

Summary of Scenario Environmental Impacts

DON scenario DON-0033R

Action 1: Close SUBASE New London, CT.

Action 2: Relocate SSNs from SUBASE New London, CT, to SUBASE Kings Bay, GA, to include required personnel, equipment, and support.

Action 3: Relocate SSNs from SUBASE New London, CT, to Naval Station Norfolk, VA, to include required personnel, equipment, and support.

Action 4: Relocate COMSUBGRU TWO from SUBASE New London, CT, to Naval Station Norfolk, VA.

Action 5: Disestablish COMNAVREG NE, Groton, CT. Realign Installation Management function to COMNAVREG MIDLANT Norfolk, VA.

Action 6: Relocate NAVSUBSCOL Groton, CT, to SUBASE Kings Bay, GA.

Action 7: Consolidate NAVSUBSCOL Groton, CT, with SUBTRAFAC Norfolk, VA.

Action 8: Relocate CENSUBLEARNING Groton, CT, to SUBASE Kings Bay, GA.

Action 9: Consolidate NSGA Groton, CT, with NSGA Norfolk, VA.

Action 10: Consolidate the SSN intermediate repair function of Naval Submarine Support Facility New London, CT, with TRF Kings Bay, GA.

Action 11: Consolidate the SSN intermediate repair function of Naval Submarine Support Facility New London, CT, with SIMA Norfolk, VA.

Action 12: Consolidate the SSN intermediate repair function of Naval Submarine Support Facility New London, CT, with NSY Norfolk, VA.

Action 14: Disestablish NAVHLTHCARE NEW ENGLAND NEWPORT, RI, function Naval Ambulatory Care Center Groton, CT.

Action 13 and 15: Co-locate NAVSUBMEDRSCHLAB NEW LONDON CT with NAVMEDRSCHCEN SILVER SPRING MD at Walter Reed Army Medical Center Forest Glen Annex, Silver Spring, MD. (Data for this action was taken from Action 1 of MED-0055, which replaced Action 4 of MED-0024. The Army provided Data for Walter Reed Army Medical Center.)

Action 16: Relocate the NAVOPMEDINST Pensacola FL function Naval Undersea Medical Institute Groton, CT, to NAS Pensacola, FL. (Data for this action was taken from Action 1 of the MED-0036 scenario.)

Action 17: Relocate the NAVOPMEDINST Pensacola, FL function Naval Undersea Medical Institute Groton, CT, Submarine Independent Duty Hospital Corpsman School to FT Sam Houston. (Data for this action was taken from Action 2 of the MED-0036 scenario.)

General Environmental Impacts

Environmental Resource Area	Naval Submarine Base New London, CT (Installation Closed)	Naval Station Norfolk, VA (Gaining Installation)	Naval Submarine Base Kings Bay, GA (Gaining Installation)	Walter Reed Medical Center, Forest Glenn Annex, MD (Gaining Installation)
Air Quality	No impact.	Marginal Non-attainment for Ozone (1hr). Possible Air Conformity determination.	Attainment for all criteria pollutants.	Impact expected. The installation is in Severe Non-attainment for Ozone (1-hour and 8-hour). Air conformity analysis and New Source Review and permitting required due to construction.
Cultural/Archeological/Tribal Resources	No impact.	No impact.	Historic property identified. Scenario will not impact historic property.	A very limited portion of the installation has been surveyed for cultural resources; therefore the extent of cultural resources on the installation and impacts to these resources is

				uncertain.
Dredging	No impact.	Dredging permits required. No impediments.	Additional dredging will be required by scenario for floating drydock. No impediments to dredging exist.	No impact.
Land Use Constraints/Sensitive Resource Areas	No impact.	226 unconstrained acres out of 3384 total acres. Will not need to expand ESQD arcs for this scenario.	Installation reports 2,507 unconstrained acres available for development. No impacts.	Possible impact. Possible that insufficient buildable acres at WRAMC-Forest Glenn. Only acreage reported is on top of a landfill and hyperbaric chamber can only be built on solid rock foundation. Demolition of old structure may have to occur to allow for construction of hyperbaric chamber and due to historic operations at this location (possible use of dry

				cleaning solvents) and existence of UST, environmental cleanup costs are possible.
Marine Mammals/Marine Resources/ Marine Sanctuaries	Alleviates impacts to winter flounder and shellfish beds.	Possible impact. Expect higher frequency and higher concentration of off base operations.	Possible impact. Scenario is expected to impact the Northern Right Whale calving area. Manatee sighting logs will need to be maintained as current SOP directs.	No impact.
Noise	No impact.	No impact.	No impacts.	No impact.
Threatened& Endangered Species/Critical Habitat	No impact.	Possible impact. Expect higher frequency and higher concentration of operations.	TES have been identified with the potential to restrict operations. Current INRMP will cover new scope of operations. No new or additional impacts.	No impact.

Waste Management	Reduces waste disposals associated with the lost assets.	No impact.	No impact.	No impact. Additional hazardous waste management costs will increase due to increase in lab and research operations. Incoming personnel will not require use of OB/OD area.
Water Resources	Reduces water usage associated with the lost assets.	Shipboard discharges from SSN's have typically caused problems at sanitary sewage lift stations. Due to the layout of SSN's food grease and petroleum products typically mix and emulsify before leaving the ship. This emulsified mixture must be removed from the pier lift stations before it is discharged to the local POTW. If the mixture escapes to the POTW it interrupts the treatment process and can result in the issuance of a notice of violation and stricter permit controls which could require controls on how the SSN's dispose of CHT. In order to prevent disruption to the POTW increase cleaning of lift stations will be	To accomplish this mission there will need to be modifications and upgrades to the existing waste water systems. Provide lines and lift station to remove sanitary and industrial waste and convey them to the treatment facilities and protect as needed for pier services. Additional lines and lift stations for support services for barracks, training facilities, etc. Upgrade, maintenance, and repair to the treatment facilities includes the industrial waste treatment facilities, waterfront wastewater treatment plant,	No impact.

		required, including additional labor and disposal costs.	and upper base wastewater treatment plant and the spray fields of the land application system. Additions and revisions to the System Control and Data Acquisition System (SCADA).	
Wetlands	No impact.	No impacts.	No impacts.	Wetland survey may need to be conducted to determine impact, as appropriate.

Impacts of Costs

Selection Criterion 8 Environmental Points	Naval Submarine Base New London, CT (Installation Closed)	Naval Station Norfolk, VA (Gaining Installation)	Naval Submarine Base Kings Bay, GA (Gaining Installation)	Walter Reed Medical Center, Forest Glenn Annex, MD (Gaining Installation)
Environmental Restoration	DERA costs \$56.5 M thru FY 03; \$23.9 M CTC	DERA costs \$85.9 M thru FY 03; \$24.3 M CTC	DERA costs \$14.0M thru FY03; \$759K CTC	None.
Waste Management	HAZMAT Procurement/HA ZWASTE disposal \$1K	To prevent disruption to the POTW additional labor and disposal costs will be	\$8.2M SUBASE Water, Sanitary/Wastewater and Oily Waste System	None.

		required. Increased waste disposal costs.	Upgrades.	
Environmental Compliance	Closure, treatment, Storage and Disposal Facilities and Controlled Industrial Facility. Removal of existing HAZMAT (product in tanks, storage containers, fuel in abandoned pipelines, etc.	\$15,000 Dredging permit. \$93K EA for dredging \$20K Air Conformity determination for Sea Wolf projects.	\$2M Environmental Impact Statement \$75K Hazardous Waste Response Satellite Sites \$375K Costs for updating environmental plans: Spill Prevention, Control and Countermeasure, Facility Response Plan, Hazardous Waste Management Plan, Integrated Natural Resources Management Plan, and Industrial Waste Water Management Plan.	\$50K Air conformity analysis \$100K New Source Review \$100K NEPA documentation.

General Environmental Impacts

Environmental Resource Area	FT Sam Houston (Installation Realigned)	NAS Pensacola, FL (Installation Gaining Function)
Air Quality	No impact.	The installation is in attainment for all criteria pollutants. No impact.

Cultural/Archeological/Tribal Resources	Potential impact. Due to planned construction and interest from non-local tribes, a potential impact may occur as a result of time delays and negotiated restrictions. Since there is no Programmatic Agreement, potential impacts may occur since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	Historic property identified on installation. Programmatic agreement in place with SHPO. Potential impact for MILCON.
Dredging	No impact.	No impact.
Land Use Constraints/Sensitive Resource Areas	No impact.	Installation reports 1230 unconstrained acres available for development. No impact.
Marine Mammals/Marine Resources/ Marine Sanctuaries	No impact.	No impact.
Noise	No impact.	No impact.
Threatened& Endangered Species/Critical Habitat	No impact.	No impact.
Waste Management	No impact. Consider need to purchase additional hazardous waste disposal services due to additional laboratory and research operations.	Installation does not have a RCRA TSDF facility. Additional Waste Disposal fees.
Water Resources	Installation is currently experiencing water constraints which will be exacerbated by increased demands due to population and mission increase.	Increases Water Usage. Groundwater contamination present. No impact from additional operations
Wetlands	No impact.	Installation has 11.2% wetland restricted acres on base. Potential impact for MILCON.

Impacts of Costs

Selection Criterion 8 Environmental Points	FT Sam Houston (Installation Realigned)	NAS Pensacola, FL (Installation Realigned)
Environmental Restoration	None.	DERA Costs through FY-03 were \$56.1M; \$59.2M CTC
Waste Management	None.	\$5K HAZWASTE disposal
Environmental Compliance	\$100K NEPA documentation. \$10K programmatic agreement \$500 to \$2K Tribal consults \$20K-\$2M TES management	\$30K Modify Title V Air permit \$150K NEPA EA for MILCON.

SUBASE_NEW_LONDON_CT, CT

Demographics

The following tables provide a short description of the area near the installation/activity. SUBASE_NEW_LONDON_CT is 50.7 miles from Hartford, CT, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
New London-Norwich, CT NECMA	259,088

The following entities comprise the military housing area (MHA):

County/City	Population
New London	259088
Windham	109091
Total	368,179

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 31

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities. For median household income and house value, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

Median Household Income	(US Avg \$41,994)	\$50,646	Basis: MSA
Median House Value	(US Avg \$119,600)	\$142,200	
GS Locality Pay	("Rest of US" 10.9%)	17.9%	
O-3 with Dependents BAH Rate		\$1,624	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, and composite SAT I/ACT scores provide a relative

quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: “MFR”--means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information. For each entry, the number of school districts for which data are available of the total number of school districts reported, and the number of MFRs is indicated.

		Basis
School District(s) Capacity	40,881	17 of 18 districts, 1 MFR
Students Enrolled	37,545	18 of 18 districts
Average Pupil/Teacher Ratio	13.3:1	18 of 18 districts
High School Students Enrolled	12,052	12 of 12 districts
Average High School Graduation Rate (US Avg 67.3%)	90.1%	12 of 12 districts
Average Composite SAT I Score (US Avg 1026)	1002	12 of 12 districts
Average ACT Score (US Avg 20.8)		0 of 12 districts, 12 MFRs
Available Graduate/PhD Programs	7	
Available Colleges and/or Universities	8	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide an indicator of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided. For each entry, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

The unemployment rates for the last five years:

	1999	2000	2001	2002	2003
Local Data	3.3%	2.3%	2.8%	3.7%	4.8%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	1.8%	2.5%	-.2%	2.7%	1.5%

National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: According to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal total Vacant Housing Units. Vacant housing units may also include units that are vacant but not on the market for sale or rent. For each entry, the basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

Total Vacant Housing Units	10,839	Basis: MSA
Vacant Sale Units	1,085	
Vacant Rental Units	2,328	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population. The basis of the data (either MSA or number of counties in the MHA or the county of the installation) is indicated.

	# Physicians	# Beds	Population	
Local Community	543	433	259,088	Basis: MSA
Ratio	1:477	1:598		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002 is provided. The basis of the data (either MSA or state) is indicated.

Local UCR	2,997.2	Basis: state
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from SUBASE_NEW_LONDON_CT to nearest commercial airport: 4.7 miles
Is SUBASE_NEW_LONDON_CT served by regularly scheduled public transportation?
Yes

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes