

SUMMARY OF CUMULATIVE ENVIRONMENTAL IMPACTS (SCEI) [TABS FINAL DRAFT]

SCEI #1

TITLE: SCEI FOR ABERDEEN PROVING GROUND

GENERAL DESCRIPTION: This cumulative assessment is based on the following scenarios:

INSTALLATION	CR	CR Description	Environmental
ABERDEEN	ET-0064	CSS Center	\$ -
ABERDEEN	HSA-0031	Realign RIA	\$ 12,461
ABERDEEN	HSA-0065	A TEC	\$ 42,463
ABERDEEN	HSA-0092R	Army Service Providers	\$ -
ABERDEEN	MED-0002R	Close WRAMC	\$ 2,903
ABERDEEN	MED-0028	Transform Medical	\$ 36,051
ABERDEEN	SS-0035R	Inventory Control Point	\$ 187,150
ABERDEEN	TECH-0009b	Research Service Led Labs	\$ 21,534
ABERDEEN	TECH-0052R	Army Land C4ISR	\$ 107,911
ABERDEEN	USA-0223	Close Monmouth	\$ 515,238
ABERDEEN	USA-0227	Close Soldier Systems Ctr	\$ 144,083
ABERDEEN	USA-0255	Close Adelphi	\$ 80,207
Cumulative Environmental Cost			\$ 1,150,000
Cumulative Personnel Change:			5,375
Cumulative Facilities Change (1000SF)			3,319

Note: The above reflect revised costs based on the integration of multiple scenarios at one base. These costs should be used for each recommendation above, under COBRA Screen Five, "Env Env Non-Milcon Req'd."

ANALYST: _____

LAST UPDATE: 4/19/2005

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: Aberdeen Proving Ground	Analyst Comments (& data source(s) that drive assessment)
Air Quality	<p>Impact Expected. APG is currently in Non-Attainment area for Ozone. Addition of operations may exceed major source thresholds for NOx and VOCs.</p> <p>A New Source Review and Air Conformity Analysis is required.</p>	<p>#213, 219 – In Severe non-attainment for Ozone (EPA web site confirms non-attainment for Ozone 8-hour)</p> <p>#211- No permit limits reported; Major Source threshold for VOC and NOx is projected to be exceeded.</p> <p>#220 – Holds 2 Major Operating Permits (SIC code 9711)</p> <p>#222 – Emissions Credit Trading program available for NOx and VOCs</p> <p>#218 – No restrictions to operations reported due to air quality requirements</p>

<p>Cultural/Archeological/Tribal Resources</p>	<p>78 Historic properties, 5 archeological resources identified to date and areas with high archeological potential, but no restrictions to mission reported.</p> <p>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. Potential impacts may occur, since resource must be evaluated on a case-by-case basis, thereby causing increased delays and costs</p> <p>Potential impacts may occur as result of increased times delays and negotiated restrictions, due to tribal government interest.</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>
<p>Dredging</p>	<p>No Impact. If the new unit/activity requires dredging, then UXO and endangered species surveys may be required.</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>
<p>Land Use Constraints/Sensitive Resource Areas</p>	<p>No Impact.</p> <p>Four SRAs identified but cause no restrictions.</p>	<p>#30 – 2,863 buildable acres reported; Approximately 304 acres required (based on 7 times the size of a Large Admin Org) #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>
<p>Marine Mammals/Marine Resources/ Marine Sanctuaries</p>	<p>No impact.</p>	<p>#248, #250, #252, #253 - No restrictions #249 – TES listed include Shortnosed Sturgeon (<i>Accipenser brevorostrum</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)</p>

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Noise</p>	<p>No impact. No noise expected to be generated by this proposal.</p>	<p>#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.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Threatened& Endangered Species/Critical Habitat</p>	<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.</p> <p>TES already restrict operations. Additional operations may further impact threatened/endangered species leading to additional restrictions on training or operations.</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>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Waste Management</p>	<p>No impact.</p>	<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);">Water Resources</p>	<p>Minimal impact expected.</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);">Wetlands</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);]

CSEI #1

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Aberdeen Proving Ground
Environmental Restoration*	None.
Waste Management	None.
Environmental Compliance	<ul style="list-style-type: none"> -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 -Install Best Management Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges - \$100K-\$3M -Realignment NEPA (EIS) -\$1M (based on cumulative nature of administrative realignments, construction of facilities and moving >4000 personnel to Aberdeen Proving Ground
COBRA Costs:	<ul style="list-style-type: none"> Air Conformity Analysis - \$50K New Source Review - \$100K NEPA (EIS) \$1M