

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0122V3 (316.3)

Brief Description: Close Pope AFB. The 43d Airlift Wing's C-130E aircraft (25 PAA) will be distributed to the 314th Airlift Wing, Little Rock AFB, Arkansas. Little Rock will retire C-130E aircraft (27 PAA); recode C-130E aircraft to BAI (8 PAA); and distribute C-130J aircraft to the 143d Airlift Wing (ANG), Quonset State Airport AGS, Rhode Island (1 PAA) and 146th Airlift Wing (ANG), Channel Islands AGS, California (2 PAA). At Little Rock, C-130J aircraft (4 PAA) will transfer from the 314 AW to the 189th Airlift Wing (ANG). The 23d Fighter Group's A-10 aircraft (36 PAA) at Pope will be distributed to Moody AFB, Georgia. The AFRC Aerial Port at Pope will remain in place as a tenant to the Army. Additional Air Force elements will remain in place at Fort Bragg as an Army tenant to support Army requirements. Fort Bragg will also host a Reserve C-130 unit (16 PAA) with an active duty association at a 50/50 mix (AFRC/AD). Real property accountability of Pope AFB will be transferred to the Army.

<u>General Environmental Impacts</u>	
Environmental Resource Area	Pope (Losing)
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No impact
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact
Water Resources	No impact
Wetlands	No impact

<u>Impacts of Costs</u>	
	Pope AFB (Losing)
Environmental Restoration	DERA money spent through FY03 (\$K): 15,401 Estimated CTC (\$K): 9,661 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$281K FY07 Minor air permit revision: Scenario \$0K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Little Rock (Gaining)
Air Quality	An air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Sensitive resource areas exist but do not constrain operations. Additional operations may impact constraining factors and therefore restrict operations. Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, & current noise levels. The area surrounding the base is not zoned by the local community, and easements have not been purchased for developed or undeveloped land.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	Modification of hazardous waste program may be required.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 2.3% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Little Rock (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 26731 Estimated CTC (\$K): 24511 DO NOT ENTER IN COBRA
Waste Management	Modification of Waste Program: Scenario \$37K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$288K / Cumulative \$776K FY07 Air Permit Revision: \$37K Scenario / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Quonset State (Gaining)
Air Quality	An initial conformity analysis shows that a conformity determination is not needed.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The installation does not have an AICUZ or Part 150, and the Installation Environmental Noise Management Plan (IENMP) does not reflect current mission and noise contours. The IENMP may need to be updated to reflect the change in mission.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands do not exist. No impact.

<u>Impacts of Costs</u>

	Quonset State (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 20 Estimated CTC (\$K): 0 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY07 Air Conformity Analysis: Scenario \$10K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Channel Islands (Gaining)
Air Quality	A preliminary conformity analysis shows that a conformity determination is not needed. San Rafael Wilderness Area, a critical air quality region, is within 100 miles of the installation, but it does not restrict operations.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Sensitive resource areas exist but do not constrain operations. Additional operations may impact these areas and may constrain operations.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission/local land use/current noise levels. 5677 acres off-base within the noise contours are zoned by the local community. Noise contours do not affect off-base residential zoning in the local community. The community has not purchased easements for the area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	No impact
Water Resources	No impact
Wetlands	A wetlands survey may need to be conducted to determine impact.

<u>Impacts of Costs</u>

	Channel Islands (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 0 Estimated CTC (\$K): 0 DO NOT ENTER IN COBRA
Waste Management	None
Environmental Compliance	FY07 Air Conformity Analysis Scenario \$0K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Moody (Gaining)
Air Quality	An air permit revision may be needed. A critical air quality region, Okefenokee Nat'l Wildlife Refuge is located within 100 miles of the base; however, this does not constrain operations.
Cultural/ Archeological/ Tribal Resources	The installation contains 65 archaeological sites; 6 constrain current construction, future construction, and training/testing operations by requiring pre-impact consultation. The base has been in formal consultation with 10 Native American tribes who are interested archaeological sites. One historic property is present. Additional operations may impact these sites/properties, which may constrain operations.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Operations are already restricted because of non-DoD laws, regulations, or policies at the main installation and the training range. Two acres and groundwater have been restricted because of the Burma Road Landfill, which has a benzene groundwater plume that is located within 0.038 miles of the installation. Two sensitive resource areas are present; one, the Banks Lake National Wildlife Refuge restricts base and range ops by requiring an altitude above the refuge of at least 1,500 ft AGL. Additional operations may further impact these constraining factors and therefore further restrict operations.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact

Noise	Noise contours will need to be re-evaluated as a result of the change in mission. Noise abatement procedures are already in place. The AICUZ reflects the current mission/local land use/current noise levels, and has been adopted for local land use planning. 12,127 acres off-base within the noise contours are zoned by the local community. 96 of these acres are residentially zoned. The community has not purchased easements for the area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	One T&E species on the main installation and one T&E species on the range already restrict operations. In addition, two Biological Opinions are in place for the Gulf of Mexico water training area (marine turtles) and Bemiss Field/C-130 Drop Zone (eastern indigo snake). Additional operations may impact T&E species. In addition, the Biological Opinions will need to be evaluated to ensure the scenario conforms to them.
Waste Management	Modification of the hazardous waste program may be required.
Water Resources	The state requires a permit for withdrawal of groundwater. Modification of on-installation treatment works may be necessary.
Wetlands	Wetlands restrict 31% of the base and 43% of the range. Wetlands already restrict construction operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Moody (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 42,962 Estimated CTC (\$K): 50,384 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program Modification: \$75K Scenario / \$100K Cumulative
Environmental Compliance	FY06 NEPA cost: Scenario \$583K / Cumulative \$776K FY07 Significant Air Permit Revision: Scenario \$75K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Columbus (Gaining)
Air Quality	Columbus is in area that is in attainment for all criteria pollutants. A significant air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Columbus contains a historic district as well as cemeteries that may impact future development.
Dredging	No impact.
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Noise contours will need to be re-evaluated as a result of the change in mission. The AICUZ reflects the current mission, local land use, current noise levels. 8148 acres off-base within the noise contours are zoned by the local community. 6880 of these acres are residentially zoned.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected
Waste Management	Modification of the hazardous waste program may be necessary.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 4% of the base. Wetlands already restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Columbus (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 12779 Estimated CTC (\$K): 9042 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$318K FY07 Significant Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Laughlin (Gaining)
Air Quality	Laughlin is in area that is in attainment for all criteria pollutants. A significant air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Laughlin contains archeological sites and areas with a high potential for archeological sites that constrain operations and that have the potential to impact future development.
Dredging	No impact.
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Noise contours will need to be re-evaluated as a result of the change in mission. The AICUZ reflects the current mission, local land use, current noise levels. 7403 acres off-base within the noise contours are zoned by the local community. 49 of these acres are residentially zoned.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	Modification of the hazardous waste program may be necessary.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands restrict 4% of the base. Wetlands already restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Laughlin (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 12576 Estimated CTC (\$K): 9912 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$318K FY07 Significant Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Randolph (Gaining)
Air Quality	An air permit revision may be needed.
Cultural/ Archeological/ Tribal Resources	An historic district is located on the installation. Additional operations may impact this district, which may impact operations.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development. The base cannot expand ESQD Arcs by ≥ 100 feet without a waiver, which may lower the safety of the base if operations are added.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 6,994 acres off-base within the noise contours are zoned by the local community. 1,965 of these acres are residentially zoned. The community has not purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	A Biological Opinion exists for the aquifer that lies below the installation; however, no T&E species or critical habitat has been identified, and the biological opinion does not restrict operations. Additional operations may impact this resource. In addition, the Biological Opinion will need to be evaluated to ensure the scenario conforms to it.
Waste Management	A modification of the hazardous waste program may be needed.
Water Resources	No impact
Wetlands	No impact

<u>Impacts of Costs</u>	
	Randolph (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 6367 Estimated CTC (\$K): 5547 DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Management: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$318K FY07 Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Sheppard (Gaining)
Air Quality	Sheppard is in area that is in attainment for all criteria pollutants.
Cultural/ Archeological/ Tribal Resources	Sheppard contains historic property that may be impacted by future development.
Dredging	No impact.
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, and current noise levels. 10,390 acres off-base within the noise contours are zoned by the local community. 10 of these acres are residentially zoned.
Threatened& Endangered Species/ Critical Habitat	T&E species and/or critical habitats exist but don't impact operations. Additional operations may impact T&E species and/or critical habitats.
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands restrict less than 1% of the base. Wetlands do not currently restrict operations. Additional operations may impact

	wetlands, which may restrict operations.
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<u>Impacts of Costs</u>	
	Sheppard (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 12779 Estimated CTC (\$K): 9042 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$281K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Vance (Gaining)
Air Quality	Vance is in area that is in attainment for all criteria pollutants. An air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ reflects the current mission, local land use, current noise levels. 26585 acres off-base within the noise contours are zoned by the local community. 345 of these acres are residentially zoned.
Threatened& Endangered Species/ Critical Habitat	No T&E species or critical habitats exist. No impact to T&E species is expected.
Waste Management	Modification of the hazardous waste program may be necessary.
Water Resources	No impact
Wetlands	Wetlands restrict 0.3% of auxiliary airfield land. Wetlands do not currently restrict operations. Additional operations may

	impact wetlands, which may restrict operations.
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<u>Impacts of Costs</u>	
	Vance (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 28,601 Estimated CTC (\$K): 16,011 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$318K FY07 Air Permit Revision: Scenario \$0K / Cumulative \$100K