

**SURFACE/SUBSURFACE OPERATIONS**

The Surface/Subsurface Operations function includes the activities that support, maintain, and train operational ships and assigned crews. The following activities were evaluated in this category. Asterisks indicate those activities that have some capability to berth operational ships but did not do so at the time of the analysis.

Naval Air Station North Island, San Diego, California  
Naval Air Station Key West, Florida\*  
Naval Air Station Pensacola, Florida\*  
Naval Amphibious Base Little Creek, Norfolk, Virginia  
Naval Base Ventura County, Point Mugu, California\*  
Naval Base Guam  
Naval Shipyard Portsmouth, Kittery, Maine\*  
Naval Shipyard Norfolk, Virginia\*  
Naval Station San Diego, California  
Naval Station Mayport, Florida  
Naval Station Pearl Harbor, Hawaii, including Naval Shipyard Pearl Harbor  
Naval Station Pascagoula, Mississippi  
Naval Station Newport, Rhode Island\*  
Naval Station Ingleside, Texas  
Naval Station Norfolk, Virginia  
Naval Station Bremerton, Washington, including Naval Shipyard Puget Sound  
Naval Station Everett, Washington  
Naval Weapons Station, Seal Beach Detachment, Concord, California\*  
Naval Weapons Station Earle, Colts Neck, New Jersey  
Naval Weapons Station Charleston, South Carolina\*  
Naval Weapons Station Yorktown, Virginia\*  
Submarine Base San Diego, California  
Submarine Base New London, Connecticut  
Submarine Base Kings Bay, Georgia  
Submarine Base Bangor, Washington  
Naval Ordnance Test Unit, Cape Canaveral, Florida\*  
Blount Island Command, Jacksonville, Florida\*  
Naval Support Activity, Panama City, Florida\*  
Naval Magazine, Pearl Harbor, Hawaii\*

Naval Station Roosevelt Roads, Puerto Rico is excluded from the above list because it was closed outside the BRAC process by special legislation.

## Surface-Subsurface Capacity Analysis

As noted above, the BRAC 1995 concept of the "Cruiser Equivalent" was retained for the BRAC 2005 Surface/Subsurface Operations capacity analysis. This concept evaluated pier space requirements, available ship support services and depth restrictions, both pier side and while transiting from sea to pier. Each activity provided a certified response indicating its maximum capacity to berth ships irrespective of deployment patterns or pier maintenance requirements. These reported capacities were reviewed and validated, and where necessary, data call clarifications and corrections were requested and obtained in accordance with the data certification process. Analysis of the certified data resulted in the determination of current capacity, which included all possible activities that possessed the capability to homeport ships. In order to determine potential excess capacity, the maximum capacity was reduced by the non-operational capacity (those activities indicated with an asterisk on the above list). Based on input from Commander, Fleet Forces Command on the impact of the Fleet Response Plan, an allowance of 50 Cruiser Equivalent was applied to permit ship maintenance and weapon handling pier-side, obviating excess pier shifts for nested ships. This allowance accounts for the fact that the maximum capacity reported at an activity included the maximum permissible ship-nesting limits and reflects the necessary flexibility to support ship maintenance and ordnance handling evolutions. Additionally, a five percent Cruiser Equivalent allowance was included to account for the need to periodically shut down piers to conduct maintenance. After review of the capacity data, the berthing capacity devoted to the contiguous naval shipyards at Naval Stations Bremerton and Pearl Harbor was determined not to be available for home-porting ships since it would conflict with the current mission, and therefore, was considered non-operational capacity.

The 20-year Force Structure Plan was used to determine the berthing requirements in the capacity analysis. This force structure plan included a significant number of future ships, including Multi-mission Destroyer (DD(X)) and Littoral Combat Ship (LCS). These ships have larger footprint requirements than current Guided Missile Destroyer (DDG) and Guided Missile Frigate (FFG) ships. The combination of ships used to determine the berthing requirements was based on the President's Budget Ship and Aircraft Supplemental Data Tables. The total berthing requirements in Cruiser Equivalent were based on the total number of each ship class multiplied by the ship class Cruiser Equivalent factor and in-port percentage, and subsequently reduced by the ships in the shipyard and ships permanently deployed. The in-port percentage was used to reduce the overall berthing requirement accounting for historical deployment and operating patterns of the various classes of ships. The percentages used in the BRAC 1995 round were reviewed and adjusted by the Infrastructure Evaluation Group based on input from Commander, Fleet Forces Command. A surge factor in calculating the amount of berthing space required at its operational bases was not needed because it would require additional ship construction to utilize that surge capability. The Department of the Navy (DON) Analysis Group and Infrastructure Evaluation Group ensured that sufficient flexibility was retained to handle surge represented by operational tempo changes or emergent force positioning changes, and also concluded that there was sufficient berthing space available in non-operational bases (e.g., shipyards and weapons stations) to meet surge or other emergent operational requirements.

During the course of the 2005 BRAC analysis, a significant revision of the 20-year Force Structure Plan was promulgated. This revised plan reduced the number of ships in the overall capacity requirement. Changes to the plan reduced the nuclear attack submarine Fleet by 21 percent, and eliminated all Minehunter-Coastal ships from the Fleet early in the BRAC execution period. The number of Prepositioning ships and new High-speed Connector ships increased. However, since these ships are operated in forward areas only, are civilian manned, and do not require homeports, they were not included in the requirement. Accounting for the revised Force Structure Plan, the net result was an aggregate excess capacity of 25 percent, across Navy Surface/Subsurface activities.



# Surface-Subsurface Capacity Analysis

DCN 506

<u>Capacity</u>	<u>CGEs</u>
Max Theoretical	578
Non-Operational	-152
FRP - impact for	
Ship Maint & Weaps	- 50
Pier	
Maintenance (5%)	- 21
Navy Operational	
<u>Capacity</u>	<u>355</u>

<u>Requirements</u>	<u>CGE</u>
20 year FSP	411
Less Shipyard	- 6
Less FDNF	- 38
Net	367
Apply Inport %	
Paradigm (.726)	
Navy Operational	
<u>Requirement:</u>	<u>267</u>

Excess= 88 CGE (25%) <sup>6</sup>

Navy Operational Capacity – Navy Operational Requirement



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Infrastructure Analysis Team

# Surface-Subsurface Capacity Data

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Active Homeports	Capacity (CGE)
NORFOLK	97.25
LITTLE CREEK	27
MAYPORT	32.5
PASCAGOULA	5.5
INGLESIDE	13.5
EVERETT	12
BREMERTON*	14
NS SAN DIEGO	87
PEARL HARBOR*	49.75
MARIANAS GU	11
NEW LONDON	16.25
KINGS BAY	13.5
SUBBASE SD	10.5
BANGOR	7.75
NAS NI	20
EARLE	8
<b>Total</b>	<b>425.5</b>

**\*SHIPYARD CAPACITY CLASSIFIED NON-ACTIVE**

WEAPSTAs	Capacity (CGE)
YORKTOWN	3
CHARLESTON	12
PEARL HARBOR	4.5
CONCORD CA	3
Total	22.5
<b>SHIPYARDS</b>	
PUGET SOUND	28
PEARL HARBOR	22
NORFOLK	28.75
PORTSMOUTH	16.25
Total	95
<b>OTHER</b>	
BLOUNT ISL CMD	2
NEWPORT	5
KEY WEST	8
NAS PENSACOLA	7.5
NAVORDTESTU	4
VENTURA COUNTY	5
PANAMA CITY	3
Total	34.5
Non-Active Total	152
<b>Grand Total</b>	<b>577.5</b>



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# CGE's and In Port % by Ship Class

DCN 506

SHIP CLASS	CGES	IMPORT %
SSBN	1.00	50%
SSN	0.75	70%
SSGN	1.00	67%
CV	4.00	100%
CVN	4.00	100%
CG	1.00	70%
DDG	1.00	70%
FFG	0.75	70%
LHA	2.50	70%
LHD	2.50	70%
LPD	2.00	70%
LSD	1.50	70%
LCS	1.00	70%

SHIP CLASS	CGES	IMPORT %
LCS	1.00	70%
MCM	0.50	100%
MHC	0.25	100%
AE	1.50	70%
AKE	2.50	70%
AO	2.00	70%
AOE	2.00	70%
AFS	1.50	67%
AS	1.50	67%
ARS	0.50	67%
ATF	0.50	67%
AGOS	0.50	67%
LCC	2.00	67%
DD(X)/CG(X)	1.50	70%



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# Surface/Subsurface Capacity Changes

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## FINAL CAPACITY

- **Candidate Recommendation closures eliminate 35.25 CGE**
  - NAVSTA Pascagoula = 5.5 CGE
  - NAVSTA Ingleside = 13.5 CGE
  - SUBASE New London = 16.25 CGE
- **Remaining Operational Excess: 55.75 (17.2%)**
  - Total Berthing Excess (adding in “other” bases): 207.75 (38%)

## Surface-Subsurface Military Value Analysis

The matrix developed for military value analysis was modeled on the BRAC 1995 Naval Station matrix with modifications based on lessons learned, Fleet input, and improved modeling. Scaling functions were used to allow partial or relative value for a particular data point. The matrixes for the different Operational Functions (Surface/Subsurface, Aviation, and Ground) were similar in many respects, each having five attributes. However, the specific data and weighting of the attributes reflected the differences between each function.

Operational Infrastructure questions principally measured the size and versatility of ship berthing, maintenance, and support capabilities and proximity to naval shipyards. Additional value was given for strategic nuclear submarine homeport capability and Nimitz Class nuclear-powered carrier cold-iron berthing capability and ability to expand to accommodate surge and expansion of mission. Operational Training questions measured the proximity to training facilities, training ranges and operation areas. Port Characteristics questions principally measured operational and strategic locations, port restrictions, and anti-terrorism/force protection capabilities. Environment and Encroachment questions measured an array of constraints, costs, and capabilities associated with balancing an activity's mission and compliance with Federal and State environmental regulations. Personnel Support/Quality of Life questions measured an activity's ability to support ship's personnel and their families.

Question weights developed by the Infrastructure Evaluation Group placed high value on operational infrastructure and training. The military value scores for the activities in the Surface/Subsurface Operations function were fairly evenly distributed between 30.8 and 74.5 for all 29 activities. The range for the current operational homeports was 37.1 to 74.5 with an average military value for this category of 55.6. Large versatile bases and those in proximity to training areas and facilities scored higher, while smaller bases which were remote from training areas and facilities scored significantly lower.

**Surface / Subsurface Operations**  
**Military Value Evaluation Questions**

**Attribute: Operational Infrastructure**

**Component: Ship Berthing**

**SEA-1. Relative ability to berth multiple naval combatants.**

SEA-1. What is the maximum combined CG Equivalent (CGE) capacity for your activity's piers / wharves? (CGEs)

*Source: Data Call I*

*Based on largest combined CGE value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**SEA-2. Relative number of CVNs that can be berthed in cold iron status.**

SEA-2. How many CVNs can you berth at your activity in cold iron status? (Count)

*Source: Data Call I*

*Based on largest CVN berthing value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**SEA-3. Infrastructure supports homeporting of SSBNs.**

SEA-3. Does the installation have the ability to homeport SSBNs to include the ability to meet weapons stowage, transportation, maintenance, and handling requirements?

*Source: Data Call II*

*Binary value*

**SEA-4. Relative condition of the piers.**

SEA-4. What is the combined total linear feet of berthing for your piers / wharves in the following categories:

Adequate Linear Feet	Substandard Linear Feet	Inadequate Linear Feet

*Source: Data Call I*

*Based on largest Adequate and Substandard (with .5 factor) Linear Feet value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**Attribute:** Operational Infrastructure

**Component:** *Ship Berthing (continued)*

**SEA-5. Relative value of pier modernization.**

SEA-5. What is the combined total linear feet of berthing for your piers / wharves which completed construction on or after 1 Jan 1990? (Amplification: Construction includes major overhauls which significantly advanced the functionality of the piers commensurate with modern pier construction.)

*Source: Data Call II*

*Based on largest value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**SEA-6. Relative value of pier Internet Protocol (IP) infrastructure.**

SEA-6. What is the combined total linear feet of berthing for your piers / wharves which are configured with Internet Protocol (IP) connectivity?

*Based on largest value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

*Source: Data Call II*

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Surface / Subsurface Operations-Military Value Evaluation Questions

**Attribute: Operational Infrastructure**

**Component: Ship Maintenance**

**SEA-7a-c. Relative value of the on-base IM facility in terms of capability and capacity.**

SEA-7a. (0.6) What is the Maximum Capacity Index for Ship Maintenance for your on-base IM facilities (DLH) divided by the maximum combined CG Equivalent (CGE) capacity for your activity's piers / wharves.

*Source: Data Call I (2 values)*

*Ratio of DLH to CGE to normalize capacity to ships berthing ability. Analyst will apply function for zero to maximum credit.*

SEA-7b. (0.2) Is your nearest IM facility nuclear capable? (y/n) **<credited only for on-base facility>**

*Source: Data Call I*

*Binary value.*

SEA-7c. (0.2) What is the Maximum Capacity Index for Ship Maintenance for your on-base IM facilities (DLH).

*Source: Data Call I (2 values)*

*Analyst will apply function for zero to maximum credit.*

**SEA-8a-b. Relative value of the available drydocks in the harbor complex.**

SEA-8a. (0.25) How many NAVSEA certified floating drydocks are in your natural harbor complex? (Count)

*Source: Data Call II*

*Based on largest value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

SEA-8b. (0.75) How many NAVSEA certified graving drydocks are in your natural harbor complex? (Count)

*Source: Data Call II*

*Based on largest value received from field, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**SEA-9. Relative value of proximity to the nearest nuclear capable shipyard.**

SEA-9. What is the distance (safe navigation route) from your pier / wharf complex to the nearest nuclear capable shipyard? (Distance: nautical miles)

*Source: Data Call II*

*Based responses received, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**SEA-10. Degaussing range available in the natural harbor complex.**

SEA-10. Is there a degaussing range in the natural harbor complex? (y/n)

Surface / Subsurface Operations-Military Value Evaluation Questions <sup>DCN 506</sup>

*Source: Data Call II*

*Binary value.*

**SEA-11. Deperming facility available in the natural harbor complex.**

SEA-11. Is there a deperming facility in the natural harbor complex? (y/n)

*Source: Data Call II*

*Binary value.*

**SEA-12. Relative pier-side capable crane lift availability.**

SEA-12. What is the maximum lift tonnage for any individual pier-side capable crane at your activity? (Tonnage)

*Source: Data Call I*

*Based on maximum tonnage received by the field , analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**Attribute:** *Operational Infrastructure*

**Component:** *Specialized Security / Emergency Services*

**SEA-13:** Relative value of specialized security / emergency services capabilities.

SEA-13. Does the activity have specialized security / emergency service capabilities: (y/n)

<b>Capability</b>	<b>Yes/No</b>
Nuclear Weapons Security Requirements of Berthed SSBNs (0.25)	
Nuclear Weapons Handling (y/n) (0.25)	
Nuclear Weapons Radiological Accident Response (y/n) (0.25)	
Nuclear Reactor Radiological Accident Response (y/n) (0.25)	

*Source: Data Call II*

*Binary values.*

Attribute: Operational Infrastructure

Component: Unique or Specialized Capabilities / Missions

~~SEA 14. Relative value of unique capabilities or missions.~~

~~SEA 14. List and describe any unique capabilities or missions performed by your activity. Unique is defined as a capability or mission performed at no other location.~~

Capability/Mission	Description

~~Source: Data Call II~~

~~Based upon responses received, IEG will evaluate and assign credit.~~

~~SEA 15. Relative value of specialized capabilities or missions.~~

~~SEA 15. List and describe any specialized (not unique) capabilities or missions performed by your activity. Examples of specialized capabilities or missions include but are not limited to: Homeland Defense, Strategic Deterrence Missions, Special Warfare, Mine Warfare, Landing Craft Capability, etc.~~

Capability/Mission	Description

~~Source: Data Call II~~

~~Based upon responses received, IEG will evaluate and assign credit.~~

~~SEA 14 and SEA 15 Deleted by DAG - 07 SEP 04~~

**Attribute:** Operational Infrastructure

**Component:** Munitions Storage and Handling

SEA-16. Relative value of ordnance handling pier capacity for your waterfront piers/wharves.

SEA-16. What is the combined ESQD Net Explosive Weight for your waterfront piers / wharves?

*Source: Data Call I*

*Based on responses received, analyst will apply a function for zero credit to maximum credit.*

SEA-17. Relative value of on-base ordnance storage capability and capacity.

SEA-17. What is the total of current and appropriated ordnance capacity (tons) divided by the maximum combined CG Equivalent (CGE) capacity for your activity's piers / wharves?

*Source: Data Call I*

*Ratio of tons over CG Equivalents. Based on responses received, analyst will apply a function for zero credit to maximum credit.*

**Attribute:** Operational Infrastructure

**Component:** Operational Staff Facilities

**SEA-18.** Relative capacity of adequate administrative space.

SEA-18. What is the total square footage of adequate administrative space at your activity divided by the maximum combined CG equivalent? (SQ FT)

*Source: Data Call I*

*Ratio of SQ FT to CG Equivalents. Based on responses received, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

Attribute: Operational Training

Component: Training Facilities

~~SEA-19. Relative value of proximity to the nearest shipboard firefighting training facility.~~

~~SEA-19. What is the distance to the nearest shipboard firefighting training facility? (Distance: miles)~~

~~Source: Data Call II~~

~~Based on responses received, analyst will apply a function for zero to maximum credit.~~

~~SEA-20. Relative value of proximity to the nearest damage control training facility.~~

~~SEA-20. What is the distance to the nearest damage control training facility? (Distance: miles)~~

~~Source: Data Call II~~

~~Based on responses received, analyst will apply a function for zero to maximum credit.~~

~~SEA-21. Relative value of proximity to the nearest submarine training facility.~~

~~SEA-21. What is the distance to the nearest submarine training facility? (Distance: miles)~~

~~Source: Data Call II~~

~~Based on responses received, analyst will apply a function for zero to maximum credit.~~

~~SEA 22. Relative value of unique training capabilities.~~

~~SEA 22. List any unique operational training facilities at your activity (defined as facility which exists at no other location).~~

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<del>Facility Title (text)</del>	<del>Specific Location (text)</del>	<del>Training Objective (text)</del>

~~Source: Data Call I~~

~~Based upon responses received, IEG will evaluate and assign credit.~~

~~SEA 22 Deleted by DAG – 07 SEP 04~~

~~SEA-23. Relative value of proximity to the nearest ship handling training facility.~~

~~SEA-23. What is the distance to the nearest ship handling training facility? (Distance: miles)~~

~~Source: Data Call II~~

~~Based on responses received, analyst will apply a function for zero to maximum credit.~~

**Attribute:** *Operational Training*

**Component:** *Training Facilities (continued)*

SEA-24. Relative value of throughput for all local "C", "F" and other "pipeline" training schools.

SEA-24. What is the annual throughput for all "C", "F", and other pipeline training schools located within 50 miles of your activity?

*Source: Data Call I*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

**Attribute:** Operational Training

**Component:** OPAREAs / Ranges

**SEA-25. Relative value of proximity to the nearest anti-air warfare range.**

SEA-25. What is the transit distance (safe navigation route) to the nearest anti-air warfare range? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-26. Relative value of proximity to the nearest naval gunnery qualification range.**

SEA-26. What is the transit distance (safe navigation route) to the nearest naval gunnery qualification range? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-27. Relative value of proximity to the nearest submarine operating area.**

SEA-27. What is the transit distance (safe navigation route) to the nearest submarine operating area? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-28. Relative value of proximity to the nearest mine warfare training area.**

SEA-28. What is the transit distance (safe navigation route) to the nearest mine warfare training area? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-29. Relative value of proximity to the nearest submarine training range.**

SEA-29. What is the transit distance (safe navigation route) to the nearest submarine training range? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**Attribute:** Operational Training

**Component:** Small Arms Training

**SEA-30.** Relative capability of the small arms range.

SEA-30. What is the maximum throughput of your activity's small arms range divided by the maximum combined CG Equivalent? (qualifications/year/CGE's)

*Source: Data Call 1*

*Ratio of qualifications/year to CG Equivalents. Based on responses received, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**Attribute:** Port Characteristics

**Component:** Operational Location

**SEA-31. Relative value of the transit distance (safe navigation route) to sea.**

SEA-31. What is the channel distance (safe navigation route) to sea? (Distance: nautical miles)

*Source: Data Call I*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-32. Relative value of the transit distance (safe navigation route) to the 50 fathom curve.**

SEA-32. What is the transit distance (safe navigation route) to the 50 fathom curve? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-33. Percent of the day the harbor channel allows CV/CVN transits.**

SEA-33. What percent of the day (averaged for FY03) would your harbor channel allow CV/CVN transits? (%)

*Source: Data Call II*

*Analyst will apply a function to answers from zero to 100 percent.*

**SEA-34a-b. Relative impact of local weather on operations.**

SEA-34a. (0) In the table below, provide the percent of ship underways and arrivals delayed more than three hours due to weather.

	<u>% Delay CY00</u>	<u>% Delay CY01</u>	<u>% Delay CY02</u>	<u>% Delay CY03</u>
JAN				
FEB				
MAR				
APR				
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

**Question Deleted by DAG due to non-availability of data from some activities – 7 SEP 04**

**Surface / Subsurface Operations-Military Value Evaluation Questions** DGN 506

**Attribute:** Port Characteristics

**Component:** Operational Location (continued)

SEA-34b. (1.0) In the table below, provide the number of calendar days inport lost due to weather related emergency sorties.

	CY00	CY01	CY02	CY03
# of Days Lost				

*Source: Data Call II*

*Based on maximum value received, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**SEA-35. Relative value of proximity to the nearest weapons station.**

SEA-35. What is the transit distance (safe navigation route) to the nearest weapons station? (Distance: nautical miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**SEA-36. Relative value of proximity to the nearest Explosive Ordnance Detachment support.**

SEA-36. What is the distance to the nearest Explosive Ordnance Detachment support? (Distance: miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**Attribute:** Port Characteristics

**Component:** *Strategic Location*

SEA-37. Port location is of strategic military value.

SEA-37. What is the geographic location of the installation?

*Source: Data Call 1*

*IEG determines which locations are of strategic military value.*

**Attribute:** Port Characteristics

**Component:** Port Restrictions

**SEA-38. Relative impact of port/harbor restrictions on operations.**

SEA-38. What percent of the week (averaged over FY03) was your harbor's operations limited due to dredging or other restrictions, not including weather? (%)

Restriction	Percentage (%)
Dredging	
Other	

*Source: Data Call II*

*Analyst will apply a function to answers from zero to 100 percent.*

**Attribute:** Port Characteristics

**Component:** Anti-Terrorism/Force Protection

SEA-39a-b. Relative value of buildings which meet structural criteria and/or perimeter standoff criteria?

SEA-39a. (0.4) What total square footage of your buildings comply with structural criteria (frame, walls, glazing, etc.) contained in DoD Minimum Antiterrorism Standards for Buildings (UFC 4-010-01)?

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

SEA-39b. (0.6) What total square footage of your buildings meet the minimum perimeter standoff distance distances as specified in DoD Minimum Antiterrorism Standards for Buildings (UFC 4-010-01)?

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

SEA-40. Adequate space available for Entry Control points to have vehicle search, holding areas, and rejection lanes.

SEA-40. Is adequate space available for all Entry Control Points (ECPs) to have vehicle search, holding areas, and rejection lanes as specified in UFC 4-010-01?

*Source: Data Call II*

*Binary value.*

SEA-41. Relative value of utility (government or commercial; electric or water) redundancy.

SEA-41. Is the installation supported by an electric or water utility (government or commercial) that is a single point source (no redundant capability)?

*Source: Data Call II*

*Installation will receive 0.5 points for each listed utility that has redundancy.*

**Attribute: Port Characteristics**

**Component: Locality Cost**

**SEA-42a-b: Relative value of the locality cost.**

SEA-42a. (0.5) What is the GS Locality Pay percentage for your activity's geographical area? (%)

*Source: Data Call II (Criterion 7)*

*Based on maximum value, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

SEA-42b. (0.5) What is your host installation's Area Cost Factor (ACF) as described in the DoD Facilities Pricing Guide? (Number)

*Source: Data Call II*

*Based on maximum value, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

**Attribute: Port Characteristics**

**Component: Supply and Storage**

**SEA-43: Relative value of proximity to the nearest Fleet and Industrial Supply Center.**

SEA-43. What is the distance from your activity to the nearest Fleet and Industrial Supply Center? (Distance: miles)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

**Attribute:** Environment and Encroachment

**Component:** Dredging

**ENV-1a-c. Relative value of known impediments to conducting dredging operations.**

ENV-1a. (1.0) Does your harbor/channel require dredging operations?

*Source: Data Call II*

*Binary. If no, full credit is applied. If yes, ENV-1b-c. apply.*

ENV-1b. (0.75) Is a dredge spoil site identified? If so what is the remaining capacity?

*Source: Data Call I*

*Based on percentage of capacity remaining, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

ENV-1c. (0.25) Is dredging activity impacted because of the known or suspected presence of ordnance in the water?

*Source: Data Call I*

*Binary value.*

**Attribute:** Environment and Encroachment

**Component:** Land Constraints

ENV-2a-g. Relative value of land constraints at the installation and its outlying real property which restrict current operations.

ENV-2a. (0.2) Do electromagnetic radiation and/or emissions constrain operations?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-2b. (0.2) Are explosive safety waivers or exemptions in effect?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-2c. (0.2) Can existing Explosive Safety Quantity Distance (ESQD) arcs be expanded by 100 feet or more without encroaching on non-compatible areas and without requiring a special waiver?

*Source: Data Call I*

*Binary value.*

ENV-2d. (0.1) Do any sites with high archeological potential, including sacred, Traditional Cultural Properties, or burial sites used by Native People, constrain current or future construction?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-2e. (0.1) Has the accommodation of the installation's missions been limited by existing or proposed activities of other military departments or other federal tribal state or local agencies being located on the installation, range or auxiliary field?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-2f. (0.1) Do wetlands result in restrictions on operations?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

**Surface / Subsurface Operations-Military Value Evaluation Questions** DGN 506

***Attribute: Environment and Encroachment***

***Component: Land Constraints***

ENV-2g. (0.1) Are there operational testing/training restrictions as a result of the presence of Threatened and Endangered Species (TES), candidate species, biological opinions or sensitive resource areas?

*Source: Data Call I*

*Binary credit. Credit is applied for a "no" response.*

**Attribute:** Environment and Encroachment

**Component:** Encroachment

ENV-3a-c. Relative value of external encroachments which restrict operations.

ENV-3a. (0.4) Have non-DoD parties (through developers, community organizations, etc.) formally requested transfer of DoD real property or proposed restrictions to operational procedures?

*Source: Data Call II*

*Binary value. Credit is applied for a "no" response.*

ENV-3b. (0.4) Are there hazardous waste contamination sites located off the installation that restrict or could restrict operations?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-3c. (0.2) Have noise abatement procedures been published for the installation, range or auxiliary field?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

**Attribute:** Environment and Encroachment

**Component:** *Environmental Costs*

**ENV-4. Relative value of the costs associated with conducting the installation's environmental program.**

ENV-4. Excluding DERA funds, provide the average annual total cost of environmental fees, studies, permits, licenses, projects, etc., over the last 3 fiscal years (FY01-03). Provide the annual installation budget over this same period. Divide the environmental costs by the installation budget.

*Source: Data Call II*

*Based on response received, analyst will apply a function for zero credit to a maximum credit.*

**Attribute:** Environment and Encroachment

**Component:** Waste Disposal

**ENV-5a-c. Relative value of the capacity to dispose of solid or hazardous waste.**

ENV-5a. (0.4) Does the installation have a permitted hazardous waste Resource Conservation and Recovery (RCRA) Treatment, Storage or Disposal (TSD) facility? (0.2) If so, does the hazardous waste TSD facility permit allow acceptance of off-site waste? (0.2)

*Source: Data Call I*

*Two binary values.*

ENV-5b. (0.4) If the installation has a permitted solid waste disposal facility, what is the remaining capacity?

*Source: Data Call I*

*Based upon maximum capacity remaining, analyst will apply a function for zero credit to a maximum credit corresponding to this value.*

ENV-5c. (0.2) Does the installation have an interim or final RCRA Subpart X permit for operation of an open burning/open detonation facility? (0.1) If so, does the RCRA Subpart X permit allow acceptance of off-site waste (e.g. from other DoD facilities)? (0.1)

*Source: Data Call I*

*Two binary values.*

**Attribute:** Environment and Encroachment

**Component:** Potable Water

ENV-6a-b. Relative value of potable water resource constraints.

ENV-6a. (0.25) Can the existing water system/treatment facility provide 50% more water than current demand?

*Source: Data Call I*

*Binary value.*

ENV-6b. (0.75) How many days during FY 1999-2003 were restrictions implemented that limited production or distribution?

*Source: Data Call I*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

**Attribute: Environment and Encroachment**

**Component: Natural Resource Considerations**

ENV-7a-c. Relative value of restrictions to in-water operations or testing/training activities conducted at the installation or at ranges that the installation manages due to environmental laws/regulations.

ENV-7a. (0.4) Do current Endangered Species/Marine Mammal Protection Act restrictions affect shore or in-water operations or testing/training activities conducted at the installation or at a range that the installation manages?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-7b. (0.4) Does the existence of marine sanctuaries restrict operations, testing or training activities conducted on the installation or on ranges the installation manages?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-7c. (0.2) Has the presence of coral reefs, marine mammals, Essential Fish Habitat, Marine Protected Areas or other sensitive marine zones resulted in restrictions on operations, testing or training activities?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

**Attribute: Environment and Encroachment**

**Component: Air Quality**

**ENV-8a-g. Relative value of air quality control issues due to current or proposed regulations.**

ENV-8a. (0.2) Have operations, testing or training been restricted as a result of air quality requirements?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-8b. (0.2) Has the installation been required to implement emission reduction procedures through special actions?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-8c. (0.1) Are there critical air quality regions within 100 statute miles of the installation that restrict operations?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-8d. (0.2) Is the installation, range, or auxiliary field located in an area currently designated non-attainment or maintenance for any criteria pollutant?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-8e. (0.1) Is the installation, range, or auxiliary field located in an area proposed to be designated non-attainment for the new 8-Hour ozone or the PM2.5 standard?

*Source: Data Call I*

*Binary value. Credit is applied for a "no" response.*

ENV-8f. (0.1) Are emission credits owned by the installation or available for purchase in the area?

*Source: Data Call I*

*Binary value.*

ENV-8g. (0.1) Do the Clean Air Act (CAA) operating permits have any unused capacity?

*Source: Data Call I*

*Binary value.*

**Attribute: Personnel Support**

**Component: Medical**

Surface / Subsurface Operations-Military Value Evaluation Questions DGN 506

PS-1. Located within the medical catchment area of an in-patient military medical treatment facility.

PS-1. Is your activity within the medical catchment area of an in-patient military medical treatment facility?  
(yes/no)

*Source: Data Call II*

*Binary.*

**Attribute: Personnel Support**

**Component: Housing**

**PS-2a-c. Relative value of government and PPV housing availability.**

PS-2a. (0.5) What was the average wait time (in months) for family housing, including Public Private Venture (PPV) units, at your installation as of 30 September 2003?

$$\text{Avg Wait Time} = \frac{(\text{List}_1 \text{ Wait Time} \times \text{List}_1 \text{ Units}) + (\text{List}_2 \text{ Wait Time} \times \text{List}_2 \text{ Units}) + \dots}{\text{Total Housing Units}}$$

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

PS-2b. (0.25) What is the total number of adequate Bachelor Quarters (combined officer and enlisted; both current and budgeted) at your installation divided by the total military population as of 30 Sep 2003?

*Source: Data Call I*

*Ratio of number of rooms per active duty population. Based on responses received, analyst will apply a function for zero to maximum credit.*

PS-2c. (0.25) What was the total number of non availability nights over the past five years (1999-2003) divided by the total number of transient rooms as of 30 Sept. 2003 at your installation?

*Source: Data Call I*

*Ratio of number of non-availability nights per total number of transient rooms. Based on responses received, analyst will apply a function for zero to maximum credit.*

**PS-3a-c. Relative value of community housing availability, affordability and proximity.**

PS-3a (0.25) What is the community rental vacancy rate?

*Source: Data Call II (Criteria 7 question)*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

PS-3b. (0.50) What is the BAH (O-3 without dependents) for the locality as of 1 Jan 2004?

*Source: Data Call II (Criteria 7 question)*

*Based on responses received, analyst will apply a function for zero to maximum credit*

PS-3c. (0.25) What is the average commute time for those living off base (source: Census Bureau)? (Time: minutes)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero to maximum credit.*

**Attribute: Personnel Support**

**Component: Non-Military Education**

~~PS-4a-c. Relative value of dependent primary and secondary education opportunities in the local community. (Amplification: Local Community is defined as the Military Housing Area (MHA)).~~

PS-4a. (0.5) What is the total average composite SAT score in the local school districts in the 2002-2003 school year?

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-4b. (0.5) What was the pupil/teacher ratio in the local school districts in the 2002-2003 school year?

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

~~PS-4c. (0.3) What percent of high school classroom teachers were certified in their subject/core area in the local school districts in the 2002-2003 school year? (%)~~

~~*Source: Military Value Data Call (Criterion 7)*~~

~~*Analyst will apply a function to answers from zero to 100 percent.*~~

**JPAT 7 Deleted question due to non-uniformity of answers among states. Re-apportioned a and b to 0.5 each.**

~~PS-5a-d. Relative availability of dependent and member post-secondary education in the local community.~~

PS-5a. (0.4) Does your installation's state charge military family members the in-state tuition rate for higher education? (yes/no)

*Source: Military Value Data Call (Criterion 7)*

*Binary value.*

PS-5b. (0.2) How many vocational/technical schools are available in the local community? (count)

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-5c. (0.3) How many undergraduate colleges/universities are available in the local community? (count)

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-5d. (0.1) How many colleges/universities with graduate programs (Masters and/or Ph.D. level) are available in the local community? (count)

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

**Attribute:** Personnel Support

**Component:** *Employment*

PS-6a-b. Relative opportunity for dependent/off-duty employment.

PS-6a. (0.5) What were the annual unemployment rates for the 5-year period of 1999-2003?

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-6b. (0.5) What was the annual covered employment (job growth) for the periods 1998-2003 (%)

*Source: Military Value Data Call (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

**Attribute:** Personnel Support

**Component:** Fleet and Family Services

**PS-7. Relative availability of base services.**

PS-7. Which Support Services facilities are located at your installation?

<u>FACILITY</u>	<u>Available (yes/no)</u>	<u>Value</u>
Commissary		0.4
Exchange		0.2
Family Service Center		0.2
Convenience Store		0.1
Religious Support Services		0.1
<b>TOTAL</b>		<b>1.00</b>

*Source: Data Call I*

*Binary values.*

**PS-8a-b. Relative availability of child development services.**

PS-8a. (0.5) What is the average wait to enroll (in days) for on-base child care? (Count: days)

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-8b. (0.5) How many accredited child care centers do you have in your community (MHA)?

*Source: Data Call II (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

Attribute: Personnel Support

Component: MWR

PS-9. Relative availability of MWR facilities.

PS-9. Which MWR facilities are located at your installation? (y/n)

<u>FACILITY</u>	<u>Available (yes/no)</u>	<u>Value</u>
Gymnasium/Fitness Center		0.3
Swimming Facilities		0.2
Golf Course		0.1
Youth Center		0.1
Officer/Enlisted Club		0.1
Bowling		0.03
Softball Field		0.02
Library		0.01
Theater		0.01
ITT		0.01
Museum/Memorial		0.01
Wood Hobby		0.01
Beach		0.01
Tennis CT		0.01
Volleyball CT (outdoor)		0.01
Basketball CT (outdoor)		0.01
Racquetball CT		0.01
Driving Range		0.01
Marina		0.01
Stables		0.01
Football Field		0.01
Soccer Field		0.01
<b>TOTAL</b>		<b>1.00</b>

Source: Data Call II

Binary value.

**Attribute:** Personnel Support

**Component:** *Follow-on Tour Opportunities*

**PS-10.** Relative opportunity for follow-on tour in the homeport.

PS-10. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following: (Text: Counts)

Rating	# of Sea Billets in Local Area	#of Shore Billets in Local Area

*Source: Data Call II*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*  
**Evaluation changed to number of shore billets/CGE ratio.**

Surface / Subsurface Operations-Military Value Evaluation Questions <sup>DGN 506</sup>

**Attribute:** Personnel Support

**Component:** Metropolitan Area Characteristics

PS-11. Relative proximity to a population center/city that has a population greater than 100,000.

PS-11. What is the distance in miles to the nearest population center/city that has a population greater than 100,000?

*Source: Data Call II (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-12. Relative proximity to the nearest commercial airport that offers regularly scheduled service by a major airline carrier.

PS-12. What is the distance in miles to the nearest commercial airport that offers regularly scheduled service by a major airline carrier?

*Source: Data Call II (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*

PS-13. Relative local crime rate.

PS-13. What is the FBI Crime Index for your activity's location (MHA)? (source: FBI Crime Index 2002; <http://www.fbi.gov/ucr/ucr.htm>) (Numeric)

*Source: Data Call II (Criterion 7)*

*Based on responses received, analyst will apply a function for zero credit to a maximum credit.*





SURFACE / SUBSURFACE FUNCTION MILITARY VALUE MATRIX

MV Matrix #	Supporting Question(s)	Data Call	DC Quest(s)	IAT Band	Matrix Scoring Statement	SC										Cost/MP Impl.	Weight										
						Readiness					Facilities							Surge Capabilities									
						OT	PC	EE	PS	OT	PC	EE	PS	OT	PC			EE	PS	OT	PC	EE	PS				
						23	13	10	2.5	2.5	7	6	3	2	2	5.3	3	3	2.3	3	2.3	3	3				
<b>PORT CHARACTERISTICS</b>																											
<b>Operational Location</b>																											
31	SEA-31			2	Relative value of the transit distance (safe navigation route) to sea.	5		1															8.8861				
32	SEA-32			2	Relative value of the transit distance (safe navigation route) to the 50 fathom curve.	5		1															2.0807				
33	SEA-33			2	Percent of the day the harbor channel allows CV/CVN transits.	5		1															2.0807				
34	SEA-34a-b			3	Relative impact of local weather on operations.	2		1															0.7214				
35	SEA-35			3	Relative value of proximity to the nearest weapons station.	2		1															1.0372				
36	SEA-36			3	Relative value of proximity to the nearest Explosive Ordnance Detachment support.	2		1															0.8872				
<b>Strategic Location</b>																											
37	SEA-37			1	Port location is of strategic military value.	7		1															3.438				
<b>Port Restrictions</b>																											
38	SEA-38			2	Relative impact of port / harbor restrictions on operations.	6		1															3.1117				
<b>Anti-Terror/Force Prot</b>																											
39	SEA-39a-b			2	Relative value of buildings which meet structural criteria and/or perimeter standoff criteria.	3																	0.6987				
40	SEA-40			2	Adequate space available for Entry Control Points to have vehicle search, holding areas, and rejection lanes.	3																	0.6987				
41	SEA-41			2	Relative value of utility (government or commercial; electric, or water) redundancy.	3																	0.6987				
<b>Locality Cost</b>																											
42	SEA-42a-b			3	Relative value of the locality cost.	3																	0.225				
<b>Supply and Storage</b>																											
43	SEA-43			3	Relative value of proximity to the nearest Fleet and Industrial Supply Center.	1																	0.4911				
																						Question Total					
																						18.25					

SURFACE / SUBSURFACE FUNCTION MILITARY VALUE MATRIX

MV Matrix #	Supporting Question(s)	Data Call	DC Quest(s)	IAT Band	Matrix Scoring Statement	SC												Weight								
						Readiness				Facilities				Surge Capabilities					Cost/MP Impl.							
						OT	PC	EE	PS	OT	PC	EE	PS	OT	PC	EE	PS		OT	PC	EE	PS				
44	ENV-1a-c			2	Relative value of known impediments to conducting dredging operations.	23	13	10	2.5	2.5	7	6	3	2	2	5.3	3	3	2.3	1.5	3.8	3	2.3	3	3	0.9048 0.9048 2.507
45	ENV-2a-g			2	Relative value of land constraints at the installation and its outlying real property which restrict current operations.									1												2.507 2.507 0.3214
46	ENV-3a-c			2	Relative value of external encroachments which restrict operations.																					0.3214 0.3214 0.5
47	ENV-4			3	Relative value of the costs associated with conducting the installation's environmental program.																					0.5 0.5 0.5
48	ENV-5a-c			3	Relative value of the capacity to dispose of solid or hazardous waste.																					0.5 0.5 0.5
49	ENV-6a-b			3	Relative value of potable water resource constraints.																					0.5 0.5 0.5
50	ENV-7a-c			2	Relative value of restrictions to in-water operations or testing/training activities conducted at the installation or at ranges that the installation manages due to environmental laws/regulations.																					1.4342 1.4342 1.0756 1.0756
51	ENV-8a-g			3	Relative value of air quality control issues due to current or proposed regulations.																					9.75 9.75
<b>Question Total</b>																						<b>9.75</b>				



Military Value Scoring  
Surface-Subsurface Function

Operational Infrastructure (38.5)	Weight	COMNAVARIANAS GU	NAS KEY WEST FL	NAS NORTH ISLAND CA	NAS PENSACOLA FL	NB VENTURA CTY PT MUGU CA	NAVSHIPYD PORTSMOUTH NH	NAVSHIPYD NORFOLK VA	NS BREMERTON WA	NS EVERETT WA	NS INGLESIDE TX	NS MAYPORT FL	NS NEWPORT RI	NS NORFOLK VA	NS PASCOGULA MS	NS PEARL HARBOR HI	NS SAN DIEGO CA	NAB LITTLE CREEK WA	SUBASE BANGOR WA	SUBASE KINGS BAY GA	SUBASE NEW LONDON CT	SUBASE SAN DIEGO CA	WPNSTA SEAL BEACH at CONCA	WPNSTA CHARLESTON SC	WPNSTA EARLE COLTS NECK N	WPNSTA YORKTOWN VA	NAVMAG PEARL HARBOR	BLOUNT ISLAND CMD JAX FL	NAVOPTESTU CAPE CANAVER	NSA PANAMA CITY FL		
1 SEA-1	1.08	1.05	1.38	1.05	1.04	1.23	1.90	3.14	1.11	1.15	2.20	1.04	4.15	1.04	4.15	4.15	4.15	1.78	1.05	1.15	1.23	1.08	0.00	1.11	1.05	0.00	0.00	0.00	0.00	0.00		
2 SEA-2	0.00	2.77	0.00	0.00	0.00	0.00	0.00	3.46	4.15	2.07	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3 SEA-3	4.1488	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
4 SEA-4	3.515	3.18	0.07	1.49	0.02	0.27	0.35	0.05	3.42	0.27	0.28	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5 SEA-5	2.51	0.00	0.70	0.96	1.01	1.12	0.92	1.13	1.21	1.14	0.95	0.37	2.26	0.61	2.51	0.75	3.04	1.58	0.61	1.69	0.00	0.58	0.01	0.15	0.39	0.10	0.04	0.00	0.03	0.01		
6 SEA-6	2.008	0.73	0.00	0.64	0.69	0.58	0.60	1.13	0.94	0.58	0.63	0.75	0.00	1.53	0.57	1.03	1.43	1.06	0.64	0.69	0.73	0.64	0.00	0.00	0.43	0.47	0.41	0.00	0.00	0.00		
7 SEA-7a-c	3.515	0.00	2.00	0.00	0.00	0.00	3.92	3.31	2.55	1.39	0.88	0.99	0.00	1.67	1.17	1.21	1.52	1.00	2.67	2.69	1.96	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8 SEA-8a-b	3.013	0.00	0.00	1.54	0.00	0.00	1.36	3.01	2.11	0.00	0.19	1.32	0.00	3.01	0.19	1.47	1.54	3.01	2.11	2.35	1.18	1.43	1.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
9 SEA-9	3.011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
10 SEA-10	0.686	0.00	0.00	0.69	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.86	2.31	0.01	0.00	3.01	0.00	3.01	0.00	2.35	1.18	3.01	0.00	0.51	1.38	2.04	2.32	3.01	0.65	0.64	0.00	
11 SEA-11	0.686	0.00	0.00	0.69	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.86	2.31	0.01	0.00	3.01	0.00	3.01	0.00	2.35	1.18	3.01	0.00	0.51	1.38	2.04	2.32	3.01	0.65	0.64	0.00	
12 SEA-12	1.671	0.08	0.44	0.44	0.88	0.37	1.33	1.67	1.67	1.08	0.29	1.18	0.15	0.15	0.39	1.54	0.00	0.44	0.54	0.29	0.59	0.16	0.20	0.20	0.69	0.10	0.00	0.00	0.00	0.00	0.00	
13 SEA-13	2.058	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
14 SEA-14	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
15 SEA-15	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16 SEA-16	2.074	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17 SEA-17	0.83	0.83	0.83	0.70	0.69	0.83	0.00	0.00	0.00	0.11	0.57	0.00	0.09	0.10	0.00	0.00	0.00	0.00	0.83	0.20	0.43	0.16	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
18 SEA-18	0.477	0.27	0.15	0.48	0.48	0.48	0.38	0.11	0.00	0.09	0.08	0.07	0.27	0.12	0.06	0.20	0.13	0.08	0.36	0.05	0.19	0.48	0.34	0.29	0.18	0.48	0.14	0.26	0.32	0.48	0.48	
<b>Operational Infrastructure TOTAL</b>		8.89	4.15	14.32	4.32	5.73	13.73	20.71	23.85	11.91	5.32	14.64	4.73	26.61	4.71	22.88	14.46	13.94	20.06	13.60	12.32	10.66	3.98	7.93	8.38	5.50	8.94	3.97	4.03	2.42	2.42	
<b>Operational Training (24.5)</b>																																
19 SEA-19	1.888	0.00	0.00	1.89	0.00	0.12	0.35	1.89	1.32	1.89	1.89	1.89	1.89	1.89	0.00	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	0.00	1.89	0.00	1.89	1.89	1.89	1.89	1.89	1.89
20 SEA-20	0.00	0.00	1.89	0.00	0.12	0.70	1.87	1.86	1.64	1.89	1.89	1.89	1.89	1.89	0.00	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	0.00	1.89	0.00	1.89	1.89	1.89	1.89	1.89	1.89
21 SEA-21	2.517	0.00	0.00	2.52	0.00	0.19	0.49	2.51	2.48	2.19	0.00	1.99	1.85	2.52	0.00	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	0.00	2.52	0.00	2.52	2.52	2.52	2.52	2.52	2.52
22 SEA-22	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 SEA-23	0.629	0.00	0.00	0.63	0.00	0.04	0.23	0.63	0.62	0.55	0.63	0.47	0.63	0.63	0.00	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.00	0.63	0.00	0.63	0.63	0.63	0.63	0.63	0.63
24 SEA-24	1.85	0.00	0.00	0.68	0.88	0.00	0.00	1.73	0.56	0.00	0.07	0.29	0.26	1.73	0.00	0.41	0.68	1.73	0.47	1.03	0.28	0.68	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 SEA-25	3.146	2.94	3.15	3.15	3.15	2.81	3.14	2.71	2.74	1.03	3.01	2.29	3.15	2.92	3.15	3.15	3.15	3.15	2.74	3.01	2.47	3.15	1.68	2.13	1.98	3.11	3.15	2.98	2.31	3.04	3.04	3.04
26 SEA-26	2.517	2.28	2.52	2.46	2.52	2.43	2.50	2.35	2.41	2.29	2.38	2.34	2.21	2.43	2.40	2.74	2.43	2.40	2.74	2.40	2.41	1.62	2.50	1.34	2.13	1.58	2.32	2.21	2.39	2.08	2.43	2.43
27 SEA-27	3.146	3.15	2.40	3.15	3.15	3.10	3.15	2.98	3.10	3.15	0.76	3.15	3.15	3.02	2.88	3.15	3.15	3.05	3.15	3.08	3.15	3.15	3.12	3.03	2.71	2.84	3.15	3.15	3.15	3.15	3.15	
28 SEA-28	3.146	3.15	2.40	3.15	3.15	2.96	2.73	3.14	3.15	3.15	3.15	3.01	2.62	3.15	2.88	2.87	3.02	3.15	3.01	3.15	3.01	2.39	3.02	1.68	3.15	2.06	3.11	2.87	2.98	2.73	3.15	
29 SEA-29	3.146	0.00	2.40	3.02	3.15	3.09	0.00	0.00	3.07	2.43	0.76	1.89	0.00	0.00	2.88	3.00	3.04	0.00	3.15	1.89	0.00	3.04	1.68	0.00	0.00	3.00	3.00	3.00	3.00	3.00	3.00	
30 SEA-30	0.629	0.63	0.63	0.63	0.63	0.22	0.63	0.22	0.63	0.01	0.10	0.04	0.00	0.63	0.05	0.00	0.53	0.16	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
<b>Operational Training TOTAL</b>		12.14	13.50	23.03	16.61	15.82	11.17	20.86	19.43	17.26	12.71	20.00	16.49	20.39	13.91	22.24	22.55	21.03	20.20	21.08	17.47	23.09	10.12	11.16	13.19	20.03	21.53	19.98	12.88	12.59	12.59	
<b>Port Characteristics (18.25)</b>																																
31 SEA-31	2.0807	2.08	2.08	1.96	2.03	2.08	2.08	0.94	0.00	0.00	1.84	2.08	2.08	1.31	1.79	2.08	1.84	1.67	0.00	1.42	2.06	2.08	0.06	0.85	2.01	0.37	2.03	2.03	1.96	1.92	1.92	
32 SEA-32	2.0807	2.08	2.07	1.99	1.30	2.08	1.91	0.00	0.20	0.47	1.13	0.29	0.14	0.06	0.29	2.08	1.91	0.61	1.27	0.29	0.00	2.08	0.58	1.44	0.00	0.00	2.08	0.09	1.46	1.46	1.46	
33 SEA-33	2.0807	2.08	0.00	0.52	1.04	0.00	1.48	0.35	2.08	2.08	2.08	0.37	0.00	1.48	0.00	2.08	0.00	0.00	2.08	0.00	0.00											



DCN 506  
**Military Value Scoring**  
**Surface-Subsurface Function**

Ranking	DoN Activity	Military Value
1	NS PEARL HARBOR HI	74.50
2	NS NORFOLK VA	67.51
3	NAVSHIPYD NORFOLK VA	64.03
4	SUBASE KINGS BAY GA	63.51
5	NS BREMERTON WA	63.25
6	SUBASE BANGOR WA	62.98
7	NS SAN DIEGO CA	61.43
8	NAS NORTH ISLAND CA	59.68
9	SUBASE SAN DIEGO CA	58.29
10	NAVMAG PEARL HARBOR	58.24
11	NAB LITTLE CREEK VA	55.90
12	NS MAYPORT FL	55.71
13	NS EVERETT WA	50.68
14	SUBASE NEW LONDON CT	50.68
15	NAVSHIPYD PORTSMOUTH NH	48.21
16	COMNAVMAIANAS GU	47.67
17	NAS PENSACOLA FL	45.85
18	BLOUNT ISLAND CMD JAX FL	45.78
19	WPNSTA YORKTOWN VA	44.91
20	WPNSTA CHARLESTON SC	43.31
21	NB VENTURA CTY PT MUGU CA	42.86
22	NS NEWPORT RI	42.36
23	NS INGLESIDE TX	42.23
24	NAS KEY WEST FL	40.59
25	WPNSTA EARLE COLTS NECK NJ	39.07
26	NAVORDTESTU CAPE CANAVERAL FL	37.71
27	NS PASCAGOULA MS	37.08
28	NSA PANAMA CITY FL	33.73
29	WPNSTA SEAL BEACH at CONCORD CA	30.82

Summary Stats:	
Max:	74.50
Min:	30.82
Range:	43.68
Mean:	50.64
Median:	48.21
Std Dev.	10.97

Shaded Activities Represent "Non-Active" Bases

DCN 508  
**Military Value Scoring**  
**Surface-Subsurface Function**

Ranking	DoN Activity - Active Bases Only	Military Value
1	NS PEARL HARBOR HI	74.50
2	NS NORFOLK VA	67.51
3	SUBASE KINGS BAY GA	63.51
4	NS BREMERTON WA	63.25
5	SUBASE BANGOR WA	62.98
6	NS SAN DIEGO CA	61.43
7	NAS NORTH ISLAND CA	59.68
8	SUBASE SAN DIEGO CA	58.29
9	NAB LITTLE CREEK VA	55.90
10	NS MAYPORT FL	55.71
11	NS EVERETT WA	50.68
12	SUBASE NEW LONDON CT	50.68
13	COMNAVMARIANAS GU	47.67
14	NS INGLESIDE TX	42.23
15	WPNSTA EARLE COLTS NECK NJ	39.07
16	NS PASCAGOULA MS	37.08

Summary Stats:	
<b>Max:</b>	74.50
<b>Min:</b>	37.08
<b>Range:</b>	37.42
<b>Mean:</b>	55.64
<b>Median:</b>	57.10
<b>Std Dev.</b>	10.12147