



25 June 2024

**Subject: Final 2023 Long Term Management Letter Report
Aerial Rocket Range Target #1 Munitions Response Site
Former Nantucket Ordnance Site
Nantucket Island, Massachusetts
Contract No. W912DR22C0044**

Section 1 Introduction

GSI North America, Inc. (GSINA) under contract to the United States Army Corps of Engineers (USACE), Baltimore District as Contracting District and New England District as Project Management District, is performing long term management (LTM) of land use controls (LUCs) at the Aerial Rocket Range Target #1 Munitions Response Site (MRS) located within the Former Nantucket Ordnance Site, Nantucket Island, Massachusetts (MA). The Former Nantucket Ordnance Site is assigned to Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) under the FUDS Property Number D01MA045601.

1.1 Purpose and Scope

This annual LTM Report documents LTM activities performed at the Aerial Rocket Range Target #1 MRS in accordance with the LUC Implementation Plan (LUCIP) (USACE, 2018) and Performance Work Statement for contract W912DR22C0044 entitled “*Implement Land Use Controls and Five-Year Reviews for Various Sites Within Massachusetts*” dated 24 August 2022. The annual activities outlined in the LUCIP include inspecting and maintaining unexploded ordnance (UXO) hazard awareness signs, conducting UXO awareness training sessions, distributing 3R’s (recognize, retreat, and report) explosives safety educational materials, conducting interviews with local officials and property owners, and obtaining a summary of UXO related activity at the MRS from the Unexploded Ordnance Detachment out of Quonset Point, the Massachusetts State Bomb Squad and/or local Police. These requirements are also presented as a checklist in Attachment F.

The annual LTM Reports will be submitted to the Massachusetts Department of Environmental Protection (MassDEP), and additional local stakeholders as needed for review and comment, and will be included as an attachment to the Comprehensive Environmental Response, Compensation, and Liability Act Five-Year Review Reports.

Section 2 Sign Inspection and Maintenance

On 26 June 2023, a site visit was conducted by GSINA personnel Mr. Mark Sprouse and Mr. Larry deVries. Ms. Carol Ann Charette, USACE PM, also participated in the inspections to provide quality assurance oversight of the procedures being used. The purpose of the site visit was to inspect the conditions of the signs installed on site and evaluate the current site conditions. The weather conditions were cloudy in the morning and sunny in the afternoon with a temperature of

approximately 70 to 85 degrees Fahrenheit. Each sign, its location, and general vicinity were evaluated in terms of site conditions.

2.1 Sign Conditions

During the site visit, GSINA personnel inspected the six sign locations at the Aerial Rocket Range Target #1 MRS. The signs were located as designated in the LUCIP as shown on the Sign Location Figure in Attachment B. Three of the signs were missing from their expected locations and three were cleaned and noted to be in good condition (including the display surfaces, support posts, and frames). Signs were sprayed with CLR cleaner, the cleaner was allowed to sit 3-5 minutes, signs were then scrubbed with a stiff bristle brush, and then wiped dry with paper towels. The three missing signs were near the Tom Nevers Ball Field, Land Bank Commission Property, and New South Road. It was noted that the sign at the East Forked Pond Valley location was worn, but still functional. The locations of the three remaining signs were recorded during the field visit using hand-held global position system units. The sign inspection form and the photo documentation log including photos of the signs are included in Attachment B. Sign recommendations are summarized in Section 6.

2.2 Site Conditions

Current site conditions were evaluated as part of the annual inspection. GSINA personnel walked the areas of the beach in the vicinity of the signs and between the signs, assessing site conditions in terms of erosion regarding exposure of munition items and potential impacts to the proper functioning of the LUCs.

Site conditions are described relative to the location of the signage for easier geographical reference (see Site Location Figure, Attachment B). Significant erosion was seen at some locations and may impact the proper functioning of the LUCs in terms of the signs remaining in place. Most current sign locations are still a safe distance from the beach so as not to be in jeopardy of being washed out to sea. Mr. Nick Larabee, Director of Land Management at the Nantucket Conservation Foundation, attended the UXO awareness training and mentioned to GSINA personnel that he had witnessed significant erosion of the beaches in the area over the past year. Photos were taken along the beach near each sign location as shown in the photo documentation log (Attachment B). The site inspection form is included in Attachment C. No munitions or munitions-related debris were observed during the inspections.

GSINA/USACE queried the Town of Nantucket Building Department to determine whether major construction activities have occurred in the past year (June 2022 to June 2023) within the MRS that impacted the functioning of the LUCs and LTM program. The Town of Nantucket Building Department has been non-responsive. During the site walk, GSINA did not observe any indications of construction or intrusive activities. Continued erosion of the beach may impact the signage and sign locations in the future. This will need to be reevaluated during each annual inspection based on severity and continued erosion that may put the sign in jeopardy. Recommendations for sign locations are presented in Section 6.

Section 3 UXO Awareness Training

UXO awareness training was held on 26 June 2023. The training was conducted in person at the Nantucket Conservation Foundation on Nantucket Island as well as virtually through the Microsoft Teams application. The PowerPoint presentation generated by GSINA was approved by USACE in June 2023. The training included general 3Rs (Recognize, Retreat, Report) practices as well as site-specific information regarding types of munitions that could potentially be encountered.

All parties listed in the LUCIP distribution list (Table 3-1 of the LUCIP [USACE, 2018]) were invited to the training, including first responders (local police and fire department personnel). The in-person and virtual attendees were recorded on a sign-in sheet (Attachment A). Several parties could not attend the presentation in person and will be sent a link to a training video once approved by USACE. At least one attendee tried to attend via webinar but was not successful due to scheduling/timing issues. Site-specific educational materials were handed out to the in-person training attendees. All parties listed in Table 3-1 of the LUCIP who did not attend the in-person training were contacted and chose to receive the educational materials digitally rather than through the mail. These digital submittals were included with the correspondence discussed in Section 4 .

Section 4 Annual Community Survey Questionnaires

A requirement of the LUCIP was to conduct interviews with stakeholders and community members about the site conditions. GSINA used questionnaire forms to conduct interviews via phone and email and used the Interview Call list to track progress. The responses received and tracking sheet are presented in Attachment D. Contact information for the parties was obtained from Table 3-1 in the LUCIP (USACE, 2018). The responses to the questionnaire did not indicate that changes were needed to the LTM measures in place. GSINA confirmed during the site walk that there had been no changes to site use.

Section 5 EOD Activity

Local Police/Fire Departments as well as the MA State Police Bomb Squad and Navy Explosive Ordnance Disposal (EOD), were contacted regarding any incidents within the previous year. As of the date of this draft, no ordnance incidents were reported at the Nantucket site within the previous year (June 2022 to June 2023).

Note: USACE continues to attempt to obtain all EOD reports for all projects currently undergoing LTM. Unfortunately, obtaining complete reports or any report at all has been an ongoing challenge as EOD reports are not produced for all EOD responses. A contact with the Navy EOD informed GSINA that obtaining formal EOD response reports now requires a Freedom of Information Act Request. Reports that are provided are usually inadequate as well, and often do not provide specific information such as the site/project name and/or grid coordinates of the location of the munition response. Our requests and the challenge of obtaining all reports with complete information has been elevated up the USACE chain of command; if and when these EOD reports are obtained, they will be provided.

Section 6 Recommendations

At the East Forked Pond Valley sign location, it was noted that the sign could be relocated and/or a new additional sign could be installed to cover traffic at an additional nearby beach path. The

other two remaining signs were at the West Forked Pond Valley and Russell Way Road locations. At these locations, it was noted that significant erosion could be seen at the beach areas nearest to the signs. These sign locations should be reevaluated annually taking into account the continued retreat of the beach.

GSINA noted that the Town of Nantucket had given the beach paths number designations since the LUCIP was generated. It is recommended that the number designations be added to each location in addition to the current sign designations to better identify the sign locations in future reports. It is also recommended that the LUCIP be updated to reflect the current sign locations, removing signs that are no longer in place and noting newly installed sign locations.

Signs were missing from the following locations and will need to be re-installed/replaced:

- Tom Nevers Ball Field;
- Land Bank Commission Property; and
- New South Road.

The support bases for the signs at the Tom Nevers Ball Field and Land Bank Commission Property locations were still in place and in good condition. It was noted that the Tom Nevers Ball Field sign was in a poor location, away from beach traffic. The Land Bank Commission Property sign was mentioned to be in a decent spot for visibility, though significant erosion was seen at the beach nearby. The sign and support base were missing entirely from the New South Road location and evidence of significant erosion was seen nearby. Table 6-1 below summarizes the recommendations for each sign location.

Table 6-1: Sign Recommendation Summary

Sign Location	Recommendations
Tom Nevers Ball Field	Sign is missing and needs replacement. Post still in place. Sign location is away from pedestrian traffic and should be moved.
Land Bank Commission Property	Sign is missing and needs replacement. Post still in place. Beach erosion may impact this location in the future. Sign location should possibly be moved inland.
New Beach Access Path	New proposed sign location.
East Forked Pond Valley	Sign should be relocated to be viewed from both beach paths.
West Forked Pond Valley	No action needed.
New South Road	Sign and post are missing and need replacement. Beach erosion is impacting sign location. It should be placed further inland.
Russel Way Road	No action needed.
New Vehicle Road Sign	New proposed sign location.

GSINA personnel identified and recorded two additional locations for proposed signage. These are identified in the Sign Recommendations Figure in Attachment B along with photos of the locations in the photo documentation log (Attachment B). Reestablishing a new vehicle road sign

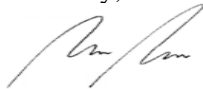
at the entrance to the beach access road is proposed at the request of Ms. Carol Ann Charette, USACE Project Manager. The other proposed sign would be located at the new beach access path established by the property owners. Sign location recommendations are also noted on the Sign Recommendations figure (Attachment B). A contract to replace the missing signs and install the new recommended signs was awarded in March 2024. The signs are currently being procured and the signs are anticipated to be replaced in the early/mid-summer 2024 timeframe.

Additionally, GSINA recommends that Table 3-1, Distribution Recipients, in the LUCIP be updated to reflect the current contacts for local authorities, first responders, property owners, and others. Due to the challenges encountered while attempting to contact private landowners by phone and email, GSINA also recommends that explosives safety educational materials be distributed to these landowners by mail.

Section 7 References Cited

USACE, 2018. *Final Land Use Control and Long-Term Management Implementation Plan for Nantucket Beach Formally Used Defense Site Project No. D01MA045601*. Nantucket Island, Massachusetts. July.

Sincerely,



Larry deVries
GSINA Project Manager



Attachments:

- Attachment A – UXO Awareness Training Attendance
- Attachment B – Figures, Sign Inspection Form, and Photo Documentation Log
- Attachment C – Site Inspection Form
- Attachment D – Interview Documentation
- Attachment E – EOD or MA State Bomb Squad Activity Documentation
- Attachment F – LUCIP Requirements Checklist

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Attachment A
UXO Awareness Training Sign-In

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Annual UXO Awareness Training Sign-In Log				 US Army Corps of Engineers	
Presented by: 					
I. Site Information					
Training Location Name:			Date of Training:		
NANTUCKET CONSERVATION FOUNDATION			26 JUN 2023		
II. Attendee Information					
Name:	Organization: (USACE, TToR, Edgartown Resident, etc.)	Email:	Phone Number:	Signature:	
1. Nick Larabee	Nantucket Conservation Foundation	nlarabee@nantucketconservation.org	508 901 1443	Nick Larabee	
2.					
3.					
4.					
5.					
6.					

* Michael Cranson, Fire Chief of the Nantucket Fire Department, attended the meeting via telephone
phone number: (508) 288-2324 ext.3110

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Attachment B
Figures, Sign Inspection Form, and Photo Documentation Log

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Sign Location Figure

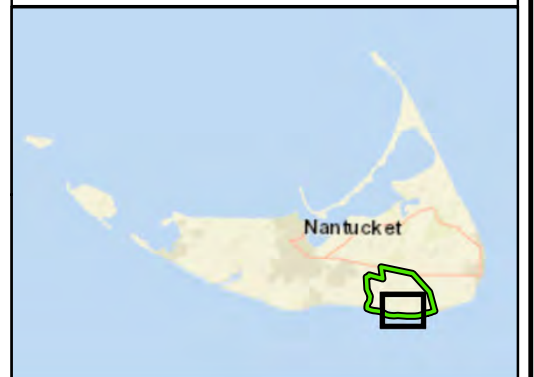
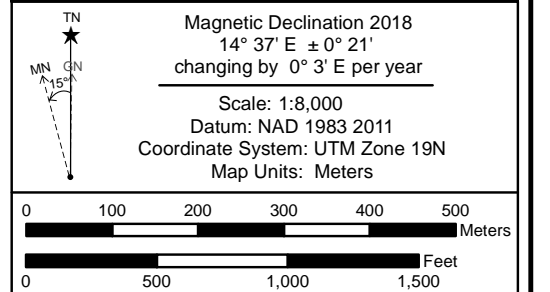
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Sign Location
LTM Letter Report, 2023
Aerial Rocket Range Target #1 MRS
Nantucket Island, MA

LEGEND

LUC Sign

- Pedestrian Sign
- Proposed Sign
- Aerial Rocket Range Target #1 MRS
- FUDS Boundary



Layer Credits: Esri, Earthstar Geographics, GeoBase.



Drawn By: Ifischer
 Revised: 5/8/2024



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Sign Recommendations Figure

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Sign Recommendations
LTM Letter Report, 2023
Aerial Rocket Range Target #1 MRS
Nantucket Island, MA

LEGEND

Sign Status

- Existing sign, New location
- New Sign, New Location
- Proposed New Sign Location
- No Action

Aerial Rocket Range Target #1 MRS

FUDS Boundary

TN

MN

GN

15°

Magnetic Declination 2018
14° 37' E ± 0° 21'
changing by 0° 3' E per year

Scale: 1:8,000
Datum: NAD 1983 2011
Coordinate System: UTM Zone 19N
Map Units: Meters

0100200300400500

Meters

05001,0001,500

Feet



Layer Credits: Esri, Earthstar Geographics, GeoBase.




Drawn By: Ifischer
Revised: 5/8/2024



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Sign Inspection Form

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Sign Inspection Form			
I. Site Information			
Site Name: Nantucket		Date(s) of Inspection: 26 June 2023	
Location and Region:			
II. Sign Inspection			
Sign Location	Condition (poor, fair, good, excellent)	Maintenance Performed (type and date)	Notes: (include photograph documentation before and after maintenance) Photos provided in the Photolog (Attachment B)
1. Tom Nevers Ball Field GPS: N 41 14.3951 W 070 00.4628	Sign Missing, base still in place. CRITICAL	Inspection – 26 June 2023	The base is solid and in good condition. The sign location is in a poor spot. Back of the parking lot with multiple accesses to the beach. The town renamed all beach locations, the Tom Nevers Ball Field beach access is identified as Town of Nantucket Emergency Beach Location #31a. Appears significant erosion has occurred over the last year.
2. Land Bank Commission Property GPS: N 41 14.3954 W 070 00.5759	Sign is missing; Base is still there and solid. CRITICAL	Inspection – 26 June 2023	The sign needs to be re-installed. The town renamed all beach locations, the Land Bank Commission Property beach access is identified as Town of Nantucket Emergency Beach Location #30a. The sign location is in a decent spot. Appears significant erosion has occurred over the last year.
3. East Forked Pond Valley GPS: N 41 14.4521 W 07001.4745	Sign is worn, but functioning. Good	Cleaned – 26 June 2023	The area has two beach paths and needs to relocate sign to address both paths to the beach. The town renamed all beach locations, the East Forked Pond Valley beach access is identified as Town of Nantucket Emergency Beach Location #29a. Appears significant erosion has occurred over the last year.

4. West Forked Pond Valley GPS: N 41 14.4838 W 070 01.6375	Good	Cleaned – 26 June 2023	The sign is in good condition. The town renamed all beach locations, the West Forked Pond Valley beach access is identified as Town of Nantucket Emergency Beach Location #29 Appears significant erosion has occurred over the last year.
5. New South Road GPS: N 41 14.5279 W 070 02.1100	The sign is missing. CRITICAL	Inspected – 26 June 2023	The sign is missing. The area has significant erosion and the Town sign designating the Emergency Beach location was laying on the ground. The town renamed all beach locations, the New South Road beach access is identified as Town of Nantucket Emergency Beach Location #28.
6. Russell Way Road GPS: N 41 14.5424 W 070 02.1919	Good	Cleaned – 26 June 2023	The sign is in good condition. The sign location is good. The town renamed all beach locations, the Russell Way Road beach access is identified as Town of Nantucket Emergency Beach Location #27. Appears significant erosion has occurred over the last year.
7. Proposed New Vehicle Road Sign GPS: N 41 14.5499 W 070 02.1899	Proposed New	Photos of location taken – 26 June 2023	Was requested to add this sign location. USACE Carol Charette requested a vehicle sign be re-established at the entrance to the beach access road. Photos of the site were taken on 26 June 2023.
8. Proposed New Beach Access Path Sign GPS: N41 14.4061 W 070 00.7200	Proposed New	Photos of location taken – 26 June 2023	This is a new Beach Path. New Beach Access has been established by the property owners to include a parking lot. A new sign needs to be placed at the location. The town has renamed all beach locations, the new beach access has been identified as Town of Nantucket Emergency Beach Location #30.

9.			
10.			
11.			
III. Additional Notes: All beaches showed signs of large erosion. Verified with Nick Larrabee of the Nantucket Conservation Foundation that there has been significant erosion in the last year.			

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Photo Documentation Log

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LUC Inspection 2023

Nantucket

Inspection Date:

6/26/2023

Location:

East Forked Pond Valley 29a

Description:

View of East Forked Pond sign location 29a in proximity to conservation foundation sign and Town of Nantucket emergency beach location sign.

**Inspection Date:**

6/26/2023

Location:

East Forked Pond Valley
29a

Description:

View of beach near 29a sign location.



Inspection Date:

6/26/2023

Location:

East Forked Pond Valley 29a

Description:

View east of beach near 29a sign location shows evidence of erosion.

**Inspection Date:**

6/26/2023

Location:

East Forked Pond Valley 29a

Description:

View west of beach near 29a sign location shows evidence of erosion.



LUC Inspection 2023

Nantucket

Inspection Date:

6/26/2023

Location:

East Forked Pond Valley 29a

Description:

Pedestrian 3Rs sign at East Forked Pond location 29a being inspected.



Inspection Date:

6/26/2023

Location:

East Forked Pond Valley 29a

Description:

View of sign at location 29a before inspection and cleaning.



LUC Inspection 2023

Nantucket

Inspection Date:

6/26/2023

Location:

East Forked Pond Valley
29a

Description:

Left side view of sign at
location 29a before
inspection and wash.



Inspection Date:

6/26/2023

Location:

East Forked Pond Valley
29a

Description:

Right side view of sign at
location 29a before
inspection and wash.



LUC Inspection 2023

Nantucket

Inspection Date:
6/26/2023

Location:
East Forked Pond Valley
29a

Description:
View of sign at location 29a
after inspection and wash.



Inspection Date:
6/26/2023

Location:
East Forked Pond Valley
29a

Description:
Left side view of sign at
location 29a after inspection
and wash.



Inspection Date:
6/26/2023

Location:
East Forked Pond Valley
29a

Description:
Right side view of sign at
location 29a after inspection
and wash.



Inspection Date:
6/26/2023

Location:
East Forked Pond Valley 29a

Description:
View showing a additional
beach pedestrian path further
away from the current sign
location.



Inspection Date:

6/26/2023

Location:Nantucket Land Bank
Commission Property 30a**Description:**

View of post where
pedestrian 3Rs sign should
be in relation to Nantucket
Land Bank Commission
Property sign and parking
lot.

**Inspection Date:**

6/26/2023

Location:Nantucket Land Bank
Commission Property 30a**Description:**

View of post where
pedestrian 3Rs sign should
be. Post is solid and in good
condition.



Inspection Date:
6/26/2023

Location:
Nantucket Land Bank
Commission Property 30a

Description:
View of Town of Nantucket
emergency beach location
#30a sign.



Inspection Date:
6/26/2023

Location:
Nantucket Land Bank
Commission Property 30a

Description:
View of second Town of
Nantucket emergency beach
location #30a sign.



Inspection Date:

6/26/2023

Location:Nantucket Land Bank
Commission Property 30a**Description:**View of beach near 30a sign
post location. Shows signs of
erosion.**Inspection Date:**

6/26/2023

Location:Nantucket Land Bank
Commission Property 30**Description:**View of proposed location for
new sign. Beach path
adjacent to Town of
Nantucket emergency beach
location #30 sign.

Inspection Date:
6/26/2023

Location:
Nantucket Land Bank
Commission Property 30

Description:
View of Town of Nantucket
emergency beach location
#30 sign with beach path in
background.



Inspection Date:
6/26/2023

Location:
Nantucket Land Bank
Commission Property 30

Description:
View of location #30 sign with
Garmin GPS in foreground to
show coordinates.



LUC Inspection 2023

Nantucket

Inspection Date:
6/26/2023

Location:
New South Road 28

Description:
View of location where 3Rs
pedestrian sign should be.
No sign or post was found.



Inspection Date:
6/26/2023

Location:
New South Road 28

Description:
Town of Nantucket emergency
beach location #28 sign
laying unsecured on the
beach.



Inspection Date:

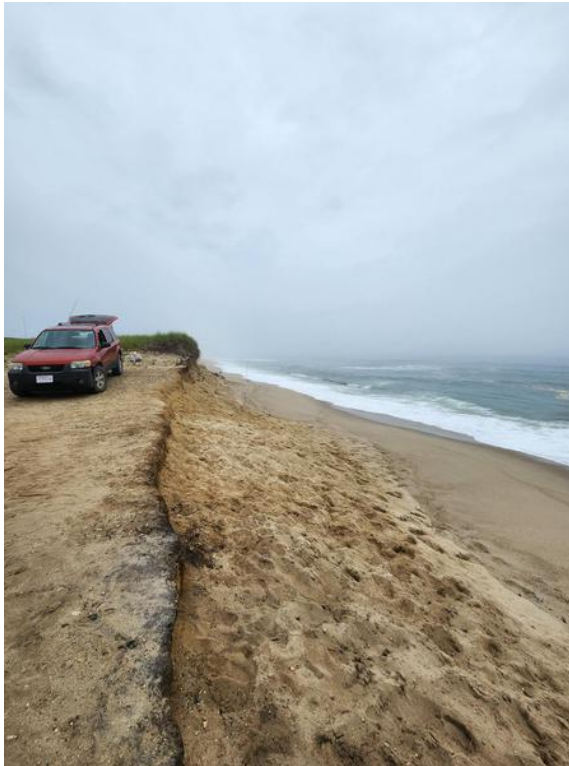
6/26/2023

Location:

New South Road 28

Description:

View of beach near New South Road sign location, facing east. Erosion evident.

**Inspection Date:**

6/26/2023

Location:

New South Road 28

Description:

View of beach near New South Road sign location, facing west. Erosion evident.



Inspection Date:

6/26/2023

Location:

Russell Way Road 27

Description:

View of Russell Way 3Rs pedestrian sign location in relation to Town of Nantucket emergency beach location #27 sign.

**Inspection Date:**

6/26/2023

Location:

Russell Way Road 27

Description:

View of beach near Russell Way Road sign, facing east.



Inspection Date:

6/26/2023

Location:

Russell Way Road 27

Description:View of beach near Russell
Way Road sign, facing west.**Inspection Date:**

6/26/2023

Location:

Russell Way Road 27

Description:View of vegetation on beach
near the sign location.

Inspection Date:
6/26/2023

Location:
Russell Way Road 27

Description:
View of front of sign before
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
Russell Way Road 27

Description:
Left side view of sign before
inspection and cleaning.



LUC Inspection 2023

Nantucket

Inspection Date:
6/26/2023

Location:
Russell Way Road 27

Description:
Right side view of sign before
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
Russell Way Road 27

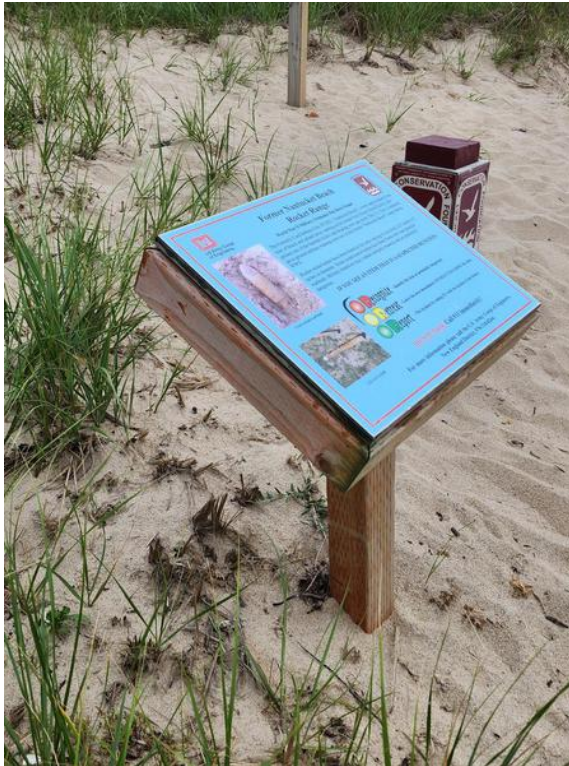
Description:
View of front of sign after
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
Russell Way Road 27

Description:
Left side view of sign after
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
Russell Way Road 27

Description:
Right side view of sign after
inspection and cleaning.



Inspection Date:

6/26/2023

Location:

Russell Way Road 27

Description:

View of the underside of the
3Rs pedestrian sign.

**Inspection Date:**

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

View of the pedestrian sign
pedestal location relative to
the parking area. Emergency
beach location #31a sign in
the background.



Inspection Date:

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

View of the beach near the sign location, facing East.

**Inspection Date:**

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

The beach path adjacent to the emergency beach location #31a sign.



Inspection Date:

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

View of the Town of
Nantucket emergency beach
location #31a sign.

**Inspection Date:**

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

Front view of the frame and
post for the 3Rs pedestrian
sign.



Inspection Date:

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

Left side view of the frame and post for the 3Rs pedestrian sign.

**Inspection Date:**

6/26/2023

Location:

Tom Nevers Ball Field 31a

Description:

View of the underside of the frame where the 3Rs pedestrian sign should be. The sign is missing.



Inspection Date:

6/26/2023

Location:Main Entrance Proposed
Sign Location**Description:**View of the main beach
entrance, facing north.**Inspection Date:**

6/26/2023

Location:Proposed New Vehicle
Road Sign Location**Description:**View of the main beach
entrance, facing south.

Inspection Date:

6/26/2023

Location:Proposed New Vehicle Road
Sign Location**Description:**

View of the proposed location
for an additional vehicle 3Rs
sign at the main beach
entrance. A sign for the
Nantucket Beach Foundation
and another sign are visible.

**Inspection Date:**

6/26/2023

Location:

West Forked Pond 29

Description:

View of the location of the
pedestrian 3Rs sign in
relation to the Town of
Nantucket emergency beach
location #29 sign and beach
path entrance.



Inspection Date:

6/26/2023

Location:

West Forked Pond 29

Description:

View of the beach near the sign location, facing east.

**Inspection Date:**

6/26/2023

Location:

West Forked Pond 29

Description:

View of the beach near the sign location, facing west.



Inspection Date:
6/26/2023

Location:
West Forked Pond 29

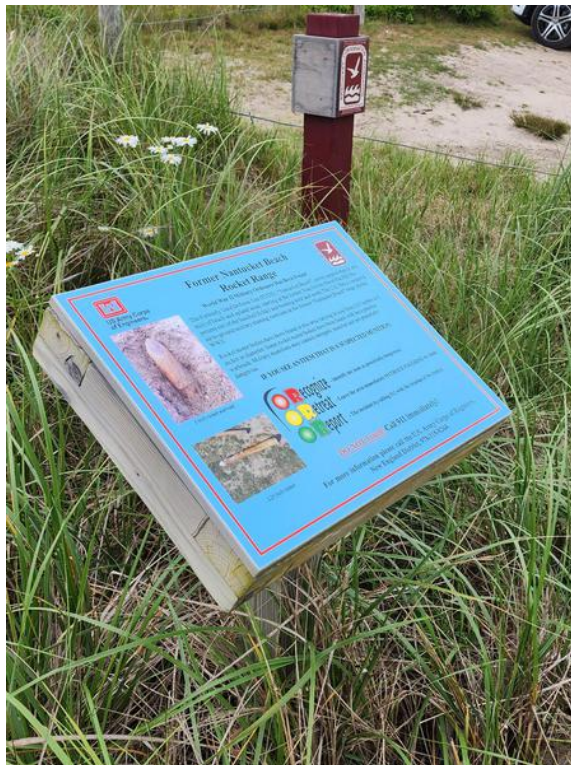
Description:
View of front of sign before
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
West Forked Pond 29

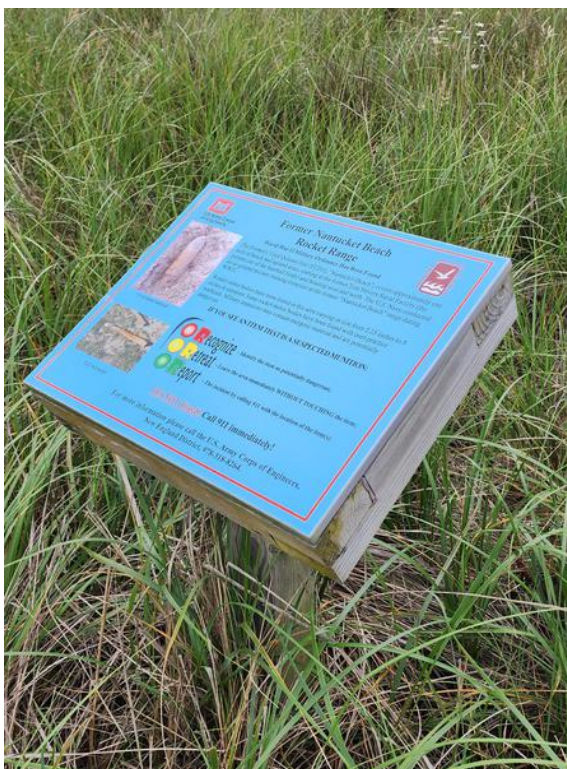
Description:
Left side view of sign before
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
West Forked Pond 29

Description:
Right side view of sign before
inspection and cleaning.



Inspection Date:
6/26/2023

Location:
West Forked Pond 29

Description:
View of front of sign after
inspection and cleaning.



Inspection Date:

6/26/2023

Location:

West Forked Pond 29

Description:

Left side view of sign after inspection and cleaning.

**Inspection Date:**

6/26/2023

Location:

West Forked Pond 29

Description:

Right side view of sign after inspection and cleaning.



Inspection Date:

6/26/2023

Location:

West Forked Pond 29

Description:

View of the underside of the pedestrian 3Rs sign.



Attachment C
Site Inspection Form

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Site Inspection Form



I. Site Information

Site Name:

Date(s) of Inspection:

NAN TuckeT

26 Jun 2023

Location and Region:

II. Site Inspection

Approximate Location: (note landmarks and/or approximate coordinates)	Site Conditions of Note: (e.g., significant erosion since last site inspection, observations of potential MEC or MD, other observations that impact LUC implementation.)	Notes: (include photograph documentation)
1. N 41 14.3951 W 070 00.4628 Tom Rivers Ball Field	Poor sign location Back part of PARKING LOT SIGNIFICANT EROSION NO MEC/MD	* TOWN RENAMED SITE TO EMERGENCY BEACH LOCATION #31a Refer to photographs on pages B-33 through B-35 in the Photo Documentation Log (Attachment B) NEED TO MOVE SIGN OR ADD ADDITIONAL SIGNS
2. N 41 14.3954 W 070 00.5759 Land Bank Commission PROPERTY	Good location SIGNIFICANT EROSION NO MEC/MD	* 30a Refer to photographs on pages B-21 through B-24 in the Photo Documentation Log (Attachment B)
3. N 41 14.4521 W 070 01.4745 EAST Forked Pond Valley	AREA HAS 2 PATHS Need TO RELOCATE FOR BOTH PATHS NO MEC/MD SIGNIFICANT EROSION	* 29a Refer to photographs on pages B-15 through B-20 in the Photo Documentation Log (Attachment B)
4. N 41 14.4838 W 070 01.6375 West Fork Pond Valley	Good location NO MEC/MD SIGNIFICANT EROSION	* 29 Refer to photographs on pages B-37 through B-42 in the Photo Documentation Log (Attachment B)
5. N 41 14.5279 W 070 02.1100 New South RD	Good location NO MD/MEC SIGNIFICANT EROSION	* 28 Refer to photographs on pages B-25 through B-26 in the Photo Documentation Log (Attachment B)

6. GPS N 41 14.5424 W 070 02.1919 RUSSELWAY RD	Good Location NO MD/MEL SIGNIFICANT EROSION	* 28 Refer to photographs on pages B-27 through B-32 in the Photo Documentation Log (Attachment B) TOWN BEACH SIGN ON GROUND Sign missing - completely NEED TO BACK UP SIGN LOCATION DUE TO EROSION
7. NEW Vehicle SIGN N 41 14.5499 W 070 02.1899	Good Location OTHER SIGNS IN SAME SPOT	CARD REQUESTED A NEW Vehicle SIGN BE ESTABLISHED AT MAIN ENTRANCE Refer to photographs on pages B-36 through B-37 in the Photo Documentation Log (Attachment B)
8. NEW BEACH ACCESS AREA N 41 14.4061 W 070 00.7200	GOOD LOCATION NEW PATH TO BEACH NO MD/MEL	AREA HAS A PARKING AREA * #30 Refer to photographs on pages B-23 in the Photo Documentation Log (Attachment B)
9.		
10.		
11.		
III. Additional Notes:		

Attachment D
Interview Documentation

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Questionnaire Forms

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Community Interview Questionnaire Sheet

Name: Nick Larrabee

Address: P.O. Box 13 Nantucket, Ma 02554

Date of Interview: 5/8

Person Conducting Interview:

Telephone (H): _____ **(W):** _____5089011443_____

1. A Formerly Used Defense Site (FUDS) Long Term Management (LTM) plan (signage) is in effect at the Former Nantucket Ordnance Site also known as Tom Nevers Rocket Projectile Target; Tom Nevers Area FUDS, Aerial Rocket Range Target #1 Munitions Response Site (MRS), and Aerial Rocket Range Fan MRS. Have you heard about this project? If so, what is your overall impression of the project?

Yes, but know very little about the project.

2. Are you aware of any community concerns regarding the site or its operation and administration? If so, please give details.

Have not heard anything about this project from the community.

3. Do you feel well informed about the site's activities and progress?

I understand the brochure that was provided, but do not have any other information.

4. Have you talked with any U.S. Army Corps of Engineers, state, or environmental officials about the ongoing FUDS LTM at the Former Nantucket Ordnance Site? If you have, were they responsive to your concerns or questions?

No

5. Do you have any comments, suggestions, or recommendations regarding the site's management or operation?

No

6. Additional input/thoughts? No

Community Interview Questionnaire Sheet

Name: Gregg A. TIVNAN

Address: 16 Broad Street, Nantucket, MA 02554

Date of Interview: May 31, 2023

Person Conducting Interview: Catie PUTMAN

Telephone (H): _617-974-7153__ **(W):** _508-228-7255__

1. A Formerly Used Defense Site (FUDS) Long Term Management (LTM) plan (signage) is in effect at the Former Nantucket Ordnance Site also known as Tom Nevers Rocket Projectile Target; Tom Nevers Area FUDS, Aerial Rocket Range Target #1 Munitions Response Site (MRS), and Aerial Rocket Range Fan MRS. Have you heard about this project? If so, what is your overall impression of the project?

Yes, I have head of the FUDS LTM project on Nantucket. I thought the project was completed, so my overall impression is positive.

2. Are you aware of any community concerns regarding the site or its operation and administration? If so, please give details.

No, I am not aware of any community concerns.

3. Do you feel well informed about the site's activities and progress?

No, I do not feel well informed that there are still activities in progress. I thought the project was completed.

4. Have you talked with any U.S. Army Corps of Engineers, state, or environmental officials about the ongoing FUDS LTM at the Former Nantucket Ordnance Site? If you have, were they responsive to your concerns or questions?

No, I have not spoken with any USACE or other officials regarding this project since the Town received the Final Land Use Control and Long-Term Management Implementation Plan (LUCIP) for the Nantucket Beach Formerly Used Defense Site from ERT, Inc. in 2018.

5. Do you have any comments, suggestions, or recommendations regarding the site's management or operation?

No comments regarding the project.

6. Additional input/thoughts?

No additional input.

Community Interview Questionnaire Sheet

Name: C. Elizabeth Gibson, ICMA-CM

Address:

Date of Interview: 06/06/2023

Person Conducting Interview: Leslie Martin

Telephone (H): _____ N/A _____ **(W):** (508) 228-7255 _____

1. A Formerly Used Defense Site (FUDS) Long Term Management (LTM) plan (signage) is in effect at the Former Nantucket Ordnance Site also known as Tom Nevers Rocket Projectile Target; Tom Nevers Area FUDS, Aerial Rocket Range Target #1 Munitions Response Site (MRS), and Aerial Rocket Range Fan MRS. Have you heard about this project? If so, what is your overall impression of the project?

Response: Yes, Ms. Gibson's overall impression of the project is that several years ago USACE led by Carol Charette implemented a public relations campaign and public outreach to educate the people about the site. They performed ground penetrating radar with low flying helicopters and located where there were still munitions and did their best to remove the munitions. She noted that every now and then Nantucket residents receive a mailing about the munitions and the 3rs. Overall her impression has been that this is a project that the federal government has control over and they have done a good job with informing the local government about information.

2. Are you aware of any community concerns regarding the site or its operation and administration? If so, please give details.

Response: No, not lately. Overall, there is a general concern about people digging and that they should be careful as every now and then something is uncovered; however, it is not a strong concern. When an item is uncovered the concern is that it is live.

3. Do you feel well informed about the site's activities and progress?

Response: Yes.

4. Have you talked with any U.S. Army Corps of Engineers, state, or environmental officials about the ongoing FUDS LTM at the Former Nantucket Ordnance Site? If you have, were they responsive to your concerns or questions?

Response: Not recently but Ms. Gibson noted that when she spoke with Ms. Charette in the past she was very responsive and requested that people be referred directly to her and not have questions go through other people that are not as knowledgeable about the project.

5. Do you have any comments, suggestions, or recommendations regarding the site's management or operation?

Response: Ms. Gibson noted that in light of the recent correspondence with USACE and their contractor regarding this questionnaire, if there is a need for more active management on the part of the local government, she would like a USACE representative to host a meeting on island to educate people on the current status and what is needed, as Ms. Charette did previously.

6. Additional input/thoughts?

Response: No, she will rely on USACE to explain anything that needs to be known about the site and answer questions that people may have. Ms. Gibson noted that she doesn't want to worry about this or have to take it on as a public relations issue.

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Interview Call List

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Name	Point of Contact	Contact Information	Parcel ID	Call Made (Yes/No and date)	Email sent (Yes/No and date)2	Interview Conducted/Questionnaire Received?	Notes
Nantucket							
Nantucket Conservation Foundation	Cormac Collier, Executive Director Nick Larrabee Jim Lentowski - Executive Director Tom Lennon - Director of Finance & Administration	PO Box 13 Nantucket, MA 02554 Office address: 118 Cliff Road Tel: (508) 228-2884, ext 104 Fax: (508) 228-5528 nlarrabee@nantucketconservation.org jlentowski@nantucketconservation.org tlennon@nantucketconservation.org ccollier@nantucketconservation.org	77 29, 77 2, 76 1, 91 2.2	Yes; Called and left a message with the receptionist 5/2/23 10:46 am MST	Yes; sent email 5/2/23 4:16 pm MST	Yes (Questionnaire received from Larabee through email on 05/09)	press 8 for assistant
Nantucket Land Bank Commission	Jess. A. Bell	22 Broad Street Nantucket, Massachusetts 02554 Tel: (508) 228-7240 Fax: (508) 228-9369 Web: www.nantucketlandbank.org director@nantucketlandbank.org	N/A	Yes; Called and was sent to new executive director Jess Bell. She requested email.	Yes; sent email to jbell 5/25/23 @ 10:35 am MST	No	New Executive director is Jess Bell. jbell@nantucketlandbank.org
Nantucket Town Manager and Assistant Town Manager	C. Elizabeth Gibson, Town Manager Gregg Tivnan, Assistant Town Manager	Town Building 16 Broad Street, 1st Floor Nantucket, Massachusetts 02554 Tel: (508) 228-7255 – Town Manager Tel: (508) 228-7254 – Asst. Manager Fax: (508) 228-7272 Town Manager: LGibson@nantucket-ma.gov Assistant Town Manager: gtivnan@nantucket-ma.gov	N/A	Yes; Called and left a message on Elizabeth Gibson's voicemail. Mentioned I would send email. Called and Left Gregg a message.	Yes; LGibson email sent 5/25 @ 10:27 am MST; gtivnan email sent 5/25/23 @ 10:40 am MST	Yes (Questionnaire received through email on 05/31/23 from Assistant Town Manager); Leslie conducted phone interview with Ms. Gibson on 06/06	1 for nantucket town manager. Person who answered the phone mentioned Gibson was just in a meeting about the Nantucket FUDS site. Gibson's feedback was it was confusing to know if individual responses are required from people or a collective town response. Also, said pdf was hard to fill out.
Nantucket DPW	Stephen Arceneaux, Director	188 Madaket Road Nantucket, Massachusetts 02554 Tel: (508) 228-7244 Fax: (508) 228-7289 sarceneaux@nantucket-ma.gov	N/A	Yes; Called and left a message for acting director Paul Berard 5/25/23	Yes; Sent emails to Mr. Berard and Mr. Moore at 11:59 am MST 5/25. emails: pberard@nantucket-ma.gov, rmoore@nantucket-ma.gov	No	automated system is difficult to navigate. Press 4 for message. Paul Berard and Richard Moore are acting directors
Nantucket Parks and Beaches	Charles Polachi, Parks and Recreation Manager	188 Madaket Road Nantucket, Massachusetts 02554 Tel: 508-228-7244, ext 7522 cpolachi@nantucket-ma.gov	N/A	Yes; Called and talked to Mr. Polachi. He asked to receive questions via email. 5/23	Yes; Sent email 12:03 pm MST. 5/25	No	N/A
Nantucket Memorial Airport	Jeff Marks - Airport Manager/Airfield Supervisor Noah Karberg - Environmental Coordinator	14 Airport Road Nantucket, MA 02554 Tel: (508)325-5300 Fax: (508) 325-5306 Tel: (508) 325-7531 nkarberg@nantucketairport.com	N/A	Yes; Called and left a message with the receptionist 7/19/23 12:04 pm MST	Yes; Sent email to nkarberg 7/19/23 12:09 pm MST	No	N/A
Massachusetts State Police	Sergeant Ellis Sergeant John "Jack" Moran Station Commander: Sergeant Kevin Bates	Station d-6, SP Nantucket 83 North Liberty Street Nantucket, Massachusetts 02554 Tel: (508) 228-0706 kevin.bates@pol.state.ma.us	N/A	Yes; called and left message for duty officer. 5/23	Yes; sent email to kevin.bates@pol.state.ma.us @ 3:11pm MT, 5/26	No	Sergeant Kevin Bates returned my message to say he is the current Station Commander. He gave his contact info. Sergeant Kevin Bates, 774-563-2012, kevin.bates@pol.state.ma.us. (508) 228-0706 called Catie on 06/02
Nantucket Fire Department	Michael Cranson, Fire Chief Sean Mitchell, Deputy Fire Chief	131 Pleasant Street Nantucket, MA 02554 Tel: (508) 228-2324/2323 Fax: (508) 325-7500 smurphy@fire.nantucket-ma.gov	N/A	Yes; Called and left a message for Fire Chief Michael Cranson. Called and left a message for Sean Mitchell	Yes; Got emails from website: mcranson@fire.nantucket-ma.gov, smitchell@fire.nantucket-ma.gov sent emails at 12:10 MST, 5/25	No	Michael Cranson is fire chief
Nantucket Police Department	Sheila Lucey – Harbormaster	34 Washington Street Nantucket, Massachusetts 02554 Tel: (508) 325-4100 ext. 5031 slucey@police.nantucket-ma.gov	N/A	Yes; Called and talked to assistant. S Lucey was in a meeting. Confirmed email address.	Yes; Sent email 7/19/23 12:15 pm MST	No	N/a

Name	Point of Contact	Contact Information	Parcel ID	Call Made (Yes/No and date)	Email sent (Yes/No and date)2	Interview Conducted/Questionnaire Received?	Notes
Nantucket Police Department	William Pittman, Police Chief Charles Gibson, Deputy Chief	4 Fairgrounds Road Nantucket, Massachusetts 02554 Tel: (508) 228-1212 Fax: (508) 228-7246 wpittman@police.nantucket-ma.gov cgibson@police.nantucket-ma.gov	N/A	Yes; left a message on Charles Gibson's voicemail	Yes; Left emails for cgibson and wpittman at 12:16 MST, 5/25	No	N/A
Private Property Owners	Current Landowner*	PO Box 13, Nantucket, MA 02554 Office address: 118 Cliff Road	77 3.1	No; no phone number provided	No; no email address provided	No	Private property owner
	Current Landowner*	P.O. Box 5117 Nantucket, Massachusetts 02554	91 1	No; no phone number provided	No; no email address provided	No	Private property owner
	Current Landowner*	200 Market Ave North, Ste 210 Canton, OH 44702	91 119	No; no phone number provided	No; no email address provided	No	Private property owner
DELUZE GONZAGUE ETAL		30 East 10th Street, Apt 12, New York, NY 10003		No; no phone number provided	No; no email address provided	No	Private property owner
14 NEW SOUTH ROAD LLC	Jane MacLennan	30 EAST 10TH ST APT 12 NEW YORK, NY 10003 212-957-4172 (O),	90 9	Yes; Called 7/19/23 12:18 pm MST. Number was no longer in service.	No; no email address provided	No	Private property owner
THOMAS JAMES H TRUSTEE ETAL	Jim Thomas	Mendham, NJ PO Box 298, 07945 973-214-6056 (C) jimthomas2.nj@verizon.net	91 2.4	Yes; Called and Talked to Mr. Thomas. He gave email address	Yes; Sent email with questionnaire on 6/20/23	No	Private property owner
NEW SOUTH PROPERTY INVESTMENTS LLC Shackteau LTD c/o Timken Family LLC	Jonathan Crawford	145 PINE HAVEN SHORES RD, Shelburne, VT, 05482		No; no phone number provided	No; no email address provided	No	Private property owner
BAT CAVE LLC	Andrew or Merrillion Wing	PO Box 2322, Nantucket, MA 02584 508-633-5179 (H)	91 119	Yes; Called and left a message 7/19/23 12:21 pm MST		No	Private property owner

Attachment E

EOD or MA State Bomb Squad Activity Documentation

**Navy EOD as well as state and local police were contacted regarding any incidents since the last annual LTM inspection. No ordnance incident reports have been received.*

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Attachment F
LUCIP Requirements Checklist

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MASS. SITES LUC IMPLEMENTATION CHECKLIST



Annual and 5-Year Review Requirements for each MRS.

NANTUCKET

☒ Complete sign inspection and fill out sign inspection form. (annual)

- Six signs:

Table 3-2. Sign Location Coordinates			
Location	Type	Latitude	Longitude
Tom Nevers Ball Field	Pedestrian	41° 14' 23.52	70 ° 00 ' 28.06
Land Band Commission Property	Pedestrian	41° 14' 23.38	70 ° 00 ' 33.30
East Forked Pond Valley	Pedestrian	41° 14' 27.33	70 ° 01 ' 28.52
West Forked Pond Valley	Pedestrian	41° 14' 27.95	70 ° 01 ' 39.41
New South Rd	Pedestrian	41° 14' 31.160	70° 02' 06.174
Russell Way Rd	Pedestrian	41° 14' 32.48	70 ° 02 ' 11 .40

- Before and after-wash pictures
- GPS locations
- Wash signs and note conditions on form.
- Any new signs needed due to changes in traffic patterns?
- During the annual sign inspections, the nearby beach areas will be visually inspected to determine if any munition items are visible. If so, the contractor providing inspection services will follow the 3Rs procedures and will call 911 to report the item.
- Any munitions items found during the annual site inspections will be documented in the annual report and the 5-Year Review Report.

Notes: Completed sign inspection forms are presented in Attachment B of the LTM Report. _____

☐ Purchase and install replacement signs (if needed).

- Anomaly avoidance procedures for sign installation.

Notes: N/A

☒ Complete site inspection and fill out site inspection form. (annual)

- Note overall site conditions (i.e., erosion, storm damage, and beach and dune conditions) and provide photos.
- Note any changes in site usage along with any changes to the property.
- Suggest future activities (critical and routine).

Notes: Completed site inspection forms are presented in Attachment C of the LTM Report. _____

- ☒ Develop explosives safety educational materials.
- Distribute to Nantucket Conservation Foundation, property owners, local responders, and town officials.
 - Soil Handling guidance for property owners and others that may come in contact with munitions at the site.
- Notes:** Explosives safety materials based on the 3Rs (Recognize, Retreat, Report) were distributed in-person during the UXO awareness training events and also provided digitally to all interviewees as documented in Attachment D of the LTM Report. _____
- ☒ Invite Nantucket Conservation Foundation, property owners, local responders, TTOR employees, and town officials to UXO awareness training. (annual)
- Notes:** The attendance log for the training event is included as Attachment A. _____
- ☒ Conduct Site-Specific military munitions educational Awareness training. (annual)
- Have people sign attendance log at training events to be included in the 5-year review reports. Information on attendance list: name and date of training as well as each attendee's printed name, organization, email, phone number, and signature.
 - Distribute educational materials (brochures and fact sheets) to attendees.
 - Incorporate 3Rs logos and slogans into training.
 - Discuss identification of potential ordnance and actions to be taken in accordance with the Army 3Rs.
 - Produce training DVD for distribution to stakeholders
 - o Solicit the above information on the attendee list for any persons utilizing the DVD for virtual training.
- Notes:** The attendance log for the training event is included as Attachment A. _____
- ☒ Conduct in-person or telephone interviews with residents, EOD, local police, and the Massachusetts Bomb Squad during each annual sign inspection process.
- Include results in the inspection reports and the 5-year review Report.
- Notes:** Interview documentation is included as Attachment D. _____
- ☒ Track munitions response activities by EOD/State bomb squad and fill out EOD activity form. (Quarterly)
- Document the information in the annual inspection reports.
 - Summarize any intrusive activities conducted since the previous inspection.
- Notes:** Inquiries were made with local authorities and a summary of EOD responses was provided by USACE as documented in Attachment E. _____
- ☒ Produce Annual Inspection Report
- A summary of the current conditions of the site
 - Sign inspection activities and results
 - Interview results
 - EOD response action and reports (if any)
 - A summary of any intrusive activities conducted since the previous inspection.
- Notes:** _____
- _____