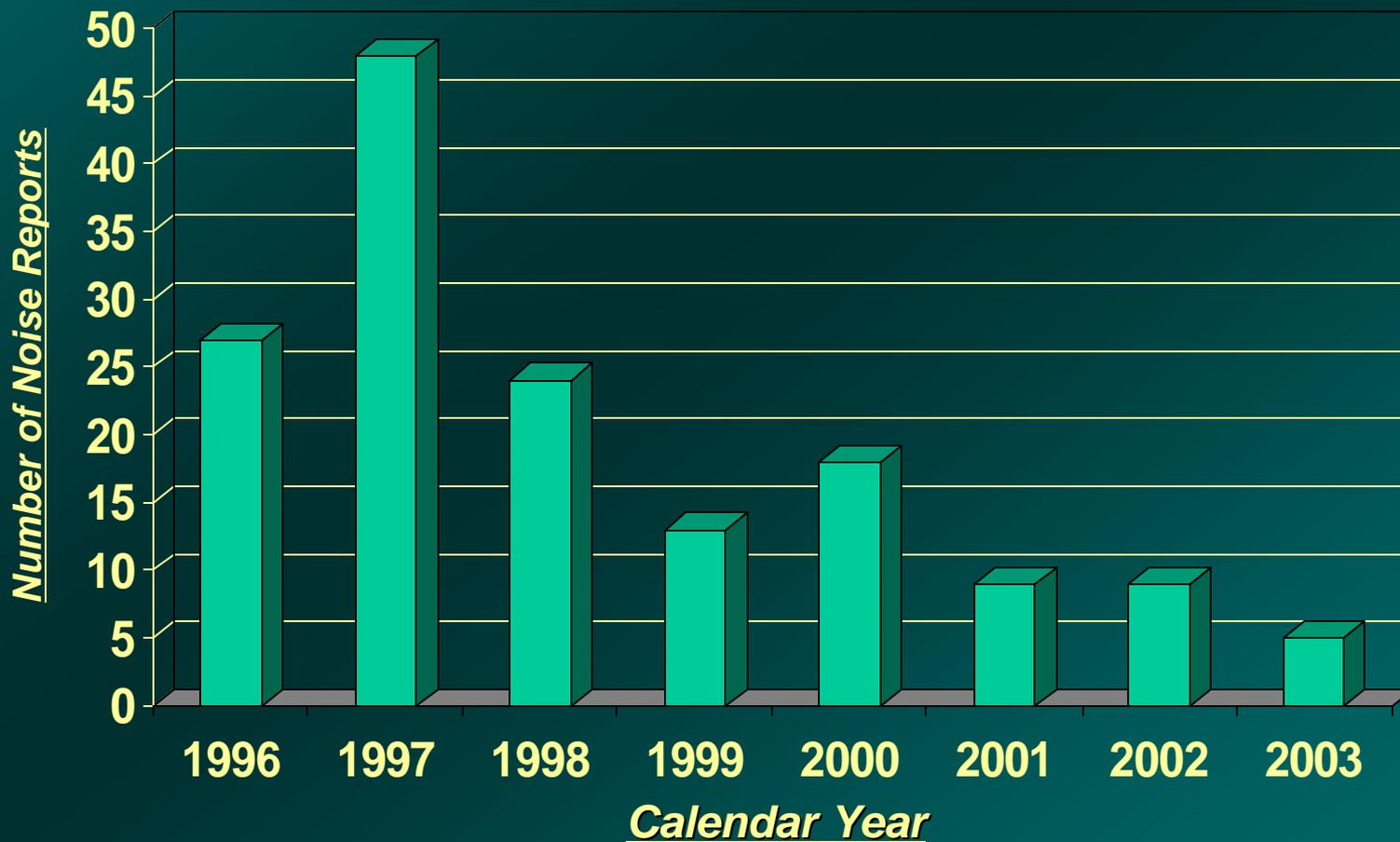


Incompatible Use Dimension

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Noise Reports



Incompatible Use Dimension

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We asked about Noise in a November 2003 Survey:

- ◎ 80% of respondents believe Fort A.P. Hill does an Excellent or Good job of minimizing effects of Training Noise
- ◎ 70% said Noise is not a problem
- ◎ 67% said they Rarely or Never experience Training Noise

Controlling Encroachment

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Our Strategy:

- ? Includes increasing buffers through acquisition and use of conservation or other easements to prevent incompatible development of land adjacent to key high noise areas of the installation.
- ? Working closely w/ local governments on zoning and comprehensive land use plans.

Most respondents (65%) to our Community Survey support efforts to reduce encroachment by development near the borders of Fort A.P. Hill

- ? **Two thirds (67%) favored a Comprehensive Plan that designates land surrounding the installation as Rural or Agricultural**

Community Impact

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We conducted a scientifically valid / reliable attitude survey of residents in a three county area surrounding the installation during Nov. 2003

VALUE TO NATIONAL DEFENSE

- ◎ **92% Believe the training conducted is important to National Defense. Virtually none thought the training unimportant.**

AS A NEIGHBOR

- ◎ **90% Agree Fort A.P. Hill is a good neighbor, with 75% strongly agreeing; only 2% disagreed.**

COMMUNITY IMPACT

- ◎ **73% Said Fort A.P. Hill personnel have positive impact on surrounding communities**

Our Strengths

"Where America's Military Sharpens Its Combat Edge"



- ✓ **Minimum Restrictions**
- ✓ **Flexible Scheduling**
- ✓ **Separate Maneuvering / Range Areas**
 - Room for Innovative Concepts*
 - Simultaneous Maneuver & Live Fire*
- ✓ **Capable of Handling Today's Weapons**
- ✓ **Knowledgeable, Customer-Oriented Staff**
- ✓ **Units can concentrate and focus fully on training**
- ✓ **Proximity to National Capital Region and multiple airports**
- ✓ **Regional Range Partnership – Customer Firing Solutions**

Military Value

"Where America's Military Sharpens Its Combat Edge"



Fort A.P. Hill serves DoD with 119 square miles of tailored training areas and modern ranges, unencumbered by environmental restrictions or urban growth. It's used extensively for Army and Joint warfighter exercises, and interagency use . . .

. . . for \$23 million per year.