



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 96TH TEST WING (AFMC)
EGLIN AIR FORCE BASE FLORIDA

Mr. Bruce Hagedorn
Chief, Eglin Natural Resources
501 De Leon Street Suite 101
Eglin AFB FL 32542-5133

Ms. Jolie Harrison
Division Chief
Office of Protected Resources
National Marine Fisheries Service (NMFS)
1315 East-West Highway, SSMC3, Room 13805
Silver Spring, MD 20910-3226

Dear Ms. Harrison:

This annual report is being submitted as a summary of the following activities conducted in the Eglin Gulf Test and Training Range (EGTTR), for which Eglin has obtained authorizations under the Marine Mammal Protection Act (MMPA) from the National Marine Fisheries Service (NMFS): Airborne Littoral Reconnaissance Technologies (ALRT) test, Precision Strike Weapons (PSW) tests, Air Force Special Operations Command (AFSOC) Air-to-Surface (A-S) Gunnery Training, and Maritime Weapon Systems Evaluation Program (WSEP) Operations.

Airborne Littoral Reconnaissance Technologies (ALRT) Activities

ALRT [NMFS Consultation No. F/SER/2007/07557] as set forth in the biological opinions and Joint Coastal Permit (JCP) (0283065-001-JC) requirements. This section describes the actions taken to implement the Terms and Conditions (T & Cs) of the incidental take statement and JCP requirements.

The ALRT/Coastal Battlefield Reconnaissance Analysis (COBRA) collects signature data of obstacles, simulated mines, and barricades using both passive and active multispectral seeker/sensors in inland environments and littoral waters from several different systems and airframes. The sensors consist of passive multispectral receivers collecting imagery just as a video camera would, but some missions use a Class IV laser illuminator. Simulated mines, barriers, and obstacles (such as concrete blocks and concertina wire) may be placed on the beach and in inland areas, as well as in a separate specified marine area extending from the shore out to waters as deep as 4 meters (m) (13 feet [ft]) over an area 100 m (328 ft) wide (Figure 1).

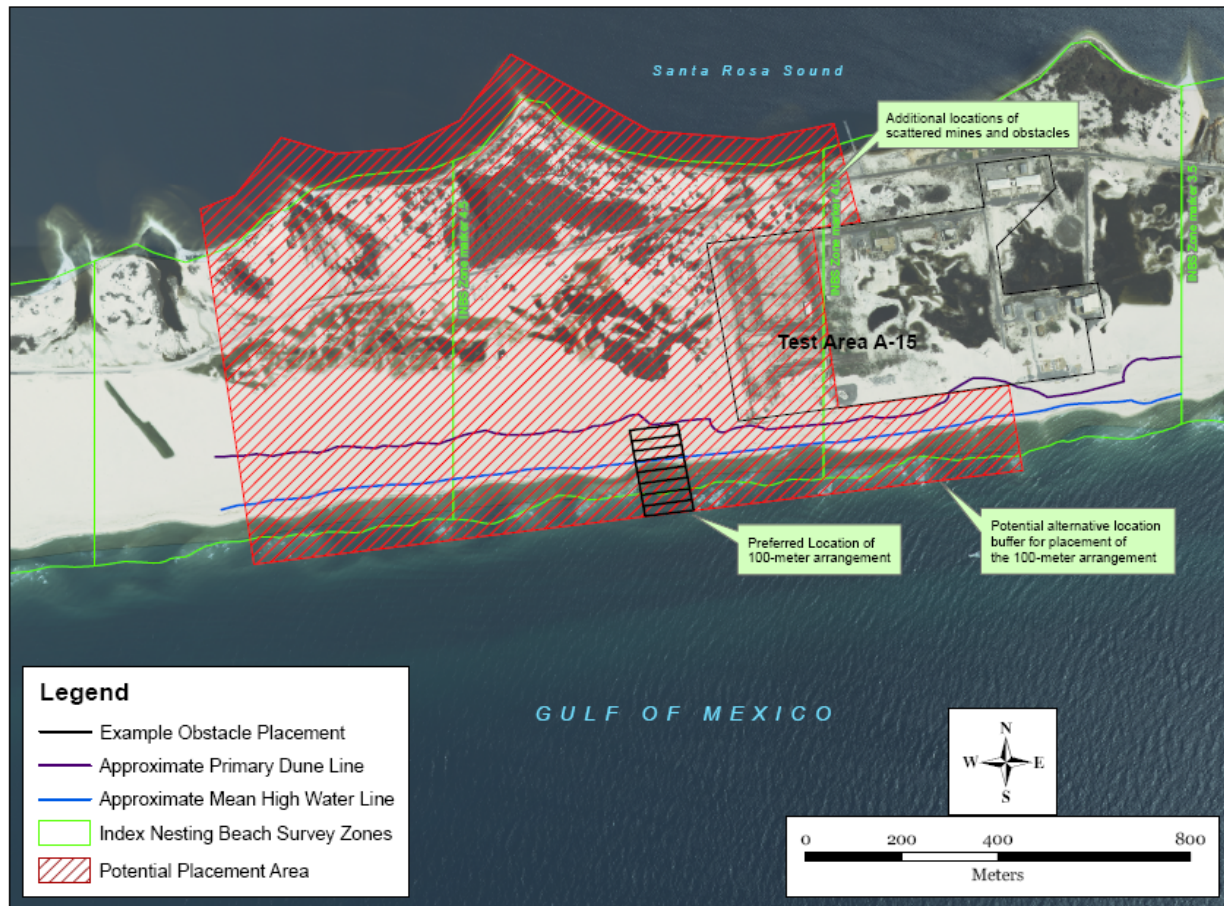


Figure 1. ALRT Target Areas at Test Area A-15

2016 Testing description:

On 4 December 2016, ALRT/COBRA mission personnel surveyed the test area and photographed beach areas for the mission. Set up on the beach and south of the dune line was accomplished on 8 and 9 December with testing occurring during 10-16 December. All objects were confirmed to be removed on 20 December. Eglin Natural Resources biologists were consulted during the entire event and performed pre-, during-, and post-surveys. Figures 2-4 show pre-test photographs, set up and execution, and post-cleanup of the mission.

Personnel placed mines and other items on the beach front and in the surfzone. Small US Navy boats and a larger Navy vessel with a small crane were used to place and retrieve objects. In-water objects were distributed in rows and buoys marked each location. During the pre-briefing, Eglin Natural Resources asked what type of objects were placed on the bottom. Navy personnel indicated that the targets were primarily 1-2 foot diameter circular balls tethered at certain distances from the surface/bottom along a taught anchor line with a buoy on top. Some objects were mine like objects on the sea floor. No objects had slack lines in the water nor were triangular to produce an entanglement risk. Given the nature of the objects and discussions with Navy personnel, no objects or inert mines were considered a hazard or entanglement issue to protected marine species. GPS analysis by Eglin Natural Resources personnel confirmed the objects were within the ALRT boundary on water and on land. A Navy vessel was stationed on site the entire

time to prevent a navigational hazard. All requirements from the Environmental Assessment, Biological Opinions, and the JCP were followed. Eglin Natural Resources ensured mission personnel did not disturb any dunes during the test event.



Figure 2. ALRT Pre-Test Photos

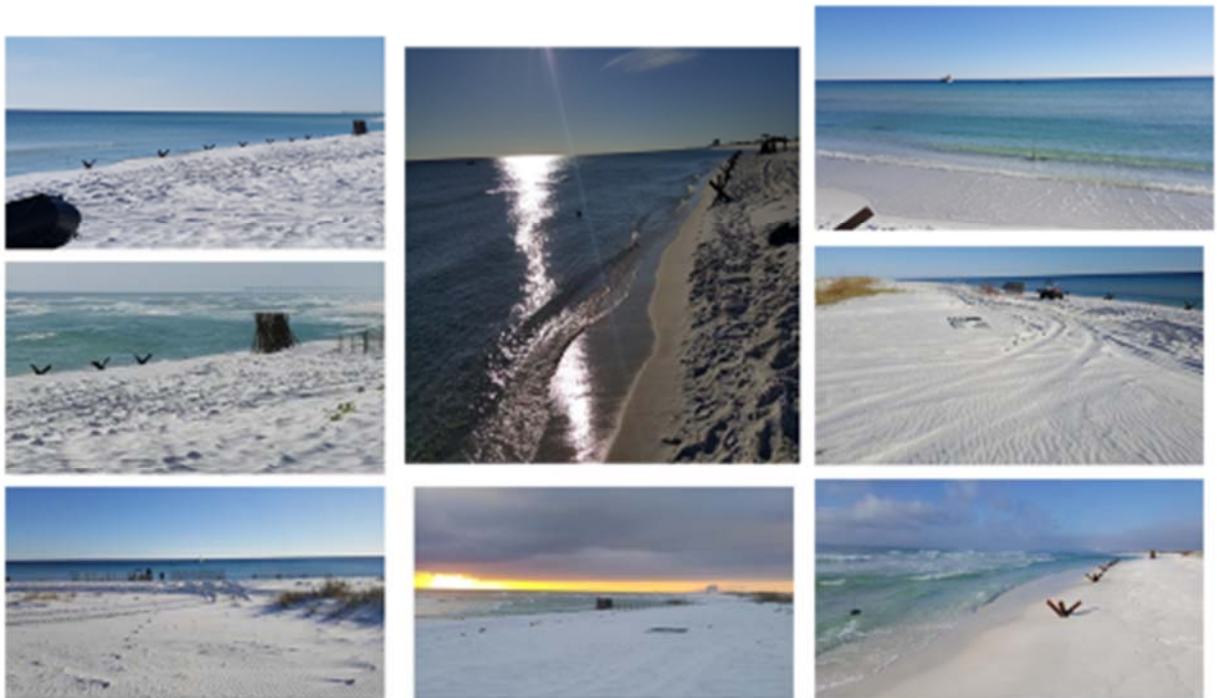


Figure 3. ALRT Test Set up and Execution



Figure 4. ALRT Cleanup and Post Survey

The test event occurred outside of sea turtle and shorebird nesting seasons. Eglin Natural Resources provided oversight of the test to ensure permit requirements were followed. Navy personnel communicated repeatedly and accurately with Eglin Natural Resources. Furthermore, continuous communications between the JCP Compliance Officer, FWC, and DEP were completed via email throughout all missions. ALRT personnel have a 10 year history of being excellence stewards of the environment and there have been zero impacts to natural resources or the barrier island ecosystem from ALRT testing.

Implementation Actions:

Pre-mission environmental suitability surveys were accomplished 4 December 2016. Eglin Natural Resources briefed protected species requirements to ALRT mission personnel on 8 December. Although the missions occurred outside of sea turtle and shorebird nesting season, proponent coordinated closely with Eglin Natural Resources. Pre- and post-mission surveys indicated no negative impacts to protected species or the environment. All sand dunes were avoided.

Surfzone (in-water) targets were utilized and continuous in-water mitigations/surveys were accomplished by Navy divers. No reports of the presences of any protected marine species during the test. All targets were checked, inventoried, and monitored by ALRT personnel confirming GPS locations of all objects. The same personnel over the past decade have been supporting this mission and are knowledgeable about the dune ecosystem and protected marine species. Biologists from Eglin Natural Resources performed surveys of the area. There were no protected species seen near A-15 during the missions.

Precision Strike Weapon (PSW) and Air Force Special Operations Command (AFSOC) Air-to-Surface (A-S) Gunnery Activities

A Joint Letter of Authorization (LOA) combining PSW testing and AFSOC A-S gunnery training activities was issued on March 5, 2014 and will expire on March 4, 2019. A Biological Opinion (BO) for PSW testing was issued on March 14, 2005 by the NMFS [Consultation No. F/SER/2004/00223] and another BO for AFSOC A-S gunnery training was issued on October 20, 2004 [Consultation No. F/SER/2003/00201].

Two PSW mission sets were conducted during the 2016 calendar year. The first mission set, a Small Diameter Bomb (SDB) mission, was scheduled November 1 - 4, 2016, with successful munitions deliveries only on November 2 and 3, 2016. Two detonations were completed each of those days. The SDBs were inert with no explosive material; however, they did have a live fuze that contains 0.4 lbs Net Explosive Weight (NEW) material. By conservatively doubling the 521 meter Temporary Threshold Shift (TTS) threshold for accumulated energy, adding a buffer zone for animals potentially swimming into ZOI, Eglin Natural Resources proposed to use a 2,084 meter (1.1 nautical mile) radius around targets for surveys. Two boats (Sturgeon 1 and Sturgeon 2) performed the survey in 40 minutes (Figure 5). No protected marine species or indicators were found. On November 1, 2016 the mission was not a success as the munition fuze failed and weapon was off target; therefore, no post-mission survey was completed. On November 4, 2016 the mission was canceled due to aircraft issues; therefore, no survey was completed. The protected species observer reports are found in Appendix A.

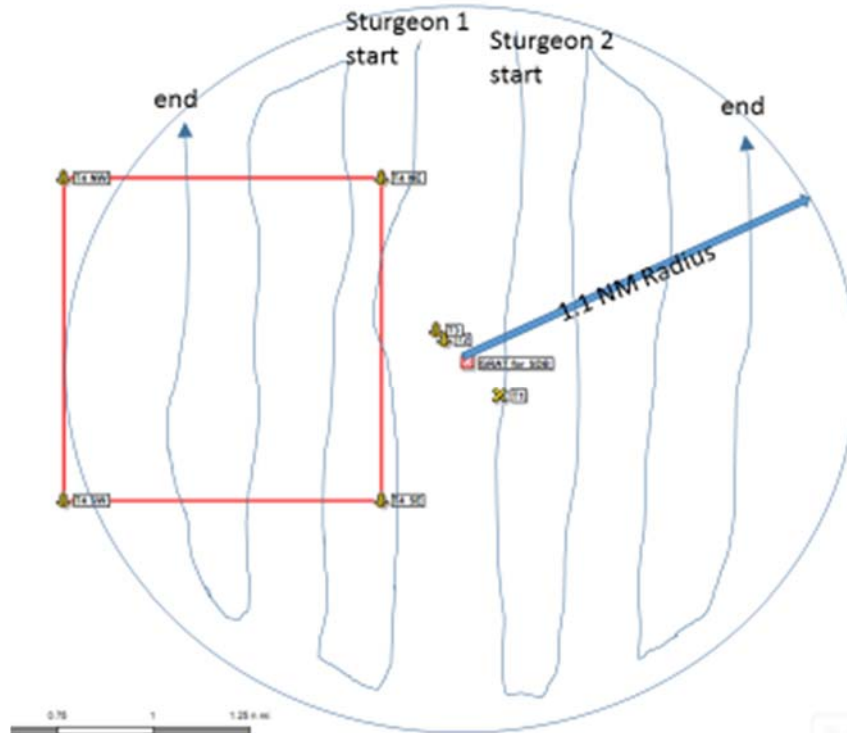


Figure 5. Survey Methodology for inert SDB with Live Fuze (note: red square is mission related and not part of survey methodology)

Another mission covered under the PSW consultation called Joint Air to Ground Missile (JAGM) was conducted on 12-7-16. One JAGM was released against a moving boat target. The JAGM has a NEW of 27.4 lbs and is programed to detonate on target (surface shot). By conservatively using the TTS zone of 1347 meters and adding a buffer zone for animals potentially swimming into ZOI, Eglin Natural Resources proposed to use a 2,084 meter (1.1 nautical mile) radius around targets for surveys. On 12-7-16 two boats (Sturgeon 1 and Sturgeon 2) performed the survey in 30 minutes (Figure 6). No protected marine species or indicators were found. The mission was a success and detonation was at 1250. Post mission surveys started approximately 30 minutes later and no protected species were observed. The protected species observer report is found in Appendix A.

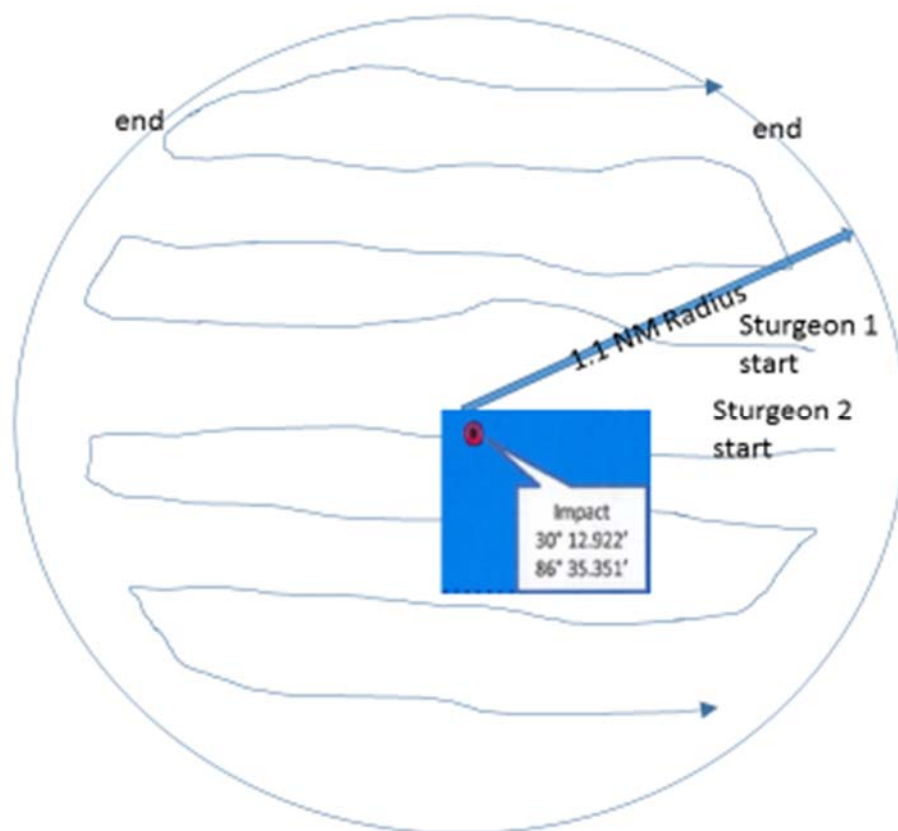


Figure 6. Survey Methodology for JAGM

Three A-S gunnery missions were conducted during the 2016 calendar year. Copies of all Protected Species Observer Report Forms are included in Appendix A of this report. Table 1 summarizes the results of the report forms.

Table 1. Summary of Air-To-Surface Gunnery Missions for 2016

Date of Mission	Sunset	Pre-Mission Surveys		Mission Times		Post-Mission Surveys		Rounds Used	# of Rounds Expended	Protected Species Observed?
		Start	End	Start	End	Start	End			
12 May 2016	7:59 PM	1800	1810	1810	1950	1950	2000	25 mm	550	No
								40 mm	196	
								105 mm TR	50	
17 Aug 2016	7:49 PM	1900	1928	1928	2048	2048	2115	25 mm	403	No
								40 mm	64	

FU = Full-Up; TR = Training Round; mm = millimeter

* Portions or entirety of mission was conducted 30 minutes prior to sunset or later [also highlighted in light blue]

Table 2 summarizes A-S gunnery mission activity from November 2014 through December 2015 and compares it with the annual allocations covered under the existing LOA and BO. As depicted below, the level of A-S gunnery activities conducted in the EGTTTR for this reporting period was well below the total amounts authorized per year.

Table 2. Comparison of Permitted vs. Actual Level of A-S Gunnery Mission Activities

	# Daytime Missions	# Nighttime Missions	25 mm	40 mm*	105 mm TR	105 mm FU
Total Annual Allotments	25	45	39,200	4,480	1,350	750
Actual Usage	0	3	953	260	50	0
Unused Allotments	25	42	38,247	4,220	1,300	750

Naval Explosive Ordnance Disposal School (NEODS) Training

On October 25, 2004 the BO for the NEODS Training (5-Year Plan) on EGTTTR [Consultation No. F/SER/2004/00361] was issued. A new 5-year LOA was issued on April 24, 2012. This LOA is valid until April 24, 2017. The BO and LOA require a summary report of mission information to the NMFS Southeast Regional Office Protected Resources Division and the NMFS Office of Protected Resources.

No missions involving live mines for the NEODS in the EGTTTR occurred during the 2016 calendar year.

Maritime Weapon Systems Evaluation Program (WSEP) Operational Testing

On December 15, 2014 the BO for Maritime Weapon Systems Evaluation Program (WSEP) Operational Testing was issued [Consultation No. SER-2014-14835]. The associated IHA was later issued on February 4, 2016. Terms and conditions of these permits require Eglin Natural Resources to submit a report to NMFS Southeast Regional Office Protected Resources Division and the NMFS Office of Protected Resources in Silver Spring upon completion of all testing activities. *Eglin Natural Resources submitted a Final Report to the NMFS's Office of Protected*

Resources on June 16, 2016. The report described Maritime WSEP activities conducted in 2016, the results of the pre- and post-mission surveys, and evaluated the effectiveness of Eglin's mitigation and monitoring procedures. A summary of this report is included below.

Eight Maritime WSEP missions were conducted between 11 February and 15-16 March, 2016, however not all munitions were released as planned. Of the eight planned mission days, live munitions were released only during three missions. Munitions that were actually dropped are compared to the total authorized amounts in the IHA and the BO in Table 3.

Table 3. Comparison of Proposed and Actual Live Munitions Released during 2016 Maritime WSEP Missions

Type of Munition	NEW (lbs)	Detonation Type	Total # in IHA & BO	# Released in 2016
GBU-10 or GBU-24	945 lbs	Surface	2	0
GBU-12 or GBU- 54 (LJDAM)	192 lbs	Surface	6	0
AGM-65 (Maverick)	86 lbs	Surface	6	3
CBU-105 (WCMD)	83 lbs	Airburst	4	0
GBU-38 (Laser Small Diameter Bomb)	37 lbs	Surface	4	0
AGM-114 (Hellfire)	20 lbs	Subsurface	15	12
		(10 ft depth)		
AGM-176 (Griffin)	13 lbs	Surface	10	0
2.75 Rockets	12 lbs	Surface	100	0
PGU-12 HEI 30 mm	0.1 lbs	Surface	1,000	0
.50 cal/7.62 mm	Inert	N/A	5,000	2,043

For Maritime WSEP Testing activities that occurred between February 11 and 15-16 March, 2016, eight sightings, updates to previous sightings, and potential indicators were reported during pre-mission surveys. Total protected species observed ranged between 25 and 29 individuals during the five days of protected marine species surveys. All sightings, but for one sea turtle, were dolphins. For one mission day, pre-mission surveys were extended and the mission was delayed to continue monitoring the protected species that were detected to ensure they cleared the ZOI and were swimming away from the target boat area. All other protected species were determined to be clear of the ZOI before the pre-mission surveys ended and the mission began. Post mission surveys did not have any sightings of protected species. This Final Report indicates that Eglin successfully implemented all mitigation and monitoring requirements outlined in the BO and IHA and no takes of protected species occurred.

Eglin Gulf Test and Training Range (EGTTR) Programmatic BO and LOA Request

Eglin Natural Resources submitted a Programmatic BA to NMFS SERO on September 17, 2015 for EGTTR testing and training missions (Consultation No. SER-2015-17273) and received the Biological Opinion on 13 January 2017. The Request for an LOA was submitted electronically to NMFS Office of Protected Resources on November 10, 2015. The LOA is being re-submitted

currently and planning to have it completed by August 2017. Future annual reports to NMFS will include updates in these consultation processes.

Eglin Natural Resources believes this satisfies annual reporting requirements for all actions with permits and authorizations from the NMFS. If you have any questions regarding this letter, please do not hesitate to contact either Mr. Rodney Felix (850) 883-1153 or myself at (850) 882-8391.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce Hagedorn", is written over the printed name.

BRUCE HAGEDORN
Chief, Eglin Natural Resources Office

Copy to:

- Mr. Karl Chavous, PSW
- Mr. Mike McGuire, PSW
- Mr. Kenneth Moe Bandy, JASSM
- Mr. Norman Mucklow, JASSM Test Programming Engineer (PSW)
- Mr. James Stott, Air Force Special Operations Command (AFSOC)
- Mr. Tim Andera, Naval Explosive Ordnance Disposal School (NEODS) Training
- Mr. Roger Moore, Maritime WSEP Program Engineer
- Stan Rogers, National Marine Fisheries Service
- John Lenz, 780 TS

Appendix A

PROTECTED SPECIES OBSERVER REPORTS

PROTECTED SPECIES OBSERVER REPORT FORM

Use a separate form for each mission day

****Complete this section regardless of whether or not protected species are sighted****

Date: 11/1/16	Observer Name: Jamie McKee/Brad Boykin	Type of survey: Vessel Survey
Mission Description: Small Diameter Bomb II Government Confidence Test; 780 TS (RCS 16-219)		
Mission Location: Latitude: 30 deg 07.06' Longitude: 86 deg 37.6W		
Type and # of Munitions used: Munition: <u>NA</u> Number released: <u>0</u>		
Were any protected species or indicators observed while en route*? <input checked="" type="radio"/> Y <input type="radio"/> N		
Arrival Time at Site (local): 0640	Sea State (see chart below): 2	
Pre-Mission Survey: Start time (local): 0700 End time (local): 0740		
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N		
Mission Times: Mission start time (local): <u>NA</u> Time(s) of detonation(s): <u>NA</u> Mission end time (local): <u>NA</u>		
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N		
Post-Mission Survey: Start time (local): <u>NA</u> End time (local): <u>NA</u>		
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N		
If the mission was cancelled due to environmental concerns, please state the reason(s): <u>The munition fuze failed, weapon was off target, and no detonation happened; therefore no post-mission survey was completed.</u>		

*If "Yes", complete the following section for each sighting that was observed.

Submit this completed form and any sighting information to
Eglin Natural Resources within 48 hours after completion of the mission.
POC: Amanda Robydek: amanda.robbydek.ctr@us.af.mil; 882-8395

To report a dead or injured protected animal:
Contact Rodney Felix at 883-1153 or Amanda Robydek at 882-8395 immediately.

Sea State Scale for Marine Mammal and Sea Turtle Observation

Scale Number	Sea Conditions
0	Flat calm, no waves or ripples
1	Small wavelets, few if any whitecaps
2	Whitecaps on 0-33% of surface; 0.3 to 0.6 m (1 to 2 feet) waves
3	Whitecaps on 33-50% of surface; 0.6 to 0.9 m (2 to 3 feet) waves
4	Whitecaps on greater than 50% of surface; greater than 0.9 m (3 feet) waves

By electronically signing this form, I certify that: 1) I have successfully completed the Marine Species Observer Training course within that last year. 2) I served as the Protected Species Observer for the mission described above. 3) I abided by all the mitigation requirements and monitoring procedures outlined in Eglin's Letter of Authorization for Precision Strike Weapons in the Eglin Gulf Test and Training Range. 4) All the information on this form is true and accurate to the best of my knowledge. 5) I agree to follow up with Eglin Natural Resources on any questions or requests for additional information.

Signature: KNIGHT, KELLY E. 1270537860

Signature must be printed in black ink. Do not use a stamp or signature that is not legible.

Date: 11/1/16

PROTECTED SPECIES OBSERVER REPORT FORM

Use a separate form for each mission day

****Complete this section regardless of whether or not protected species are sighted****

Date: 11/4/16	Observer Name: Kelly Knight/Rick Combs	Type of survey: Vessel Survey
Mission Description: Small Diameter Bomb II Government Confidence Test; 780 TS (RCS 16-219)		
Mission Location: Latitude: 30 deg 07.06' Longitude: 86 deg 37.6'W		
Type and # of Munitions used: Munition: NA Number released: 0		
Were any protected species or indicators observed while en route*? <input checked="" type="radio"/> Y <input type="radio"/> N		
Arrival Time at Site (local): 0630 Sea State (see chart below): 3		
Pre-Mission Survey: Start time (local): 0700 End time (local): 0740		
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N		
Mission Times: Mission start time (local): NA Time(s) of detonation(s): NA Mission end time (local): NA		
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N		
Post-Mission Survey: Start time (local): NA End time (local): NA		
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N		
If the mission was cancelled due to environmental concerns, please state the reason(s): Mission was cancelled due to aircraft issues, therefore no post-mission survey was completed.		

*If "Yes", complete the following section for each sighting that was observed.

Submit this completed form and any sighting information to
Eglin Natural Resources within 48 hours after completion of the mission.
POC: Amanda Robydek: amanda.robbydek.ctr@us.af.mil; 882-8395

To report a dead or injured protected animal:
Contact Rodney Felix at 883-1153 or Amanda Robydek at 882-8395 immediately.

Sea State Scale for Marine Mammal and Sea Turtle Observation

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Signature: KNIGHT.KELLY.E.1270537860

Signature required to certify validity of observations. This form is not valid without a signature.

Date: 11/9/16

PROTECTED SPECIES OBSERVER REPORT FORM

Use a separate form for each mission day

****Complete this section regardless of whether or not protected species are sighted****

Date:	12-7-16	Observer Name:	Mike Nunley	Type of survey:	Vessel Survey
Mission Description: Joint Air to Ground Munition (JAGM) test offshore					
Mission Location:					
Latitude:		30 12.922	Longitude:		86 35.351
Type and # of Munitions used:					
Munition:		JAGM 27 lb NEW	Number released:		1
Were any protected species or indicators observed while en route*? <input checked="" type="radio"/> Y <input type="radio"/> N					
Arrival Time at Site (local):		1100	Sea State (see chart below):		2
Pre-Mission Survey:					
Start time (local):		1100	End time (local):		1130
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N					
Mission Times:					
Mission start time (local):		1230			
Time(s) of detonation(s):		1250			
Mission end time (local):		1255			
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N					
Post-Mission Survey:					
Start time (local):		1330	End time (local):		1400
Were any protected species or indicators observed*? <input checked="" type="radio"/> Y <input type="radio"/> N					
If the mission was cancelled due to environmental concerns, please state the reason(s):					

**If "Yes", complete the following section for each sighting that was observed.*

Submit this completed form and any sighting information to
Eglin Natural Resources within 48 hours after completion of the mission.
POC: Amanda Robydek: amanda.robbydek.ctr@us.af.mil; 882-8395

To report a dead or injured protected animal:
Contact Rodney Felix at 883-1153 or Amanda Robydek at 882-8395 immediately.

Sea State Scale for Marine Mammal and Sea Turtle Observation

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Signature: NUNLEY, JERRY MICHAEL JR. 1266625797

Date: 12-7-16

PROTECTED SPECIES OBSERVER REPORT FORM

Use a separate form for each mission day

****Complete this section regardless of whether or not protected species are sighted****

Date: 12 MAY 16	Observer Name: CAPT WILDER	Organization: 4 SOS
Mission Description: LIVE FIRE		
Mission Location: Latitude: N 30 04.50 Longitude: W 086 42.09		
# of rounds used (enter for all that apply): 59 25 mm 196 40 mm 105 mm Full Up 50 105 mm Training Round 30 mm Other (please specify):		
Were any protected species or indicators observed while en route*? Y (N)		
Arrival Time (Local) at Site: 1800		
Pre-Mission Survey: Start time (Local): 1800 End time (Local): 1810		
Were any protected species or indicators observed*? Y (N)		
Mission Times: Start time (Local): 1810 End time (Local): 1950		
Were any protected species or indicators observed*? Y (N)		
Post-Mission Survey: Start time (Local): 1950 End time (Local): 2000		
Were any protected species or indicators observed*? Y (N)		
If the mission was cancelled due to environmental concerns, please state the reason(s):		

*If "Yes", complete the following section for each sighting that was observed.

Submit this completed form and any sighting information to the Eglin Natural Resources within 48 hours after completion of the mission.

POC: Amanda Robydek: amanda.robbydek.ctr@eglin.af.mil; 882-8395

To report a dead or injured protected animal:

Daytime Missions POC: Jeremy Preston – 850-883-1153

Nighttime Missions POC: Jeremy Preston – 850-612-0902 or

Bruce Hagedorn – 850-902-6004

Sea State Scale for Marine Mammal and Sea Turtle Observation

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PROTECTED SPECIES OBSERVER REPORT FORM

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****Complete this section regardless of whether or not protected species are sighted****

Date: 17 Aug 16	Observer Name: Spooky 44	Organization: 4 SOS
Mission Description: MSN 0937 AC-130U Towed target live fire Spooky 44. Live Fire between the two points below.		
Mission Location: N 24 59.5 Longitude: W 086 21.9		
Latitude: N 30 05.8 Longitude: W 086 21.9		
# of rounds used (enter for all that apply): 403 25 mm 64 40 mm 105 mm Full Up 105 mm Training Round 30 mm Other (please specify):		
Were any protected species or indicators observed while en route*? Y (N)		
Arrival Time (Local) at Site: 1900 Z		
Pre-Mission Survey: Start time (Local): 1900 Z End time (Local): 1928 Z		
Were any protected species or indicators observed*? Y (N)		
Mission Times: Start time (Local): 1928 Z End time (Local): 2048 Z		
Were any protected species or indicators observed*? Y (N)		
Post-Mission Survey: Start time (Local): 2048 Z End time (Local): 2115 Z		
Were any protected species or indicators observed*? Y (N)		
If the mission was cancelled due to environmental concerns, please state the reason(s):		

*If "Yes", complete the following section for each sighting that was observed.

Submit this completed form and any sighting information to the Eglin Natural Resources within 48 hours after completion of the mission.

POC: Amanda Robydek: amanda.robbydek.ctr@eglin.af.mil; 882-8395

To report a dead or injured protected animal:

Daytime Missions POC: Jeremy Preston – 850-883-1153

Nighttime Missions POC: Jeremy Preston – 850-612-0902 or

Bruce Hagedorn – 850-902-6004

Sea State Scale for Marine Mammal and Sea Turtle Observation

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4	Whitecaps on greater than 50% of surface; greater than 0.9 m (3 feet) waves

PROTECTED SPECIES OBSERVER REPORT FORM

Use a separate form for each mission day

****Complete this section regardless of whether or not protected species are sighted****

Date: 9/13/16	Observer Name: Springer	Organization: 8 SOS
Mission Description: Live Fire in W-151		
Mission Location: Latitude: N 30.00.00 Longitude: W86.38.97		
# of rounds used (enter for all that apply): 25 mm 40 mm 105 mm Full Up 105 mm Training Round 30 mm 100 Other (please specify): 50 CAL		
Were any protected species or indicators observed while en route*? Select one		
Arrival Time (Local) at Site: Sea State(see chart below): Select one		
Pre-Mission Survey: Start time (Local): 2300 End time (Local): 2310		
Were any protected species or indicators observed*? No		
Mission Times: Start time (Local): 2310 End time (Local): 2315		
Were any protected species or indicators observed*? No		
Post-Mission Survey: Start time (Local): 2315 End time (Local): 2325		
Were any protected species or indicators observed*? No		
If the mission was cancelled due to environmental concerns, please state the reason(s):		

***If "Yes", complete the following section for each sighting that was observed.**

To report a dead or injured protected animal:

Daytime Missions POC: Rodney Felix: 883-1153 or Amanda Robydek: 882-8395

Nighttime Missions POC: Justin Johnson: 978-3251 or Bruce Hagedorn: 902-6004

Sea State Scale for Marine Mammal and Sea Turtle Observation

Scale Number	Sea Conditions
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1	Small wavelets, few if any whitecaps
2	Whitecaps on 0-33% of surface; 0.3 to 0.6 m (1 to 2 feet) waves
3	Whitecaps on 33-50% of surface; 0.6 to 0.9 m (2 to 3 feet) waves
4	Whitecaps on greater than 50% of surface; greater than 0.9 m (3 feet) waves

Sign and submit this completed form and sighting information to Eglin Natural Resources within 48 hours after completion of the mission.

POC: Amanda Robydek: amanda.robbydek.ctr@us.af.mil; 882-8395

By electronically signing this form, I certify that: 1) I have successfully completed the Marine Species Observer Training course within that last year. 2) I served as the Protected Species Observer for the mission described above. 3) I abided by all the mitigation requirements and monitoring procedures outlined in Eglin's Letter of Authorization for Air-to-Surface Gunnery Missions in the Eglin Gulf Test and Training Range. 4) All the information on this form is true and accurate to the best of my knowledge. 5) I agree to follow up with Eglin Natural Resources on any questions or requests for additional information.

Signature: SPRINGER,RYAN.SCOTT.1283425530

Date: 9/13/16