

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS [TABS FINAL VERSION]**

**SCENARIO # HSA-0031**

**TITLE: HSA-0031 CONSOLIDATE CPOCs**

**GENERAL DESCRIPTION:** Realign Army installations by consolidating CPOCs into 3 regional civilian personnel offices at Ft Riley, Aberdeen Proving Ground, and Ft Huachuca.

**Notes:**

- 1. Ft Riley gains approximately 100 personnel and no MilCon.
- 1. Aberdeen PG gains approximately 100 personnel and no MilCon.
- 1. Ft Huachuca gains approximately 100 personnel and no MilCon.
- 1. Ft Richardson and Rock Island Arsenal lose personnel.

**ANALYST:** \_\_\_\_\_

**LAST UPDATE:** 4/2/05

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: <b>Ft Riley</b>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No Impacts. The receiving installation is in attainment for all NAAQS.	#213 – Attainment for all criteria pollutants #211 –No permit thresholds reported #220 -Has a Major Operating/Title V Permit #218/ISR2 - No restrictions
Cultural/Archeological/ Tribal Resources	232 Archeological/tribal/burial/sacred sites identified, some of which restrict training with a limitation on vehicle traffic and tactical digging. 295 historic properties. Five Native American tribes have asserted interest.  No impact expected due to no construction required with this recommendation.	#230-232 – Arch sites, Native People sites & high potential sites reported with restrictions on tactical digging and veh use in training/cantonment areas #233, 28% surveyed; #235- 295 historic properties #236 – Has prog agreement; #234 - 5 tribes assert interest, 2 in formal consultation. ISR2 - no adverse impact to mission.
Dr ed g- ing	No Impact	#226-228 – No restrictions
Land Use Constraints/Sensitive Resource Areas	No impact.	#30 - Buildable Acres - >2624 acres available without using housing /training land, none required. #201, 254, 256 - no restr/coordination required CERL Study – minimal encroachment projected
Mar ine Ma mm als/ Mar ine	No Impact	#248-253 – No restrictions
Noise	No Impact	#201-Live firing by active component unit is restricted (per installation command generated policy) between 0001 and 1200 hours on Sundays. Applies only to Active Component units, not to NG or RC units. #239 – 81 Noise Zone 2 acres and 14 Noise Zone 3 acres extend off-installation, which is minimally encroached by development.

Threatened & Endangered Species/Critical Habitat	<p>4 Federally listed species on installation, with some restrictions to 5% of land for Bald Eagle and Topeka Shiner (fish). Restrictions include limitations on public works projects during winter eagle roosting, and training controls next to Topeka Shiner streams, with tank trail maintenance and stream crossings limited during Topeka Shiner spawning season.</p> <p>No impact expected due to no construction required with this recommendation.</p>	<p>#259 lists 4 species with restrictions for two species – for the Bald Eagle, 2% land restricted; for Topeka Shiner, 3% of land restricted (trng controlled next to Topeka Shiner streams)</p> <p>#261- BO restricts tank trail maintenance and stream crossings during Topeka Shiner spawning season</p> <p>#260-262-264 - No critical habitat or candidate species restrictions</p>
Waste Management	No impact.	#269 Has RCRA Subpart X Permit
Water Resources	No impact.	<p>#276- Not over a recharge zone</p> <p>#278, 293 - No previous restrictions</p> <p>IREM - water infr can support 42K additional personnel</p> <p>#279 - Doesn't discharge to imp waterwy.</p> <p>#282 - 1 industrial ww plant</p> <p>#291 – Has 2 potable water production plants on-installation</p> <p>#297,822 – 4 domestic ww treatment plants on installation</p>
Wetlands	No impact.	#257 - No wetlands restrictions reported.

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);****SCENARIO # HSA-0031**

<b>Env Resource Area</b>	<b>#2 Gaining Installation Assessment Inst Name: <b>Aberdeen Proving Ground</b></b>	<b>Analyst Comments (&amp; data source(s) that drive assessment)</b>
<b>Air Quality</b>	<p>Impact Expected. APG is currently in Severe Non-Attainment area for Ozone.</p> <p>Added operations will require New Source Review permitting and Air Conformity Analysis.</p>	<p>#213, 219 – In Severe non-attainment for Ozone (EPA web site confirms non-attainment for Ozone 8-hour) #211- No permit limits reported; Major Source threshold for NOx is currently exceeded, and VOC is nearly exceeded. #220 – Holds 2 Major Operating Permits (SIC code 9711) #222 – Emissions Credit Trading program available for NOx and VOCs #218 – No restrictions to operations reported due to air quality requirements</p>
<b>Cultural/Archeological/Tribal Resources</b>	<p>78 Historic properties, 5 archeological resources identified to date and areas with high archeological potential, but no restrictions to mission reported. Five Native American Tribes have asserted interest. A very limited portion of the installation has been surveyed for cultural resources; therefore, the extent of the cultural resources on the installation and impacts to those resources is uncertain.</p> <p>No impact due to no new construction or training load added by this recommendation.</p>	<p>#230, 232 – 5 archaeological resources listed; no restrictions reported; high potential #231 – Native People sites identified #233- 2% of installation has been surveyed for cultural resources #234 – 5 tribes have assert interest in burial/sacred sites; in contact, but no formal consultation yet. #235 – 78 Historic properties identified #236 – No Programmatic Agreement</p>
<b>Dredging</b>	<p>No Impact.</p>	<p>#226 – If the new unit/activity requires dredging, then UXO and endangered species surveys may be required. #227 – If new unit/activity requires dredging, then dredging may not be able to occur in the short term due to known dredging impediments. #228 - N/A</p>
<b>Land Use Constraints/Sensitive Resource Areas</b>	<p>No Impact.</p>	<p>#30 – 2,863 buildable acres reported; None required. #201 - Constraints listed include (4) limited ability to accept new or different missions due to availability of unconstrained land, (5) altered, modified or re-routed flight operations and/or flight patterns and (6) altered, modified or re-routed ground operations. #256 – 4 Sensitive Resource Areas identified but cause no restrictions CERL Encroachment Study – Moderate Encroachment Projected</p>

Marine Mammals/Marine Resources/ Marine Sanctuaries	No impact.	#248, #250, #252, #253 - No restrictions #249 – TES listed include Shortnosed Sturgeon ( <i>Accipenser brevirostrum</i> ) (restricting Poole's Island Shoal waters around island) and Bald Eagle ( <i>Haliaeetus leucocephalus</i> ), (restricting Poole's Island areas near nest sites, APG Shoreline & Areas near nest sites- affecting 17.2 acres of installation)
Noise	No impact.	#239 – 235,848 acres of Noise Zone 2 extend outside installation, which is not highly encroached by development. #202 – Installation has published noise abatement procedures for main installation and training range but not for auxiliary airfield.
Threatened& Endangered Species/Critical Habitat	<p>Installation has Federally listed species (Shortnosed Sturgeon, Bald Eagle), that affect 17.2 acres of the installation and restricts night time flying operations (protection buffers around nests) on 7.9% of installation. Additional operations may further impact threatened/endangered species leading to additional restrictions on training or operations.</p> <p>No impact expected due to no construction or training load required with this recommendation.</p>	<p>#249, #259 – TES listed include Shortnosed Sturgeon (<i>Accipenser brevirostrum</i>) and Bald Eagle (<i>Haliaeetus leucocephalus</i>). The Bald Eagle has delayed operations due to protection of buffers around nests during nesting season on approximately 7.9% of installation. #260 – No critical habitat identified #261 – Biological Opinion for Bald Eagle restricts range operations #262 – Development restrictions reported. Eagles: Existing Biological Opinions have limited impacts as they impose a monitoring responsibility primarily; some sites are protected. The ongoing Biological Assessment and subsequent Opinion will include an incidental take statement and some mitigation limits for some of the SOCOM training functions is expected. The extent of the limits is unclear, as the BA is still in development. Sturgeon: APG has a BA and BO from NOAA containing no limitations. APG is to coordinate with them if specific projects pose a risk. #263, #264 – No candidate species/habitat reported #201/ISR2 - TES have restricted msn/opns by limiting night flying times.</p>
Waste Management	No impact.	<p>#269 – Interim RCRA Subpart X OB/OD Permit, Permit has been submitted #265- Installation has permitted hazardous waste RCRA Treatment Storage and Disposal (TSD) facility. #272 – No a permitted solid waste disposal facility ISR2 - HW Mgt issues adversely impact mission</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Water Resources</b></p>	<p>Water quality is impaired by pollutant loadings. 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 – Installation not located over a sole-source aquifer                  #278 – McCarren Amendment does not apply                  #279 –Installation discharges to impaired waterway; nutrient discharges from installation further impair waterway but is not a source of potable water.                  #293 – Potable water restrictions in FY99 (33 days), FY01 (134 days) and FY02 (147 days). Source restrictions to prevent exceeding withdrawal permits, FY99 (9% of time restriction in place), FY01 (37%), FY02 (40%)                  #291 – 1 Gov’t owned on-installation, and 1 public water treatment plant                  #297 – 2 Sewage treatment plants on site; 1 gov’t owned, 1 privatized.                  #282 – Industrial Gov’t owned ww treatment plant located on installation.                  #822, 824, 825, 826, ISR2 – no restrictions reported                  IREM indicates capacity for potable water to support 33,500 additional personnel</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Wetlands</b></p>	<p>No impact.</p>	<p>#251- Survey completed 04/92.                  #257 – Wetlands affect 0.3% of installation but do not restrict operations.                  ISR2 - wetlands adversely impact mission</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);****SCENARIO # HSA-0031**

Env Resource Area	#3 <i>Gaining</i> Installation Assessment Inst Name: <u>Ft Huachuca</u>	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact. Ft Huachuca is in attainment for all NAAQS.	#213 All NAAQS in attainment. #211- No permit or Major Source thresholds projected to be exceeded #220 - Synthetic & Natural Minor Op permits #218/ISR2 - No mission impact
Cultural/Archeological/Tribal Resources	328 Arch resources reported, with some restrictions to vehicular traffic in range areas. 68 historic resources reported. 11 Native American tribes assert an interest in archeological sites.  No impact expected due to no construction required with this recommendation.	#230, 232 - 328 Arch sites reported, which impose restrictions to off-road vehicle traffic; high potential reported #231 - Native People's sites reported #233 - 66% of installation surveyed #234 - 11 Native tribes assert interest in arch sites; in formal consultation #235 - 68 historic resources reported #236 - Has programmatic agreement. ISR2- Arch resource issues adversely impact the mission
Drudging	No Impact	#226-228 – No restrictions
Land Use Constraints/Sensitive Resource Areas	No Impact.	#30 - Buildable Acres - 645 available (645 excludes Tng,Hsg BA) - none required #256 - 4 SRAs, restr on ordnance & flight ops on ranges. CERL Encroachment Study – Moderate Encroachment Projected
Marine Mammals/Marine Resources	No Impact	#248-250, 252-253 – No restrictions
Noise	No impact. No noise expected from this recommendation.	#239 - No noise zone acres extend outside installation. ISR2 - Noise Mgt issues adversely impact the mission.

Threatened & Endangered Species/Critical Habitat	<p>Management of 5 Federally listed species cause restrictions to water use, off-road vehicle travel; pyrotechnic use; nighttime UAV operations and some live fire and field exercises from July 1 - November 15.</p> <p>No impact expected due to no construction or training load required with this recommendation.</p>	<p>#259, 261- 5 TES (Southwestern willow flycatcher, Sonora tiger salamander, Mexican Spotted Owl, Lesser long-nosed bat, Huachuca water umbel) with some restrictions to 10-20% of tng area. BO imposes restrictions affect off-road vehicle travel; pyrotechnic use; nighttime UAV operations and some live fire and field exercises from July 1 - November 15. The willow flycatcher and water umbel impose water use restrictions.</p> <p>#260 - Critical habitat exists for the Mexican Spotted Owl and Huachuca Water Umbel, with related restrictions.</p> <p>#262,264 - No habitat restr</p> <p>#263 - 3 candidate species, no restr</p> <p>ISR2 - TES issues adversely impact the mission.</p>
Waste Management	No impact.	#269 No RCRA Subpart X Permit
Water Resources	<p>Special restrictions or procedures are in place to significantly limit the production or distribution of potable water at the installation. Increased missions may result in additional restrictions or mitigation requirements.</p> <p>Minimal impact expected.</p>	<p>#276, 293 - No restrictions reported</p> <p>#278 - Subject to McCarren amendment (permits State courts to adjudicate Federal water rights claims under State law)</p> <p>#279 - Doesn't discharge to imp waterway</p> <p>#291 - 1 Gov't owned water treatment plant</p> <p>#297 - 1 gov't owned ww treatment plant</p> <p>#282 - No industrial ww treatment plant</p> <p>ISR2 - WW Mgt issues adversely impact the mission.</p>
Wetlands	No impact.	<p>#251- Survey completed 02/2000.</p> <p>#257 - Wetlands affect 1% of range but do not restrict operations.</p>

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

**SCENARIO # HSA-0031**

Env Resource Area	<b><i>Losing Installation Assessment</i></b> <b>Inst Name: <u>Fort Richardson, Rock Island Arsenal</u></b>	<b>Analyst Comments</b> (& data source(s) that drive assessment)
Air Quality	None.	Impact to losing installations is considered neutral or positive for all ten environmental resource areas.
Cultural/ Archeological Resources	None.	
Dredging	None.	
Land Use Constraints/Sensitive Resources	None.	
Marine Mammals/Marine Resources	None.	
Noise	None.	
Threatened & Endangered Species/Critical Habitat	None.	
Waste Management	None.	
Water Resources	None.	
Wetlands	None.	

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

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**IMPACTS OF COSTS**

Env Resource Area	Gaining Installation Inst Name: <u>Ft Riley, Aberdeen PG, Ft Huachuca</u>	Losing Installation Inst Name: <u>Ft Richardson &amp; Rock Island Arsenal</u>
Environmental Restoration*	None	None
Waste Management	None	None
Environmental Compliance	<p><u>Ft. Riley:</u>                      -Realignment NEPA -\$100K (EA)                      -Endangered Species Management (includes monitoring) \$20K-\$2M</p> <p><u>APG:</u>                      -Air Conformity Analysis - \$25K-\$75K                      -New Source Review Analysis and - Permitting - \$100K-\$500K                      -Archeological/tribal resources inventory - \$25-\$100 per acre.                      - Historical building/structure inventory - \$500 - \$1,500 per structure                      -Evaluation to determine if arch/tribal site is significant - \$15K - \$40K per site                      - Evaluation to determine if historic buildings/structures are significant.                      -Conduct Tribal government to government consultation \$500 to \$2,000 per meeting (TDY costs)                      -Develop Programmatic Agreement                      -Endangered Species Management (includes monitoring) \$20K-\$2M                      -Realignment NEPA (EA) \$100K.</p> <p><u>Ft Huachuca:</u>                      -Realignment NEPA (EA) \$100K.                      -Endangered Species Management (includes monitoring) \$20K-\$2M</p>	None

<p><b>COBRA Costs:</b></p>	<p><u>Ft Riley:</u> - Re-alignment NEPA (EA) - \$100K.</p> <p><u>APG:</u> Air Conformity Analysis - \$50K New Source Review - \$100K NEPA (EA) \$100K</p> <p><u>Ft Huachuca:</u> - Re-alignment NEPA (EA) - \$100K.</p>	<p>None.</p>
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