

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS [TABS FINAL VERSION]

SCENARIO # 657

TITLE: USA-0222 CLOSE Ft MCPHERSON

GENERAL DESCRIPTION: Close Ft McPherson. Relocate the HQs US Army Forces Command (FORSCOM), and HQs US Army Reserve Command (USARC) to Ft. Pope AFB. Relocate HQs 3rd US Army to Shaw AFB. Relocate the Installation Management Agency’s Southeast Region HQs and the NETCOM Southeast Region HQs to Ft. Eustis. Relocate the Army Contracting Agency Southern Region HQs to Ft. Sam Houston.

Proposal Affects the following Army installations:

1. Ft Sam Houston gains under 100 personnel and construction of approximately 1,000 SF MilCon.
2. Ft Eustis gains approximately 100 personnel and construction of approximately 9,000 SF MilCon.
4. Ft McPherson closes.

Note - Environmental assessments for Pope AFB and Shaw AFB are provided separately by USAF, and are not included in this document.

ANALYST: _____

LAST UPDATE: 4/11/05

Env Resource Area	#1 Gaining Installation Assessment Inst Name: Ft Sam Houston	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact Expected. Ft Sam Houston is Attainment area for all NAAQS, but operating permit for VOCs is projected to be exceeded. Air permit modification may be required.	#213 – in attainment for all NAAQS. #211 - Permit threshold for VOCs projected to be exceeded. - (based on 1% increase in Fort Sam Houston emissions) #220 - Minor Operating Permit (natural minor) #218/ISR - No mission impact indicated.
Cultural/Archeological/Tribal Resources	344 Archeological sites and 895 historic properties listed, with no restrictions on operations and/or training. 4 non-local tribes assert interest in archeological/sacred sites. Potential impact may occur since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs. A potential impact may occur as a result of increased time delays and negotiated restrictions.	#230 – 344 Archeological sites w/ no restrictions (Camp Bullis); #232 high potential for arch sites; #231 - No Native peoples sites; #233, 80% surveyed; #234 - 4 non-local tribes assert interest, in formal consultation #235- 895 historic properties #236 - No programmatic agreement ISR2 - No adverse impact to mission.
Dredging	No Impact.	#226, 227, 228 – N/A
Land Use Constraints/Sensitive Resource Areas	No Impact.	#30 - Buildable Acres – 1,176 acres available, 1/3 acre required (based on .04 Small Admin organizations) #201, 254, 256 - no restr. CERL Study – high encroachment projected
Marine Mammals/Marine Resources	No Impact.	#248, 249, 250, 252, 253 – N/A
Noise	No Impact.	#239 - No noise contours extend off-installation.

Threatened & Endangered Species/Critical Habitat	<p>5 Threatened Species exist on installation: Golden Checked warbler, Black-capped vireo, Madla's cave meshweaver, Rhadine exilis, Rhadine infernalis. Restrictions preclude noise and smoke within 100 meters of Golden Checked warbler and Black-capped vireo, and 100 meter restrictions around cave openings for Madla's cave meshweaver, Rhadine Exilis, and Rhadine Infernalis.</p> <p>Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.</p>	<p>#259 - 5 Threatened Species, with impact to range areas. Species listed are Golden Checked warbler, Black-capped vireo, Madla's cave meshweaver, Rhadine Exilis, Rhadine Infernalis.</p> <p>#260 No critical habitat</p> <p>#261- 3 Bio opinions; 1 imposes restrictions on water pumped from Edwards aquifer</p> <p>264 - No habitat restrictions, no proposed critical habitat</p> <p>#263 – No candidate species; ISR2 shows no impact.</p>
Waste Management	No impact.	<p>#269 – Has RCRA Subpart X OB/OD Permit, #265- Has RCRA (TSD) facility.</p> <p>#272 – Not a permitted solid waste disposal facility</p>
Water Resources	<p>Installation is located over or in the recharge zone of sole-source aquifer, which may result in future regulatory limitations on training activities.</p> <p>Water quality is impaired by pollutant loadings. Current operations may contribute to impaired water quality. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards.</p>	<p>#276- Located over recharge zone of sole-source aquifer</p> <p>#278 – Not subject to McCarren Amdmt</p> <p>#293 – Water use restrictions have been reported (2000, 2002) - water conservation</p> <p>#824/825 indicates adequate water avail</p> <p>IREM – potable water infr. can support approx 143,000 more people – 38 added</p> <p>#279 - Does discharge to impaired waterway, but does not impair the waterway.</p> <p>#291 –3 on-installation water production plants</p> <p>#297 – 2 on site dom ww treatment plants; 1 off-installation publicly-owned plant.</p> <p>#282 – No industrial wastewater trmt plant</p>
Wetlands	No Impact.	<p>#251 - Survey dated 9/1999</p> <p>#257 – 1% of installation has restricted wetlands</p>

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);**SCENARIO #657**

Env Resource Area	#2 <i>Gaining</i> Installation Assessment Inst Name: Ft Eustis	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact Expected. The receiving installation is in Non-attainment area for Ozone. Added operations will require New Source Review permitting and Air Conformity Analysis.	#213 – Non-attainment for O3(8 hr) #211 - No permit/Major Source thresholds projected to be exceeded (based on 1% increase of emissions at Ft Eustis). #220 -Synthetic Minor operating permit. #218/ISR2 - No mission impact indicated.
Cultural/Archeological/Tribal Resources	139 arch/cultural resources, but no restrictions to tng/operations/constr. 60 historic properties listed. Potential impact may occur since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	#230, 231,232 - 139 arch resources, but no restrictions to tng/opns reported; #233, 90% surveyed; #234 - No tribes assert interest; #235- 60 historic props; #236 - No programmatic agreement; ISR2 - no adverse impact to mission.
Dredging	No Impact	#228 - Reports dredging maintenance reqt, and spoil site has 25 years remaining. No impacts to dredging expected w/ proposal.
Land Use Constraints/Sensitive Resource Areas	No Impact	#30 - Buildable Acres – approx 500 acres available, approximately 2.7 req'd (based on .4 small admin buildings) #201, 254- no restr. #256 - 8 SRAs, no restr CERL Study – moderate encroachment projected
Marine Mammals	No Impact	#248, #249, #250, #252, #253 - No restrictions
Noise	No Impact	#239 - No noise contours off-installation.
Threatened& Endangered Species/Critical Habitat	Installation has Federally listed species (Bald Eagle), that restricts operations on <4% of installation land. Restrictions include 3.24 mile buffers around nest habitat and associated (aircraft) flight restrictions. Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.	#259 TES listed Bald Eagle, restr 3.1% of total installation land. #260-264 - No habitat/candidate species, no BO. ISR2 shows no impact.
Waste Management	No Impact	#269 No RCRA Subpart X Permit, none needed

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Water Resources</p>	<p>Installation currently discharges to an impaired waterway, and increased population and training activity may add to pollutant load. Mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards.</p>	<p>#276,278 No restr; #293 - 40 days restr in 2003 IREM - infr can support 92K more people, scenario adds 66 #279 - Discharges to 2 imp waterwys (does not impair them). #291 -2 off-installation public owned production plants #297 - 2 off-installation dom ww treatment plts #282 - 2 off-installation industrial ww treatment plts ISR2 - No adverse impact to mission</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Wetlands</p>	<p>No Impact</p>	<p>#251 - No survey date reported #257 - 25% wetlands, with permits req'd for constr, dredging, training.</p>

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);**SCENARIO #657**

Env Resource Area	<i>Losing Installation Assessment</i> Inst Name: Ft McPherson	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact.	#213 Non-Attainment for Ozone (8-hour).
Cultural/Archaeological/ Tribal Resources	48 historic properties. Surveys and consultation with the SHPO will be required to determine existence, disposition, and to ensure protection of any archeological or historical resources.	#230-232 - No Arch/cult sites identified - no restr #234 No Native People sites; no interest; #233 - 11% surveyed #235 48 Historic Properties listed #236 - Has Programmatic Agreement
Drinking	No impact	
Land Use Constraints/Sensitive Resource Areas	Special waste management areas at the installation include IRP sites, Munitions Response sites, and operational ranges. Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required after closure to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media.	DERP 2003 - MMRP CTC \$8.7M; #240 - IRP CTC \$121K DERP 2003 - 4 operational ranges, 2 small arms ranges (17.6 acres)- \$3.08M - \$29.3M
Marine Mammals/ Marine	No impact	
Noise	No impact	
Threatened & Endangered Species	No impact.	#259-264 - No TES/habitat/cand species
Waste Management	No impact.	#265 No RCRA TSD facility on site #269 No RCRA Subpart X Permit #272 No permitted solid waste disposal facility
Water Resources	Groundwater water contamination includes VOCs and POL. Restoration and/or monitoring, and access controls, of contaminated media may be required after closure in order to prevent significant long-term impact to the environment. Installation has domestic wastewater treatment plant that may require closure.	#275 - Groundwater contaminated with VOCs and Petroleum, oil, lubricants (POL) 281 - No surfacewater contamination. #822- Has domestic wastewater treatment plant #297 – 1 off-installation dom ww treatment plant; 1 on-installation dom ww treatment plant. #282 – no industrial ww treatment plts
Wetlands	No impact	

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);SCENARIO # **657****IMPACTS OF COSTS**

Env Resource Area	Gaining Installation Inst Name: Ft Sam Houston, Ft Lee	Losing Installation Inst Name: Ft McPherson
Environmental Restoration*	None	Cleanup; 6 operational ranges - \$3.08M - \$29.3M Cleanup Munitions Response sites \$8.7M; Cleanup IRP sites - \$121K
Waste Management	None	
Environmental Compliance	<p><u>Sam Houston:</u> -New Source Review permitting -\$100K-\$500K -Conduct Tribal gov't-to-gov't meetings\$500-\$2,000 per meeting -Develop PA -\$10K - Endangered Species Management (includes monitoring) \$20K-\$2M - Install Best Management Practices to protect impaired waterways and reduce source runoff from training areas and ranges. -NEPA - (EA) \$100K</p> <p><u>Eustis:</u> -Air Conformity Analysis - \$25K-\$75K -New Source Review - \$100K-\$500K -Develop PA -\$10K -Install Best Mgt Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges - \$100K - \$3M. -Endangered Species Management (includes monitoring) \$20K-\$2M -NEPA (EA) - \$100K</p>	<p>Environmental Baseline Survey (EBS) \$300K-500K.</p> <p>Land Use Controls (LUC) management/enforcement in perpetuity (occurs after transfer) - \$50K -\$100K</p> <p>Asbestos/Lead-based Paint Removal - \$200K - \$1M</p> <p>Access controls / caretaker management of historical/arch/cultural sites \$500K - 1M (annually).</p> <p>NEPA disposal EIS due to cultural resources</p>
COBRA Costs:	<p><u>Sam Houston:</u> New Source Review -\$100K NEPA - (EA) \$100K</p> <p><u>Ft. Eustis:</u> -Air Conformity Analysis - \$50K -New Source Review - \$100K - NEPA (EA) - \$100K</p> <p><u>Pope AFB</u> Reference Air Force SSEI "USA0112" FY06 NEPA cost: \$528K FY07 Minor Air Permit Revision \$50K</p> <p><u>Shaw AFB</u> Reference Air Force SSEI "USA0112" FY06 NEPA cost: \$192K</p>	EBS plus disposal EIS - \$1.3M.