

DEPARTMENT OF THE NAVY

COMMANDER UNITED STATES PACIFIC FLEET 250 MAKALAPA DRIVE PEARL HARBOR HI 96860-3131

> 5090 Ser N46/0162 March 12, 2025

Office Director, Office of Protected Resources National Marine Fisheries Service National Oceanic and Atmospheric Administration B-SSMC3, Room 13821 1315 East-West Highway Silver Spring, MD 20910–3282

Dear Director:

On behalf of Commander, U.S. Pacific Fleet, enclosed is a copy of the Hawaii and Southern California Training and Testing (HSTT) Study Area Annual Training Report for the sixth year of the authorization. The classified annex of this report will be delivered separately.

This report is submitted pursuant to the reporting requirements for the HSTT Study Area Marine Mammal Protection Act authorization.

Please extend my thanks to your staff for their continued support of the U.S. Navy's compliance process. We are available to discuss with you or your staff should you have comments regarding this report or recommendations for future reports. My point of contact for these matters is Mr. Ben Kostenbader at 808-471-4683 or arnold.r.kostenbader.civ@us.navy.mil.

Sincerely,

J. H. BEATTIE
Captain, U.S. Navy
Deputy Fleet Civil Engineer
By direction

Enclosure: 2024 HSTT Study Area Annual Training Report, Year 6

Prepared for and submitted to:

National Marine Fisheries Service Office of Protected Resources

Prepared by:

Department of the Navy

In accordance with the Letters of Authorization Under the MMPA and ITS authorization under the ESA 10 July 2020

2024 Hawaii/SOCAL Training & Testing (HSTT) Study Area Annual Training Report

21 December 2023 to 20 December 2024 Year 6

21 MARCH 2025

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HAWAII-SOUTHERN CALIFORNIA TRAINING AND TESTING STUDY AREA TRAINING REPORT

INTRODUCTION

The U.S. Navy prepared this Annual Training Report covering the period from 21 December 2023 to 20 December 2024 in compliance with the National Marine Fisheries Service (NMFS) Final Rule, Letters of Authorization (LOA), and Incidental Take Statements under the Marine Mammal Protection Act (MMPA) and Endangered Species Act (ESA) authorizations for the U.S. Navy's Hawaii-Southern California Training and Testing (HSTT) Study Area.

In the HSTT Final Rule and Letters of Authorization¹, the following report subsections were specified and are present within this report:

- (1) Major Training Exercises (MTEs)
 - (i) Exercise information (for each MTE)
 - (ii) Individual marine mammal sighting information for each sighting in each exercise when mitigation occurred
 - (iii) Evaluation (based on data gathered during all MTEs) of the effectiveness of mitigation measures designed to minimize the received level to which marine mammals may be exposed
- (2) Sinking Exercises (SINKEXs)
 - (i) Exercise information (gathered for each SINKEX)
 - (ii) Individual marine mammal observation (by Navy Lookouts) information (gathered for each marine mammal sighting) for each sighting where mitigation was implemented
- (3) Summary of Sources Used
 - (i) Total annual hours or quantity (per the LOA) of each bin of sonar or other acoustic sources (pile driving and air gun activities)
 - (ii) Total annual expended/detonated ordnance (missiles, bombs, sonobuoys, etc.) for each explosive bin
- (4) Humpback Whale Special Reporting Area (December 15 April 15)
- (5) HSTT Study Area Mitigation Areas
- (6) Geographic Information Presentation
- (7) Sonar Exercise Notification

The information in this report represents the best practical data collection for this period.

Additionally, the U.S. Navy agreed to report sightings of aggregations of four or more whales within specified waters off of Southern California. This information is included in Section (8) of this report.

¹HSTT Requirements for Monitoring and Reporting, 50 CFR 218.75(e)(1) through (e)(7). The reporting requirements are also delineated in section 7(e) of the Training Letter of Authorization.

(1) HSTT - Major Training Exercises

This section summarizes authorized sonar use and marine mammal observations from MTEs conducted within the HSTT Study Area during the reporting period. The HSTT MTEs include Large Integrated Anti-Submarine Warfare, which consists of Composite Training Unit Exercises (C2X) and Rim of the Pacific Exercise (RIMPAC), and Medium Integrated Anti-Submarine Warfare, which consists of Fleet Exercises (FLEETEX), Sustainment Exercises (SUSTEX), and Undersea Warfare Exercises (USWEX).

(i) Exercise information

Table 1-1. MTEs conducted in the HSTT Study Area

(I) Wave height (high, low, average)	4,1,3	4,3,3
(H) Total hours of each active sonar source bin	*	*
(G) Total hours of all active sonar source operation	*	*
(F) Number and types of vessels, aircraft, and other platforms	*	*
(E) Number and types of passive acoustic sources used	*	*
(D) Number and types of active sonar sources used	*	*
(C) Location	SOCAL	HRC
(A) Exercise (B) Date began and designator ended (C) Location ty	10 May – 7 Jun 2024	8 Jul – 31 Jul 2024
(A) Exercise designator	C2X	RIMPAC

^{*}Information is presented in the classified annex to this report.

(ii) Individual marine mammal sighting information for each sighting in each exercise when mitigation occurred

	Lookouts must report, in plain language and without trying to categorize in any way, the observed behavior of the animal(s) and if any calves were present	(M)	Swimming	Opening, right bearing drift	
Table 1-2. HSTT MTE - Individual Marine Mammal and Sea Turtle Mitigation Sighting Information: C2X 10 May - 7 Jun 2024	If source in use was hull- mounted, true bearing of animal from the vessel, true direction of vessel's travel, and estimation of animal's motion relative to vessel	(T)	Dolphin bearing 230T, ship course 225T, dolphin closing ship	Whale bearing NR, ship course NR, whale opening ship	
n: C2X 10 M	Whether operation of sonar sensor was delayed, or sonar was powered or shut down, and how long the delay	(K)	Shut down sonar	Powered down sonar	
g Informatio	Indication of whether animal was <200 yd, 200-500 yd, 500-1000 yd, 1000-2000 yd, or >2000 yd from sonar source	(L)	>2000	500-1000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sightin	Sound source in use at time of sighting (Y/V)	(I)	Y	¥	
gation	(mn) VilidisiV	(H)	10	10	
le Mit	Sea state (Beaufort scale)	(e)	- T	4	
Sea Turt	Length of time observers maintained visual contact with marine mammal (min)	(T)	5	23	
ımmal and	Indication of specific type of platform observation was made from	(E)	DDG	DDG	
ne Ma	Initial detection sensor	(a)	Vis	Vis	
Mari	Number of individuals	(C)	2	7	
dividual	Species	(B)	Dolphin	Whale	
MTE - In	ober schemische Setzelle eine Unteredolphische Setzelle eine Generationer und haben bezeiten		SOCAL	SOCAL	
HSTT!	Date/time/location of sighting	(A)	1505Z	1643Z	ported
Table 1-2			10-May	21-May	NR=not reported

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3. HSTT MTE-
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	Lookouts must report, in plain language and without trying to categorize in any way, the observed behavior of the animal(s) and if any calves were present	(M)
mmal and Sea Turtle Mitigation Sighting Information: RIMPAC 8 Jul – 31 Jul 2024	If source in use was hull- mounted, true bearing of animal from the vessel, true direction of vessel's travel, and estimation of animal's motion relative to vessel	(T)
n: RIMPAC	Whether operation of sonar sensor was delayed, or sonar was powered or shut down, and how long the delay	(K)
ig Informatio	Indication of whether animal was <200 yd, 200-500 yd, 500-1000 yd, 1000-2000 yd, or >2000 yd from sonar source	(I)
n Sightin	Sound source in use at time of sighting (Y/V)	(I)
tigatio	(mn) VillidisiV	(H) ig
e Mir	Sea state (Beaufort scale)	(c)
Sea Turt	Length of time observers maintained visual contact with marine mammal (min)	(F)
mmal and	Indication of specific type of platform observation was made from	(3 1)
ne Ma	Initial detection sensor	(a)
Mari	Number of individuals	(c)
Individua	Species Species	(B)
Table 1-3. HSTT MTE – Individual Marine Ma	Date/time/location of sighting	
Table 1-		

(iii) Evaluation (based on data gathered during all exercises) of effectiveness

There were two major training exercises conducted in the HSTT Study Area this reporting period (see **Table 1-4**). In support of these MTEs, the Navy conducted over 4,204 hours of Marine Species Awareness Training for at least 972 personnel prior to the beginning of these training exercises.

Table 1-4. HSTT Study Area Major Training Exercises.

MTE Type	Dates	# of Exercise Days	# of US Ships Involved (MFAS and non-MFAS)	# of Marine Mammal Mitigation Sightings	# of Marine Mammals
C2X	10 May - 7 Jun 2024	29	13	2	3
RIMPAC	8 Jul – 31 Jul 2024	24	16	0	0
	Total	53	29	2	. 3

HSTT Study Area Major Training Exercise Marine Mammal Observations When Mitigation Occurred

There were two marine mammal sightings over the course of the two MTEs in the HSTT Study Area (see **Table 1-4**) that required active sonar mitigation. The breakdown of sightings by species type is shown in **Table 1-5**.

Table 1-5. Total number of marine mammal sightings observed from Navy platforms when mitigation

occurred during Major Training Exercises.

Species Type	# of Sightings	% of Total Sightings	# of Marine Mammals	% of Total Number of Marine Mammals
Dolphins	1	50%	2	67%
Whales	1	50%	° 1	33%
Pinnipeds	0 ,	0%	0	0%
Turtles	0	0%	0	0%
Not recorded	0	0%	0	0%
Total	2		3	V .

SUMMARY: Mitigation Effectiveness and Navy Safety Zone Adherence

During this year's MTEs in the HSTT Study Area, prescribed NMFS mitigation zones were effectively applied in cases of observation of marine mammals within the applicable zone. **Table 1-6** depicts the maximum estimated received levels by the marine mammal at the time the mitigation measure was applied. In each case, the Permanent Threshold Shift (PTS) threshold is higher than the estimated maximum exposure level prior to mitigation which means that the marine mammal was unlikely to experience injury. During this reporting period the proper implementation of mitigation measures for sighted marine mammals is estimated to be highly effective at preventing exposures that may result in injury (e.g. PTS).

The two categories of mitigation measures (procedural mitigation and mitigation areas) outlined in the HSTT Final Environmental Impact Statement (EIS)/Overseas Environmental Impact Statement (OEIS) of October 2018 and approved by NMFS in the HSTT Training LOA were effective in appropriately mitigating exposure of marine mammals to sonar. Fleet commanders, aircrews and ship watch teams continue to improve individual awareness and enhance reporting practices. This improvement can be attributed to the various pre-exercise conferences, mandatory Marine Species Awareness Training (including online training required for watch standing qualifications), adherence to required active sonar mitigation zones, and application of lessons learned in marine mammal sighting and reporting.

Table 1-6. Sightings where sonar was on during detection of marine mammals, and the mitigation conducted.

15) Observed behavior	Swimming	Opening, right bearing drift
14) If source in use was hull- mounted, true bearing of animal from the vessel, true direction of vessel's travel, and estimation of animal's motion relative to vessel	Dolphin bearing 230T, ship course 225T, dolphin closing ship	Whale bearing NR, ship course NR, whale opening ship
13) DISTANCE ship would have moved given length of mitigation and nominal 10-knot ship speed (yds)	1,667	10,000
12) Estimate exposure AFTER mitigation (dB re 1uPa) ¹	None	<169-175
11) Number of minutes sonar mitigation applied	5	30
10) Estimate MAX exposure PRIOR to mitigation (dB re 1uPa) ¹	<169	<175-181
9) Mitigation (Sonar power- down, Sonar shutdown)	Shut down sonar	Powered down sonar
8) Range at which marine mammal sighted	>2000	500-1000
7) Length of time observed (min)	5	23
6) Platform	DDG	DDG
slammam aniram 10 # (& betighted	2	2
4) Species sighted	Dolphin	Whale
dynoM (E	May	May
5) MLE	C2X	C2X
noitsoo.J (I	SOCAL	SOCAL

¹Estimated exposure based on 20Log[R] spherical spreading propagation loss for ranges less than 1,000 yards and where nominal active sonar Source Level (SL) assumed to be 235 dB for CGs and DDGs. Actual operating parameters and oceanographic condition likely result in lower exposure. This calculation assumes exposure prior to mitigation. Once the animal was spotted at the range indicated, applied mitigation would have resulted in much lower to no exposures. NR=not reported

Exposure Assessment

Estimated exposures within 2,000 yards can be determined based on standard formulas of how sound propagates in water. Spherical spreading is generally valid within 1,000 yards from the sound source, and can be expressed as spreading loss (in dB from a source) equals 20logR (with "R" being range from the source in yards). Spherical spreading loss in the first 1,000 yards equates to 60 dB of loss. At ranges between 1,000 and 2,000 yards, the sound waves become trapped by the sea surface and bottom and cannot expand vertically. The spreading wave then forms an expanding cylinder. Cylindrical spreading loss in dB between two points can be calculated by using the formula (10logR2/R1), with "R2" being the longer range, and "R1" being 1,000 yards. Cylindrical spreading loss between 1,000 and 2,000 yards equates to an additional 3 dB of loss. By the time the wave has propagated to 2,000 yards. the sonar signal strength has decreased by a total of 63 dB. Using the AN/SQS-53 sonar as an example, transmitting at 235 dB and subtracting the 63 dB of spreading loss equates to an estimated sonar Receive Level (RL) of 172 dB at 2,000 yards. The spreading loss formulas are used to make very conservative assumptions about potential exposure. The formula is an estimation of spreading losses only and does not take into account other factors that could increase the total propagation losses such as oceanographic conditions, attenuation losses, scattering losses, and Navy-unique MFAS operating parameters which would result in slightly lower sonar transmit levels. Use of this approach to estimate potential RL at any given animal assumes the horizontal range from a visual sighting accounts for an animal across all depths at which an animal travels to predict the maximum, worst-case potential exposure. In other words, this estimated worst-case exposure is presented independent of the animal's actual depth level, since a) time and depth of current and previous dives cannot be deduced from a limited surface sighting, and b) oceanographic and tactical conditions influence actual sound propagation at different depths. Given the relative motion of ships and animals at sea, the time spent with any given exposure from surface ships is likely to be limited.

(2) HSTT – Sinking Exercises (SINKEXs)

Two SINKEX events were conducted in the HSTT Study Area during the reporting period, one on 11 July 2024 and one from 18-19 July 2024.

Table 2-1. SINKEX information for event on 11 July 2024.

(A) Location
Hawaii Range Complex
(B) Date and time exercise began and ended
0442 local, 11 July 2024 through 1944 local, 11 July 2024
(C) Total hours of observation by Lookouts before, during, and after exercise
28 hours
(D) Total number and types of explosive bins detonated
E1: 1,335 detonations E3: 35 detonations E4: 26 detonations E6: 5 detonations E11: 4 detonations E12: 1 detonation
(E) Number and types of passive acoustic sources used in exercise
1x BQQ-10 submarine hull-mounted sonar 20x SSQ-53 passive sonobuoys
(F) Total hours of passive acoustic search time
17 hours
(G) Number and types of vessels, aircraft, and other platforms participating in exercise
USNS GRASP (Non-ASW ship) USS TOPEKA (SSN) USAF 303 rd Fighter Squadron (A-10 aircraft) USAF 16 th Special Operations Squadron (AC-130 aircraft) RAN 808 Squadron (MH-60 helicopter aircraft)
USA 2-6 th Cavalry Squadron (AH-64 helicopter aircraft)

HSC-4 (H-60 helicopter aircraft)

VP-16, VP-69 (P-8 aircraft)

(H) Wave height in feet (high, low, average) during exercise

544

(I) Narrative description of sensors and platforms utilized for marine mammal detection and timeline illustrating how marine mammal detection was conducted

In addition to surface ship Lookouts, aircraft surveys were conducted throughout the day. Aircraft included H-60/64 helicopters and P-8 maritime patrol aircraft. 20 passive sonobuoys were deployed to monitor during the torpedo shot.

Timeline (all times local):

0442 Hulk released, set adrift

0602 Sunrise

0800 H-60 mammal survey complete

1205 P-8 mammal survey complete

1240 H-60 mammal survey complete

1400 H-64 mammal survey complete

1510 P-8 mammal survey complete

1820 P-8 mammal survey complete; buoy field deployed

1925 Sunset

1944 Hulk sunk

Table 2-2. SINKEX information for event on 18-19 July 2024.

(A) Location

Hawaii Range Complex

(B) Date and time exercise began and ended

0645 local, 18 July 2024 through 1033 local, 19 July 2024

(C) Total hours of observation by Lookouts before, during, and after exercise

31 hours

(D) Total number and types of explosive bins detonated

E5: 45 detonations

E10: 7 detonations

E11: 4 detonations

E12: 3 detonations

(E) Number and types of passive acoustic sources used in exercise

1x SQS-53 surface hull-mounted sonar

1x BQQ-10 submarine hull-mounted sonar

(F) Total hours of passive acoustic search time

56 hours

(G) Number and types of vessels, aircraft, and other platforms participating in exercise

USNS GRASP (Non-ASW ship)

USS TOPEKA (SSN)

USS FITZGERALD (DDG)

HMAS SYDNEY (Australia)

FGS BADEN-WUERTTEMBERG (Germany)

ROKS LEEBEOMSEOK (Republic of Korea)

HNLMS TROMP (Netherlands)

KDB DARUSSALAM (Brunei)

KDB DARULAMAN (Brunei)

KD KEKIU (Malaysia)

HSC-4 (H-60 helicopter aircraft)

VX-9 (F/A-18 aircraft)

USAF 337th Test and Evaluation Squadron (B-1 aircraft)

USAF 72nd Test and Evaluation Squadron (B-2 aircraft)

USAF 303rd Fighter Squadron (A-10 aircraft)

VMU-3 (UAV aircraft)

(H) Wave height in feet (high, low, average) during exercise

3,1,1

(I) Narrative description of sensors and platforms utilized for marine mammal detection and timeline illustrating how marine mammal detection was conducted

In addition to surface ship Lookouts, aircraft surveys were conducted throughout the exercise. Aircraft included H-60 helicopters, MQ-9 UAVs, and P-8 maritime patrol aircraft.

Timeline (all times local):

0605 Sunrise

0800 H-60 mammal survey complete

0741 Hulk released, set adrift

1346 MQ-9 mammal survey complete

1835 P-8 mammal survey complete

1923 Sunset

2050 Hulk still afloat; USS FITZGERALD conducts hazard to navigation notifications overnight

0605 Sunrise

1033 Hulk sunk

(3) HSTT – Summary of Sources Used

This section summarizes total annual usage of each type of sound source used for training within HSTT from 21 December 2023 to 20 December 2024, which constitutes Year 6 of the 7-year authorization.

(i) Total annual hours or quantity of each bin of sonar or other acoustic sources

Table 3-1. Annual Training Acoustic Source Usage within the HSTT Study Area by Source Bin

TT Final Rule	(21Dec23- 20Dec24)	(21Dec23- 20Dec24)	Authorized Amount
Used During Annual Training			
Pile driving (impact)	238 count	0	0%
/ibratory pile removal	238 count	0	0%
	Used During Annual Training Pile driving (impact) Vibratory pile removal	Used During Annual Training Pile driving (impact) 20Dec24) 238 count	Used During Annual Training Pile driving (impact) 20Dec24) 20Dec24) 20Dec24)

(ii) Total annual expended/detonated ordnance for each explosive bin

Table 3-2. Annual Training Explosive Source Usage within the HSTT Study Area by Source Bin

	Authorized sound sources from HSTT Final Rule	Authorized Amount (21Dec23- 20Dec24)	Actual Usage (21Dec23- 20Dec24)	% Used of Authorized Amount
(ii) E	xplosive Sources Used During Annual Training			
E1	Medium-caliber projectile	2,940 detonations	1,038	35%
E2	Medium-caliber projectile	1,746 detonations	4	<1%
E3	Large-caliber projectile	2,797 detonations	1,936	69%
E4	Mine neutralization charge	38 detonations	38	100%
E5	5-inch projectile	4,830 detonations	1,916	40%
E6	Hellfire missile	592 detonations	80	14%
E7	Demo block / shaped charge	13 detonations	13	100%
E8	Maverick missile	38 detonations	38	100%
E9	500 lb. bomb	450 detonations	450	100%
E10	Harpoon missile / 1000 lb. bomb	224 detonations	181	81%

E11	650 lb. mine	17 detonations	8	47%
E12	2,000 lb. bomb	21 detonations	12	57%
E13	Multiple Mat Weave charges	9 detonations	6	67%

Table 3-3. 7-year Cumulative Training Sound Source Usage within the HSTT Study Area by Source Bin

Sound Source Bin	Year 1 Actual Usage (21Dec18- 20Dec19)	Year 2 Actual Usage (21Dec19- 20Dec20)	Year 3 Actual Usage (21Dec20- 20Dec21)	Year 4 Actual Ūsage (21Dec21- 20Dec22)	Year 5 Actual Usage (21Dec22- 20Dec23)	Year 6 Actual Usage (21Dec23- 20Dec24)	7-yr Authorized Amount (21Dec18- 20Dec25)	7-yr Cumulative Actual Usage (21Dec18- 20Dec25)	% Used of 7-yr Authorized Amount
(i) Acoustic S	ources Used	During Annu	al Training					
Pile driving	0	0	0	0	0	0	1,666	0	0%
Pile removal	0	0	0	0	0	0	1,666	0	0%
See classifi	ied annex for	all other aco	ustic sources	Large - de	a series by		Landers of		
(ii) Explosive	Sources Used	d During Ann	ual Training					
E1	2,629	0	0	876	1,481	1,038	20,580	6,024	29%
E2	492	494	0	52	99	4	12,222	1,141	9%
E3	405	2,068	2,736	2,603	1,073	1,936	19,579	10,821	55%
E4	4	96	38	38	22	38	266	236	89%
E5	773	914	900	1,721	1,300	1,916	33,310	7,524	23%
E6	35	57	116	181	20	80	4,056	489	12%
E7	1	8	9	13	13	13	91	57	63%
E8	17	16	3	32	38	38	241	144	60%
E9	38	18	26	42	20	450	2,950	594	20%
E10	16	26	9	78	75	181	1,543	385	25%
E11	1	0	0	2	0	8	69	11	16%
E12	0	0	2	3	2	12	114	19	17%
E13	0	8	0	6	6	6	63	26	41%

(4) HSTT – Humpback Whale Special Reporting Area (December 15 – April 15)

The amount of surface ship hull-mounted mid-frequency active sonar used for training in the six Humpback Whale Special Reporting Areas from December 15 to April 15 is presented in the classified annex to this report.

(5) HSTT – HSTT Study Area Mitigation Areas

Table 5-1. Training Active Sonar & In-Water Explosive Usage within the Hawaii Island Mitigation Area (year-round)

	Actual Usage ¹	
Active Sonar	All Source Bins	*
In-Water Explosives	All Explosive Bins	0

¹MF1 usage did not exceed 300 hours and MF4 usage did not exceed 20 hours.

^{*}Information is presented in the classified annex to this report.

Table 5-2. Training Active Sonar & In-Water Explosive Usage within the 4-Islands Region Mitigation Area (November 15 through April 15 for active sonary year round for explosives)

(November 15 through April 15 for active sonar; year-round for explosives)

	Actual Usage	
Active Sonar	All Source Bins	*
In-Water Explosives	All Explosive Bins	0

^{*}Information is presented in the classified annex to this report.

Table 5-3. Training Active Sonar & In-Water Explosive Usage within the San Diego Arc Mitigation Area (June 1 through October 31)

	Authorized sound sources from HSTT Final Rule	Actual Usage ¹
Active Sonar	All Source Bins	*
In-Water Explosives	All Explosive Bins	0

¹Combined MF1 usage did not exceed 200 hours.

Table 5-4. Training Active Sonar & In-Water Explosive Usage within the San Nicholas Island Mitigation Area (June 1 through October 31)

	Actual Usage ¹	
Active Sonar	All Source Bins	*
In-Water Explosives	All Explosive Bins	0

Combined MF1 usage did not exceed 200 hours.

Table 5-5. Training Active Sonar & In-Water Explosive Usage within the Santa Monica/Long Beach Mitigation Area (June 1 through October 31)

	Actual Usage ¹	
Active Sonar	All Source Bins	*
In-Water Explosives	All Explosive Bins	0

¹Combined MF1 usage did not exceed 200 hours.

Table 5-6. Training Active Sonar & In-Water Explosive Usage within the Santa Barbara Island Mitigation Area (year-round)

	Actual Usage ¹	
Active Sonar	All Source Bins	*
In-Water Explosives	All Explosive Bins	0

^{*}Information is presented in the classified annex to this report.

(6) HSTT – Geographic Information Presentation

The precise locations and frequency of ASW training are classified. There is currently 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 available method for this information to be disseminated is in the classified annex of this report.

^{*}Information is presented in the classified annex to this report.

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(7) HSTT – Sonar Exercise Notification

The Navy submitted all required information to NMFS for all MTEs during the reporting period, including location of the exercise, beginning and end dates of the exercise, and type of exercise.

(8) HSTT - Southern California Whale Aggregation Reports

The Commander, THIRD Fleet Battle Watch Captain received one report of 4 or more whales in the Whale Reporting Box during the reporting period.

1) A sighting of 4 whales (February 2024) – 15 NM southwest of San Clemente Island