



Installation Restoration Program



Air Force Civil Engineer Center

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

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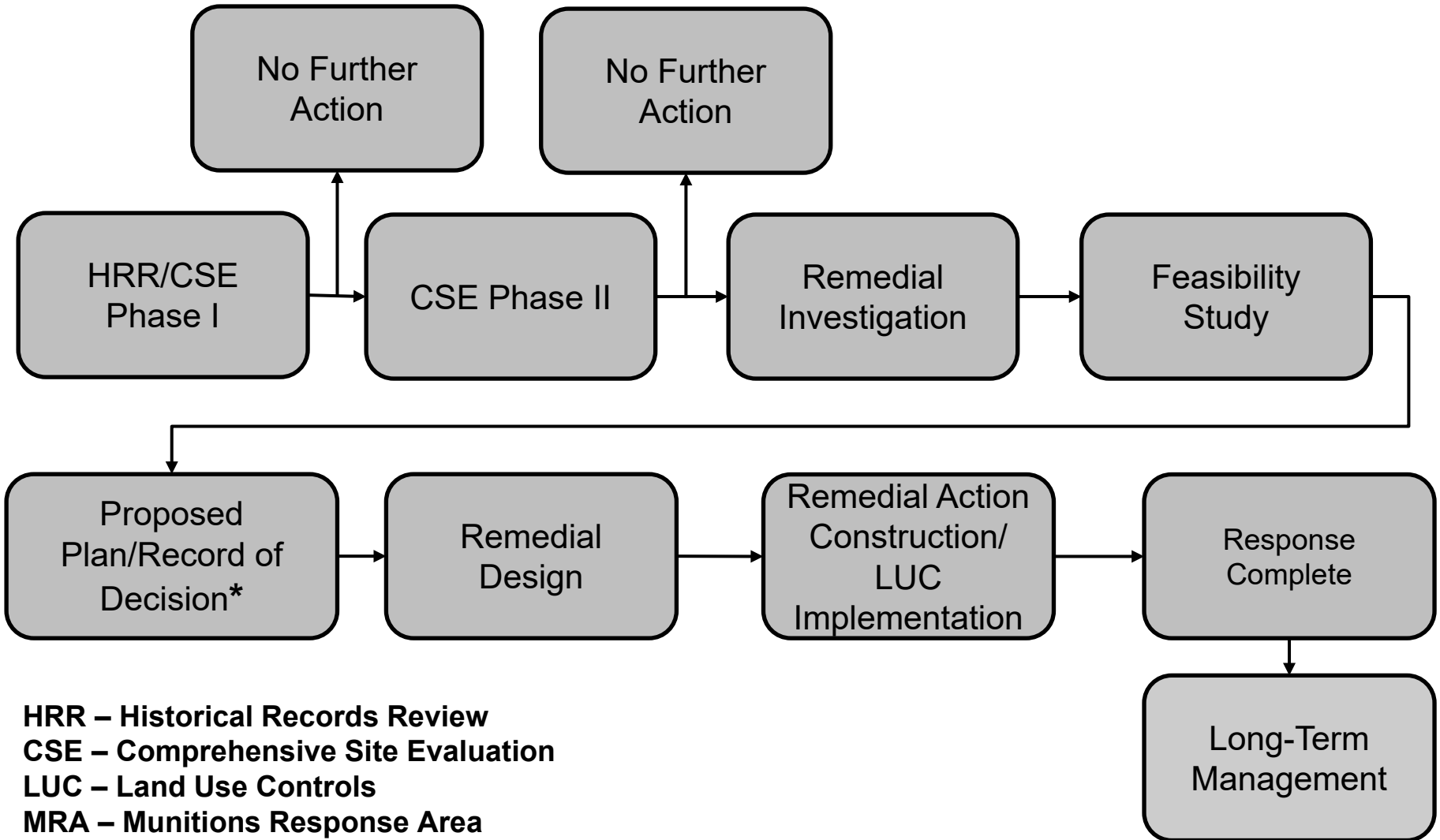
EA Engineering, Science, and Technology, Inc., PBC

**Joint Base Cape Cod Cleanup Team Meeting
13 April 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.

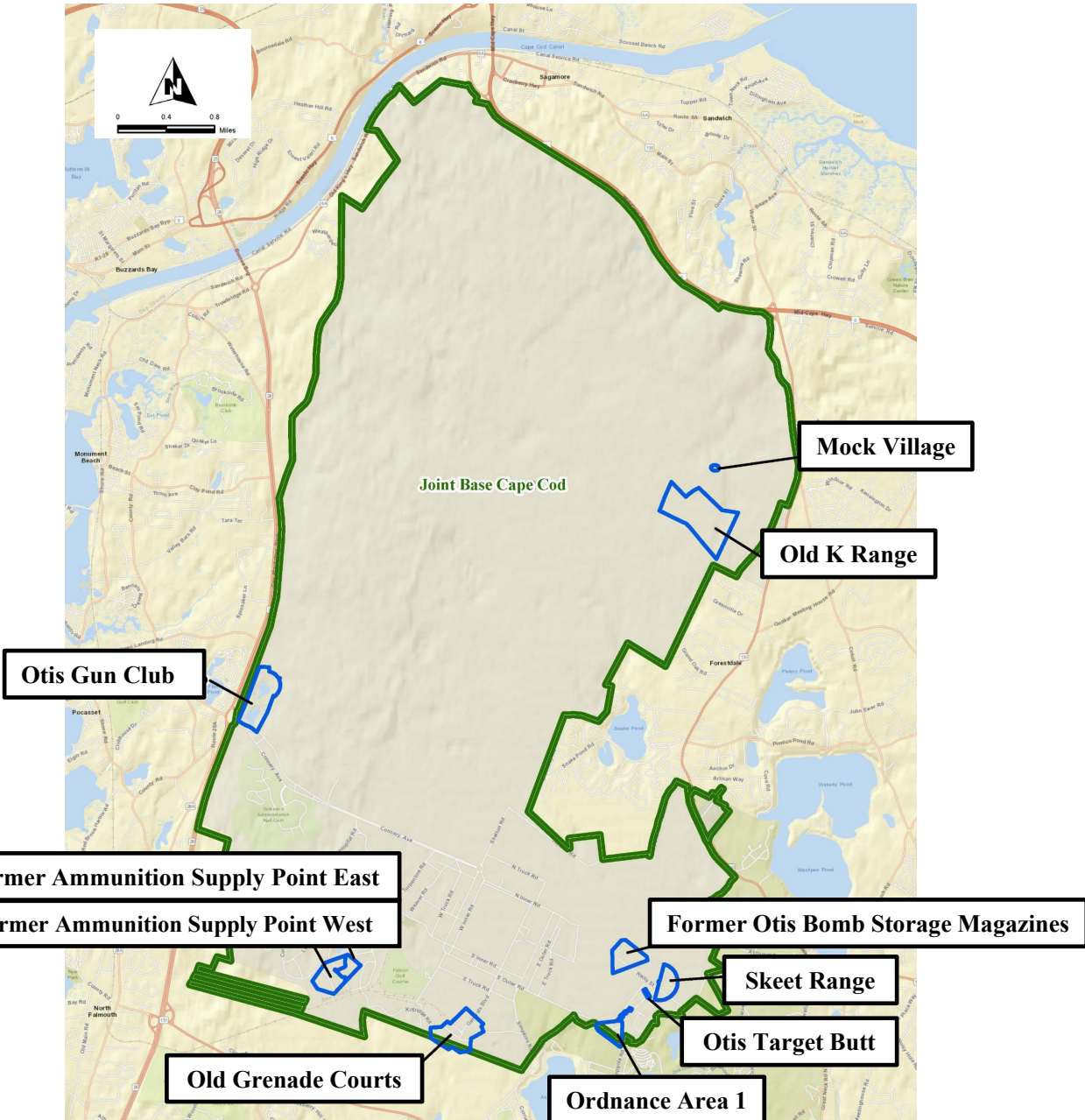
Review of the MMRP Process



HRR – Historical Records Review
CSE – Comprehensive Site Evaluation
LUC – Land Use Controls
MRA – Munitions Response Area

*** Includes opportunity for public involvement**

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"> • RI Report – In regulatory comment resolution. • FS in regulatory review.
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>
Mock Village	Urban training complex, mock German village	Record of Decision (ROD)	Finalized on 6 April 2022 with EPA signature and MassDEP concurrence.

Current Status of MMRP Sites

Site Name	Historic Use	Current Status	Notes/Challenges
Ordnance Area 1	Ordnance storage	Expanded CSE Phase II Investigation	Supplemental CSE Phase II Report in regulatory comment resolution. AFCEC recommends no further action (NFA) and site closure based on investigation findings.
Old Grenade Courts	Training with dummy/practice grenades and live grenades	Expanded CSE Phase II Investigation	Currently conducting expanded MEC investigation including digital geophysical mapping and intrusive investigation of anomalies. Field work was initiated on 28-February 2022 and is expected to conclude Fall 2022. No MEC or munitions debris (MD) have been found to date. Expanded investigation goal is to achieve site closure.
Old K Range	Small arms and rocket range training	FS	FS is in regulatory comment resolution.

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?