

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0054V3 (132.2c3)

Brief Description: Realign Mountain Home AFB, ID

<u>General Environmental Impacts</u>	
Environmental Resource Area	Mountain Home
Air Quality	The installation is located within 100 miles of Sawtooth Wilderness Area, a critical air quality region. This does not restrict operations.
Cultural/ Archeological/ Tribal Resources	Sites or areas with high potential for archeological sites were identified. The base is currently in formal consultation with two Native American Tribes that have asserted an interest in the military installation for the purposes of the National Historic Preservation Act or other required consultation activities. The sites are local to the installation. The base has nine historic properties on the installation and four historic properties on a range that are not in historic districts.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Training and/or RDT&E Ranges are constrained by the laws, regulations, or policies enforced by, or the activities of non-DoD federal, tribal, state or local agencies (Dept of Interior, Dept of Conservation, etc.) or their land. The training range is impacted by three operational constraints because of T&E species. This constraint has resulted in altered, modified, or re-routed flight operations and/or flight patterns. The limitation lasts from May to November, is effective 24 hours per day, and effects 246.49 square miles of air space and 12,000 acres of land. The base has three training/testing/operational areas restricted by Sensitive Resource Areas. For the first, a 246 square mile area is closed to USAF use 60 days a year for cattle grazing, range maintenance, and environmental/cultural work. For the second, a 500 square mile area is restricted below 1000' AGL or 5000' AGL from April to June. For the third, a 300 square mile area is restricted below 1000' or 5000' AGL from April to June. Additional operations may further impact these constraints and therefore further constrain 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. The AICUZ reflects the current mission, local land use, and current noise levels. 11,725 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 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	Wetlands restrict 0.005% of the military installation and 0.04% of the range. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Mountain Home
Environmental Restoration	DERA money spent through FY03 (\$K): 10,165 Estimated CTC (\$K): 15,902 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	Nellis
Air Quality	A preliminary conformity analysis shows that a conformity determination may be required. A more in-depth review is required. The inability to achieve a positive conformity determination may be a constraint to this scenario. Air emission offsets may be required. The installation is located within 100 miles of the Grand Canyon, a critical air quality region. This causes no air quality restrictions. A significant air permit revision may be necessary.
Cultural/ Archeological/ Tribal Resources	Sites or areas with high potential for archeological sites were identified. The base is currently in formal consultation with 16 Native American Tribes that have asserted an interest in the

	military installation for the purposes of the National Historic Preservation Act or other required consultation activities. The sacred, archeological, and burial sites are local to the installation.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The Desert National Wildlife Range restricts range operations ground activities above 4,000 ft MSL via MOU with US Fish and Wildlife Service. This restricts 20% of the range land. Four factors were identified at the Nevada Test and Training Range that constrain operations. Three of the operational constraints last two weeks per year, and the fourth constraint lasts one week per year. The four constraints are of the following type: Unable to complete training requirements at home installation and must go TDY. One factor was identified at Nellis that constrains operations for two weeks per year. The constraint is of the following type: Unable to complete training requirements at home installation and must go TDY. 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, and current noise levels. 11,920 acres off-base within the noise contours are zoned by the local community. 1,060 of these acres are residentially zoned. The community has not purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	T&E species and/or critical habitats already restrict operations with a Biological Opinion. Additional operations may impact T&E species and/or critical habitats. In addition, the Biological Opinion will need to be evaluated to ensure the scenario conforms to it.
Waste Management	Modification of hazardous waste program is needed.
Water Resources	No impact
Wetlands	Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Nellis
Environmental Restoration	DERA money spent through FY03 (\$K): 43,187 Estimated CTC (\$K): 29,177

	DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Program Modification: Scenario \$28K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$88K / Cumulative \$318K FY07 Air Conformity Analysis: Scenario \$14K / Cumulative \$50K FY07 Air Conformity Determination: Scenario \$28K / Cumulative \$100K FY07 Significant Air Permit Revision: Scenario \$83K / Cumulative \$300K FY07 Air Emission offsets: Scenario \$1,016K / Cumulative \$3,691K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Jacksonville
Air Quality	The installation is in attainment for all pollutants. An air permit revision may be needed. The installation is located within 100 miles of Okefenokee Wilderness Area (GA), a critical air quality region. This does not restrict operations.
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. 275 acres off-base within the noise contours are zoned by the local community. 10 of these acres are residentially zoned. The community has purchased easements for 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	Modification of the waste program may be needed.
Water Resources	No impact
Wetlands	Wetlands Survey may need to be conducted to determine impact. Wetlands restrict 20% of the base. Wetlands already restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Jacksonville
Environmental Restoration	DERA money spent through FY03 (\$K): 2,235 Estimated CTC (\$K): 4,637 DO NOT ENTER IN COBRA
Waste Management	FY07 Waste Management Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA: Scenario \$94K / Cumulative \$281K FY07 Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	McEntire
Air Quality	Base is in area that is in attainment for all pollutants.
Cultural/ Archeological/ Tribal Resources	Archaeological resources exist on the installation but do not impact operations. Additional operations may impact these resources.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	A sensitive resource area exists and impacts operations by requiring aircraft fly above 2000 ft over the area. Additional operations may further impact this area.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	Less than a 3dB general increase in contours can be expected. The AICUZ/JLUS reflects the current mission/local land use/current noise levels. 5434 acres off-base within the noise contours are zoned by the local community. 2423 of these acres are residentially zoned. The community has purchased easements on undeveloped land 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	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands Survey may need to be conducted to determine impact. Wetlands restrict 7.4% 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>	
	McEntire
Environmental Restoration	DERA money spent through FY03 (\$K): 2298 Estimated CTC (\$K): 989 DO NOT ENTER IN COBRA
Waste Management	None
Environmental Compliance	FY06 NEPA Documentation: Scenario \$281K / Cumulative \$281K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Shaw AFB (Gaining)
Air Quality	The Francis Marion & Sumter National Forest, a critical air quality region, is within 100 miles of the installation but does not constrain operations. A significant air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Archaeological resources are present and the installation has a high potential for having archaeological sites, but these do not constrain operations. The installation has a historic property, but it does not constrain operations. Additional operations could affect this site, which may impact operations.
Dredging	No Impact
Land Use Constraints/ Sensitive Resource Areas	The scenario may require construction on property whose planned land use is other than administrative.
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No increase in off-base noise is expected.
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	Modification of hazardous waste program may be necessary.
Water Resources	No impact

Wetlands	Wetlands restrict 2% of the base and 10% of the range. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.
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<u>Impacts of Costs</u>	
	Shaw AFB (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 53598 Estimated CTC (\$K): 27143 DO NOT ENTER IN COBRA
Waste Management	FY07 Modify Waste Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA: Scenario \$11K / Cumulative \$192K FY07 Significant Air Permit Revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Tulsa
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The base reported 0.93 acres of unconstrained land available for development. The scenario may require building on constrained acreage. 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 FAA Part 150 reflects the current mission, local land use, and current noise levels. 3,164 acres off-base within the noise contours are zoned by the local community. 322 of these acres are residentially zoned. The community has purchased easements for area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	No impact

Water Resources	No impact
Wetlands	Wetlands Survey may need to be conducted to determine impact.

<u>Impacts of Costs</u>	
	Tulsa
Environmental Restoration	DERA money spent through FY03 (\$K): 870 Estimated CTC (\$K): 26 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	Fresno
Air Quality	An initial conformity analysis indicates that a conformity determination is not needed. Three critical air quality regions are located within 100 miles of the installation but do not restrict operations.
Cultural/ Archeological/ Tribal Resources	No impact
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The policies enforced by non-DoD govt. agencies or their land constrain the installation's mission operations. No elaboration is provided. 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 FAA Part 150 reflects the current mission/local land use/current noise levels. 3115 acres off-base within the noise contours are zoned by the local community. 1463 of these acres are residentially zoned. The community has purchased easements on developed but not undeveloped land 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>	
	Fresno
Environmental Restoration	DERA money spent through FY03 (\$K): 3713 Estimated CTC (\$K): 1302 DO NOT ENTER IN COBRA
Waste Management	None
Environmental Compliance	FY06 NEPA cost: Scenario \$69K / Cumulative \$281K FY07 Air Conformity Analysis: Scenario \$12K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Elmendorf
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
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<u>Impacts of Costs</u>	
	Elmendorf
Environmental Restoration	DERA money spent through FY03 (\$K): 74,360 Estimated CTC (\$K): 49,604 DO NOT ENTER IN COBRA
Waste Management	FY07 Hazardous Waste Program: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$0K / Cumulative \$776K FY07 Air Permit Revision: Scenario \$0K / Cumulative \$100K