

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS [TABS WORKING DRAFT]**

**SCENARIO #463  
RDAT&E**

**TITLE: TECH-0005R ESTABLISH JOINT CENTERS FOR ROTARY WING**

**GENERAL DESCRIPTION:** Consolidate Rotary Wing RDAT&E into 1 core site at Redstone Arsenal.

Proposal Affects the following Army installations:

1. Ft Rucker loses approximately 100 personnel and Ft Eustis loses approximately 200 personnel.
2. Redstone Arsenal gains approximately 300 personnel and construction of approximately 212,000 SF - MILCON.

**ANALYST: COL CRABTREE**

**LAST UPDATE: 04/14/2005**

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: <u>Redstone</u>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	#213 – In Attainment for all Criteria Pollutants. #211 –No permit thresholds projected to be exceeded based on emissions expected from increasing Redstone's population and mission (2% pop incr). Substantial permit buffers exist at Redstone. #212- No exceedences reported for top 5 HAPs #220 – Has a Major Title V Permit (SIC code 9711) #218 – No restrictions reported ISR2 –AQM adversely impacting mission
Cultural/Archeological/Tribal Resources	346 Archeological/tribal/cultural sites identified, some of which restrict construction/training/testing/operations. 420 historic properties. 19 Native American tribes have asserted interest in installation’s archeological sites.  Minimal Impact expected, since installation is 96% surveyed, and required construction should be sited on available buildable acreage.  Cultural/archaeological resources already restrict operations. Additional operations may impact these resources, which may lead to restrictions on these impacts as well. A potential impact may occur as a result of increased time delays and negotiated restrictions. Potential impacts may occur, since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	#229 – Limitations to fee-simple ownership #230- 346 archeological resources identified, some restrictions reported #231- Sacred sites identified #232- Areas with high potential for archeological resources identified #233- Installation is 96% surveyed #235 - 420 historic properties on 2800 acres. #201 – No mission operations constraints. #234 – 19 Native American Tribes have asserted interest in installation’s archeological sites, currently in formal consultation #236 – No Programmatic Agreement however State MOA covers alteration renovation and or demolition of 398 buildings eligible for National Register
Dredging	No Impact.	#226, 227, 228 – N/A

Land Use Constraints/Sensitive Resource Areas	No impact.	#30 -3,229 Buildable Acres available, approximately 84 acres req'd, (Based on size of 1 small depot) #201, 254, 256 – No restrictions/coordination required. #256 – 2 Sensitive Resource Areas identified, coordination required but currently pose no restrictions CERL – moderate encroachment
Marine Mammals/Marine Res	No Impact	#248, 249, 250, 252, 253 – N/A
Noise	Increased noise from Aviation operations may result in operational restrictions on the installation. Further evaluation is required.	#239 - 693 Zone 3 acres and 4339 Zone 2 acres extend outside installation, which is moderately encroached by development.
Threatened & Endangered Species/Critical Habitat	Minimal impact expected. TES on installation include Prices potato bean ( <i>Apios priceano</i> ), Bald Eagle ( <i>Haliaeetus leucocephalus</i> ), Indiana Bat ( <i>Myotis sodalis</i> ), Gray Bat ( <i>Myotis grisescens</i> ), Alabama Cave Shrimp ( <i>Palaemonias alabamae</i> ) and American Alligator ( <i>Alligator mississippiensis</i> ). Federally listed species restrict <0.7% of land. Prices potato bean restricts 0.3% of land where vehicle use is restricted to existing roads and utilities maintenance in this area must be monitored by Environmental Office; and the Alabama Cave Shrimp restricts 0.4% of land in the Area immediately surrounding Bobcat Cave where access is closed to vehicles.	#259 – TES on installation include Prices potato bean ( <i>Apios priceano</i> ) (restricts .03% of land), Bald Eagle ( <i>Haliaeetus leucocephalus</i> ), Indiana Bat ( <i>Myotis sodalis</i> ), Gray Bat ( <i>Myotis grisescens</i> ), Alabama Cave Shrimp ( <i>Palaemonias alabamae</i> ) (restricts 0.4% of land) and American Alligator ( <i>Alligator mississippiensis</i> ).  #260, 261, 262, 263 - No critical habitat, no development restrictions, no candidate species, no Biological Opinion.  ISR- no restr to mission
Waste Management	No Impact.	#269 – Has RCRA Subpart X Permit. #265 – Has RCRA Permitted TSD facility #272 – Has permitted SWDF at 25% capacity
Water Resources	No impact.	#276 – Not in recharge zone of sole source aquifer #278 – Not subject to McCarren Amendmt #293 – No previous restrictions. IREM indicates water infrastructure can support 15,699 additional personnel #279 – Does not discharge into impaired waterway. #291 –2 on-installation gov't owned plants #297 – 1 on site wastewater treatment plt #282 – No industrial wastewater trmt plant
Wetlands	No impact. Wetlands already restrict operations. Additional operations may impact wetlands, which may lead to operations that are restricted.	#257 – Jurisdictional wetlands restrict 25% of installation where a permit is required for dredge and fill operations. #251 – Wetlands survey completed 03/02

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

**SCENARIO # 463**

Env Resource Area	#1 <i>Losing</i> Installation Assessment Inst Name: <b>Ft Rucker</b>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	Impact to losing installations is considered neutral or positive for all environmental areas.
Cultural/ Archeological Resources	No impact.	
Dredging	No impact.	
Land Use Constraints/Sensitive Resources	No impact.	
Marine Mammals/Marine Resources	No impact.	
Noise	No impact.	
Threatened & Endangered Species/Critical Habitat	No impact.	
Waste Management	No impact.	
Water Resources	No impact.	
Wetlands	No impact.	

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**SCENARIO # 463**

Env Resource Area	#2 <i>Losing</i> Installation Assessment Inst Name: <b>Ft Eustis</b>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	Impact to losing installations is considered neutral or positive for all environmental areas.
Cultural/ Archeological Resources	No impact.	
Dredging	No impact.	
Land Use Constraints/Sensitive Resources	No impact.	
Marine Mammals/Marine Resources	No impact.	
Noise	No impact.	
Threatened & Endangered Species/Critical Habitat	No impact.	
Waste Management	No impact.	
Water Resources	No impact.	
Wetlands	No impact.	

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

SCENARIO **463****IMPACTS OF COSTS**

Env Resource Area	Gaining Installation Inst Name: <b>Redstone Arsenal</b>	Losing Installation Inst Name: <b>Ft Rucker, Ft Eustis</b>
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	<ul style="list-style-type: none"> <li>-Re-alignment NEPA (EA - based on &lt;1K personnel) - \$100K.</li> <li>-Evaluation to determine if archeological/tribal site(s) are significant \$15K-\$40K per site.</li> <li>-Evaluation to determine if historic buildings/structures are significant -\$1K-\$2K per building</li> <li>-Develop PA -\$10K</li> <li>-Conduct Tribal govt to govt consultations - \$2K-\$10K per meeting.</li> <li>- Noise Analysis and Monitoring - \$5K - \$75K</li> <li>- ESA Consultation (BA Prep) \$10K-\$100K</li> <li>- Endangered Species Management (includes monitoring) \$20K-\$2M</li> </ul>	None.
<b>COBRA Costs:</b>	NEPA (EA) - \$100K. Noise Analysis and Monitoring - \$20K	None.