



# ***Installation Restoration Program***



Air Force Civil Engineer Center

## **Military Munitions Response Program Status Update Joint Base Cape Cod, Massachusetts**

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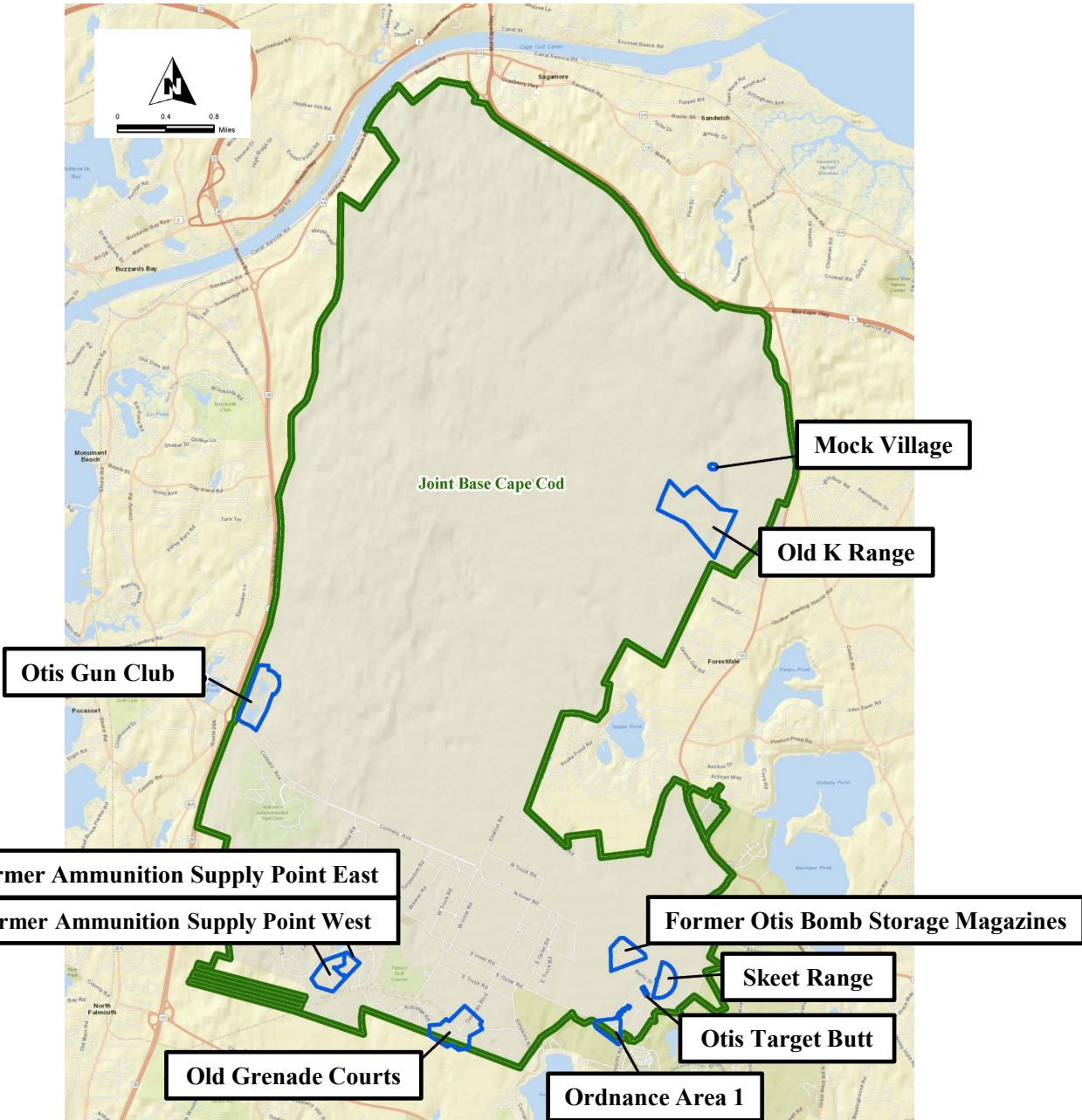
**EA Engineering, Science, and Technology, Inc., PBC**

**Joint Base Cape Cod Cleanup Team Meeting  
03 August 2022**

# Background of MMRP at JBCC

- The Air Force Civil Engineer Center (AFCEC) has been conducting investigation/remediation at 10 munitions response areas (MRAs) (two of which are closed) at JBCC under the Military Munitions Response Program (MMRP).
- As a result of previous military training, MMRP sites may contain munitions and explosives of concern (MEC), discarded military munitions (DMM), and/or munitions constituents (MC).
- The MMRP follows the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Contingency Plan.
- JBCC's Federal Facility Agreement applies to these MMRP sites but does not apply to operational ranges, operating storage/manufacturing facilities, or to permitted treatment and disposal facilities.

# MMRP Sites at JBCC



**Legend**

- Installation Boundary
- MRA Boundary

Note:  
MRA = Munitions Response Area

Service Layer Credits: ESRI Street Map, 2016  
AFCEC, 2015A. Final CSE Phase II Work Plan for  
Joint Base Cape Cod, Massachusetts

# Current Status of MMRP Sites

Site Name	Historic Use	Current Status	Notes/Challenges
Skeet Range	Small arms training	Remedial Investigation (RI) and Feasibility Study (FS) for lead	<ul style="list-style-type: none"> <li>• RI Report – In regulatory comment resolution.</li> <li>• FS in regulatory review.</li> </ul>
Otis Gun Club	Small arms training	RI/FS - AFCEC conducting supplemental RI	<p>Planning document – In regulatory comment resolution.</p> <p>Document details the means and methods of the supplemental RI including a wetland delineation; additional soil, sediment, and surface water sampling; a lead pellet study; and earthworm tissue sampling. The planning document also details how the data will be used in a baseline ecological risk assessment to evaluate affects of site-specific lead concentrations on ecological receptors.</p>

# Current Status of MMRP Sites

Site Name	Historic Use	Current Status	Notes/Challenges
Mock Village	Urban training complex, mock German village	Implementation of Land Use Controls (LUCs)	<p>Finalized Record of Decision on 6 April 2022 with EPA signature and MassDEP concurrence.</p> <ul style="list-style-type: none"> <li>Updating the Land Use Control Implementation Plan</li> <li>Implementation of LUCs</li> </ul>
Ordnance Area 1	Ordnance storage	No Further Response Action Planned Decision Document (NFRAP DD)	<p>Finalizing Supplemental CSE Phase II Report with EPA concurrence.</p> <ul style="list-style-type: none"> <li>AFCEC recommends no further action (NFA) and site closure based on investigation findings.</li> </ul> <p>Preparing the NFRAP DD for regulatory review.</p>

# Current Status of MMRP Sites

Site Name	Historic Use	Current Status	Notes/Challenges
Old Grenade Courts	Training with dummy/practice grenades and live grenades	Expanded CSE Phase II Investigation	<p>Currently conducting expanded MEC investigation including digital geophysical mapping and intrusive investigation of anomalies (ongoing). Field work was initiated on 28-February 2022 and is expected to conclude Fall 2022.</p> <p>Expanded investigation goal is to achieve site closure.</p>
Old K Range	Small arms and rocket range training	Proposed Plan	<ul style="list-style-type: none"> <li>Finalizing FS with concurrence from EPA and MassDEP</li> <li>Drafting the Proposed Plan for regulatory review</li> </ul>

## Current Status of MMRP Sites (continued)

Site Name	Historic Use	Current Status	Notes/Challenges
Former Ammunition Supply Point (FASP)-East	Ordnance storage	Comprehensive Site Evaluation (CSE) Phase II	EPA rescinded NFA – determining path forward with regulators.
FASP-West	Ordnance storage	CSE Phase II	EPA rescinded NFA – determining path forward with regulators.
Otis Target Butt	Small arms training	Site closed	
Former Otis Bomb Storage Magazines	Ordnance storage	Site closed	

Questions/Comments?