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Annual Range Complex Unclassified Exercise Report

YEAR 3

02 May 2012 to 01 May 2013

**For The U.S. Navy's
Northwest Training Range Complex (NWTRC)**

01 July 2013



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NORTHWEST TRAINING RANGE COMPLEX YEAR 3 ANNUAL EXERCISE REPORT

INTRODUCTION

The U.S. Navy prepared this Year 3 Annual Range Complex Exercise Report covering the period from 02 May 2012 to 01 May 2013 in compliance with the National Marine Fisheries Service (NMFS) Final Rule under the Marine Mammal Protection Act for the Northwest Training Range Complex (NWTRC). Actual amount of sonar use within U.S. Navy training ranges is classified and this data has been forwarded to the National Marine Fisheries Service in the classified version of the NWTRC annual exercise report.

The following report subsections are specified by the National Marine Fisheries Service (NMFS):

- (1) Anti-submarine warfare (ASW) summary
 - (i) Total annual hours of each type of sonar source
 - (ii) Cumulative impact report

- (2) Improved Extended Echo Ranging (IEER)/Advanced Extended Echo Ranging (AEER) summary
 - (i) Total number of IEER events
 - (ii) Total expended/detonated rounds (buoys)
 - (iii) Total number of self-scuttled IEER rounds

- (3) Explosives summary
 - (i) Total annual number of each type of explosive exercises
 - (ii) Total annual expended/detonated rounds for each explosive type

(1) ASW summary

(i) Total annual hours of each type of sonar source

Table 1. Authorized sources per §218.112 of NMFS' NWTRC Final Rule and Navy sonar use.

System	Type ¹	Metric	NMFS Authorized		Navy 5-Year Used Since 12 Nov 2010	Navy Annual Used 02 May 2012 to 01 May 2013	% Total Used of 5-Year Authorized	% Total Used of Annual Authorized
			5-Year	Annual Average				
(i) AN/SQS-53	HM	hours	215	43	*	*	*	*
(ii) AN/SQS-56	HM	hours	325	65	*	*	*	*
(iii) AN/BQQ-15	HM	hours	210	42	*	*	*	*
(iv) AN/SSQ-62 DICASS	AS	# of buoys	4,430	886	*	*	*	*
(v) AN/SSQ-125 (AEER)	AS	# of buoys	745 ²	149 ²	*	*	*	*
(vi) Range Pingers	TR	hours	900	180	*	*	*	*
(vii) PUTR Uplink	TR	hours	750	150	*	*	*	*

Notes:
¹ HM= hull-mounted active sonar; AS= active acoustic sonobuoy; TS= torpedo active sonar; TR= transponder
² in combination with AN/SSQ-110A IEER sonobuoy
 *Actual amount of sonar use within U.S. Navy training ranges is classified and this data has been forwarded to the National Marine Fisheries Service in the classified version of this annual exercise report.

(ii) Cumulative Impact Summary

As with similar reports for other Navy range complexes, positional plots of hull-mounted sonar use within a given region, including NWTRC, is classified national security information. There is no method to declassify the sensitivity of this data in order to publish this type of information in an unclassified report. For this reason the only method available for this information to be reported for the foreseeable future is in the classified annual exercise reports that are submitted annually to the National Marine Fisheries Service.

(2) Improved Extended Echo Ranging (IEER)/Advanced Extended Echo Ranging (AEER) Summary.

Table 4. IEER and AEER use in the NWTRC.

Period	(i) # Events	(ii) # Expended	(ii) # Detonated	(iii) # Self-scuttled
02 May 2012 to 01 May 2013	*	*	*	*

* Actual amount of sonar use within U.S. Navy training ranges is classified and this data has been forwarded to the National Marine Fisheries Service in the classified version of the NWTRC annual exercise report.

(3) Explosives Summary

Table 5. Authorized explosive sources per §218.112 of NMFS' NWTRC Final Rule and Navy use.

(i) Exercise Type	NMFS Authorized		Navy Used		% Total Used of 5-Year Authorized	% Total Used of Annual Authorized
	<u>5-Year</u>	<u>Annual Average</u>	<u>5-Year</u>	<u>Annual</u> 02 May 2012 to 01 May 2013		
(A) Surface to Surface Gunnery (S-S GUNEX)	1,700	340	30	30	1.8%	8.8%
(B) Bombing Exercise (BOMBEX)	150	30	3*	0	0%	0%
(C) IEER/AEER Sonobuoy Deployments	745	149	35	****	****	****
(D) Demolitions, Mine Warfare, and Mine Countermeasure Training Exercises	20	4	1	1	.5%	25%
(ii) Explosive Type						
(A) 5" naval gun round***			120	120**	.01%	4.95
(B) 76 mm naval gun round***			179	179	5.95%	24.9%
(C) MK-82 aerial bomb			0	0	0%	0%
(D) Demolition charge			1	1	.5%	25%
(E) AN/SSQ-110A sonobuoy			****	0	****	****

*All Non Explosive Practice Munitions (NEPM)

**Four rounds of HE, 116 rounds NEPM

***Based on annual totals listed in table 2 of the NWTRC Final Rule

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