

ADDENDUM  
TO  
REQUEST FOR LETTER OF AUTHORIZATION  
UNDER SECTION 101(A)(5)(A) OF THE MARINE MAMMAL PROTECTION ACT  
INCIDENTAL TO NAVAL SEA SYSTEMS COMMAND NAVAL UNDERSEA  
WARFARE CENTER DIVISION, KEYPORT MISSION ACTIVITIES  
SUBMITTED APRIL 2008

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1. Executive Summary LOA pg. ES-3

*COMMENT: This reflects actual process under ESA*

REPLACE

For species listed and protected under the Endangered Species Act (ESA), modeling indicates that blue whales, fin whales, humpback whales, north Pacific right whales, sei whales, sperm whales and resident killer whales may be exposed to sound levels that may affect these species. The ongoing ESA Section 7 consultation will examine the anticipated responses and any associated fitness consequences for these ESA-listed species to determine if MMPA incidental harassment authorization is required for a certain subset of the predicted exposures.

WITH

The ESA endangered or threatened listed species that NMFS has jurisdiction over that may occur in the NAVSEA NUWC Keyport Range Complex study area include the blue whale, fin whale, humpback whale, northern Pacific right whale, southern resident killer whale, sei whale, sperm whale, and stellar sea lion. The exposure modeling for these marine mammals was completed using the same methodology as that for non-ESA listed species. The Navy has begun consultation with NMFS pursuant to Section 7 of ESA for mission activities in the Keyport Range Complex study area.

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2. Section 1.3.4 LOA pg 13, paragraph 3

*COMMENT: This is consistent with Figure 1-2 on page14 of the LOA Application.*

REPLACE

“Keyport Range Site: Keyport Range Alternative 1 (Preferred Alternative) – extend range boundaries to the north, east and south, increasing the size of the range from 1.5 nm<sup>2</sup> to 1.7 nm<sup>2</sup> (5.1 km<sup>2</sup> to 5.9 km<sup>2</sup>) “

WITH

“Keyport Range Site: Keyport Range Alternative 1 (Preferred Alternative) – extend range boundaries to the north, east and south, increasing the size of the range from 1.5 nm<sup>2</sup> to 3.2 nm<sup>2</sup> (5.1 km<sup>2</sup> to 11 km<sup>2</sup>) “

3. Replace Table 1-4, LOA pg. 15 with the table below.

*COMMENT: Table inadvertently truncated. Missing information provided.*

**Table 1-4 Proposed Annual Range Activities and Operations**

<i>Range Activity</i>	<i>Platform/System Used</i>	<i>Proposed Number of Activities/Year*</i>		
		<i>Keyport Range Site</i>	<i>DBR C Site</i>	<i>QUTR Site</i>
<b>Test Vehicle Propulsion</b>	Thermal propulsion systems	5	130	30
	Electric/Chemical propulsion systems	55	140	30
<b>Other Testing Systems and Activities</b>	Submarine testing	0	45	15
	Inert mine detection, classification and localization	5	20	10
	Non-Navy testing	5	5	5
	Acoustic & non-acoustic sensors (magnetic array, oxygen)	20	10	5
	Countermeasure test	5	50	5
	Impact testing	0	10	5
	Static in-water testing	10	10	6
	UUV test	45	120	40
	Unmanned Aerial System (UAS) test	0	2	2
<b>Fleet Activities**</b> (excluding RDT&E)	Surface Ship activities	1	10	10
	Aircraft activities	0	10	10
	Submarine activities	0	30	30
	Diver activities	45	5	15
<b>Deployment Systems</b> (RDT&E)	Range support vessels:			
	Surface launch craft	35	180	30
	Special purpose barges	25	75	0
	Fleet vessels***	15	20	20
	Aircraft (rotary and fixed wing)	0	10	20
	Shore and pier	45	30	30

\* There may be several activities in 1 day. These numbers provide an estimate of types of range activities over the year.

\*\* Fleet activities in the NAVSEA NUWC Keyport Range Complex do not include the use of surface ship and submarine hull-mounted active sonars.

\*\*\* As previously noted, Fleet vessels can include very small craft such as SEAL Delivery Vehicles.

4. Replace Tables 6-23 through 26, LOA pgs. 171-173 with the tables below

COMMENT: Tables 6-23 through 6-26 changed to only address requested numbers of takes for the preferred alternative including the established range operational procedures. One harbor porpoise take added for preferred alternative and footnote added.

Table 6-23

Estimated Annual MMPA Level B Exposures for Inland Water - Keyport Range Site

	TTS (Level B) Physiological Exposures	Risk Function Sub- TTS Behavioral Exposures
Harbor Seal	41	109
Total Level B Exposures (by criteria method)	41	109

Table 6-24

Estimated Annual MMPA Level B Exposures for Inland Water – DBRC Site

	TTS (Level B) Physiological Exposures	Risk Function Sub- TTS Behavioral Exposures
Killer whale	0	0
California sea lion	0	109
Harbor Seal	1,998	3,320
Total Level B Exposures (by criteria method)	1,998	3,429

Table 6-25

## Estimated Annual MMPA Level B Exposures for Open Water – QUTR Site

	TTS (Level B) Physiological Exposures	Risk Function Sub- TTS Behavioral Exposures
<u>Endangered &amp; Threatened Species</u>		
Blue whale	0	0
Fin whale	0	0
Humpback whale	0	0
Sei whale	0	0
Sperm whale	0	0
Killer whale	0	0
Steller sea lion	0	0
<u>Non-ESA Listed Species</u>		
Minke whale	0	0
Gray whale	0	0
Dwarf and pygmy sperm whale	0	0
Baird's beaked whale	0	0
Mesoplodons	0	0
Risso's dolphin	0	0
Pacific white-sided dolphin	0	0
Short-beaked common dolphin	0	0
Striped dolphin	0	0
Northern right whale dolphin	0	0
Dall's porpoise	0	0
Harbor porpoise	1	11,282*
Northern fur seal	0	44
California sea lion	0	5
Northern elephant seal	0	14
Harbor seal	23	78
Total Level B Exposures (by criteria method)	24	11,423*

\* For only harbor porpoises, the model results are from a step function with 100% of the population exposed to 120 dB.

Table 6-26

Combined Estimated Annual MMPA Level B Exposures (TTS and Behavior) for Proposed Annual RDT&E Activities at All Sites

	TTS (Level B) Physiological Exposures	Risk Function Sub- TTS Behavioral Exposures
<u>Endangered &amp; Threatened Species</u>		
Blue whale	0	0
Fin whale	0	0
Humpback whale	0	0
Sei whale	0	0
Sperm whale	0	0
Killer whale	0	0
Steller sea lion	0	0
<u>Non-ESA Listed Species</u>		
Minke whale	0	0
Gray whale	0	0
Dwarf and pygmy sperm whale	0	0
Baird's beaked whale	0	0
Mesoplodons	0	0
Risso's dolphin	0	0
Pacific white-sided dolphin	0	0
Short-beaked common dolphin	0	0
Striped dolphin	0	0
Northern right whale dolphin	0	0
Dall's porpoise	0	0
Harbor porpoise	1	11,282*
Northern fur seal	0	44
California sea lion	0	114
Northern elephant seal	0	14
Harbor seal	2,062	3,507
Total Level B Exposures (by criteria method)	2,063	14,961

\* For only harbor porpoises, the model results are from a step function with 100% of the population exposed to 120 dB.