

FINAL

FIRST FIVE-YEAR REVIEW REPORT FOR

FORMER CAPE POGE LITTLE NECK BOMB TARGET

MUNITIONS RESPONSE SITES

FUDS PROPERTY NO. D01MA0595

MARTHA'S VINEYARD, MASSACHUSETTS

Prepared for:



U.S. Army Corps of Engineers
New England District

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Former Cape Poge Little Neck Bomb Target
Final Five Year Review

FINAL
FIVE YEAR REVIEW

Former Cape Poge Little Neck Bomb Target
FUDS Property No. D01MA0595
Martha's Vineyard, Massachusetts

Prepared for:

U.S. Army Corps of Engineers
New England District

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COMPLETION OF SENIOR TECHNICAL REVIEW

This document has been produced within the framework of the ERT, Inc. (ERT) quality management system. As such, a senior technical review has been conducted. This included review of all elements addressed within the document, proposed or utilized technologies and alternatives and their applications with respect to project objectives and framework of U.S. Army Corps of Engineers regulatory constraints under the current project, within which this work has been completed.


ELECTRONIC SIGNATURE

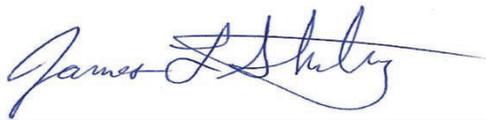
8/13/20

Thomas Bachovchin, PG
Senior Technical Reviewer

Date

COMPLETION OF INDEPENDENT TECHNICAL REVIEW

This document has been produced within the framework of ERT's quality management system. As such, an independent technical review, appropriate to the level of risk and complexity inherent in the project, has been conducted. This included a review of assumptions; alternatives evaluated; the appropriateness of data used and level of data obtained; and reasonableness of the results, including whether the product meets the project objectives. Comments and concerns resulting from review of the document have been addressed and corrected as necessary.



8/13/20

James Stuby, P.G
Independent Technical Reviewer

Date

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LIST OF ACRONYMS AND ABBREVIATIONS

CENAE	USACE New England District
DD	Decision Document
DoD	Department of Defense
EOD	Explosive Ordnance Disposal
FUDS	Formerly Used Defense Site
FYR	Five Year Review
LTM	Long-term Management
LUC	Land Use Control
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MPPEH	Munitions Potentially Presenting an Explosive Hazard
MRS	Munitions Response Site
NCP	National Contingency Plan
RAO	Remedial Action Objective
RI	Remedial Investigation
TCRA	Time Critical Removal Action
TTOR	The Trustees of Reservation
USACE	U.S. Army Corps of Engineers
UU/UE	Unlimited Use/Unrestricted Exposure
UXO	Unexploded Ordnance
UXB	UXB International, Inc.

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1.0 INTRODUCTION

The purpose of a Five-Year Review (FYR) is to evaluate the implementation and performance of a remedy in order to determine if the remedy is and will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in the FYR. In addition, the FYR report identifies issues found during the review, if any, and documents recommendations to address them.

The U.S. Army Corps of Engineers (USACE) is preparing this FYR pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 121, consistent with the National Contingency Plan (NCP)(40 CFR Section 300.430(f)(4)(ii)), and considering U.S. Environmental Protection Agency (USEPA), Department of Defense (DoD), and Formerly Used Defense Site (FUDS) policy.

This is the first FYR for the Former Cape Poge Little Neck Bomb Target (Formerly Used Defense Site [FUDS] Property No. D01MA0595). The Decision Document (DD) was signed in April 2015 (USACE, 2015), but the triggering action for this FYR is the start of the remedial action (3/31/2016) for FUDS Property No. D01MA0595. There are three Munition Response Sites (MRSs): Land MRS 1 is Project 01, Inland Water MRS 2 is Project 02, and Remaining Lands MRS 3 is Project 03. The FYR has been prepared for this site because explosive safety risks remain above levels that allow for unlimited use and unrestricted exposure (UU/UE)

The FYR was led by the USACE New England District (CENAE). Participants included the USACE Baltimore District and USACE contractor ERT, Inc. ERT's review team included a lead environmental scientist and a UXO Technician III. The review began in October 2019.

1.1 Site Background

The Former Cape Poge Little Neck Bombing Target Site is located on Chappaquiddick Island in the Town of Edgartown, Dukes County, Martha's Vineyard, Massachusetts (Appendix A, Figure 1). Between 1944 and 1947, the Former Cape Poge Little Neck Bombing Target Site was used for day and night practice bombing activities using water-filled bombs, miniature practice bombs, and flares. The practice bombs were used with signals or spotting charges to allow the pilots to observe bombing accuracy.

Multiple investigations have been conducted at the site, including a Preliminary Assessment in February 2009 (USACE, 2009), and a Time Critical Removal Action (TCRA) conducted between April and September 2009 (USACE, 2010), to remove MEC, munitions potentially presenting an explosive hazard (MPPEH), and explosive hazards at the site. The Remedial Investigation (RI), completed in 2014 (UXB, 2014), defined the nature and extent of contamination and the FUDS property was delineated into three MRSs. Land MRS 1 (Project 01) consists of 62 acres and Inland Water MRS 2 (Project 02) consists of 172 acres. The DD concluded that the Selected Remedy for the Land MRS and Inland Water MRS was Subsurface Clearance. The remaining 115 acres of uncontaminated lands were designated as the Remaining Lands MRS (MRS 3). There were no hazards or risks identified for Remaining Land MRS 3 and the DD concluded that No Action was required for MRS 3.

As described in the DD (USACE, 2015), currently, the Land MRS is owned by The Trustees of Reservation (TTOR) and the Inland Water MRS is owned by the Commonwealth of Massachusetts. Current land use within the MRSs includes recreational and commercial activities

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and current receptors include: recreationalists, members of the general public, TTOR employees, and TTOR contractors. The MRS areas are primarily undeveloped. Current activities at the Land MRS include possible surface and subsurface soil disturbance. Land MRS and Remaining Land MRS recreational uses may include foot and vehicle traffic, and the recreational and commercial uses of the Inland Water MRS include fishing, clamming, quahogging, and scalloping; sediment within the MRS may be dug by hand or mechanically dredged during these activities. It is anticipated that the future land use will remain the same.

1.2 Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: Former Cape Poge Little Neck Bomb Target, Martha's Vineyard, Massachusetts (MRS 1, 2, and 3)		
DoD ID: D01MA0595		
Region: USEPA Region 1	State: MA	City/County: Dukes
SITE STATUS		
NPL Status: Non-NPL		
Multiple OUs? Yes	Has the site achieved construction completion? Yes	
REVIEW STATUS		
Lead agency: Other Federal Agency U.S. Army Corps of Engineers (USACE)		
Author name: Carol Ann Charette, Project Manager		
Author affiliation: USACE		
Review period: 10/31/2019 - 3/31/2021		
Date of site inspection: October 9, 2020		
Type of review: Statutory		
Review number: 1		
Triggering action date: 3/31/2016		
Due date (five years after triggering action date): 3/31/2021		

2.0 RESPONSE ACTIONS

Response actions included a TCRA conducted in 2009 to remove MEC, munitions potentially presenting an explosive hazard (MPPEH), and explosive hazards at the site, implementation of institutional controls in June 2014, and implementation of remedial actions at the Land and Inland Water MRSs (MRS 1 and MRS 2).

2.1 Basis for Taking Action

Past military munitions training activities conducted at the Land and Inland Water MRSs, resulted in MEC contamination within the MRS boundaries. USACE has determined that the response actions selected in the DD (USACE, 2015) for hazards associated with MEC at the Land and Inland Water MRSs are necessary to protect public health, welfare, or the environment, based on the current and intended future use of the MRS. The nature of the threat is summarized below.

During the RI, 88 MEC items and 325 MD items were recovered, including intact and expended AN-MK23 3-pound practice bombs and the remnants of a 100-pound practice bomb. Within the Land MRS 1, the 83 MEC items and 279 MD items were recovered from the subsurface, down to seven feet below ground surface (bgs). No MEC or MD was recovered from the surface of the Land MRS 1. Within the Inland Water MRS 2, 5 MEC items and 46 MD items were recovered from the subsurface, down to five feet below the bathymetric surface.

2.2 Response Actions Summary

Time Critical Removal Action (TCRA)(2009)

The TCRA was conducted on approximately 46 acres within portions of the Land and Inland Water MRS. All anomalies identified were investigated and removed using hand tools and mechanical equipment. All MEC, regardless of size, as well as MPPEH, munitions debris (MD), non-MD, and range-related debris equal to or greater than an AN-MK23 practice bomb were removed and/or disposed. During clearance operations, 127 MEC items and 1,916 pounds of non-MD were removed. Items identified and removed included scrap items, AN- MK23, and AN-MK5 practice bombs. No MEC/MPPEH found at the site contained high explosive filler.

Decision Document

As described in the DD (USACE, 2015), the goal of the selected remedy is to protect human health and the environment by removing potential exposure to an explosive hazard. To achieve this goal, Remedial Action Objectives (RAOs) were established. In accordance with the DD, the no action remedy was selected as the remedy for the Remaining Land MRS (MRS 3) since no contamination was found.

The RAO established for the Land MRS is to:

- protect recreational users, visitors, and workers at the MRS from explosive hazards associated with MEC exposure in the top three feet of soil during intrusive activities and by wave action/dune erosion.

The RAO established for the Inland Water MRS is to:

- protect recreational users, visitors, shell fishermen, and other workers at the MRS from explosive hazards associated with MEC exposure in the top three feet of sediment during intrusive activities.

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The DD states:

Based on the requirements of CERCLA and the NCP, and on a detailed analysis of the remedial alternatives using the nine criteria (which includes public and state comments), USACE has selected Land MRS Alternative 4 and Inland Water MRS Alternative 3 – Subsurface Clearance as the remedy for the Former Cape Poge Little Neck Bomb Target Site. The selected remedy includes subsurface detection, removal, and disposal of munitions located within the MRSs (234 acres); and public education and notification.

Based on the RI findings, there is a low probability for encountering MEC other than AN-MK23 or AN-MK5 practice bombs with spotting charges. However, out of an abundance of caution, interim Land Use Controls (LUCs) will be implemented during the remedial activity. These would be informational materials will be developed and distributed to property owners, awareness training materials will be developed, and signs will be installed and maintained to ensure the safety of land owners, workers, and the public. After all clearance operations are complete, a review of the site will be made (similar to a CERCLA 5 year review) that will ensure the effectiveness of the remedial actions for UU/UE.

Land Use Controls

The following are the specific components of the interim LUCs:

- Development and distribution of 3Rs (Recognize, Retreat, Report) explosives safety educational materials (e.g., brochures, fact sheets) to property owners, local responders, and Town officials.
- Installation and maintenance of signage at strategic access points to the MRS to alert users of the site's history and potential to encounter military munitions.
- Implementation of a targeted 3Rs Explosive Safety Education Program (annual training) that is focused on the property owners, local responders, TTOR employees, and Town officials.

The *Land Use Control and Long-Term Management (LTM) Implementation Plan for the Former Cape Poge Little Neck Bomb Target* (USACE 2019) provides detailed descriptions of the LUC implementation.

The interim LUCs are intended to provide site-specific awareness for the local community and ensure the safety of land owners, workers, and the public.

2.3 Status of Implementation

Remedial Action

USACE initiated RA activities in 2015, with fieldwork commencing in spring 2016 and concluding in the summer of 2019. The details of the RA activities are provided in the *Remedial Action Report, Former Cape Poge Little Neck Bomb Target, Land and Inland Water MRSs, (USACE, October 2020)*. For the Land MRS, 78 acres were geophysically mapped and 38,348 geophysical anomalies were investigated and resolved to the extent practical in the high density area. All anomalies discovered outside the high density area were mapped, investigated and resolved to depth. MEC items were recovered from the surface to seven feet bgs, and included 2,060 MEC/UXO items (AN-Mark (MK)23 practice bombs and AN-MK6 flare fuzes) and approximately 24,674 pounds of Munitions Debris (MD) (MK4, MK15, AN-MK23, and AN

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MK6). For the Inland Water MRS, 228.3 acres were geophysically mapped and 7,566 geophysical anomalies were investigated and resolved to depth. MEC items were recovered from the surface to five feet below the bathymetric surface, and included 1,767 MEC/UXO items (AN-MK23 practice bombs) and approximately 623 pounds of MD (MK15 and AN-MK23).

The RA Report concluded that the RAOs were achieved. Approximately 99% of the MEC items were found within 3 ft below ground surface. Because a limited amount of MEC may be potentially present beyond the limits of detection, there is confidence that the residual presence of MEC below the RAO of 3 ft is likely. Shortly after the remedial action was completed, 3 munition items eroded out of the embankment at the Land MRS after a storm in August of 2018 (see Table 2). This munition discovery provided further evidence that MEC items may remain below the limit of detection (3 feet), and that these items could be exposed after significant erosion events.

The RA Report suggested that a determination of whether UU/UE has been achieved should be made after a sufficient period of time has passed and a review is conducted to evaluate site conditions. FYRs should continue until it is determined that UU/UE has been achieved at the site.

Interim LUCs Implemented

USACE implemented the LUCs described above in June 2014. In June 2014, USACE began conducting semi-annual (spring and fall) sign inspections and annual UXO awareness training under the LTM phase following the signing of the DD in April 2015. Beginning in October 2018, USACE has been conducting sign inspections and training annually, in the spring (June) prior to the start of the summer tourist season. Annual reports from 2014 through 2019 are included in Appendix D-2.

Two LUC signs are currently installed at the Former Cape Poge Little Neck Bombing Target Site as shown on Figure 1. LUCs, as identified in the DD, have been fully implemented at the site. Sign maintenance, distribution of explosive safety educational materials, and explosive safety training are ongoing.

For the previous annual Long Term Monitoring inspection, conducted June 25, 2019 (*Letter Report, Sign Inspection and UXO Awareness Training, Martha's Vineyard*, May 2020, Final), ERT conducted a public presentation for life guards, TToR Rangers, and first responders including local police and fire department personnel and other interested parties on UXO Awareness. ERT also performed an evaluation of site conditions and inspected signage associated with the MRS, and documented ordnance responses from the State Bomb Squad or EOD since the previous inspection.

The most recent LTM inspection for Cape Poge (October 9, 2020) was conducted concurrent with this FYR site inspection due to COVID-related travel recommendations; the report of these activities is presented as Appendix D-1. The 2020 LTM report describes the UXO training, the inspection of signage and an evaluation of site conditions since the 2019 inspection activities.

Current site conditions were evaluated as part of this report. Appendix A, Figure 1, provides a site figure that indicates the footprint of the area physically evaluated during the inspection. ERT walked the public areas from the northern tip of the FUDS boundary shown on Figure 1 to the southern tip of the FUDS boundary, assessing site conditions in terms of erosion and potential impacts to the proper functioning of the LUCs. While the conditions are described relative to the signage for easier geographical reference (also see site figure, page B-2 of Appendix D-1), the entire footprint of the site was evaluated

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Both signs were inspected and were in good condition. They were cleaned; no other maintenance was required. The site conditions are described relative to the signage for easier geographical reference (see Appendix D-1 site figure, page B-2). For the most part, erosion has not impacted the proper function of the LUCs in terms of the performance and protectiveness of the remedy. The Little Neck sign in the northern portion of the site is more subject to erosion but was relatively unchanged from the 2019 conditions.

No munition items were observed on the ground surface or along the shorelines. Road conditions did not indicate significant erosion impacts, and overall conditions were not vastly different from the previous year's inspection.

Southern portion of site: Area of Dyke Bridge Sign--minimal to no indications of erosion.

Central portion of site: minimal signs of erosion overall. While storm surges may accelerate erosion, there are no significant impacts to LUC implementation at this time.

Northern portion of site: Area of Little Neck Sign--minimal signs of erosion in the overall northern portion of the area. Based on the minor impact to the sign legs, this area may undergo impactful erosion in the future. However, there are no significant impacts at this time.

No construction/intrusive activities have taken place at the Cape Poge Little Neck project site. The site is a natural refuge and is being allowed to grow back to its full natural state. The only activities performed on the site, have been annual herbicide treatment of bittersweet.

There were no indications that additional LUCs, such as signage, were required due to construction activities.

The LTM reports and other relevant project information are available at the Information Repository and from the USACE New England District website shown in Section 4.1.

3.0 PROGRESS SINCE THE LAST REVIEW

This is the first FYR.

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4.0 FIVE YEAR REVIEW PROCESS

4.1 Community Notification, Involvement & Site Interviews

The Community Relations Plan (USACE 2016) serves as the framework for community relations during project activities conducted at the Former Cape Poge Little Neck Bomb Target Munitions MRSSs.

Project information is available at the Information Repository and from the USACE New England District website (<https://www.nae.usace.army.mil/Missions/Projects-Topics/Marthas-Vineyard-RIFS/>). The Information Repository is located at:

Edgartown Library
58 North Water Street
Edgartown, Massachusetts 02539
Tel: (508) 627-4221
Web site: www.edgartownlibrary.org

A public notice was made available by CENAE on March 5, 2020, published in the MVTimes (included in Appendix B), stating the five-year review process had begun and inviting the public to submit any comments to USACE. USACE received no comments from the public. The results of the review and the report will be made available on the USACE New England website and at the Site information repository location listed above.

During the FYR process, interviews were conducted to document any perceived problems or successes with the remedy that has been implemented to date. The results of these interviews are included in the Interviews and Site Inspection Checklist form (Appendix B), and are summarized below:

Telephone interviews were planned to represent a variety of types of individuals, but a number of individuals contacted did not respond (i.e., calls were not returned). Table 1 presents a log of all calls. The individuals interviewed represent a variety of people associated with the area, including the property owners and local authorities. As indicated in the interviews in Appendix B, all were aware of the project to some degree, and none of the individual raised concerns or had any substantive issues.

Table 1. Interview Call Log

Name	Organization	Phone #	Address	Result
Joanne Dearden	Project Manager Massachusetts Department of Environmental Protection-Boston Office	617-292- 5788	1 Winter Street, Boston, MA 02108	MassDEP has provided input via written comments on this document.
Samuel Hart	Superintendent, The Trustees of Reservations	508-693- 5966	Email: Hart@thetrustees.org Vineyard Haven, MA	Emailed Interview questions to Mr. Hart Sept. 1, received Sept 9

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Name	Organization	Phone #	Address	Result
Jessica McGroarty	Parks Administrator, Edgartown Parks Department	508-627-6145	70 Main St., Edgartown, MA 02539	Interviewed 26 Oct 2020
Martina Thornton	Dukes County Manager	508-696-3840	County of Dukes County P.O. Box 190 Edgartown, MA 02539 Email: manager@dukescounty.org	Interviewed 29 January 2021
State Police Liaison	Massachusetts State Police	508-693-0545	Oak Bluffs Barracks, Temahigan Road, Oak Bluffs, Massachusetts 02557	Left message 9/3/2020. No Reply
LT Chris Dolby	Edgartown Police Department	508-627-4343	72 Peases Point Way S, Edgartown, MA 02539	Interviewed 2 Feb 2021
Alex Shaeffer	Chief, Edgartown Fire Department	508-627-5167	68 Pease Point Way PO Box 2097 Edgartown, MA 02539	Called multiple times. Left Message. No reply

4.2 Data Review

Site related documents reviewed for this FYR are listed in the References. Regulations, policy, and guidance that were used to complete this FYR are also listed in the References. EOD reports of emergency responses concerning the removals of munitions found at the site since completion of the Remedial Action are summarized in Table 2 and included in Appendix C.

Table 2. Summary of Emergency Response Calls

Location	Ordnance Description	Date	Response Action - Disposition	COMMENTS
Cape Poge-Little Neck ("western-most point of the Land MRS 1 boundary - shoreline of Little Neck")	3 intact MK 23 practice bombs (2 spent, 1 live), plus misc MD	15-Aug-18	Massachusetts State Police Bomb Squad responded 16-Aug-18 and successfully countercharged the live item	Investigative report obtained from Massachusetts State Police Bomb Squad.
Little Neck area, Chappaquiddick	Identified as a Mk26 drop bomb	4-Oct-18	Item handed over to MA State Police. No EOD report available.	Investigative report obtained from Edgartown PD: Incident report 2018004765

4.3 Site Inspection

The inspection of the Site was conducted on October 9, 2020. In attendance were the ERT Deputy PM/Team Leader and UXO Technician III. The purpose of the inspection was to assess the protectiveness of the remedy. The Site Inspection checklist is presented in Appendix B.

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Current site conditions were evaluated as part of this inspection. Appendix A, Figure 1, provides a site figure that indicates the footprint of the area physically evaluated during the inspection. ERT walked the public areas from the northern tip of the FUDS boundary shown on Figure 1 to the southern tip of the FUDS boundary, assessing site conditions in terms of erosion and potential impacts to the proper functioning of the LUCs. No munition items were observed on the ground surface or along the shorelines. Road conditions did not indicate significant erosion impacts, and overall conditions were not vastly different from the previous year's inspection.

Two LUC signs are currently installed at the Former Cape Poge Little Neck Bombing Target Site as shown on Figure 1. LUCs, as identified in the DD, have been fully implemented at the site. Sign maintenance, distribution of explosive safety educational materials, and explosive safety training are ongoing. Both signs were inspected and were in good condition. Erosion has not impacted the proper function of the LUCs in terms of the performance and protectiveness of the remedy.

5.0 TECHNICAL ASSESSMENT

QUESTION A: Is the remedy functioning as intended by the decision documents?

Question A Summary:

No. The RA subsurface clearance component of the remedy assumed that UU/UE would be achieved after the subsurface clearance, and that no unacceptable risk would remain at the site. However, due to the fact that there likely remains munitions below 3 feet and items washed out of the embankment in August of 2018, following the Remedial Action, USACE has determined that the remedy has not achieved UU/UE, and that an unacceptable risk remains at the site. USACE has been performing interim LUCs since 2015 which include inspection and maintenance of signage, annual walk over inspections of the site, annual ordnance training, annual tracking of EOD or State Bomb Squad Responses, and whether any construction/intrusive activities have occurred at the site. Interim LUCs were intended to provide site-specific awareness for the local community and ensure the safety of land owners, workers, and the public until the remedial action was completed. Since the potential for MEC items washing out of the embankment remains, which could result in exposure to munitions by site receptors, the Interim LUCs should be made permanent to ensure protection of human health at the site.

QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of the remedy selection still valid?

Question B Summary:

No. The RAO is to protect recreational users, visitors, and workers at MRS 1 from explosive hazards associated with MEC exposure in the top three feet of soil during intrusive activities and by wave action/dune erosion, and to protect recreational users, visitors, shell fisherman and other workers at the MRS 2 from explosive hazards associated with MEC exposure in the top three feet of sediment during intrusive activities. The RAO addresses hazards under current and potential future land use (note that the current land use is not anticipated to change).

The final remedy assumed that UU/UE would be achieved after the remedial action was completed, and that no unacceptable risk would remain at the site. However, due to the fact that there likely remain munitions below 3 feet and munitions may continue to erode out of the embankment, the site has not achieved UU/UE and there is an ongoing potential for exposure to MEC by site receptors which creates an unacceptable risk at the site.

The DD identified Applicable or Relevant and Appropriate Regulations (ARARs) that the remedy was intended to comply with; there were no changes to ARARs that have impacted the remedy.

QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?

Question C Summary:

No other information has come to light that calls into question the protectiveness of the remedy.

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6.0 ISSUES & RECOMMENDATIONS

Issues and Recommendations Identified in the Five-Year Review:

OU(s): Former Cape Poge Little Neck Bomb Target: Land MRS 1 (Project 01) and Inland Water MRS 2 (Project 02)	Issue Category: Remedy Performance			
	Issue: The remedy assumed that UU/UE would be achieved and that no unacceptable risk would remain at the site after the remedial action was complete. However, since munitions are likely present below 3 feet at the site, and erosion can expose these munitions to site receptors, UU/UE has not been achieved and an unacceptable risk remains at the site			
	Recommendation: Modify the remedy through the proper CERCLA post-DD change process to remove the expectation that UU/UE will be achieved and to authorize permanent LUCs as part of the final remedy of the site.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	Other USACE	State	9/30/2021

7.0 PROTECTIVENESS STATEMENT

Protectiveness Statement(s)	
<i>Operable Unit:</i> Land MRS 1 (Project 01) Inland Water MRS 2 (Project 02)	<i>Protectiveness Determination:</i> Short-term Protective
<i>Protectiveness Statement:</i> <p>The remedy at MRS 1 and MRS 2 currently protects human health and the environment because of the previous MEC clearance and the interim LUCs that provide site-specific awareness for the local community and ensure the safety of land owners, workers, and the public. However, in order for the remedy to be protective in the long term, the following action needs to be taken to ensure protectiveness: Modify the remedy through the proper CERCLA post-DD change process to remove the expectation that UU/UE will be achieved and to authorize permanent LUCs as part of the final remedy of the site.</p>	

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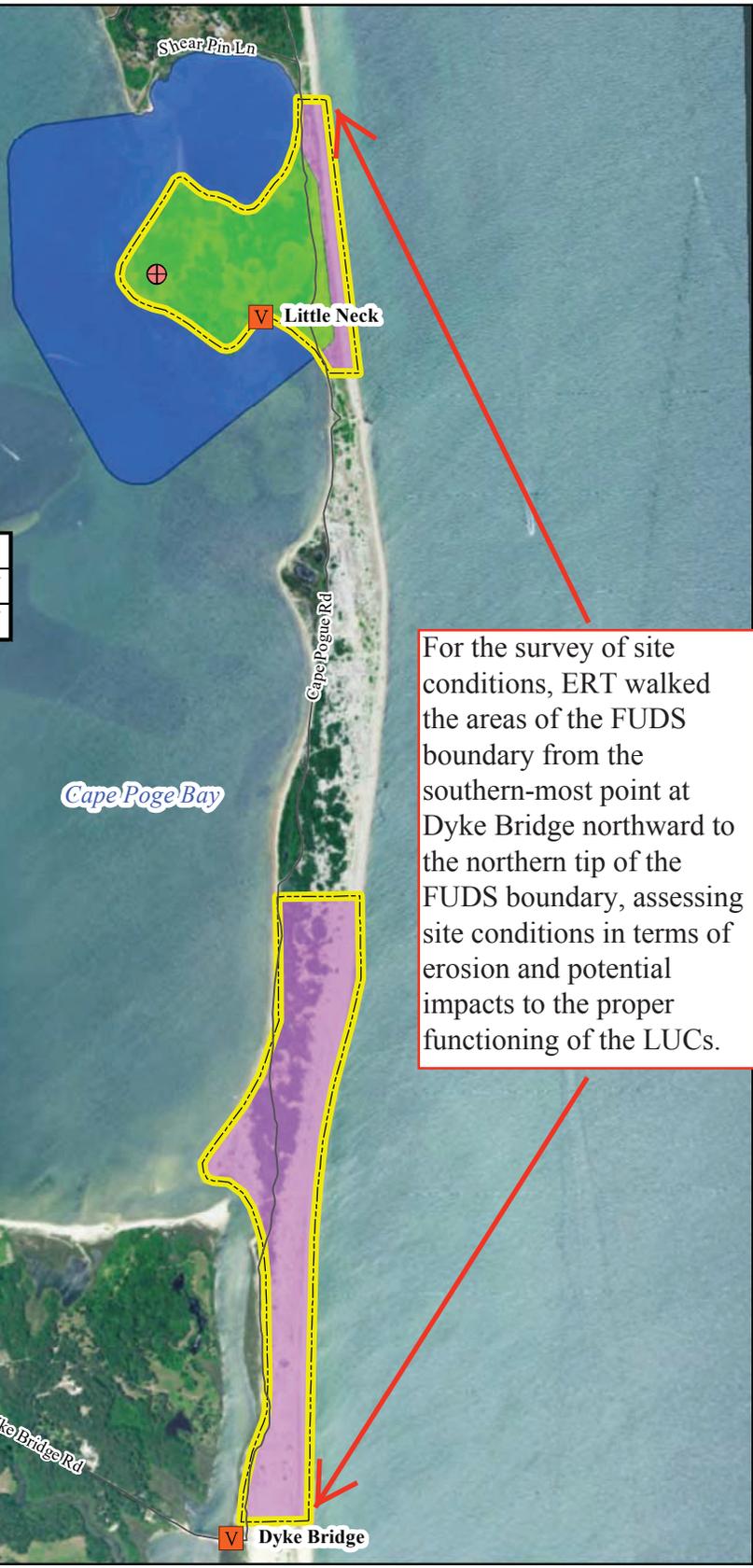
8.0 NEXT REVIEW

The next five-year review report for the Former Cape Poge Little Neck Bomb Target is required five years from the completion date of this review.

9.0 REFERENCE LIST

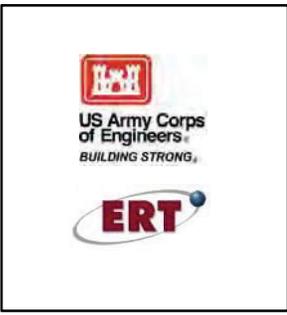
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- UXB International, Inc (UBX). 2014. *Final Remedial Investigation Report, Former Cape Poge Little Neck Bomb Target, Munitions Response Sites, Martha’s Vineyard, Massachusetts*. 16 June.

APPENDIX A – SITE FIGURE



Location	Type	Latitude	Longitude
Dyke Bridge	vehicle	41° 22.397' N	070° 27.137' W
Little Neck	vehicle	41° 24.429' N	070° 27.070' W

For the survey of site conditions, ERT walked the areas of the FUDS boundary from the southern-most point at Dyke Bridge northward to the northern tip of the FUDS boundary, assessing site conditions in terms of erosion and potential impacts to the proper functioning of the LUCs.



Legend

- ⊕ Former Target Area
- Roads
- ⊕ Remaining Lands MRS Boundary
- ⊕ FUDS Boudary
- ⊕ Inland Water MRS Boundary
- ⊕ Land MRS Boundary
- ⊕ Sign Locations
- ⊕ Vehicle

Data Sources:
Site data USACE,
Aerial and street map ESRI Online

FIGURE 1
Sign Locations
LUCIP
Former Cape Poge
Little Neck Bomb Target
Martha's Vineyard,
Massachusetts

APPENDIX B – PUBLIC NOTICE, INTERVIEWS, SI CHECKLIST

Classifieds

HELP WANTED

YMCA OF MV:
The Y is seeking a highly motivated, customer-focused individual to join our Health & Wellness staff team early evening on Sundays and Mon-Wed 4pm to 9pm. The Y Health & Wellness staff works to ensure a high level of motivation and engagement of its members. An individual Y membership is included with employment. Please complete application at <https://www.ycamv.org/employment>. Email application to jobs@ymcamv.org or apply in person at the membership desk.

INSTRUCTION

CENTER FOR NEW LEARNING



Offering SAT, ACT and SSAT prep. One-on-one recommended for the most effective prep. We also offer tutoring in all academic areas. Now taking reservations for summer. Contact Alice: (920) 410-4577; info@cnlmv.org.

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Caretaking, Landscaping, Estate cleanouts, junk/trash removal, interior painting & odd jobs, TV/AV repair. Fully Insured. Fast, Great references. Super reliable. Free estimates. Martha W Cohan, LLC 774-280-4184 or Marthacohan@comcast.net.

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Cut/split/seasoned premium firewood delivered to your home. Also Klin-dried hardwoods stacked on pallets. For quality firewood, call Ken 508-645-9016.

LOST & FOUND

PENDANT FOUND
Found in Stop & Shop VH parking lot. Blue & silver, no chain. Call & describe, 347-731-2045

SILVER EARRING

Silver earring - Golden Retriever. 1" x 3/4" on french hoop. Sentimental value. Lost 2/14 near Police Station/Porto Pizza. Can text picture. Please call if found. 774-563-1191

LEGAL NOTICES

CITATION ON PETITION FOR FORMAL ADJUDICATION

DOCKET NO. DU20P0020EA COMMONWEALTH OF MASSACHUSETTS THE TRIAL COURT PROBATE AND FAMILY COURT PO BOX 237 81 MAIN STREET EDGARTOWN, MA 02539
Estate of: Ward Swift Just
Also known as: Ward S. Just
Date of Death: 12/19/2019
To all interested persons:
A Petition for Formal Probate of Will with Appointment of Personal Representative has been filed by Sarah Catchpole of Vineyard Haven MA and Ronald H. Rappaport of Edgartown MA. requesting that the Court enter a formal Decree and Order and for such other relief as requested in the Petition. The Petitioner requests that: Sarah Catchpole of Vineyard Haven MA and Ronald H. Rappaport of Edgartown MA, be appointed as Personal Representative(s) of said estate to serve Without Surety on the bond in an unsupervised administration. IMPORTANT NOTICE You have the right to obtain a copy of the Petition from the Petitioner or at the Court. You have a right to object to this proceeding. To do so, you or your attorney must file a written appearance and objection at this Court before: 10:00 a.m. on the return day of 03/24/2020
This is NOT a hearing date, but a deadline by which you must file a written appearance and objection if you object to this proceeding. If you fail to file a timely written appearance and objection followed by an affidavit of objections within thirty (30) days of the return day, action may be taken without further notice to you.
UNSUPERVISED ADMINISTRATION UNDER THE MASSACHUSETTS UNIFORM PROBATE CODE (MUPC) A Personal Representative appointed under the MUPC in an unsupervised administration is not required to file an inventory or annual accounts with

LEGAL NOTICES

the Court. Persons interested in the estate are entitled to notice regarding the administration directly from the Personal Representative and may petition the Court in any matter relating to the estate, including the distribution of assets and expenses of administration.
WITNESS, Hon. Peter Smola, First Justice of this Court.
Date: February 24, 2020
Daphne DeVries, Register of Probate LN: 3/5/20, 1t

MARTHA'S VINEYARD AIRPORT INVITATION FOR BIDS CANCELLATION FEBRUARY 26, 2020 HVAC INSTALLATION SERVICES



CANCELLED:
#MVY IFB 2020 - HVAC HVAC Equipment Replacement and Repair MVY. This Invitation for Bids has been cancelled. Upon further inspection of the work requested in #MVY IFB 2020 HVAC, it has been determined that additional equipment is necessary. The IFB scope of work has changed significantly and warrants cancellation of the original document.

LEGAL NOTICES: OAK BLUFFS

TOWN OF OAK BLUFFS NOTICE OF PUBLIC HEARING RE: BITOUN PROJECT

PASCAL AND KIMBERLY BITOUN 47 LAGOON ROAD, MAP 12 PARCEL 94.0
The Oak Bluffs Zoning Board of Appeals will hold a Public Hearing on Thursday, March 19, 2020 at 6:05 p.m. in the Council on Aging Building located at 21 Wamsutta Avenue on the application of the referenced petitioners seeking: **a Special Permit within Zoning By-Laws 3.5.5, or any action related thereto, to allow the construction of a 215 sq. ft. addition to a pre-existing nonconforming single family dwelling in place of an existing deck on a conforming lot located in Residential Zone 1, the Lagoon Pond District and partially in the Floodplain Overlay District.** Proposed plans are on file in the Building Department at Town Hall. Written correspondence can be addressed to the Board of Appeals Attn: Kim Leard, PO Box 1327, Oak Bluffs - 02557 email: planningboard@oakbluffsma.gov

TOWN OF OAK BLUFFS NOTICE OF PUBLIC HEARING RE: DUFFRESNE/ROMERO PROJECT

17 SPRUCE AVE. MAP 9 PARCEL 143
The Copeland Review Committee will hold a Public Meeting Monday, March 16, 2020 at 5:00 pm at the Oak Bluffs Town Hall Downstairs Meeting Room located at 56 School Street on the application of the referenced petitioners seeking: **Seeking a certificate of appropriateness within the overlay regulations 9(Sect. XVIII)1.D.(4)(a), or any action related thereto, to install a cedar fence, stained gray to match the house, and an outdoor shower, on a nonconforming lot, located in the Copeland District.** Proposed plans and application are

LEGAL NOTICES: OAK BLUFFS

on file in the Building Department at Town Hall. Written correspondence can be addressed to Copeland Plan District Review Committee. Attn: Alexa Arieta, PO Box 1327, Oak Bluffs - 02557
FAX - (508) 693 - 5375 or email: buildingadmin@oakbluffsma.gov

TOWN OF OAK BLUFFS PUBLIC HEARING

Pursuant to MGL Chapter 138, Section 12 the Board of Selectmen will hold a Public Hearing on Tuesday, March 24, 2020 at 5:00 p.m. in the Library Meeting Room, 56R School Street, Oak Bluffs, MA regarding an application for a Transfer of License from 14 Kennebec Holdings, Inc. to No Trespassing 101, LLC dba The Red Cat located at 14 Kennebec Avenue, Oak Bluffs, MA. This application is on file in the Selectmen's office for review Monday through Friday, 8:30 a.m. to 4:00 p.m.

LEGAL NOTICES: TISBURY

TISBURY BOARD OF HEALTH BOARD OF APPEALS

NOTICE OF PUBLIC HEARING
The Tisbury Board of Health will hold a public hearing to consider removal of the solid waste site assignment for Assessor's Parcel 22-A-11 on Tuesday, March 10, 2020 at 4:30 pm in the Tisbury Town Hall Annex, 66 High Point Lane, Vineyard Haven, MA. For further information regarding the site assignment contact the Tisbury Board of Health office, 66 High Point Lane, Vineyard Haven, (508) 696-4291.

LEGAL NOTICES: WEST TISBURY

WEST TISBURY ZONING BOARD OF APPEALS

NOTICE OF PUBLIC HEARING
On Thursday, March 12, 2020 at 5:15 pm the West Tisbury ZBA will hold a public hearing on the 2nd Floor of the Town Hall on an Application for Special Permit from Derek and Brooke Avakian to construct a 20'x40' swimming pool and 320 sf. pool cabana requiring 10' of setback relief at the southern lot line and to construct a 34'x28' garage with a 2 bedroom accessory apartment above requiring 10' of setback relief on both side lot lines on a non-conforming lot under Sections 8.5-4(C), 4.3-3 (D), 4.4-3 (A) and 11.2-2 of the Zoning Bylaws, Map 37, Lot 21, 220 Vineyard Meadow Farms Rd., RU District. Interested parties are invited to send comments and/or attend the hearing.

PUBLIC NOTICES

CAPE POGE SITE FIVE YEAR REVIEW NOTIFICATION

In accordance with the Decision Document (DD), a site review, similar to a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Five-Year Review (FYR), is required to 1) evaluate the effectiveness of the remedial activities conducted at the Former Cape Poge Little Neck Bomb Target Land Munitions Response Site ("Land MRS") and the Former Cape Poge Little Neck Bomb Target Inland Water MRS ("Inland Water MRS"), 2) determine if the implemented remedy continues to be protective of human health and the environment, and 3) whether remedial action objectives are being fulfilled. As identified by the U.S. Army Corps of

PUBLIC NOTICES

Engineers (USACE) in the DD, the selected remedy includes subsurface detection, removal, and disposal of munitions located within the MRSs. Interim Land Use Controls include public education and notification to provide a means for USACE to coordinate efforts to reduce munition encounters by workers, recreational users, and visitors through munitions removal and educational awareness training. The site review will ensure the effectiveness of the Remedial Action activities to achieve the remedial action objective of unlimited use and unrestricted exposure for the MRSs. The Former Cape Poge Little Neck Bombing Target Site is located on Chappaquiddick Island in the Town of Edgartown, Dukes County, Martha's Vineyard, Massachusetts. Past military munitions training activities conducted at the MRSs resulted in munitions contamination within the MRS boundaries. Military munitions have been encountered and removed during the Time Critical Removal Action, Remedial Investigation, Remedial Action, and munitions emergency responses. Munitions and explosives of concern (MEC) were found during the Remedial Investigation. The Remedial Investigation included a finding that there was a high statistical potential for MEC to be present and therefore a MEC source or explosive hazard is possible at the MRS. The Remedial Action activities were conducted in 2017 to reduce the risk of encountering MEC to support unlimited use and unrestricted exposure for the MRSs.

Additional information and reports can be found at the USACE website address: <https://www.nae.usace.army.mil/Missions/Projects-Topics/Marthas-Vineyard-RIFS/>
The community can contribute during the FYR process by making themselves available for interviews with USACE to provide input on remedy protectiveness. The contact information for the USACE Project Manager is: Carol A. Charette@usace.army.mil U.S. Army Corps of Engineers, New England District 696 Virginia Road Concord, MA 01742-2751 (978) 318-8605 (office) or (978) 505-2918 (mobile)

The scheduled completion date of the first FYR is March 2021. The community will receive notification from USACE of the completion of the FYR, including the protectiveness statement, a brief summary of the data and information that provided the basis for determining protectiveness, recommendations, follow-up activities, locations of the FYR report, contact information where community members can obtain more information with respect to the FYR report, and the date of the next FYR.

PUBLIC NOTICE SOUTH BEACH FIVE YEAR REVIEW NOTIFICATION

In accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), a Five-Year Review (FYR) is required to 1) evaluate the effectiveness of the Land Use Controls (LUCs) and remedial activities con-

PUBLIC NOTICES

ducted at the Former South Beach Moving Target Machine Gun and Katama Rocket Range Munitions Response Site (MRS) 1, 2) determine if the implemented remedy continues to be protective of human health and the environment, and 3) whether remedial action objectives are being fulfilled. As identified by the U.S. Army Corps of Engineers (USACE) in the Decision Document (DD), the selected remedy (LUCs) includes public awareness and education components at MRS 1 that provide a means for USACE to coordinate an effort to reduce munition encounters by workers, recreational users, and visitors through signage and educational awareness training.

The South Beach MRS is located within the Town of Edgartown, Dukes County, Martha's Vineyard, Massachusetts. Past military munitions training activities conducted at MRS 1 resulted in munitions contamination within the MRS boundary. Historically, military munitions have been encountered and removed during munitions emergency responses. Although no munitions and explosives of concern (MEC) were found during two Time Critical Removal Actions , the Remedial Investigation, based on the history of the site, related sites, the extent of munitions debris (MD) recovered, the large number of receptors, and the fact that Explosive Ordnance Disposal personnel indicated they have responded to and detonated items, there is a small risk of encountering MEC at the site. The Remedial Investigation included a finding that there was a low statistical potential for MEC to be present and therefore a MEC source or explosive hazard is possible at MRS 1.

Additional information and reports can be found at the USACE website address: <https://www.nae.usace.army.mil/Missions/Projects-Topics/Marthas-Vineyard-RIFS/>
The community can contribute during the FYR process by making themselves available for interviews with USACE to provide input on remedy protectiveness. The contact information for the USACE Project Manager is: Carol A. Charette@usace.army.mil U.S. Army Corps of Engineers, New England District 696 Virginia Road Concord, MA 01742-2751 (978) 318-8605 (office) or (978) 505-2918 (mobile)

The scheduled completion date of the first FYR is October 2020. The community will receive notification from USACE of the completion of the FYR, including the protectiveness statement, a brief summary of the data and information that provided the basis for determining protectiveness, recommendations, follow-up activities, locations of the FYR report, contact information where community members can obtain more information with respect to the FYR report, and the date of the next FYR.

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Community Interview Questionnaire Sheets **(Answers received via Email 9 September, 2020)**

Name: Samuel A. Hart, The Trustees of Reservation, Islands Director

Note: Based on his position and responsibilities, this interview addressed all three MMRP sites on Martha's Vineyard: South Beach, Cape Poge, and Tisbury

Telephone (H): (508) 693-5966 Work (W): _____

1. FUDS Long Term Management (signage and educational awareness) is in effect at the three MMRP sites: South Beach, Cape Poge, and Tisbury Munitions Response Sites. Have you heard about this project? If so, what is your overall impression of the project?

A: I have heard about this project. Most people in the community have. My impression is that cleaning up after oneself is a good thing and that clearing the land of as much military waste as possible is in the best interests of everyone from both an ecological and recreational perspective. Other island communities where the US military has operated share similar perspectives. Kudos to the government for continuing a proactive approach and I hope they can keep up these important efforts.

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

A: I am. Most people are concerned with the contamination of our groundwater from UXO and other instruments of war left over from WWII. The project has done a fairly good job keeping the community and visitors informed but the key is removal and protection of these ecologically sensitive areas.

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

A: I do but I can't speak for everyone. We just found another bomb in the dunes at Cape Poge two weeks ago so we know that they are still out there. How many more are still out there? What are the long term effects to marine life and drinking water?

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

A: I have not but have no reason to believe they wouldn't be helpful.

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

A: How does this project influence the thinking around cleaning up Nomans Land island? Have there been lessons learned that will help the town of Chilmark decide what to do next? Leaving Nomans Land Island a nature preserve is in everyone's interest but will leaving the UXO and other materials there threaten groundwater and cause greater harm in the long run?

Community Interview Questionnaire Sheets

Name: Jessica McGroarty, Parks Administration, Town of Edgartown (Supervisor of lifeguards)

Date of Interview: 26 October 2020

Telephone (H): _____ **Work (W):** 508-627-6145

1. A FUDS Long Term Management (signage) is in effect at the Martha's Vineyard Munitions Response Sites to include the Cape Poge MRS and the Former South Beach Moving Target Machine Gun Range Munitions Response Area. Have you heard about this project? If so, what is your overall impression of the project?

A: Ms. McGroarty is well informed about the project at South Beach and is aware of the Cape Poge area.

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

A: No.

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

A: Ms. McGroarty is aware of the signs, but otherwise does not feel that well informed. She explained that about 2 years ago several UXO items were found on South Beach. Mr. Chris Kennedy of TTOR dealt with the problem via USACE at the time but USACE did not inform her of the problem directly.

(Note: ERT informed her about the recent inspection with repair/replacement of 2 signs.)

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

A: Ms. McGroarty has spoken to Carol Charette (USACE PM) in the past but has not met her in person. She was expecting to do so a few weeks ago but this did not happen, but she did not think it was a problem.

(Note: Assuming that meeting was supposed to occur when Carol Charette was expected to oversee some sign installation activity, ERT explained that Ms Charette canceled based on a sign shipping issue, which derailed her schedule to visit Martha's Vineyard.

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

A: Ms. McGroarty said that the UXO training earlier this year was difficult through Zoom and was better when previously conducted in person. She also said that she wished the process for dealing with UXO finds could be improved. Her point was that teenage lifeguards tend to be the ones who find munitions (or who are directed to finds by the public) and that they take responsibility for guarding the munition until first responders arrive. While she understood that her lifeguards were not responsible for waiting until EOD/bomb squad arrived (just the local police) and that this was essentially a function of the 911 call response time, she felt the response times were sometimes overly long.

Community Interview Questionnaire Sheets

Name: **Martina Thornton, Dukes County Manager, interviewed January 29, 2021**

Telephone (H): 508-696-3840 Work (W): 508-696-3840

1. A FUDS Long Term Management (signage/awareness education) is in effect at the Former Cape Poge Little Neck Bomb Target Munitions Response Area. Have you heard about this project? If so, what is your overall impression of the project?

Ms. Thornton is the Dukes County Manager and the site is within Dukes County. She is well aware of this work. She explained that she is in regular contact with Mr. Sam Hart of the TTOR and he informs her of any issues. Her impression is that all is progressing fine.

2. Has there been any construction activity in the vicinity that you are aware of?

She knew of no construction activity that was relevant to the issue.

3. Are you aware of any community concerns, complaints, or other incidents related to the site requiring a response by your office? If so, please give details.

Ms. Thornton was not aware of any concerns or complaints, and reiterated that the TTOR continually keep her apprised of any issues.

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

Primarily through regular contact with Mr Hart of the TTOR, she felt well informed.

5. Have you talked with any Army Corps of Engineers, state, or environmental officials about the ongoing LTM at the Former South Beach FUDS? If you have, were they responsive to your concerns or questions?

Ms. Thornton emphasized that while she has not personally spoken with these folks, she understood through communication with TTOR that they have generally been responsive.

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

Ms. Thornton had no comments or recommendations.

Community Interview Questionnaire Sheets

Name: Lt. Chris Dolby, Edgartown PD, interviewed February 2, 2021

Note: Lt Dolby was interviewed about both Cape Poge and South Beach sites.

Telephone (H): _____ **Work (W):** 508-627-4343

1. A Formerly Used Defense Site (FUDS) Long Term Management plan (signage/awareness education) is in effect at the Former Cape Poge Little Neck Bomb Target Munitions Response Area. Have you heard about this project? If so, what is your overall impression of the project?

Lt Dolby was very familiar with the project. He was aware of the signage at the beach and thought things were well addressed. He did not know of anyone having issues with the Army's long term monitoring activities.

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

Lt Dolby did not know of any concerns, however, he mentioned that signage may be impacted by the major winter snowstorm that was happening as we were speaking, i.e., certain signs may not survive.

3. Do you feel well informed about the site's activities and progress?
He felt informed, although he was not aware of the UXO Awareness training that had been given. When informed that the Edgartown PD had been invited to the last two given, he reiterated that he personally was not aware but could not speak for others in the Department.

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

While not specific to the LTM program, Lt Dolby (through his chief) had in the past coordinated ordnance findings through Marty Holmes of USACE. He mentioned some very recent finds in the vicinity of South Beach (not Cape Poge) and he did not think USACE had been made aware of them yet; he indicated he was going to ensure Mr. Holmes was copied on this information and provide the specifics of these finds.

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

Lt Dolby had nothing more to add.

Appendix B-2
Five-Year Review Site Inspection Checklist

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Five-Year Review Site Inspection Checklist

Purpose of the Checklist

The site inspection checklist provides a useful method for collecting important information during the site inspection portion of the five-year review. The checklist serves as a reminder of what information should be gathered and provides the means of checking off information obtained and reviewed, or information not available or applicable. The checklist is divided into sections as follows:

- I. Site Information
- II. Interviews
- III. On-site Documents & Records Verified
- IV. O&M Costs
- V. Access and Institutional Controls
- VI. General Site Conditions
- VII. Landfill Covers **(not applicable to this project)**
- VIII. Vertical Barrier Walls **(not applicable to this project)**
- IX. Groundwater/Surface Water Remedies **(not applicable to this project)**
- X. Other Remedies **(not applicable to this project)**
- XI. Overall Observations

This checklist was developed by EPA and the U.S. Army Corps of Engineers (USACE). It focuses on the two most common types of remedies that are subject to five-year reviews: landfill covers, and groundwater pump and treat remedies. Sections of the checklist are also provided for some other remedies. The sections on general site conditions would be applicable to a wider variety of remedies. The checklist should be modified to suit your needs when inspecting other types of remedies, as appropriate.

In accordance with the above, this checklist has been modified to reflect the current LUCs at Cape Poge.

Please note that “O&M” is referred to throughout this checklist. At sites where Long-Term Response Actions are in progress, O&M activities may be referred to as “system operations” since these sites are not considered to be in the O&M phase while being remediated under the Superfund program.

Five-Year Review Site Inspection Checklist (Template)

“N/A” refers to “not applicable.”)

I. SITE INFORMATION			
Site name: Land MRS 1 and Inland Water MRS 2	Date of inspection: 9 October 2020		
Location and Region: Martha’s Vineyard, Mass.	EPA ID:		
Agency, office, or company leading the five-year review: ERT, Inc., for USACE	Weather/temperature: 60s to 70s F, clear, windy		
Remedy Includes: (Check all that apply) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Landfill cover/containment <input type="checkbox"/> Access controls <input checked="" type="checkbox"/> Institutional controls <input type="checkbox"/> Groundwater pump and treatment <input type="checkbox"/> Surface water collection and treatment <input checked="" type="checkbox"/> Other: Educational Signage </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Monitored natural attenuation <input type="checkbox"/> Groundwater containment <input type="checkbox"/> Vertical barrier walls </td> </tr> </table>		<input type="checkbox"/> Landfill cover/containment <input type="checkbox"/> Access controls <input checked="" type="checkbox"/> Institutional controls <input type="checkbox"/> Groundwater pump and treatment <input type="checkbox"/> Surface water collection and treatment <input checked="" type="checkbox"/> Other: Educational Signage	<input type="checkbox"/> Monitored natural attenuation <input type="checkbox"/> Groundwater containment <input type="checkbox"/> Vertical barrier walls
<input type="checkbox"/> Landfill cover/containment <input type="checkbox"/> Access controls <input checked="" type="checkbox"/> Institutional controls <input type="checkbox"/> Groundwater pump and treatment <input type="checkbox"/> Surface water collection and treatment <input checked="" type="checkbox"/> Other: Educational Signage	<input type="checkbox"/> Monitored natural attenuation <input type="checkbox"/> Groundwater containment <input type="checkbox"/> Vertical barrier walls		
Attachments: <input type="checkbox"/> Inspection team roster attached <input type="checkbox"/> Site map attached			
II. INTERVIEWS (Check all that apply) SEPARATELY PRESENTED BEFORE CHECKLIST			

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)			
1.	O&M Documents <input type="checkbox"/> O&M manual <input type="checkbox"/> As-built drawings <input type="checkbox"/> Maintenance logs Remarks: Final LUCIP <i>Land Use Control and Long-Term Management (LTM) Implementation Plan for the Former Cape Poge Little Neck Bomb Target (USACE 2019).</i>	<input type="checkbox"/> Readily available <input type="checkbox"/> Readily available <input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
2.	Site-Specific Health and Safety Plan <input type="checkbox"/> Contingency plan/emergency response plan Remarks _____	<input type="checkbox"/> Readily available <input type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
3.	O&M and OSHA Training Records Remarks _____	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
4.	Permits and Service Agreements <input type="checkbox"/> Air discharge permit <input type="checkbox"/> Effluent discharge <input type="checkbox"/> Waste disposal, POTW <input type="checkbox"/> Other permits _____ Remarks _____	<input type="checkbox"/> Readily available <input type="checkbox"/> Readily available <input type="checkbox"/> Readily available <input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A

IV. O&M COSTS																																																			
1.	O&M Organization <input type="checkbox"/> State in-house <input type="checkbox"/> PRP in-house <input type="checkbox"/> Federal Facility in-house <input type="checkbox"/> Other: Signs currently inspected and maintained by ERT, Inc. for USACE.																																																		
2.	O&M Cost Records <input type="checkbox"/> Readily available <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> Funding mechanism/agreement in place (ERT contracted by USACE) Original O&M cost estimate _____ <input type="checkbox"/> Breakdown attached Total annual cost by year for review period if available <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">From _____</td> <td style="width: 10%;">To _____</td> <td style="width: 40%;"></td> <td style="width: 20%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">Total cost</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">Breakdown attached</td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td>Total cost</td> <td><input type="checkbox"/></td> <td>Breakdown attached</td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td>Total cost</td> <td><input type="checkbox"/></td> <td>Breakdown attached</td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td>Total cost</td> <td><input type="checkbox"/></td> <td>Breakdown attached</td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			From _____	To _____					Date	Date	_____	Total cost	<input type="checkbox"/>	Breakdown attached	From _____	To _____		Total cost	<input type="checkbox"/>	Breakdown attached	Date	Date					From _____	To _____		Total cost	<input type="checkbox"/>	Breakdown attached	Date	Date					From _____	To _____		Total cost	<input type="checkbox"/>	Breakdown attached	Date	Date				
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From _____	To _____		Total cost	<input type="checkbox"/>	Breakdown attached																																														
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3.	Unanticipated or Unusually High O&M Costs During Review Period	Describe costs and reasons: <u>None.</u>		
V. ACCESS AND INSTITUTIONAL CONTROLS <input type="checkbox"/> Applicable <input type="checkbox"/> N/A				
A. Fencing				
1.	Fencing damaged	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Gates secured	<input checked="" type="checkbox"/> N/A
Remarks _____ _____				
B. Other Access Restrictions				
1.	Signs and other security measures	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> N/A	
Remarks: The Cape Poge Land MRS property is owned by the Trustees of Reservation but there is public access.				
C. Institutional Controls (ICs)				
1.	Implementation and enforcement			
Site conditions imply ICs not properly implemented		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive by): In-person inspection _____				
Frequency: Annual _____				
Responsible party/agency: ERT under contract to USACE _____				
Contact <u>Carol Charette, USACE Project Manager</u>				
Reporting is up-to-date		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Reports are verified by the lead agency		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Specific requirements in deed or decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Other problems or suggestions: <input type="checkbox"/> Report attached				
<u>None.</u>				
2.	Adequacy	<input checked="" type="checkbox"/> ICs are adequate	<input type="checkbox"/> ICs are inadequate	<input type="checkbox"/> N/A
Remarks: LUCs are in place and functioning as intended.				
D. General				
1.	Vandalism/trespassing	<input type="checkbox"/> Location shown on site map	<input checked="" type="checkbox"/> No vandalism evident	
Remarks: _____ _____				
2.	Land use changes on site	<input checked="" type="checkbox"/> N/A		
Remarks _____ _____				

3.	Land use changes off site <input checked="" type="checkbox"/> N/A	Remarks _____ _____
VI. GENERAL SITE CONDITIONS		
A. Roads <input type="checkbox"/> Applicable <input type="checkbox"/> N/A		
1.	Roads damaged <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Roads adequate <input type="checkbox"/>	Remarks: _____
B. Other Site Conditions		
Remarks _____		
VII. LANDFILL COVERS <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
VIII. VERTICAL BARRIER WALLS <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
IX. GROUNDWATER/SURFACE WATER REMEDIES <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A		
X. OTHER REMEDIES <input checked="" type="checkbox"/> N/A		
If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.		
XI. OVERALL OBSERVATIONS		
A. Implementation of the Remedy		
Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.). The goal of the selected remedy is to protect human health and the environment by removing potential exposure to an explosive hazard. In accordance with the DD, the LUCs are intended to manage exposure hazards to the public through public awareness. The signs are placed at appropriate locations.		
B. Adequacy of O&M		

<p>Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.</p> <p>The LUCs are intended to manage exposure hazards to the public through public awareness. Although some munitions items (see Table 3 and Appendix C) have been found in or near the MRS, no injuries have been reported, indicating people have been following the 3 R's, and calling 911 when items have been encountered. System operations involves visual inspection and maintenance of the existing signage and an evaluation of current site conditions (as documented in the Appendix D 2020 LTM Report).</p>
<p>C. Early Indicators of Potential Remedy Problems</p>
<p>Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs that suggest that the protectiveness of the remedy may be compromised in the future.</p> <p>There are erosion issues in this dynamic seashore environment. However, the signs are in good condition from year to year. The northern most 'Little Neck' sign shows signs of erosion at the base and may need to be replaced during next year's annual LTM.</p> <hr/>
<p>D. Opportunities for Optimization</p>
<p>Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.</p> <p>There are no practical opportunities for optimization as the current annual frequency and the quantity and location of the signage are adequate to ensure the remedy is functioning as intended.</p>

APPENDIX C – EOD REPORTS

Former Cape Poge Little Neck Bomb Target
Final Five Year Review

Summary of Emergency Response Calls

Location	Ordnance Description	Date	Response Action - Disposition	COMMENTS
Cape Poge-Little Neck ("western-most point of the Land MRS 1 boundary - shoreline of Little Neck")	3 intact MK 23 practice bombs (2 spent, 1 live), plus misc MD	15-Aug-18	Massachusetts State Police Bomb Squad responded 16-Aug-18 and successfully countercharged the live item	Investigative report obtained from Massachusetts State Police Bomb Squad.
Little Neck area, Chappaquiddick	Identified as a Mk26 drop bomb	4-Oct-18	Item handed over to MA State Police. No EOD report available.	Investigative report obtained from Edgartown PD: Incident report 2018004765

NOTE:

Local Police/Fire Departments as well as the MA State police Bomb Squad and Navy EOD, were contacted regarding munition finds. No reports in addition to the one described below were obtained. USACE continues to attempt to obtain all EOD reports for all projects currently undergoing land use controls. Unfortunately obtaining complete reports or any report at all has been an ongoing challenge as EOD reports are not produced for all EOD responses. Reports that are provided are usually inadequate as well. Most do not provide specific information such as the site/project name and/or grid coordinate location of the munition response. Many are labeled as “found on Martha’s Vineyard”, which can be anywhere on the island and not particularly related to our project and not within or near our project footprint. USACE 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.

The photo below indicates an MK 23 practice bomb (shown with primer cap), one of three found August 15, 2018, at the Former Cape Poge Bombing Target Site MRS. The next picture is the investigation report from the Massachusetts State Police Bomb Squad.

Former Cape Poge Little Neck Bomb Target

Final Five Year Review



2018-117-16/71 INVESTIGATIVE REPORT This report has been a

[CANCEL](#) [UNAPPROVE](#) [EXPORT](#) [SUPPLEMENT](#) [ADD WATCHDOG](#) [HELP](#)

PRIMARY INFORMATION

REPORT TYPE: **INVESTIGATIVE REPORT**

REPORT DATE/TIME: 08/16/201 10:00:00

BRIEF DESCRIPTION: Chappaquidick Military Ord

REPORTING LEO: **Bachelder, Robert** LAW ENFORCEMENT OFFICIAL
Operator MSP0563 / Bomb Squad / Massachusetts State Police

BACKUP LEO: **Qualls, William** LAW ENFORCEMENT OFFICIAL
Operator msp2439 / Bomb Squad / Massachusetts State Police

DISSEMINATION: report respect the security of its

ADDRESSES (1)

RELATIONSHIP	ADDRESS
LOCATION OCCURRED	Little Neck POSTAL Chappaquidick, MA 02539

Former Cape Poge Little Neck Bomb Target *Final Five Year Review*

NARRATIVE

This item does not contain a document.

SYNOPSIS

On Thursday August 16, 2018 @ approx. 10:00Hrs, Sgt Bachelder responded to Little Neck on Chappaquiddick @ the request of Edgartown PD re: 3 pieces of Military Ordnance discovered by a fisherman on the shoreline, upon arrival examination revealed three MK23 Aerial Practice Bombs, two spent and one live. At the request of local authorities the live MK23 was transported off Chappaquiddick to the Edgartown land fill where it was successfully countercharged w/o incident. Sgt Qualls assisted with the disposal.

APPENDIX D-1 – LTM REPORT for CAPE POGGE MRS-2020

APPENDIX D-2 – LTM REPORT for CAPE POGGE from 2014 through 2019



14401 Sweitzer Lane, Suite 300
Laurel, MD 20707
Phone: 301-361-0620
www.ERTCorp.com

LETTER REPORT

TO: Carol Charette, USACE-CENAE, Todd Beckwith, USACE-CENAB

FROM: Thomas Bachovchin, ERT

DATE: October 09, 2020

SUBJECT: Annual Long Term Monitoring (LTM) Letter Report, Sign Inspection and UXO Awareness Training, Cape Poge Bombing Target Site Munitions Response Site

ERT, under contract with the U.S. Army Corps of Engineers (USACE), New England District, is implementing land use controls (LUCs) at three Military Munitions Response Program (MMRP) sites on Martha's Vineyard. This report addresses the following site:

- Cape Poge Bombing Target Site Munitions Response Site (MRS) – FUDS Property No. D01MA0595

This annual LTM report documents activities carried out on Martha's Vineyard in accordance with the LUC Implementation Plan (LUCIP) and Performance Work Statement for contract W912DR-15-D-0015-0003. The site visit, planned for June 2020, prior to the open beach season, was impacted by the Covid-19 pandemic and could not be conducted at that time. As a result, the Unexploded Ordnance (UXO) Awareness Training was conducted remotely, via the internet. The training was conducted for all Martha's Vineyard MMRP sites (including South Beach Moving Target Machine Gun and Katama Rocket Range MRS, Cape Poge Little Neck Bomb Target, and Tisbury Great Pond MRSs), as follows:

- On June 25, 2020, ERT conducted a UXO Awareness Training presentation via Google Meet. Multiple relevant parties were invited, including the Massachusetts Department of Environmental Protection (MassDEP), the Trustees of Reservation, first responders (local police and fire department personnel) and all others shown in the LUCIP distribution list (Table 3-1 of the LUCIP).

ERT was eventually able to conduct a site visit to Martha's Vineyard October 06 through 09, 2020, with October 09 being Cape Poge activities. The previous year's site visit was conducted on June 26, 2019. ERT staff arrived on Martha's Vineyard on October 09, 2020. The objectives of the site visit were to:

- Perform evaluation of current site conditions and sign inspection and maintenance of signs associated with the MRS.
- Replace and/or repair signs as needed.
- Review and document ordnance responses from the State Bomb Squad or Explosive Ordnance Detachment since the last inspection.



UXO Awareness Training

The presentation was conducted via Google Meet on June 25, 2020, by Mr. Michael Watson, ERT MMRP Health and Safety Officer. The PowerPoint presentation had previously been approved by USACE for the initial UXO Awareness presentation in June 2017. Due to the nature of the internet presentation, it was not possible to obtain a sign-in sheet. As a result, an attendance sheet was developed for all personnel that attended virtually and is included in Attachment A. Several persons could not attend the presentation and asked for DVDs of the presentation; these were forwarded. The attendance sheet included in Attachment A indicates those who requested DVDs.

Sign Inspection and Maintenance

In the interest of minimizing trips because of Covid-19 concerns, the October visit combined the implementation of the recommendations from last year's annual sign inspection (*Annual Long Term Monitoring Letter Report, Sign Inspection and UXO Awareness Training, USACE, May 2020*) and the sign inspection and maintenance for 2020. That is, the October 2020 trip included addressing signs that required repair or new installation per the LTM Letter Report of 2019 activities, as well as inspecting and cleaning the remaining signs.

On October 09, 2020, ERT's Mr. David Cote and Mr. Jim Stuby, conducted the inspection and maintenance. The weather conditions were sunny and very windy with a temperature of approximately 70 degrees F. Each sign, its location and general vicinity were evaluated in terms of site conditions.

As presented in Attachment B, ERT inspected and cleaned the two signs at the Cape Poge site. The signs were found to be in good or fair condition; formal recommendations for each sign are included in the Attachment B forms.

Site Conditions

Current site conditions were evaluated as part of this report. The site figure on page B-2 indicates the footprint of the area physically evaluated during the inspection. ERT walked the areas of the FUDS boundary from the southern-most point at Dyke Bridge northward to the northern tip of the FUDS boundary, assessing site conditions in terms of erosion and potential impacts to the proper functioning of the LUCs.

The conditions are described relative to the signage for easier geographical reference (see site figure, page B-2). As indicated in Attachment C, for the most part, erosion has not impacted the proper function of the LUCs in terms of the signs remaining in place. The Little Neck sign in the northern portion of site is more subject to erosion but was relatively unchanged from the 2019 conditions.

Southern portion of site: Area of Dyke Bridge Sign--minimal to no indications of erosion.

Northern portion of site: Area of Little Neck Sign--minimal signs of erosion in the overall northern portion of the area. Based on the minor impact to the sign legs, this area may undergo impactful erosion in the future. However, there are no significant impacts at this time.

ERT/USACE queried the Town of Edgartown Building Department for construction permits to determine whether such activities had been impacted by the past history of munitions use in the



area. No major construction activities were found to have occurred within the MRS that impacted the function of the LUCs and LTM program. There were no indications of additional areas of munition finds based on intrusive construction-type activities within the MRS, or indications that additional LUCs, such as signage, were required due to construction activities.

Post Inspection Interviews

Part of the scope of the LUCIP is to conduct interviews with community members about the site conditions. ERT conducted interviews via phone, which are presented in Attachment D.

Explosive Ordnance Detail (EOD) Activity

Local Police/Fire Departments as well as the MA State Police Bomb Squad and Navy EOD, were contacted regarding any incidents since the last annual LTM inspection (June 2019). As indicated in Attachment E, one ordnance incidents was reported at Cape Poge since the August 2018 finds discussed in the 2019 annual LTM Letter Report.

Note: USACE continues to attempt to obtain all EOD reports for all projects currently undergoing land use controls. Unfortunately obtaining complete reports or any report at all has been an ongoing challenge as EOD reports are not produced for all EOD responses. Reports that are provided are usually inadequate as well. Most do not provide specific information such as the site/project name and/or grid coordinate location of the munition response. Many are labeled as found on Martha's Vineyard, which can be anywhere on the island and not particularly related to our project and not within or near our project footprint. 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.

This letter report is organized as follows:

Attachment A – UXO Awareness Training Attendance

Attachment B – Site Figures, Sign Inspection Forms, and Photo Documentation Log

Attachment C – Site Conditions Forms

Attachment D – Interview Forms

Attachment E – EOD or MA State Bomb Squad Activity Form



Attachment A

UXO Awareness Training Attendance



CAPE POGE MRS UXO AWARENESS TRAINING – JUNE 25, 2020 PROVIDED REMOTELY THROUGH GOOGLE MEET			
Name	Title/organization	Phone	Email
Joanne Dearden	Massachusetts Department of Environmental Protection (MassDEP)- Southeast Regional Office	(617) 292-5788	joanne.dearden@state.ma.us
Chris Kennedy	Stewardship Manager Chappaquiddick Island	(508) 693-7662	Kennedy@thetrustees.org
Jessica McGroarty	Administrative Assistant Edgartown Park	(508) 228-7255	parks@edgartown-ma.us
Avery Newcomber	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Charlotte Lisa	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Dylan McAfee	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Engracia Scheller	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Thiago Muniz	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
John Cronin	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Reed Cory	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Shea Hamson	Town of Edgartown, Lifeguard	(508) 228-7255	parks@edgartown-ma.us
Requested (and were provided) DVDs of the Presentation			
Chris Kennedy	Stewardship Manager Chappaquiddick Island	NA	kennedy@thetrustees.org
Ned Bean	Chief Ranger Norton Point Beach	NA	ned_bean@milton.edu
<i>Note: some attendees were not identified through the Google Meet application.</i>			



Attachment B

Site Figure
Photo Documentation Log
Sign Inspection Forms

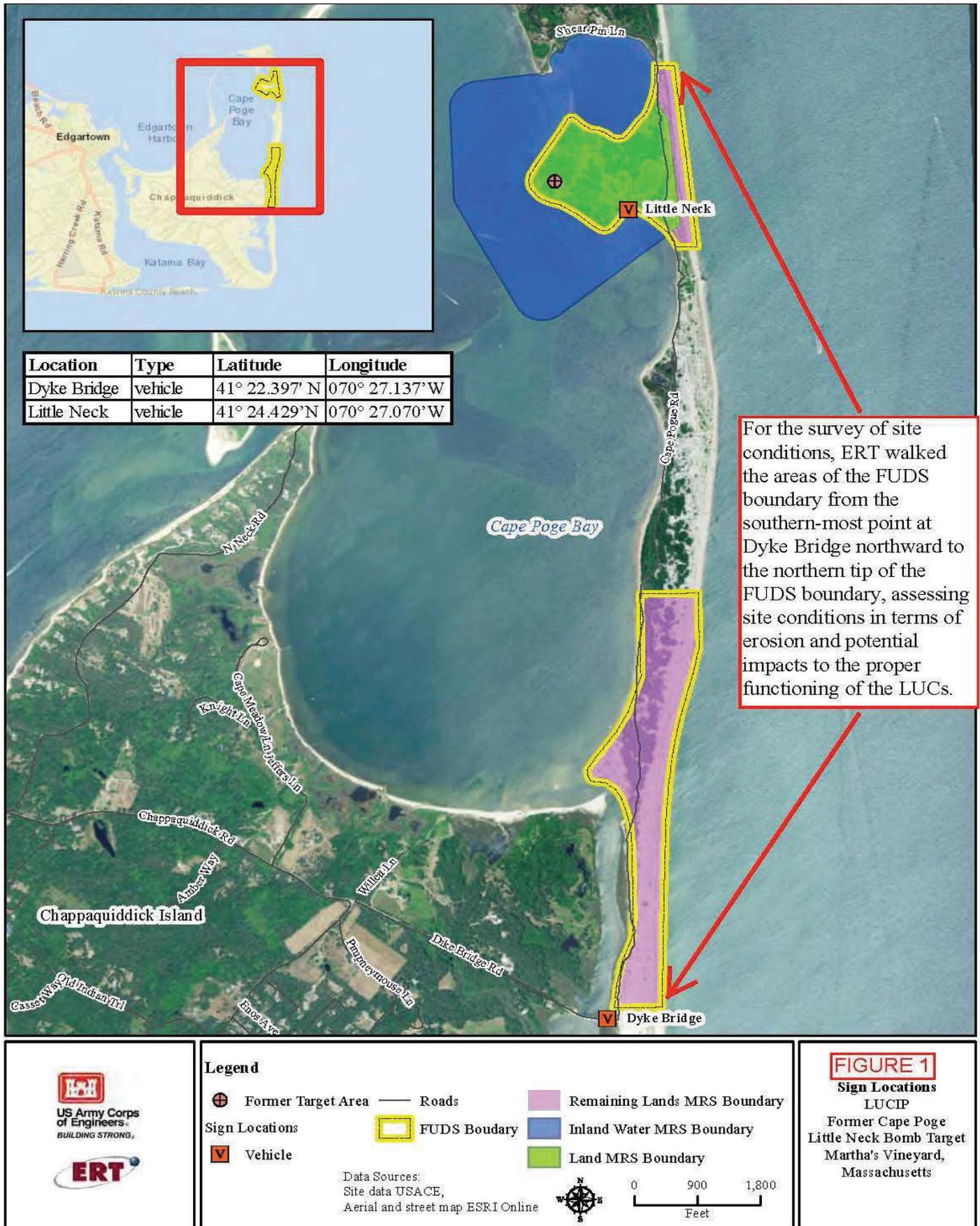


FIGURE 1

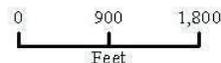
Sign Locations
LUCIP
Former Cape Poge
Little Neck Bomb Target
Martha's Vineyard,
Massachusetts



Legend

- ⊕ Former Target Area
- Roads
- Remaining Lands MRS Boundary
- Sign Locations
- ▭ FUDS Boundary
- Inland Water MRS Boundary
- ▭ Vehicle
- Land MRS Boundary

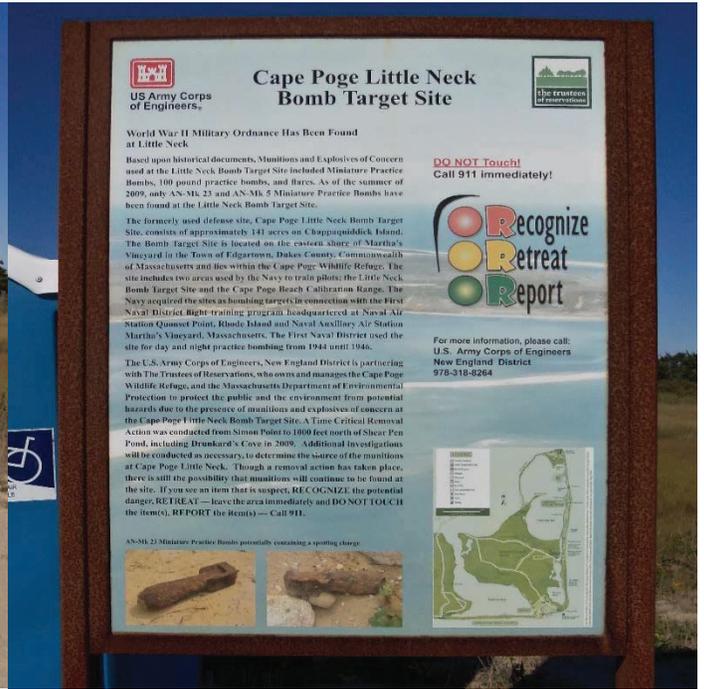
Data Sources:
Site data USACE,
Aerial and street map ESRI Online



Sign Inspection, Cape Poge, Martha's Vineyard
October 9, 2020



1. Dyke Bridge sign overview, looking north.



2. Dyke Bridge sign detail (front).



3. Little Neck sign overview, looking northwest.



4. Little Neck sign detail.

Sign Inspection, Cape Poge, Martha's Vineyard
October 9, 2020



5. Little Neck sign, underside.



II. Sign Inspection				
Sign Location	Condition (poor, fair, good, excellent)	Maintenance Required (cleaning, repair, replacement)	Maintenance Performed (type and date)	Notes: (include photograph documentation before and after maintenance)
Cape Poge Signs (photos 1-5)				
Dyke Bridge	Good	Cleaning, wiped down with Windex	Cleaning, October 09, 2020	<p>Sign location is east of Dyke Bridge (foot bridge and bicycle bridge), facing south. Overall very good condition. No erosion issues.</p> <p>RECOMMEND: No Action (photos 1, 2)</p>
Little Neck	Fair	Cleaning, wiped down with Windex	Cleaning, October 09, 2020	<p>Sign visible from Cape Poge Bay, about 10 feet from shoreline. Sign facing south. Overall fair condition. Text is good but legs are showing deterioration and may require replacement during next annual inspection. No erosion issues.</p> <p>RECOMMEND: No Action (photos 3, 4, 5)</p> <p><i>Note, needed escort by Trustee personnel due to nesting piping plover.</i></p>



Attachment C
Site Conditions Forms



I. Site Information		
Site Name: Cape Poge MRS	Date(s) of Inspection: October 09, 2020	
Location and Region: Martha's Vineyard, MA		
II. Site Conditions		
Location (vicinity of sign)	Site Conditions of Note (e.g., significant erosion since last site inspection, observations of munitions, or other observations that impact LUC implementation)	Notes: (include photograph documentation)
Cape Poge		
Southern portion of site: Area of Dyke Bridge Sign	Minimal to no signs of erosion in the southern portion of the site.	No findings that impact LUC implementation. (photos 1, 2).
Northern portion of site: Area of Little Neck Sign	Minimal signs of erosion in the overall northern portion of the area. Based on the minor impact to the sign legs, this area may undergo impactful erosion in the future. However, there are no significant impacts at this time.	No findings that impact LUC implementation at this time. However, storm surge has impacted sign legs and deterioration may require replacement during next annual inspection. (photos 3, 4, 5).



Attachment D
Interview Forms



I. Site Information		
Site Name: Cape Poge Bombing Target Site MRS		Date(s) of Inspection: October 09, 2020
Location and Region: Martha's Vineyard, MA NOTE—THE INTERVIEW FORMS ARE CONTAINED IN APPENDIX C OF THE FIVE YEAR REVIEW REPORT		
II. INTERVIEW ACTIVITY		
Individual Interviewed	Date of Interview	Brief Description of Discussion (include reports of onsite intrusive activities, EOD response action, etc.)
Sam Hart, TTOR Director	9/09/20	Emailed interview responses, see questionnaire
Jessica McGroarty, Town of Edgartown Parks Administrator - knowledgeable about the Cape Poge area as well as South Beach	10/26/20	Phone interview, see questionnaire
Martina Thornton, Dukes County Manager	01/28/21	Phone interview, see questionnaire
LT Chris Dolby, Edgartown Police Department	02/02/21	Phone interview, see questionnaire



Attachment E

EOD or MA State Bomb Squad Activity

NOTE:

Local Police/Fire Departments as well as the MA State Police Bomb Squad and Navy EOD, were contacted regarding any incidents since the last annual LTM inspection (June 2019). One ordnance incidents was reported at Cape Poge since the August 2018 finds presented in the 2019 annual LTM Letter Report.

Note: USACE continues to attempt to obtain all EOD reports for all projects currently undergoing land use controls. Unfortunately obtaining complete reports or any report at all has been an ongoing challenge as EOD reports are not produced for all EOD responses. Reports that are provided are usually inadequate as well. Most do not provide specific information such as the site/project name and/or grid coordinate location of the munition response. Many are labeled as found on Martha's Vineyard, which can be anywhere on the island and not particularly related to our project and not within or near our project footprint. 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.

Location	Ordnance Description	Date	Response Action - Disposition	COMMENTS
Little Neck area, Chappaquiddick	Identified as a Mk26 drop bomb	4-Oct-18	Item handed over to MA State Police. No EOD report available.	Investigative report obtained from Edgartown PD: Incident report 2018004765

October 2014 Martha's Vineyard Sign Inspection and Maintenance
October 02 - October 25, 2014



In storage, removed from south beach



Entrance to Wasque Point



Fisherman's Walk, sign obsolete



Entrance to Chappaquiddick Island



Little Neck, Chappaquiddick



Little Neck Chappaquiddick2

Please note that the trail has been permanently moved to the East (See vehicle in background). In 2nd photo note the encroaching waters of the cove.



South Beach, Right Fork



South Beach Center West



South Beach Center East



Left Fork Pedestrian



Left Fork Deflation

To: Mike Winningham, Zappata
From: Tom Rancich, VRHabilis

Subject: Sign Maintenance

VRH conducted sign maintenance on 9 and 10 June. Nine signs on Chappaquidick and South Beach were inspected, cleaned and found to be in satisfactory condition. One sign which had previously been removed from South Beach is in storage and able to be replaced reused. All photos are post maintenance.



In storage, removed from south beach per direction of Army Corp in 2012.



Entrance to Wasque Point 41°21.30'N 070°27.58'W



Fisherman's Walk, sign obsolete as Fisherman's walk destroyed by erosion. Erosion appears to be reversing so sign not in danger of loss, though also of little value to public.
41°21.11'N 070°27.23'W



Entrance to Chappaquiddick Island 41°22.39'N 070°27.14'



Little Neck, Chappaquiddick
41°24.38'N 070°26.95'W



South Beach, Right Fork
41°21.05'N 070°31.72'W



South Beach Center West
41°21.04'N 070°31.57'W



South Beach Center East
41°20.99'N 070°31.03'W



Left Fork
41°20.96N 70°30.73'W



Left Fork Deflation
41°20.99N 070°30.70'W

All signs have been cleaned, inspected and determined to be legible, stable and safe to perform their public safety mission.

To: Mike Winningham, Zappata
From: Tom Rancich, VRHabilis

Subject: Sign Maintenance

VRH conducted sign maintenance on 14 and 15 October. 13 signs on Chappaquidick, South Beach and Longpoint were inspected, cleaned and found to be in satisfactory condition.. One sign which had previously been removed from South Beach is in storage. The photos on left are pre-maintenance; those on right post.



In storage, removed from South Beach per direction of Army Corp in 2012.



Entrance to Wasque Point 41°21.30'N 070°27.58'W



Fisherman's Walk.
41°21.11'N 070°27.23'W



Entrance to Chappaquiddick Island
41°22.39'N 070°27.14'



Little Neck, Chappaquiddick
41°24.38'N 070°26.95'W



South Beach, Right Fork
41°21.05'N 070°31.72'W



South Beach Center West
41°21.04'N 070°31.57'W



South Beach Center East
41°20.99'N 070°31.03'W



Left Fork
41°20.96N 70°30.73'W



Left Fork Deflation
41°20.99N 070°30.70'W



Long Point main entrance from parking lot
41° 21' 15"N 70° 38' 31"W



Entrance to Winter beach
41° 20' 56"N 70° 38' 20"W



Western Beach Sign
41° 20' 54"N 70° 38' 31"W

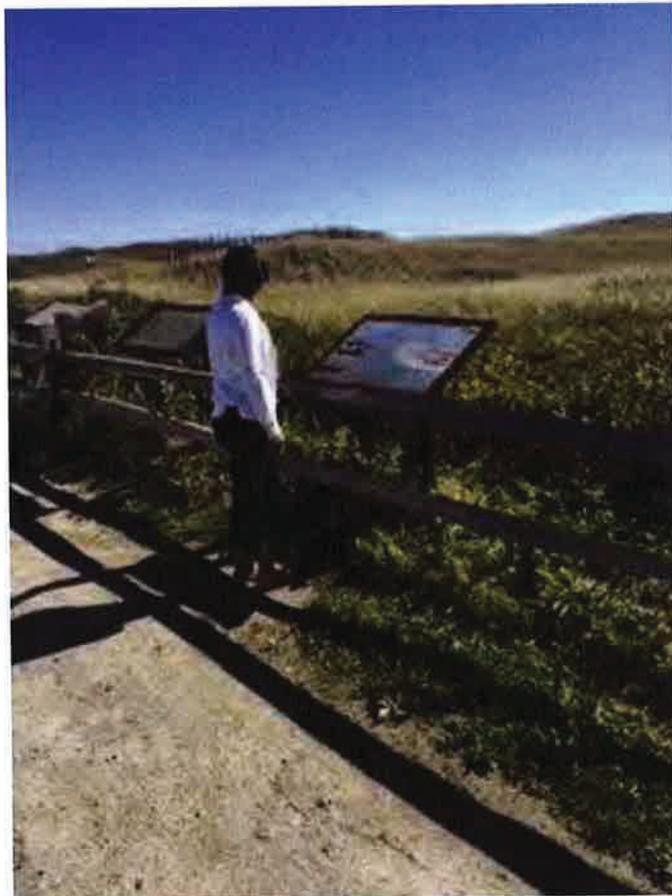


Beach Entrance at Summer Beach
41° 21' 02"N 70° 37' 57"W

The nine older signs (South Beach and Chappaquiddick) are showing some corrosion. The stand for the sign at Little Neck is the most dramatic example (it is still stable and will remain so for years)



In conclusion, the signs do attract attention. While visiting the locations for maintenance, the crew met this woman who was reading the sign. She thought the information was very interesting.



To: Mike Winningham, Zapata
From: Tom Rancich, VRHabilis

27 April 2015

Subject: Sign Maintenance

VRH conducted sign maintenance concluding on 15 April 2015. Nine signs on Chappaquidick and South Beach were inspected, cleaned and found to be in satisfactory condition. One sign which had previously been removed from South Beach, is in storage and able to be replaced/reused.



In storage, removed from south beach per direction of Army Corp in 2012.



Before



After

41°21.30'N 070°27.58'W

Entrance to Wasque Point, Sign is clean, legible and sound.



Before

After

41°21.11'N 070°27.23'W

Fisherman's Walk, Trustees are discussing replacing walkway to Wasque Point



Before

After

41°22.39'N 070°27.14'W

Entrance to Chappaquiddick Island.. Sign clean, legible and sound.



Before

After

41°24.38'N 070°26.95'W

Little Neck, Chappaquiddick. Sign clean, legible and sound.



Before



After

41°21.05'N 070°31.72'W

South Beach, Right Fork. Sign had sand splatter from winds--which was cleaned---sign is clean, legible and sound.



Before



After

41°21.04'N 070°31.57'W

South Beach Center West. Sign is clean, legible and sound.



Before



After

41°20.99'N 070°31.03'W

South Beach Center East. Sign is clean, legible and sound.



Before

41°20.96N 70°30.73'W

Left Fork. Sign is clean, legible and sound.



After



Before

41°20.99N 070°30.70'W

Left Fork Deflation. Sign had to be cleaned of sand (most likely blowing sand from beach entrance). Sign is clean, legible and sound.



After

All signs have been cleaned, inspected and determined to be legible, stable and safe to perform their public safety mission.

10 December 2016

Subj: SIGN MAINTENANCE

Sign maintenance was conducted between November 1st and December 1st. Astronomical high tides, extreme weather and conflicts caused the delay. All signs were found to be legible and in good material condition.



East Little Neck Before



After



Middle East LN Before



After



Middle West LN Before



After



North LN Before

After



Fisherman's Walk Before

After



Entrance Dyke Bridge Before

After



Entrance LN Before

After



Deflation South Beach Before

After





Bus stop SB Before

After



SB Middle East Before

After



SB Middle West Before

After



West Bus Stop Before

After



Long Point Beach Entrance
Before

After





Long Point Beach West
Before

After



Summer Entrance Long Point
Before

After



Entrance Long Point
Before

After



Entrance Wasque
Before

After

Please see the maintenance report. Maintenance was completed in April. Inclement weather was prohibitive. Please note that the white boards are for sorting purposes and indicate BEFORE and AFTER maintenance operations on all signs. All signs are in good condition and legible. **April 2 - 15, 2016**

Entrance to Wasque Point



Fisherman's Walk



Entrance to Chappaquiddick Island



Little Neck Chappaquiddick



South Beach, Right Fork



South Beach Center West



South Beach Center East



Left Fork Pedestrian Entrance /Bus stop



Left Fork Deflation Point



Long Point Main Entrance



Long Point Beach Winter Entrance



Long Point Western Boundry



Long Point Summer Entrance



Sign maintenance was conducted on 08 November 2017. Coordination with GSI was conducted to ensure safety and compliance with regulations.

The signs at East Little Neck, Middle West Little Neck and North Little Neck were no longer present. Representative example, looking east where sign had been.



Little Neck Middle East



Before



After significant debris removal

Fisherman's Walk



Before



After

Entrance Dyke Bridge



Before



After

Entrance Little Neck



Before



After

Deflation South Beach



Before



After

Bus stop South Beach



Before



After

South Beach Middle East



Before



After

South Beach Middle East



Before



After

South Beach Middle West



Before



After

West Bus Stop



Before



After

Long Point Beach Entrance



Before



After

Long Point Beach West



Before



After

Summer Entrance Long Point



Before



After

Entrance Long Point



Before



After

Entrance to Wasque



Before



After

To: Mike Winningham, Zappata
From: Tom Rancich, VRHabilis

Subject: Sign Maintenance

VRH conducted sign maintenance on 17 May. 16 signs on Chappaquidick, South Beach and Longpoint were inspected, cleaned and found to be in satisfactory condition. A sign on Chappaquidick had been removed by surveyors.



Entrance to Wasque Point



Fisherman's Walk.



Entrance to Chappaquidick Island





Little Neck, Chappaquiddick



South Beach, Right Fork Bus Stop



South Beach Center West



South Beach Center East



Left Fork Bus Stop



Left Fork Deflation



Long Point main entrance from parking lot



Entrance to Winter beach



Western Beach Sign



Beach Entrance at Summer Beach



Northern on Little Neck



Middle on Little Neck
(removed by surveyors)



Southern Sign Little Neck



To: Mike Winningham, Zappata
From: Tom Rancich, VRHabilis

Subject: Sign Maintenance

VRH conducted sign maintenance on 20 April 2018



Before

Entrance to Wasque Point

After



Before

Fisherman's Walk.

After



Before **Entrance to Chappaquiddick Island** After



Before **Little Neck, Chappaquiddick** After



Before



After

South Beach, Right Fork



Before



After

South Beach Center West



Before

South Beach Center East

After



Before

Left Fork



After



Before **Left Fork Deflation** After



Before **Long Point main entrance from parking lot** After



Before

Entrance to Winter beach

After



Before

Beach Entrance at Summer Beach

After

-The Long Point West Beach Entrance Washed Away



LETTER REPORT

TO: Carol Charette, USACE-CENAE, Todd Beckwith, USACE-CENAB
FROM: Thomas Bachovchin, ERT
DATE: May 07, 2020
SUBJECT: Letter Report, Sign Inspection and UXO Awareness Training, Martha's Vineyard MMRP Sites

ERT, under contract with the U.S. Army Corps of Engineers (USACE), New England District, is implementing land use controls (LUCs) at three Military Munitions Response Program (MMRP) sites on Martha's Vineyard:

- Cape Poge Bombing Target Site Munitions Response Site (MRS) – FUDS Property No. D01MA0595
- Former South Beach Moving Target Machine Gun and Katama Rocket Range MRS – FUDS Property No. D01MA0486
- Tisbury Great Pond MRS – FUDS Property No. D01MA0453

This annual Long Term Monitoring report documents activities carried out on Martha's Vineyard in accordance with the LUC Implementation Plan (LUCIP) and Performance Work Statement for contract W912DR-15-D-0015-0003.

ERT staff arrived on Martha's Vineyard on June 25, 2019. The objectives of the visit were to:

- Conduct a public presentation to the Edgartown Life Guards for South Beach, the TTOR Rangers at Norton Point, Cape Poge and TGP, and first responders including local police and fire department personnel and other interested parties on Unexploded Ordnance (UXO) Awareness with regard to the three Martha's Vineyard MMRP sites.
- Perform evaluation of current site conditions and inspection and maintenance of signage associated with the MRSs.
- Review and document ordnance responses from the State Bomb Squad or Explosive Ordnance Detachment since the last inspection.

UXO Awareness Training

The presentation was conducted on June 26, 2019, at the Edgartown Library, Edgartown, Massachusetts, by Mr. Michael Watson, ERT MMRP Health and Safety Officer. The PowerPoint presentation, approved by USACE, was presented by Mr. Watson to 31 attendees. None of the interested parties requested a copy of the DVD of the presentation.



The sign-in sheet is included in Attachment A.

Sign Inspection and Maintenance

Mr. Watson and David Cote, ERT, inspected the signs associated with all three sites on June 26 and 27. The weather conditions were slightly overcast the first day, but were sunny on the second day with a temperature ranging from 70-80 degrees F. Each sign, its location and general vicinity were evaluated in terms of site conditions.

In summary, as shown in Attachment B, most of the signs were in very good to good condition with no need for repair, replacement, or relocation. Formal recommendations for each sign are included in Attachment B.

ERT confirmed that five signs were completely missing (four within the South Beach MRS and one within the Tisbury MRS). These five had been reported missing in the previous sign inspection reports. As discussed in Attachment C, one of the five is likely the result of vandalism while the remainder are likely due to erosion of the area.

Site Conditions

Current site conditions were evaluated as part of this report. As indicated in Attachment C, the locations of the four missing signs are in areas where erosion has affected the proper function of the LUCs in terms of the signs remaining in place. No other severe or notable erosion conditions associated with any of the MRSs were noted. These signs will be replaced if appropriate locations can be identified in the field.

Post Inspection Interviews

Part of the scope of the LUCIP is to conduct interviews with community members about the site conditions. ERT conducted interviews via phone which are presented in Attachment D.

EOD Activity

Local Police/Fire Departments as well as the MA State police Bomb Squad and Navy EOD, were contacted regarding incidents since the June 2018 inspection. Attachment E contains a State bomb squad report concerning an August 2018 munitions-related find. However, after several attempts, no additional reports were obtained; these will be included as received.



This letter report is organized as follows:

Attachment A – UXO Awareness Training Sign-in Sheet

Attachment B – Site Figures, Sign Inspection Forms, and Photo Documentation Log

Attachment C – Site Conditions Forms

Attachment D – Interview Forms

Attachment E – Explosive Ordnance Detail (EOD) or MA State Bomb Squad Activity Form



Attachment A

UXO Awareness Training Sign-in Sheet



<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>Unexploded Ordnance Awareness Traiping Martha's Vineyard's Military Munitions Related Sites Edgartown Library, Edgartown, Massachusetts June 26th, 2019, 10:00 AM</p> </div> </div>					
<p>Contact information is requested so that USACE may provide notice of future presentations and to notify you of updates on the site.</p>					
Name	Title/Organization	Phone	Email	Address	
1	Bryce Nelson	Lifeguard	979-807-2850	mbrycnelson@gmail.com	25 Village Ct Vineyard Haven
2	Suzanne Marie Straton	Lifeguard	774-563-9109	suzannevms@gmail.com	42 Circular Street, Saratoga Springs NY
3	Flynn Loffey	Lifeguard	203-919-1355	flynnloffey@gmail.com	52 Nursery Street Iverson, CT
4	Griffin Coffey	Lifeguard	203-919-1355	griffincoffey757@gmail.com	52 Nursery St. Norwalk, CT
5	Beatrice Pratt	Lifeguard	617-893-1531	beatricepratt@gmail.com	14 Trinity Park Oak Bluffs, MA
6	Camron Cook	Lifeguard	617-841-2299	ccook@westcon.edu	14 Cow Bay Road
7	Lizzie Williamson	Lifeguard	617-833-1371	lizzie.williamson@icloud.com	10 Dark Hollow Lane
8	Chloe Blanc	Lifeguard	973-610-3671	Chloe.blanc12@aol.com	7 Hidden Cove, OB, 30 Mercier Way Edg
9	Brooks Jordan	Lifeguard	905-403-1566	brooks.jordan.mv@gmail.com	
10	PAULO PEREIRA	Lifeguard	774-563-0060	ppereirajr4@gmail.com	
11	Alana Morris	Lifeguard	508-621-2262	alanamorris54@gmail.com	
12	Jack Holmes	Lifeguard	508-560-4580	jackoh123@gmail.com	100 Highland Avenue
13	BRIAN USHER	Lifeguard	860 208-5628	bjusre@yahoo.com	44 WINDWOOD DR STORRS, CT 06268 (34 SDRS CLUB AD)
14	GENE TOWNES*	Sr. Lifeguard	508-621-8922	gene.townes49@gmail.com	12 CHAPMAN LANE EDGARTOWN MA 02545
15	Den Townes*	Sr. Lifeguard	508-221-1545	DLTownes@comcast.net	13 Chapman Lane Edgartown, MA
16	Brian Jordan	Sr. Lifeguard	908-403-8057	brianjordanmv@gmail.com	30 MERCIER WAY EDG



<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>Unexploded Ordnance Awareness Training</p> <p>Martha's Vineyard's Military Munitions Related Sites</p> <p>Edgartown Library, Edgartown, Massachusetts</p> <p>June 26th, 2019, 10:00 AM</p> </div> </div>					
Contact information is requested so that USACE may provide notice of future presentations and to notify you of updates on the site.					
	Name	Title/Organization	Phone	Email	Address
17	Jessica Sonia	Sr. Lifeguard	508-560-3852	Jess.m.Sonia@aol.com	141 Great Plains rd West Tisbury Ma
18	Harrison Rodrigues	Sr. Lifeguard	808-727-0382	HarrisonRodrigues@gmail.com	60 Groah Way Vineyard Haven MA
19	Nevin Wallis	Lifeguard	508-560-4544	nwallis07@gmail.com	5 Strawberry Ln. Oak Bluffs, MA
20	Meghan Sonia	Lifeguard	508.560.4414	Meghan.Sonia12@gmail.com	141 Great Plains Rd West Tisbury MA
21	John Henry O'Shaughnessy	Sr. Lifeguard	774-563-9484	oshaughnessymv73@aol.com	5 Murrant Ave. OB, MA
22	Donald O'Shaughnessy SR	Lifeguard	774-563-9777	d4545@oshaughnessy@aol.com	11 11
23	Nate Nowcorer	Lifeguard	203-216-9042	natecorer15@gmail.com	28 Trinity Park, OB
24	John Knight	Lifeguard	617-961-5777	jack44knight@gmail.com	57 Eric Avenue, Newton MA
25	S. BLAKE ARTELL	Lifeguard	802-274-4592	BLAKE.ARTELL@gmail.com	35 CENTERBURY LN VINEYARD HAVEN TBox 88
26	Chris Kennedy	Island Superintendent Trustees of Reservations	508 627 7689	kenmed@theTrust.org	23 Pouch Rd Sct Edgartown
27	Antonio Cimenzo	Lifeguard	508 677 0555	AntonioCimenzo@yahoo.com	13 Lori Ln Oak Bluffs
28	Dillon McAndrews	Lifeguard	774-521-9213	dillonmcandrews1960@gmail.com	179 Skiff Ave Vineyard Haven
29	Alex Vasiliadis	Lifeguard	508-627-0827	alexvasiliadis68@gmail.com	30 Slough Cove Road.
30	Donald Herman	Lifeguard	774-563-5944	hermann@forecast.net	PO Box 2442 Oak Bluffs MA 02557
31	Jessica McCroarty	Edgartown Park Dept.	508-767-5264	Park@Edgartown-MA.US	70 Main St. Edgartown, MA
32					



Attachment B

Tisbury Great Pond MRS:

Site Figure
Sign Inspection Forms
Photo Documentation Log

South Beach MRS:

Site Figure
Sign Inspection Forms
Photo Documentation Log

Cape Poge MRS:

Site Figure
Sign Inspection Forms
Photo Documentation Log



Location	Type	Latitude	Longitude
Main Entrance from Parking Lot	pedestrian	41°21' 16.5" N	70° 38' 18.4" W
Entrance to Winter beach	pedestrian	41°20' 56" N	70° 38' 20" W
Western Beach	pedestrian	41°20' 54" N	70° 38' 31" W
Beach Entrance at Summer Beach	pedestrian	41°21' 2" N	70° 37' 57" W

November 2019

Legend

- Pedestrian
- Tisbury Great Pond MRS - Remedial Action Area

Data Sources: ESRI Online, USACE

Figure 1
Sign Locations
 Sign Inspection Report
 Tisbury Great Pond MRS
 Martha's Vineyard, Massachusetts

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I. Site Information				
Site Name: Martha's Vineyard MRSs		Date(s) of Inspection: June 26 and 27, 2019		
Location and Region: Martha's Vineyard, MA				
II. Sign Inspection				
Sign Location	Condition (poor, fair, good, excellent)	Maintenance Required (cleaning, repair, replacement)	Maintenance Performed (type and date)	Notes: (include photograph documentation before and after maintenance)
Tisbury Great Pond (photos 1-6)				
Beach Entrance at Summer Beach	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located at south of parking area, south of wood chip trail, facing east. Overall very good condition. No erosion issues. RECOMMEND: no action
Entrance to Winter beach	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located at beach trail head and corner of roads, facing north. Overall very good condition. No erosion issues. RECOMMEND: no action
Western Beach	N/A	N/A	N/A	Sign is missing (likely due to erosion). Confirmed situation from last inspection. RECOMMEND: replace sign if appropriate location identified (photo 5)
Main Entrance from parking lot	N/A	N/A	N/A	Sign is located near parking lot. Overall very good condition. No erosion issues. RECOMMEND: no action

Tisbury Great Pond
Inspection June 26, 2019



1. Summer Beach entrance.

2. Summer Beach, sign facing east.



3. Winter Beach entrance.

4. Winter Beach approach, sign facing north.

Tisbury Great Pond
Inspection June 26, 2019



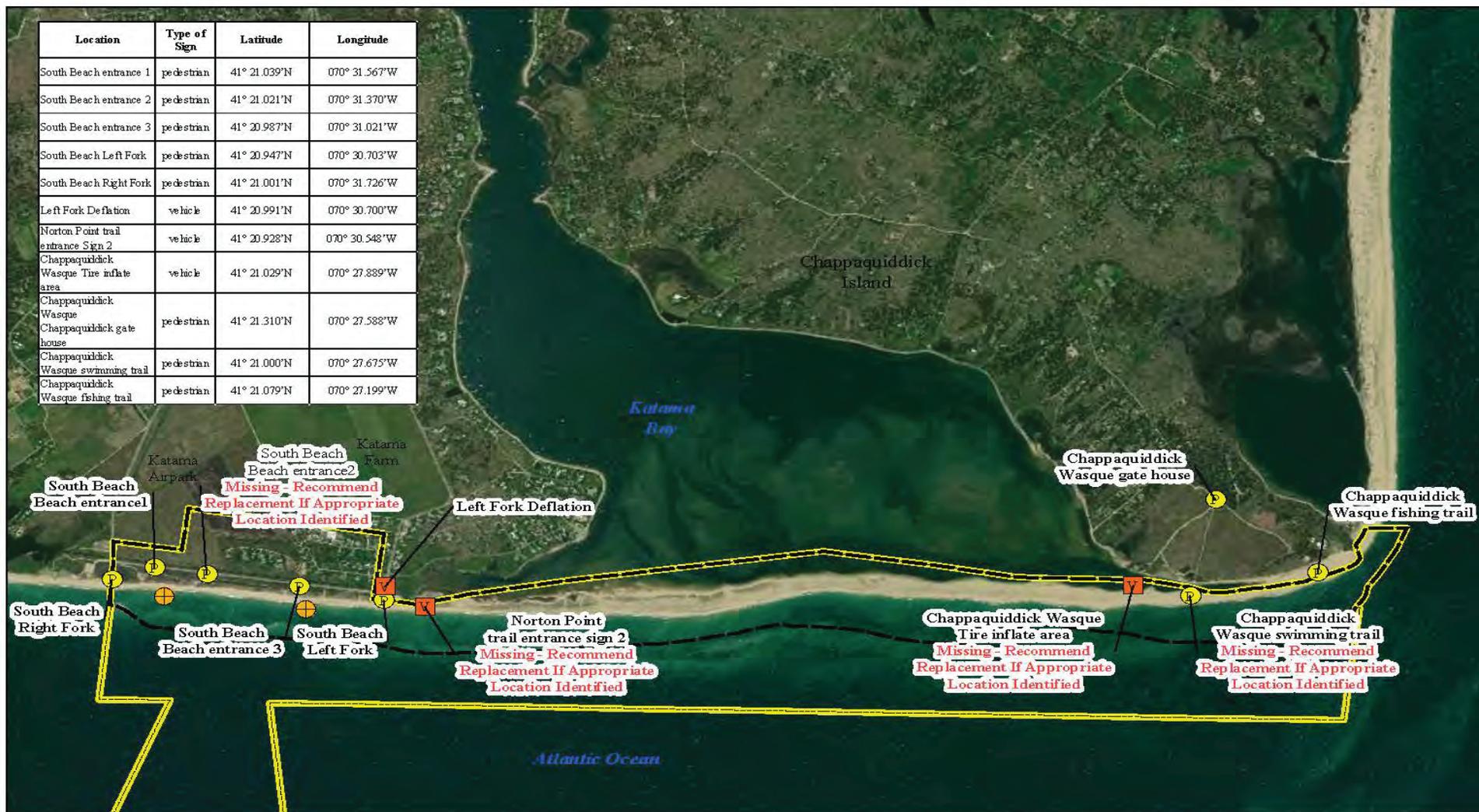
5. Western Beach sign missing.

6. Main Entrance from parking lot sign.



7. General area of Main Entrance sign.

Location	Type of Sign	Latitude	Longitude
South Beach entrance 1	pedestrian	41° 21.039'N	070° 31.567'W
South Beach entrance 2	pedestrian	41° 21.021'N	070° 31.370'W
South Beach entrance 3	pedestrian	41° 20.987'N	070° 31.021'W
South Beach Left Fork	pedestrian	41° 20.947'N	070° 30.703'W
South Beach Right Fork	pedestrian	41° 21.001'N	070° 31.726'W
Left Fork Deflation	vehicle	41° 20.991'N	070° 30.700'W
Norton Point trail entrance Sign 2	vehicle	41° 20.928'N	070° 30.548'W
Chappaquiddick Wasque Tire inflate area	vehicle	41° 21.029'N	070° 27.889'W
Chappaquiddick Wasque Chappaquiddick gate house	pedestrian	41° 21.310'N	070° 27.588'W
Chappaquiddick Wasque swimming trail	pedestrian	41° 21.000'N	070° 27.675'W
Chappaquiddick Wasque fishing trail	pedestrian	41° 21.079'N	070° 27.199'W



Legend

- Former Rocket Target
- Pedestrian
- Vehicle
- Former South Beach Moving Target Machine Gun and Katama Rocket Range MRS
- MRA Boundary

Data sources: ESRI Online, USAACE

Figure 2
Sign Locations
Sign Inspection Report
Former South Beach
Munitions Response Area
Martha's Vineyard, Massachusetts



II. Sign Inspection				
Sign Location	Condition (poor, fair, good, excellent)	Maintenance Required (cleaning, repair, replacement)	Maintenance Performed (type and date)	Notes: (include photograph documentation before and after maintenance)
South Beach (photos 7-25)				
South Beach Entrance 1	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located south of Atlantic drive and beach trail, at beach entrance #5, facing east. Overall very good condition. No erosion issues. RECOMMEND: no action
South Beach Entrance 2	N/A	N/A	N/A	<u>Sign is missing (likely due to vandalism).</u> Confirmed situation from last inspection. RECOMMEND: : replace if appropriate location identified (photo 9)
South Beach Entrance 3	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located south of Atlantic drive and beach trail, at beach entrance #3, facing east. Overall very good condition. No erosion issues. RECOMMEND: no action
South Beach Left Fork	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located south of Atlantic drive and beach trail, at beach entrance #4, facing north. Overall very good condition. No erosion issues. RECOMMEND: no action
South Beach Right Fork	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located adjacent to road and beach trail, facing north. Overall very good condition. No erosion issues. RECOMMEND: no action
Left Fork Deflation	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located west of Katama Rd, facing east, across from the tire pumping station. Overall very good condition. No erosion issues. RECOMMEND: no action
Norton Point Trail Entrance Sign 2	N/A	N/A	N/A	<u>Sign is missing (likely due to erosion).</u> Confirmed situation from last inspection. RECOMMEND: replace if appropriate location identified (photo 19)



Sign Location	Condition (poor, fair, good, excellent)	Maintenance Required (cleaning, repair, replacement)	Maintenance Performed (type and date)	Notes: (include photograph documentation before and after maintenance)
Chappaquiddick Wasque Tire Inflate Area	N/A	N/A	N/A	<u>Sign is missing (likely due to erosion).</u> Confirmed situation from last inspection. RECOMMEND: replace if appropriate location identified (photo 20)
Chappaquiddick Wasque Gate House	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located just pass the gate house, facing south. Overall very good condition. No erosion issues. RECOMMEND: no action
Chappaquiddick Wasque Swimming Trail	N/A	N/A	N/A	<u>Sign is missing (likely due to erosion).</u> Confirmed situation from last inspection. RECOMMEND: replace if appropriate location identified (photo 23)
Chappaquiddick Wasque Fishing Trail	Very Good	Cleaning, wiped down with Windex	Cleaning, June 26, 2019	Sign is located south of parking area, facing north. Overall very good condition. No erosion issues. RECOMMEND: no action

South Beach
Inspection June 26, 2019



7. Entrance 1, Sign facing east.



8. Entrance 1, opposite view.



9. Entrance 2, sign missing.



10. Entrance 3, sign facing east.

South Beach

Inspection June 26, 2019



11. Entrance 3, side view.



12. Left Fork, sign facing east.



13. Left Fork approach.



14. Right Fork, sign facing north.

South Beach

Inspection June 26, 2019



15. Right Fork, showing underside.



16. Right Fork, approach view.



17. Left Fork Deflation, sign facing east.



18. Left Fork Deflation, looking south.

South Beach

Inspection June 26, 2019



19. Norton Point Entrance 2, sign missing.



20. Wasque Tire Inflation Area, blocked off approach to missing sign.



21. Wasque Gate House, sign facing south.



22. Wasque Gate House, side view.

South Beach

Inspection June 26, 2019

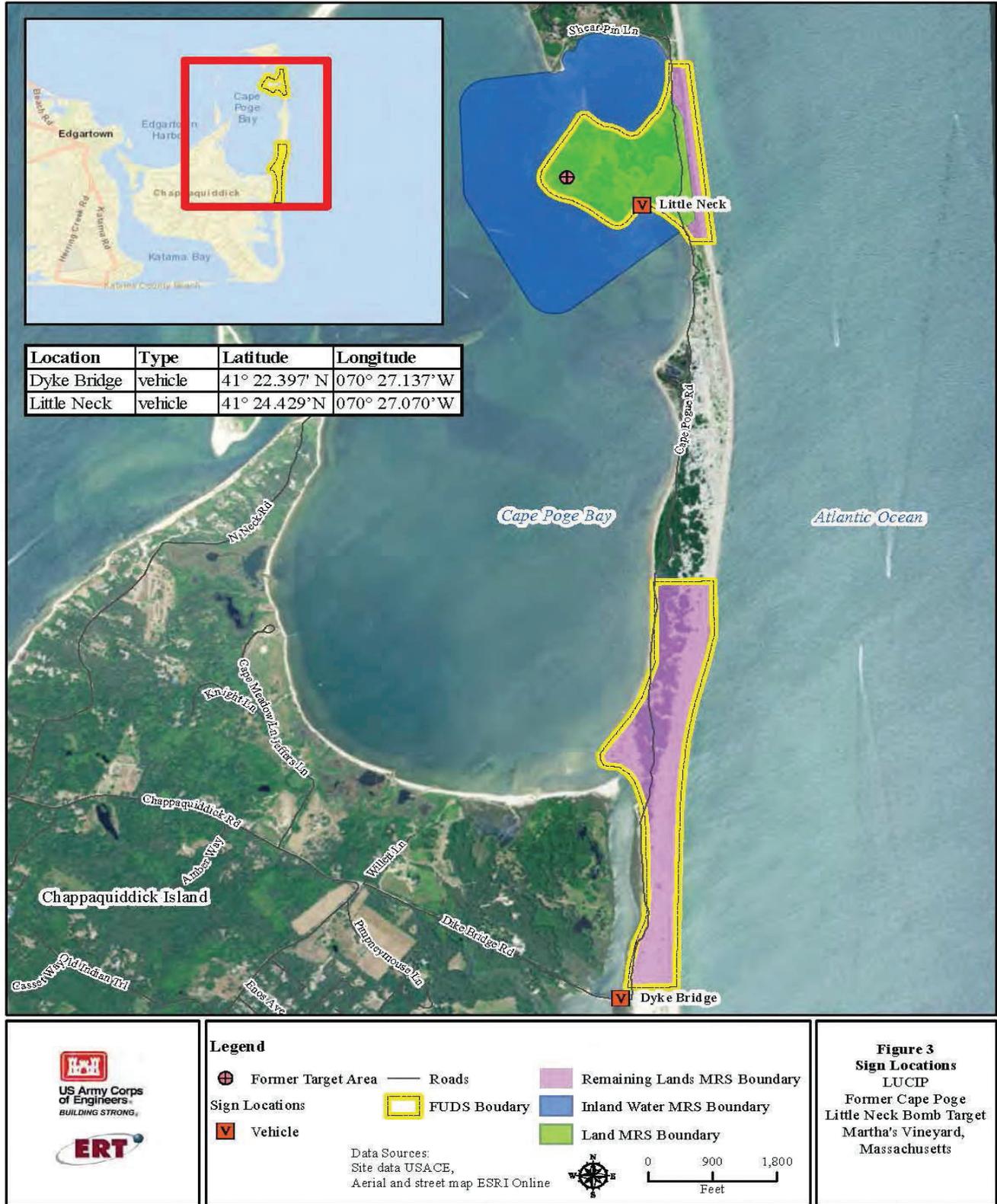


23. Wasque Swimming Trail, sign missing.

24. Wasque Fishing Trail, sign facing north.



25. Wasque Fishing Trail approach.



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II. Sign Inspection				
Sign Location	Condition (poor, fair, good, excellent)	Maintenance Required (cleaning, repair, replacement)	Maintenance Performed (type and date)	Notes: (include photograph documentation before and after maintenance)
Cape Poge Signs (photos 26-28)				
Dyke Bridge	Very Good	Cleaning, wiped down with Windex	Cleaning, June 27, 2019	Sign location is east of Dyke Bridge (foot bridge and bicycle bridge), facing south. Overall very good condition. No erosion issues. RECOMMEND: no action
Little Neck	Very Good	Cleaning, wiped down with Windex	Cleaning, June 27, 2019	Sign visible from Cape Poge Bay, about 10 feet from shoreline. Sign facing south. Overall very good condition. No erosion issues. RECOMMEND: no action <i>Note, needed escort by Trustee personnel due to nesting piping plover.</i>

Cape Poge

Inspection June 27, 2019



26. Dyke Bridge, sign facing south.



27. Little Neck, sign facing south.



28. Little Neck, sign approach.



Attachment C
Site Conditions Forms



I. Site Information		
Site Name: Martha's Vineyard MRSs	Date(s) of Inspection: June 26 and 27, 2019	
Location and Region: Martha's Vineyard, MA		
II. Site Conditions		
Location (vicinity of sign)	Site Conditions of Note (e.g., significant erosion since last site inspection, observations of munitions, or other observations that impact LUC implementation)	Notes: (include photograph documentation)
Tisbury Great Pond		
Area of Western Beach Sign	Area of sign has undergone severe erosion (sign was washed away prior to April 2018).	See photos 5&6.
Area of Entrance to Winter Beach Sign	Area showed no sign of erosion.	No findings that impact LUC implementation. See photos 3&4.
Area of Summer Beach Entrance Sign	Area showed no sign of erosion.	No findings that impact LUC implementation. See photos 1&2.
South Beach		
Area of Beach Entrance 1 & 2, and Right Fork Signs	Area showed no sign of erosion. Beach Entrance 2 sign missing but likely due to vandalism, not erosion.	No findings that impact LUC implementation. See photos 7-8, 9, 14-16.
Area of Left Fork, Left Fork Deflation, and Beach Entrance 3 Signs	Area showed no sign of erosion.	No findings that impact LUC implementation. See photos 10-11, 12-13, 17-18.
Area of Norton Point Trail Entrance Sign	Sign missing apparently due to erosion.	See photo 19.
Area of Wasque Tire Inflate and Swimming Trail Signs	Area of signs has undergone severe erosion. Both signs had been washed away prior to 2018.	See photos 20&23.
Area of Wasque Gate house and Fishing Trail Signs	Minimal to no signs of erosion.	No findings that impact LUC implementation. See photos 21, 22, 24, 25.
Cape Poge		
Area of Dyke Bridge Sign	Minimal to no signs of erosion.	No findings that impact LUC implementation. See photo 26.
Area of Little Neck Sign	Minimal to no signs of erosion.	No findings that impact LUC implementation. See photos 27&28.



Attachment D
Interview Forms



I. Site Information		
Site Name: Martha's Vineyard MRSSs		Date(s) of Inspection:
Location and Region: Martha's Vineyard, MA		
II. Interview Activity		
Individual Interviewed	Date of Interview	Brief Description of Discussion (include reports of onsite intrusive activities, EOD response action, etc.)
Jennifer Rand	8/09/19	Phone interview, see questionnaire



Community Interview Questionnaire Sheets (8-9-19 interview by ERT)

Name: Jennifer Rand (West Tisbury Town Administrator)

Telephone (H): _____ **Work (W):** 508-696-0102

1. A FUDS Long Term Management (LTM) is being conducted at the Former Nantucket Ordnance Site in Nantucket, MA. Have you heard about this project? If so, do you remember when and how you learned of it?

Ms. Rand was aware of the project and in general the past military history of the area. She felt it was fairly common knowledge as a historical matter but also knew about it from her position as Town Administrator.

2. Have you talked with any Army Corps of Engineers, state, or environmental officials about the ongoing FUDS LTM at the Nantucket Ordnance Site?

Yes, through her role as Town Administrator, but Ms. Rand did not provide a specific name.

3. If you have, were they responsive to your concerns or questions?

Ms. Rand indicated that yes, they have always been responsive. She personally did not have specific questions for anyone in an official capacity, but felt the information was readily available to her if any issues should arise.

4. Do you know how the community receives information about local events and news (*i.e.*, radio, television, online news sources or newspapers)?

Ms. Rand noted articles in local newspapers, but felt in general that the information is out there and people know about it.

5. Is there anything else you would like to mention that we have not talked about? If in answering this question you provide "historical" information, please identify the source of this information.

Ms. Rand had no further questions or issues.



Attachment E

Explosive Ordnance Detail (EOD) or MA State Bomb Squad Activity

NOTE:

Local Police/Fire Departments as well as the MA State police Bomb Squad and Navy EOD, were contacted regarding incidents in the past year. However, after several attempts, no additional reports in addition to the one described below were obtained; these will be included as received.

The photo below indicates an MK 23 practice bomb (shown with primer cap), one of three found August 15, 2018, at the Cape Poge Bombing Target Site MRS. The next picture is the investigation report from the Massachusetts State Police Bomb Squad.



2018-117-16/71 INVESTIGATIVE REPORT This report has been a

CANCEL UNAPPROVE EXPORT SUPPLEMENT ADD WATCHDOG HELP

PRIMARY INFORMATION

REPORT TYPE: INVESTIGATIVE REPORT

REPORT DATE/TIME: 08/16/201 10:00:00

BRIEF DESCRIPTION: Chappaquidick Military Ord

REPORTING LEO: **Bachelder, Robert** LAW ENFORCEMENT OFFICIAL
Operator MSP0563 / Bomb Squad / Massachusetts State Police

BACKUP LEO: **Qualls, William** LAW ENFORCEMENT OFFICIAL
Operator msp2439 / Bomb Squad / Massachusetts State Police

DISSEMINATION: report respect the security of its

ADDRESSES (1)

RELATIONSHIP	ADDRESS
LOCATION OCCURRED	Little Neck POSTAL Chappaquidick, MA 02539

NARRATIVE

This item does not contain a document.

SYNOPSIS

On Thursday August 16, 2018 @ approx. 10:00Hrs, Sgt Bachelder responded to Little Neck on Chappaquidick @ the request of Edgartown PD re: 3 pieces of Military Ordnance discovered by a fisherman on the shoreline, upon arrival examination revealed three MK23 Aerial Practice Bombs, two spent and one live. At the request of local authorities the live MK23 was transported off Chappaquidick to the Edgartown land fill where it was successfully countercharged w/o incident. Sgt Qualls assisted with the disposal.