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In accordance with the Letters of Authorization
Under the MMPA and ITS authorization under
the ESA 09 November 2015

NWTT Annual Unclassified Exercise Report

**09 November 2017 through
08 November 2018
Third Year**

**For The U.S. Navy's
Northwest Training and Testing (NWTT)
Study Area**

09 February 2019

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ANNUAL NORTHWEST TRAINING AND TESTING UNCLASSIFIED EXERCISE REPORT

INTRODUCTION

The U.S. Navy prepared this unclassified version of the Annual Report covering the period from 09 November 2017 through 08 November 2018. In compliance with the National Marine Fisheries Service (NMFS) Final Rule under the Marine Mammal Protection Act (MMPA) for the Northwest Training and Testing (NWTT) Study Area, a classified version of this report is also submitted to NMFS.

In the NWTT Study Area Letter of Authorization, requirements for “Monitoring and Reporting” are specified in paragraph 7(e). The information in this Annual Report represents the best practical data collection for this period. Only unclassified information is present within this report.

(1) Description of the Level of Training Conducted in the NWTT During the Reporting Period

The level of training within the NWTT Study Area continues to be low. Use of all authorized sound sources was well within the amounts described and analyzed in the NWTT EIS/OEIS and the NWTT Letter of Authorization.

(2) NWTT – Summary of Impulsive and Sonar Sources Used During Training

(i) Total annual usage of each type of sonar sound sources.

Table 2-1. Training active acoustic sound source usage within the NWTT Study Area by source bin.

(2)(i) Authorized training sound sources 50 CFR § 218.140	Authorized Amount (09 Nov 17- 08 Nov 18)	Actual Usage (09 Nov 17- 08 Nov 18)	% Used of Authorized Amount
MF1	166 hours	*	*
MF3	70 hours	*	*
MF4	4 hours	*	*
MF5	896 items	*	*
MF11	16 hours	*	*
HF1	48 hours	*	*
HF4	384 hours	*	*
HF6	192 hours	*	*
ASW2	720 items	*	*
ASW3	78 hours	*	*

*Information is presented in the classified version of this report

(ii) Total annual expended/detonated rounds (missiles, bombs, etc.)

Table 2-2. Training explosive sound source usage within the NWTT Study Area by source bin.

(2)(i) Authorized training sound sources 50 CFR § 218.140		Authorized Amount (09 Nov 17- 08 Nov 18)	Actual Usage (09 Nov 17- 08 Nov 18)	% Used of Authorized Amount
E1	0.1 lb. to 0.25 lb. NEW	48 detonations	0 detonation	0%
E3	>0.5 lb. to 2.5 lb. NEW	6 detonations	0 detonation	0%
E5	>5 lb. to 10 lb. NEW	80 detonations	5 detonations	6.25%
E10	>250 lb. to 500 lb. NEW	4 detonations	0 detonations	0%
E12	>650 lb. to 1,000 lb. NEW	10 detonations	0 detonations	0%

(iii) Comparison of all years of the authorization

Table 2-3. 5-year cumulative training active acoustic sound source usage within the NWTT Study Area by source bin.

Sound Source Bin	(2)(iii) Active Acoustic Sources Used During Annual Training					
	Year 1 Actual Usage (09 Nov 15 – 08 Nov 16)	Year 2 Actual Usage (09 Nov 16 – 08 Nov 17)	Year 3 Actual Usage (09 Nov 17 – 08 Nov 18)	5-Year Authorized Amount (09 Nov 15 – 08 Nov 20)	5-Year Cumulative Usage (09 Nov 15 – 08 Nov 20)	% Used of 5-Year Authorized Amount
MF1	*	*	*	830 hours	*	*
MF3	*	*	*	350 hours	*	*
MF4	*	*	*	20 hours	*	*
MF5	*	*	*	4,480 items	*	*
MF11	*	*	*	80 hours	*	*
HF1	*	*	*	240 hours	*	*
HF4	*	*	*	1,920 hours	*	*
HF6	*	*	*	960 hours	*	*
ASW2	*	*	*	3,600 items	*	*
ASW3	*	*	*	390 hours	*	*

*Information is presented in the classified version of this report

Table 2-4. 5-year cumulative training explosive sound source usage within the NWTT Study Area by source bin.

Sound Source Bin	(2)(iii) Explosive Sources Used During Annual Training					
	Year 1 Actual Usage (09 Nov 15 – 08 Nov 16)	Year 2 Actual Usage (09 Nov 16 – 08 Nov 17)	Year 3 Actual Usage (09 Nov 17 – 08 Nov 18)	5-Year Authorized Amount (09 Nov 15 – 08 Nov 20)	5-Year Cumulative Usage (09 Nov 15 – 08 Nov 20)	% Used of 5-Year Authorized Amount
E1	0	1	0	240 detonations	1	<1%
E3	0	1	0	30 detonations	1	3%
E5	0	10	5	400 detonations	15	4%
E10	0	0	0	20 detonations	0	0%
E12	0	0	0	50 detonations	0	0%

(3) Annual Number of Explosive Training Exercises Conducted

Table 3-1. Explosive training exercises within the NWTT Study Area.

Type of Explosive Exercise	Number of Exercises
EOD UNDETS	1 (1 < E1 0.1 lb.)
HE Bombing Exercises	0
HE Missile Exercises	0
HE Gunnery Exercises	5

(4) Special NWTT Reporting Areas for Mid-Frequency and High-Frequency Sonar Use

(i) Annual amount of MF and HF sonar use in the Olympic Coast National Marine Sanctuary

The use of Mid-Frequency and High-Frequency sonar within the boundaries of the Olympic Coast National Marine Sanctuary Area did not exceed annual authorized levels.

(ii) Amount of MF/HF sonar use (May-Nov) in the Humpback Whale Northern Washington Feeding Area

The use of Mid-Frequency and High-Frequency sonar within the boundaries of the Humpback Whale Northern Washington Feeding Area did not exceed annual authorized levels.

(iii) Amount of MF/HF sonar use (May-Nov) in the Stonewall and Heceta Bank Feeding Area

The use of Mid-Frequency and High-Frequency sonar within the boundaries of the Stonewall and Heceta Bank Feeding Area did not exceed annual authorized levels.

(iv) Amount of MF/HF sonar use (Mar-May) in the Grey Whale Northern Puget Sound Feeding Area

The use of Mid-Frequency and High-Frequency sonar within the boundaries of the Gray Whale Northern Puget Sound Feeding Area did not exceed annual authorized levels.

Actual amounts of sonar use in these areas were provided to the National Marine Fisheries Service in the classified version of this report.