



Candidate #MED-0028: Establish a Joint Biomedical RDA Management Center

DCN: 6562

Candidate Recommendation (summary): Co-locates all management activities overseeing biomedical Science and Technology and regulated medical product Development and Acquisition at Fort Detrick, MD.

Justification

- ✓ Create synergies and efficiencies:
 - Coordinate program planning to build joint economies & eliminate undesired redundancy
 - Optimize utilization of limited critical professional personnel
 - Build common practices for FDA regulatory affairs & communications
- ✓ Reduces leased space

Military Value

- ✓ Builds on high Ft. Detrick mil value as judged by both Medical and Technical JCSGs.
- ✓ Military judgment: Facilitates better communication and integration of programs; more jointness.

Payback

- ✓ One-time cost: \$ 6.273M
- ✓ Net implementation cost: \$ 5.330M
- ✓ Annual recurring savings: \$ 0.634M
- ✓ Payback time: 14 years
- ✓ NPV (savings): \$ 0.961M

Impacts

- ✓ Criteria 6: -116 jobs (68 direct, 48 indirect); <0.1%
- ✓ Criteria 7: No issues
- ✓ Criteria 8: No impediments

Economic Impact Report

This report depicts the economic impact of the following Scenarios:

MED0028a: Tri-Service Biomed RDA Mgt.CoE Alt 1

The data in this report is rolled up by Region of Influence

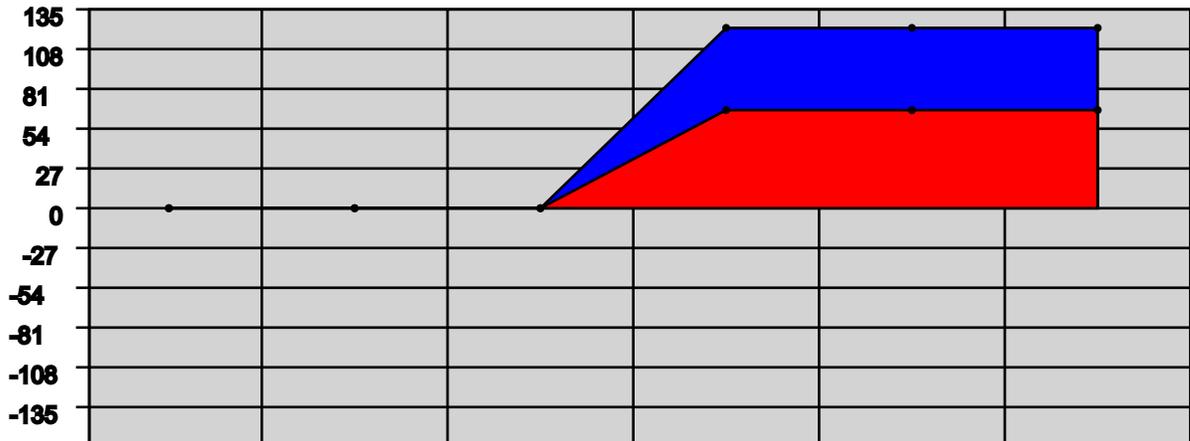
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
Economic Region of Influence(ROI): Bethesda-Frederick-Gaithersburg, MD Metropolitan Division
Base: All Bases
Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

ROI Population (2002): 1,118,094
 ROI Employment (2002): 727,010
 Authorized Manpower (2005): 3,941
 Authorized Manpower(2005) / ROI Employment(2002): 0.54%
 Total Estimated Job Change: 125
 Total Estimated Job Change / ROI Employment(2002): 0.02%

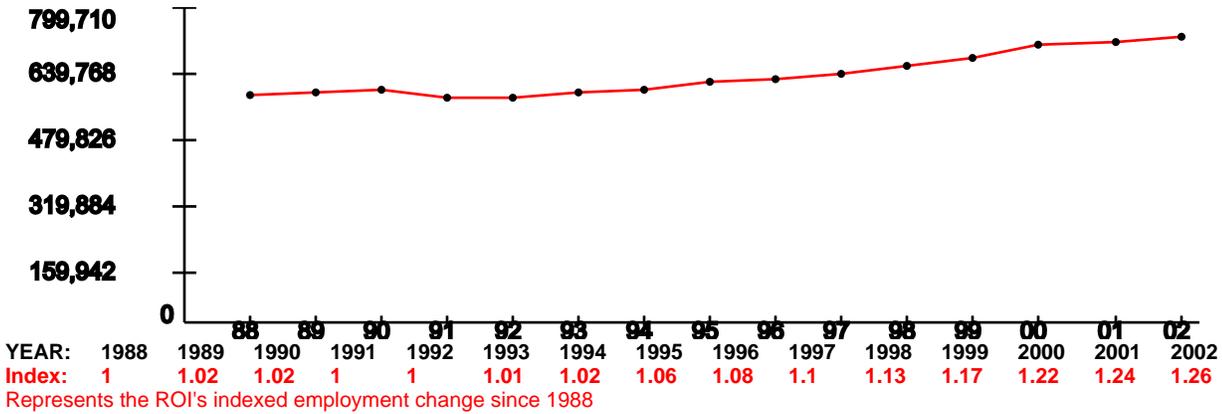
Cumulative Job Change (Gain/Loss) Over Time:



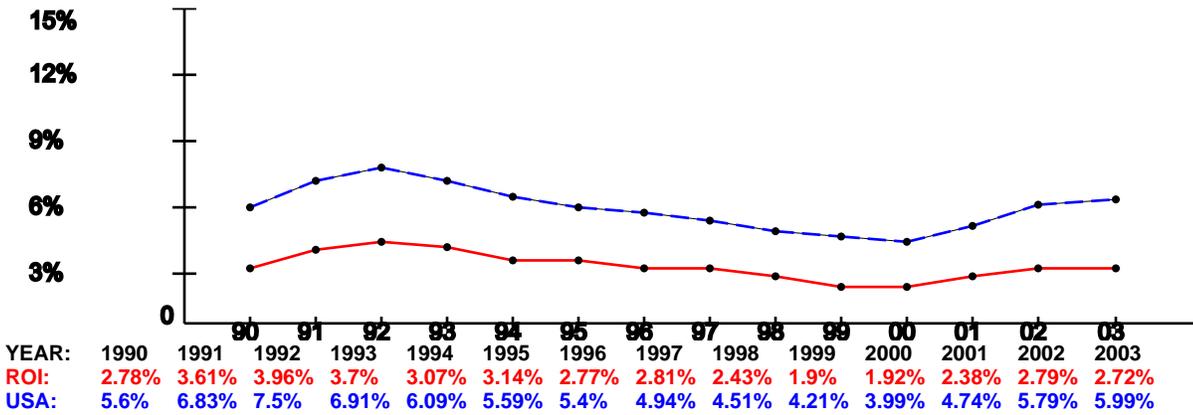
YEAR:	2006	2007	2008	2009	2010	2011
Direct Military:	0	0	0	9	0	0
Direct Civilian:	0	0	0	33	0	0
Direct Student:	0	0	0	0	0	0
Direct Contractor:	0	0	0	26	0	0
Cumulative Direct:	0	0	0	68	68	68
Cum Indir/Induc:	0	0	0	57	57	57
Cumulative Total:	0	0	0	125	125	125

Bethesda-Frederick-Gaithersburg, MD Metropolitan Division Trend Data

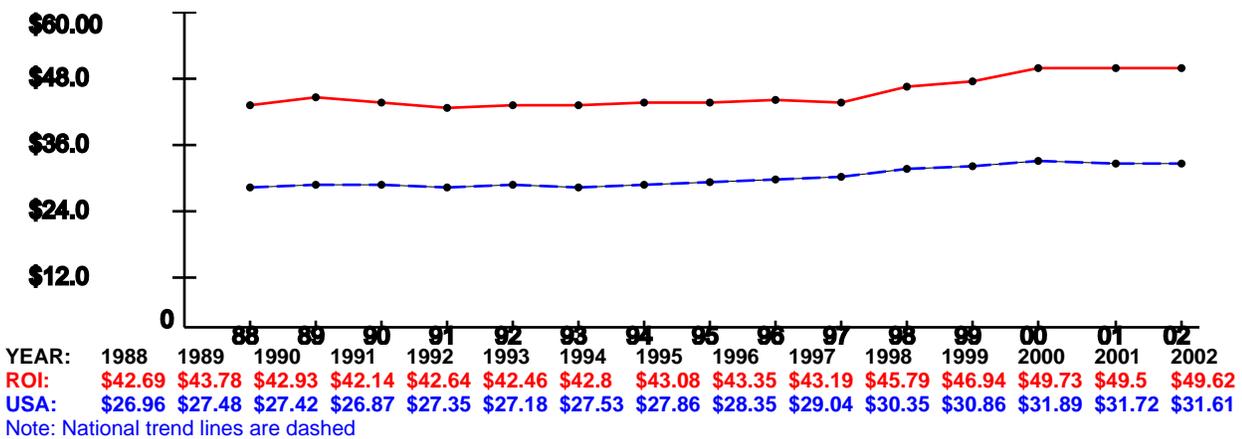
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



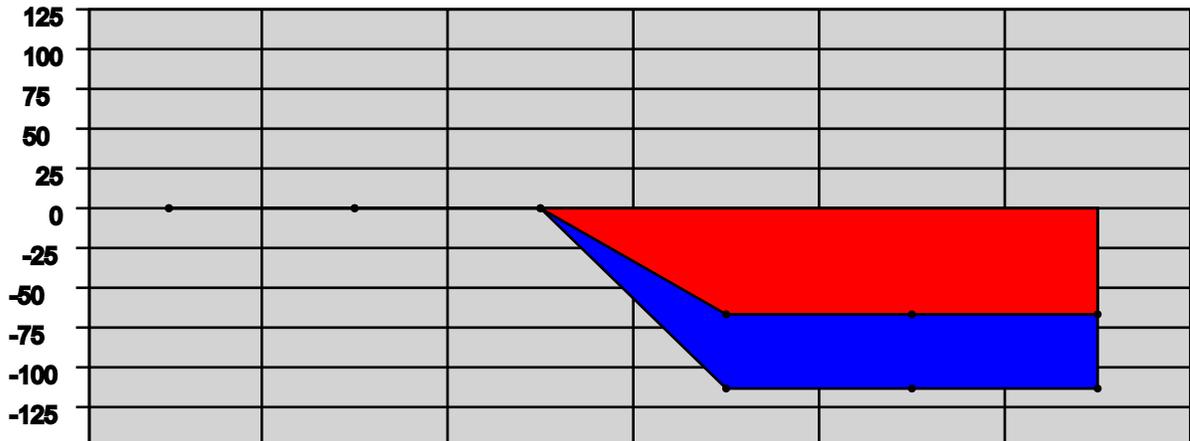
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
Economic Region of Influence(ROI): Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Division
Base: All Bases
Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

ROI Population (2002): 3,895,337
 ROI Employment (2002): 2,771,791
 Authorized Manpower (2005): 14,918
 Authorized Manpower(2005) / ROI Employment(2002): 0.54%
 Total Estimated Job Change: -116
 Total Estimated Job Change / ROI Employment(2002): -0%

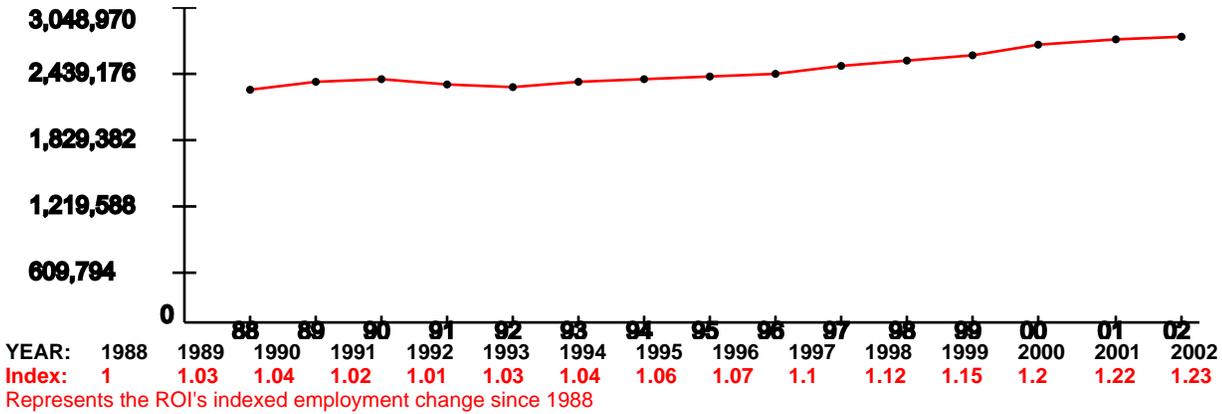
Cumulative Job Change (Gain/Loss) Over Time:



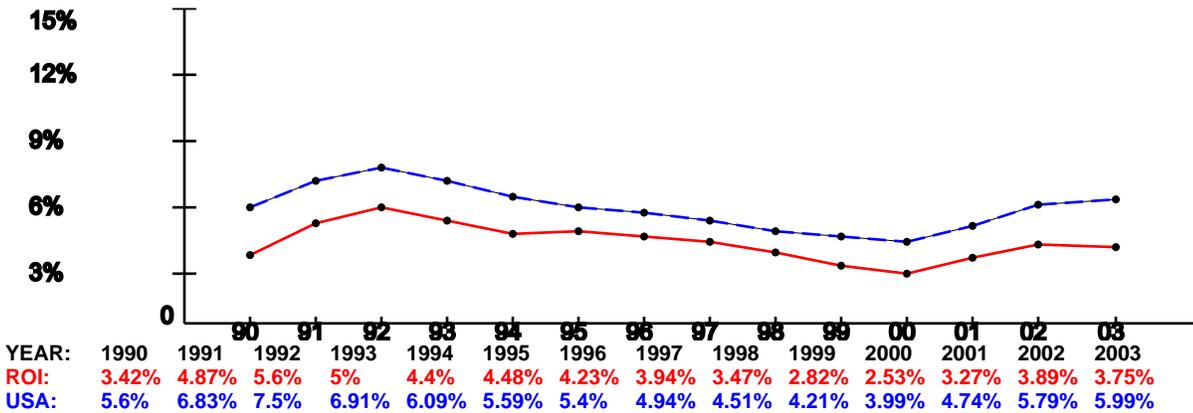
YEAR:	2006	2007	2008	2009	2010	2011
Direct Military:	0	0	0	-9	0	0
Direct Civllian:	0	0	0	-33	0	0
Direct Student:	0	0	0	0	0	0
Direct Contractor:	0	0	0	-26	0	0
Cumulative Direct:	0	0	0	-68	-68	-68
Cum Indir/Induc:	0	0	0	-48	-48	-48
Cumulative Total:	0	0	0	-116	-116	-116

Washington-Arlington-Alexandria, DC-VA-MD-WV Metropolitan Division Trend Data

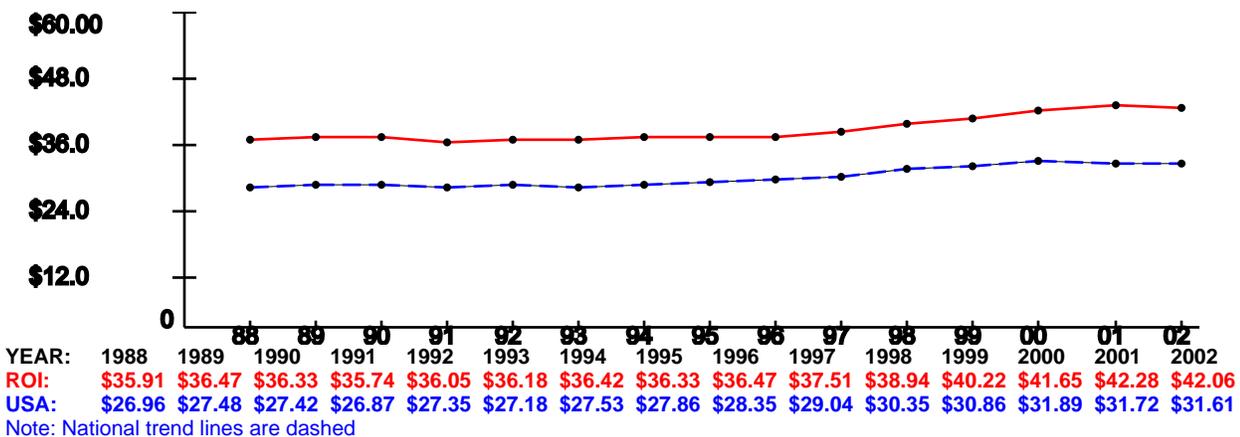
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



Per Capita Income x \$1,000 (1988-2002)



FORT DETRICK, MD;

64 Thomas Jefferson Dr, Frederick, MD

Demographics

The following tables provide a short description of the area near the installation/activity. FORT DETRICK is 48.3 miles from Washington, DC, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Washington DC MSA	4,923,153

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

County/City	Population
Frederick	195277
Washington	131923
Total	327,200

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 51

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.

Median Household Income	(US Avg \$41,994)	\$62,216	Basis: MSA
Median House Value	(US Avg \$119,600)	\$178,900	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,396	
In-state Tuition for Family Member		No	
In-state Tuition Continues if Member PCSs Out of State			

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers 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.

This document may contain information protected from disclosure by public law, regulations or orders.

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.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	274,468	5 of 5 districts
Students Enrolled	365,057	5 of 5 districts
Average Pupil/Teacher Ratio	22.9:1	5 of 5 districts
High School Students Enrolled	82,207	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	91.8%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)	1078	5 of 5 districts
Average ACT Score (US Avg 20.8)	5	2 of 5 districts
Available Graduate/PhD Programs	7	
Available Colleges and/or Universities	16	
Available Vocational and/or Technical Schools	3	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.6%	2.4%	3.1%	3.7%	3.5%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

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

	1999	2000	2001	2002	2003
Local Data	3.3%	3.0%	1.4%	1.0%	1.0%
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; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	94,577	Basis: MSA
Vacant Sale Units	19,464	
Vacant Rental Units	29,918	

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.

	# Physicians	# Beds	Population	
Local Community	15,810	9,163	4,923,153	Basis: MSA
Ratio	1:311	1:537		
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:

Local UCR	4,047.0	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.

Distance from FORT DETRICK to nearest commercial airport: 28.0 miles
 Is FORT DETRICK served by regularly scheduled public transportation? Yes

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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RELEASABLE UNDER FOIA

This document may contain information protected from disclosure by public law, regulations or orders.

COMNAVDIST_WASHINGTON_DC, DC

Proxy for: 800 Quincy Street, Arlington;

Potomac Annex, Naval Bureau of Medicine;

6801 Telegraph Rd, Alexandria, VA

Demographics

The following tables provide a short description of the area near the installation/activity.

COMNAVDIST_WASHINGTON_DC is within Washington, DC, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Washington, DC-MD-VA-WV PMSA	4,923,153

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

County/City	Population
Alexandria City	128283
Arlington	189453
District Of Columbia	572059
Fairfax	969749
Falls Church City	10377
Montgomery	873341
Prince George's	801515
Total	3,544,777

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 170

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.

Median Household Income	(US Avg \$41,994)	\$57,291	Basis: MSA
Median House Value	(US Avg \$119,600)	\$161,600	
GS Locality Pay	("Rest of US" 10.9%)	14.6%	
O-3 with Dependents BAH Rate		\$2,006	
In-state Tuition for Family Member		No	
In-state Tuition Continues if Member PCSs Out of State		No	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers 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.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	733,042	7 of 7 districts
Students Enrolled	531,782	7 of 7 districts
Average Pupil/Teacher Ratio	18.5:1	7 of 7 districts
High School Students Enrolled	158,850	7 of 7 districts
Average High School Graduation Rate (US Avg 67.3%)	86.9%	7 of 7 districts
Average Composite SAT I Score (US Avg 1026)	1016	7 of 7 districts
Average ACT Score (US Avg 20.8)	99999	7 of 7 districts
Available Graduate/PhD Programs	46	
Available Colleges and/or Universities	69	
Available Vocational and/or Technical Schools	29	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.6%	2.4%	3.1%	3.7%	3.5%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

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

	1999	2000	2001	2002	2003

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Local Data	3.3%	3.0%	1.6%	.9%	1.0%
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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; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	94,577	Basis: MSA
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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.

	# Physicians	# Beds	Population	
Local Community	9,031	15,667	4,923,153	Basis: MSA
Ratio	1:545	1:314		
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:

Local UCR	4,047.1	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.

Distance from COMNAVDIST_WASHINGTON_DC to nearest commercial airport: 3.7 miles
Is COMNAVDIST_WASHINGTON_DC served by regularly scheduled public transportation? Yes

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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SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS [TABS FINAL DRAFT]

SCENARIO # MED-0028

TITLE: ESTABLISH A JOINT BIOMEDICAL RESEARCH, DEVELOPMENT AND ACQUISITION MANAGEMENT CENTER

GENERAL DESCRIPTION: ESTABLISH A JOINT BIOMEDICAL RESEARCH, DEVELOPMENT AND ACQUISITION MANAGEMENT CENTER AT FORT DETRICK MD. REALIGN AIR FORCE MEDICAL SUPPORT AGENCY FROM LEASED SPACE IN THE NCR, REALIGN THE OFFICE OF THE CHIEF NAVAL RESEARCH FROM LEASED SPACE IN THE NCR TO FORT DETRICK, MD; REALIGN OFFICE OF THE CHIEF OF NAVAL RESEARCH, BIOMEDICAL PROGRAM MANAGEMENT FROM LEASED SPACE IN THE NCR TO FORT DETRICK, MD; REALIGN THE NAVAL BUREAU OF MEDICINE, CODE M2, FROM POTOMAC ANNEX TO FORT DETRICK, MD; REALIGN FORT BELVOIR BY RELCOATING THE NATIONAL CAPITAL ELEMENT, DTRA-CB SCIENCE AND TECHNOLOGY OFFICE (STO) (MEDICAL), DEFENSE THREAT REDUCTION AGENCY (DTRA) TO FORT DETRICK, MD; REALIGN THE JOINT PROGRAM EXECUTIVE OFFICE FOR CHEMICAL BIOLOGICAL DEFENSE (JPEO-CBD), JOINT PROJECT MANAGER FOR CHEMICAL BIOLOGICAL MEDICAL SYSTEMS (CBMS) FROM LEASED SPACE TO FORT DETRICK, MD.

NOTES:

1. 65 Federal Government Employees and 57 contractors moving to Fort Detrick with 29,050 of MILCON
2. 21 personnel leaving Joint Program Executive Office for Chemical Biological Defense (JPEO-CBD)

ANALYST: KARL MARKESET

DATE: FEBRUARY 23, 2005

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: Ft Detrick	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact Expected. Currently in Non-Attainment for O3. Added operations may exacerbate major source thresholds exceedance problems for NOx. An Air Conformity analysis will be required and New Source Review and permitting will be required.	#213 – Non-attainment for O3 (8-hour) per EPA website; no emission credits may be available, No SIP growth allowance #211 - Major source threshold already being exceeded for NOx and SO2, no other thresholds being exceeded assuming a 2% increase in population at Fort Detrick #220 - Major Operating Permit. #218/ISR - No mission impact indicated.
Cultural/Archeological/ Tribal Resources	5 Historic properties, 4 archeological sites, 2 archeological sites require special procedures if items are found during construction. Potential impacts may occur, since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	#230 – 5 historic properties, 4 archeological sites, 2 archeological sites restrict future construction at site, but no restrictions to tng/opns reported; #231 - No Native peoples sites; #232 - High Potential for arch. sites #233, 100% surveyed; #235- 5 historic properties #236 - No prog. agreement ISR2 - No adverse impact to mission.
Dredging	No Impacts	Dredging is not part of proposal and there are no impediments to dredging.
Land Use Constraints/Sensitive Resource Areas	No impacts	Buildable Acres – 6 acres required, 89 buildable acres available (assuming half of a small admin. organization building that typically houses 142 people) #201, 254, 256 - no restr. CERL – 35.4% (0-1 mile) moderate encroachment
Marine Resources	No Impacts	

Noise	No Impacts	#239 - No noise contours off-installation.
Threatened & Endangered Species/Critical Habitat	No Impacts	#249 No restrictions associated with TES, etc. #259 No TES, Candidate species, #260-262,264 - No habitat restrictions, no proposed critical habitat #263 – No candidate species; ISR2 shows no impact.
Waste Management	No Impacts. Incoming personnel will not require use of OB/OD area.	#265 No permitted TSD Facility. #269 No Subpart X Permit.
Water Resources	No Impact.	#276,278 – No restrictions #293 – Water use restrictions have been reported (2002) #824/825 indicates adequate water avail IREM – potable water infr. can support approx 2,000 more people – 122 personnel moving. #279 - Doesn't discharge to imp waterway. #282 – No industrial wastewater treatment plant
Wetlands	No Impacts.	#257 – 1.1% of installation has restricted wetlands – must also consider lead runoff from ranges into wetlands. Cannot expand installation.

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS FINAL DRAFT]

SCENARIO # MED-0028

Env Resource Area	<i> Losing Installation Assessment</i> Inst Name: Fort Belvoir, JPEO	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	Environmental Impact to losing installation is considered neutral or positive for all 10 resource areas.
Cultural/ Archeological Resources	No impact.	
Drinking	No impact.	
Land Use Constraints/Sensitive Resources	No impact.	
Marine Mammals/Marine Resources	No impact.	
Noise	No impact.	
Threatened & Endangered Species	No impact.	
Waste Management	No impact.	
Water Resources	No impact.	
Wetlands	No impact.	

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS FINAL DRAFT]

SCENARIO #MED-0028

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Fort Detrick	Losing Installation Inst Name: Fort Belvoir, JPEO
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	-Air Conformity Analysis - \$25K-\$75K -New Source Review Analysis and Permitting - \$100K-\$500K -Develop Programmatic Agreement - \$10,000 if not prepared in-house -Realignment NEPA at gaining base <1K pers -\$100K	None.
COBRA Costs:	Air Conformity Analysis - \$50K New Source Review - \$100K -Realignment NEPA EA <1K pers - \$100K	None.

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Summary of Scenario Environmental Impacts

MED scenario, MED-0028 Revision 1(DON installations only)

Action 1: Deleted by MJCSG.

Action 2: Co-locate medical program management functions at the Office of the Chief of Naval Research (CNR), Arlington, Quantico, VA with the U.S. Army Medical Research and Materiel Command at Fort Detrick, MD.

Action 3: Co-locate medical program management functions at the Bureau of Medicine (BUMED) Washington, DC with the U.S. Army Medical Research and Materiel Command at Fort Detrick, MD.

General Environmental Impacts

Environmental Resource Area	CNR Arlington, VA (Activity Realigned-Leased Spaced)	BUMED Washington DC (Installation Realigned)
Air Quality	No impact.	BUMED is severe nonattainment for 1 hour Ozone. No impact.
Cultural/Archeological/Tribal Resources	No impact.	Archeological and historic sites exist on the base. No impact.
Dredging	No impact.	No impact.
Land Use Constraints/Sensitive Resource Areas	No impact.	No impact.
Marine Mammals/Marine Resources/ Marine Sanctuaries	No impact.	No impact.
Noise	No impact.	No impact.
Threatened& Endangered Species/Critical Habitat	No impact.	No impact.
Waste Management	No impact.	Decrease in waste disposal.
Water Resources	No impact.	Decrease in water

3/15/2005

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		consumption
Wetlands	No impact.	No impact.

Impacts of Costs

Selection Criterion 8 Environmental Points	CNR Arlington, VA (Leased Spaced)	BUMED Washington DC (Installation Realigned)
Environmental Restoration	No DERA program in leased space.	No DERA program.
Waste Management	None	None
Environmental Compliance	None	None

3/15/2005

2