

Summary of Scenario Environmental Impacts - Criterion 8

Scenario ID#: USAF 0117V3 (420c4)

Brief Description: Realign Grand Forks AFB, ND (partial property disposal anticipated).

<u>General Environmental Impacts</u>	
Environmental Resource Area	Grand Forks (Losing - Property Disposal Possible)
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	The installation contains historic property, which may require consultation with the state historic preservation office prior to any transfer of property.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	No increase in off-base noise is expected.
Threatened& Endangered Species/ Critical Habitat	No impact
Waste Management	The installation has a permitted inert solid waste disposal facility that may require closure prior to any transfer of property.
Water Resources	Closure or modification of on-installation sewage treatment plant may be necessary.
Wetlands	No impact

<u>Impacts of Costs</u>	
Grand Forks (Losing - property disposal possible)	
Environmental Restoration	DERA money spent through FY03 (\$K): 11,511 Estimated CTC (\$K): 6,140 DO NOT ENTER IN COBRA Decision makers should be aware that the realignment decision contemplated in this scenario may necessitate the closure of a range and the remediation of any munitions contaminants on the range. The cost and time required to remediate the range is uncertain and may be significant, potentially limiting near-term reuse of the range portion of the facility.

Waste Management	No impact
Environmental Compliance	No impact

<u>General Environmental Impacts</u>	
Environmental Resource Area	Scott AFB (Gaining)
Air Quality	An preliminary assessment indicates that a conformity determination may not be necessary.
Cultural/ Archeological/ Tribal Resources	Scott AFB has a 79-acre historic district that may be impacted by future development.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	The base uses safety waivers and exemptions to accomplish the mission. Additional operations may compound the need for safety waivers. 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	No increase in off-base noise is expected.
Threatened& Endangered Species/ Critical Habitat	T&E species and/or critical habitats exist and impact operations. Additional operations may further impact T&E species and/or critical habitats.
Waste Management	No impact
Water Resources	The state requires a permit for withdrawal of groundwater. Modification of on-installation treatment works may be necessary.
Wetlands	No impact

<u>Impacts of Costs</u>	
Scott (Gaining)	
Environmental Restoration	DERA money spent through FY03 (\$K): 10425 Estimated CTC (\$K): 167222 DO NOT ENTER IN COBRA

Waste Management	No impact
Environmental Compliance	FY06 NEPA: Scenario \$219K / Cumulative \$281K FY07 Conformity Analysis: Scenario \$39K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Seymour Johnson (Gaining)
Air Quality	Base is in attainment for all criteria pollutants. Significant air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Archaeological sites are present and there is a high potential for other archaeological sites, but they do not constrain operations. Additional operations may impact these sites.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	Operations are already restricted because of wetlands at the Dare Bomb Range, which limits the base's ability to accept new missions. Sensitive resource areas are present, but do not constrain operations. Additional operations may further impact constraining factors and therefore further 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. 12287 acres off-base within the noise contours are zoned by the local community. 674 of these acres are residentially zoned. The community has not purchased easements for the area surrounding the installation.
Threatened & Endangered Species/ Critical Habitat	Three T&E species exist but don't impact operations. Additional operations may impact T&E species.
Waste Management	Modification of the hazardous waste program may be required.
Water Resources	No impact
Wetlands	Wetlands restrict 6% of the base and 96% of the range. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

Impacts of Costs

	Seymour Johnson
Environmental Restoration	DERA money spent through FY03 (\$K): 18309 Estimated CTC (\$K): 21986 DO NOT ENTER IN COBRA
Waste Management	Waste program modification: Scenario \$0K / Cumulative \$100K
Environmental Compliance	FY06 NEPA cost: Scenario \$274K / Cumulative \$281K FY07 Significant air permit revision: Scenario \$0K / Cumulative \$100K

<u>General Environmental Impacts</u>	
Environmental Resource Area	MacDill (Gaining)
Air Quality	MacDill is in a maintenance area for Ozone (1-hr). An initial conformity analysis indicates that a conformity determination may not be needed.
Cultural/ Archeological/ Tribal Resources	Two archeological sites may impact the proposed actions. Current and future construction is constrained within the sites. Three Native American organizations have asserted an interest in burial site(s) and re-internment of Native American remains. Interaction with these Native American organizations is rare. The base has two historic districts totaling 80 acres that are comprised of 41 contributing resources. There are also two historic properties not in districts.
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. 789 acres off-base within the noise contours are zoned by the local community. 393 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 exist but don't impact operations. Additional operations may impact T&E species and/or critical habitats.

Waste Management	No impact.
Water Resources	Potable water controls/restrictions were implemented on 1,825 days from FY99 though FY03. Modification of on-installation treatment works may be necessary.
Wetlands	Wetlands make up 20% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	MacDill (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 36,310 Estimated CTC (\$K): 61,630 DO NOT ENTER IN COBRA
Waste Management	None
Environmental Compliance	FY06 NEPA Cost: Scenario \$243 / Cumulative \$281K FY07 Air Conformity Analysis: Scenario \$43K/ Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Hickam (Gaining)
Air Quality	Hickam is in an area that is in attainment for all criteria pollutants. No impact.
Cultural/ Archeological/ Tribal Resources	The Fort Kamehameha Area is an archaeological site that restricts training/testing/operations and requires concurrence from the state historic preservation office (SHPO) and native Hawaiian groups. Additional operations may further impact this area, and consequently impact operations. The base has been in formal consultation with native Hawaiian tribes within the past 2 years. There are 3 historic districts on the installation. Additional operations may require consultation with the SHPO.
Dredging	The receiving installation has impediments to deepening existing channels.

Land Use Constraints/ Sensitive Resource Areas	The base reported zero unconstrained acres available for development. The scenario may require building on constrained acreage. Operations are already restricted because of limitations by activities of other agencies and non-DoD laws, policies, or regulations. Sensitive resource areas are present and as a result the base is under the same flying restrictions as commercial aviation. Additional operations may further impact constraining factors and therefore further restrict operations. Military Munitions Response Program sites exist on the installation and may represent a safety hazard for future development. The base uses safety waivers and exemptions to accomplish the mission. Additional operations may compound the need for safety waivers. 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. The area surrounding the base is not zoned by the local community. The community has not purchased easements for the area surrounding the installation.
Threatened& Endangered Species/ Critical Habitat	T&E species exist but don't impact operations. Additional operations may impact T&E species.
Waste Management	No impact
Water Resources	No impact
Wetlands	Wetlands restrict 1% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	Hickam (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 44983 Estimated CTC (\$K): 97027 DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	FY06 NEPA cost: Scenario \$281K / Cumulative \$281K

<u>General Environmental Impacts</u>	
Environmental Resource Area	McConnell (Gaining)
Air Quality	McConnell is in an area that is in attainment for all criteria pollutants. A minor air permit revision may be required.
Cultural/ Archeological/ Tribal Resources	Actions may impact five historic properties that are not in historic districts.
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. 517.2 acres off-base within the noise contours are zoned by the local community. 36.7 of these acres are residentially zoned. The community has purchased easements for areas 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	Hazardous waste program modification needed.
Water Resources	The state requires a permit for withdrawal of groundwater.
Wetlands	Wetlands make up 0.63% of the base. Wetlands do not currently restrict operations. Additional operations may impact wetlands, which may restrict operations.

<u>Impacts of Costs</u>	
	McConnell (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 13,488 Estimated CTC (\$K): 12,386 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 cost: Scenario \$0K / Cumulative \$50K

<u>General Environmental Impacts</u>	
Environmental Resource Area	Forbes (Gaining)
Air Quality	No impact
Cultural/ Archeological/ Tribal Resources	The installation contains historic property which may impact future development.
Dredging	No impact
Land Use Constraints/ Sensitive Resource Areas	No impact
Marine Mammals/ Marine Resources/ Marine Sanctuaries	No impact
Noise	A less than 3 dB general increase in off-base noise is expected. The FAA Part 150 reflects the current mission, local land use, and current noise levels. 165 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.
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	No impact.

<u>Impacts of Costs</u>	
	Forbes (Gaining)
Environmental Restoration	DERA money spent through FY03 (\$K): 69.740 Estimated CTC (\$K): N/A DO NOT ENTER IN COBRA
Waste Management	No impact
Environmental Compliance	No impact