



Installation Restoration Program



Air Force Civil Engineer Center

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

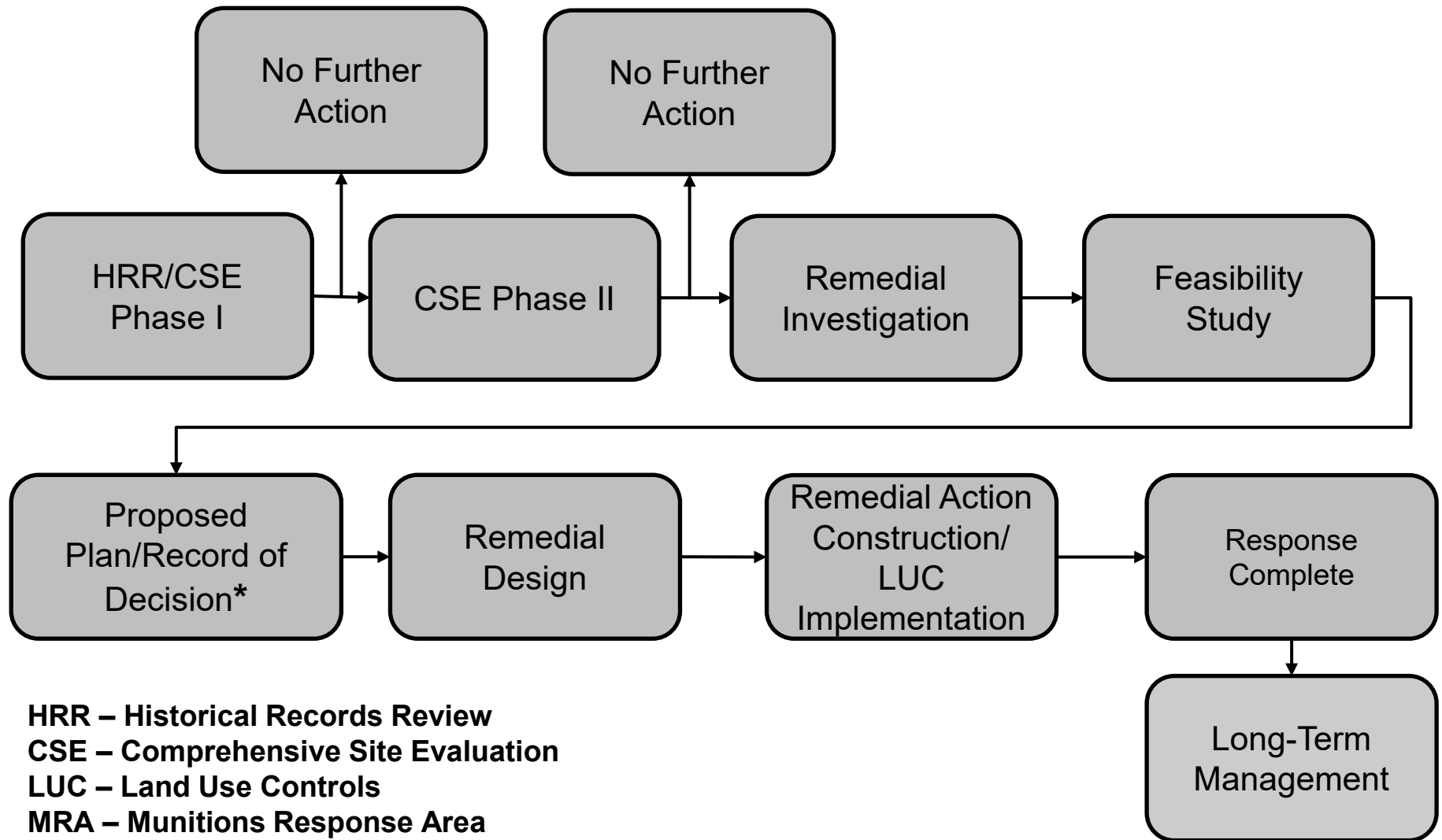
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EA Engineering, Science, and Technology, Inc., PBC**

**Joint Base Cape Cod Cleanup Team Meeting
01 December 2021**

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

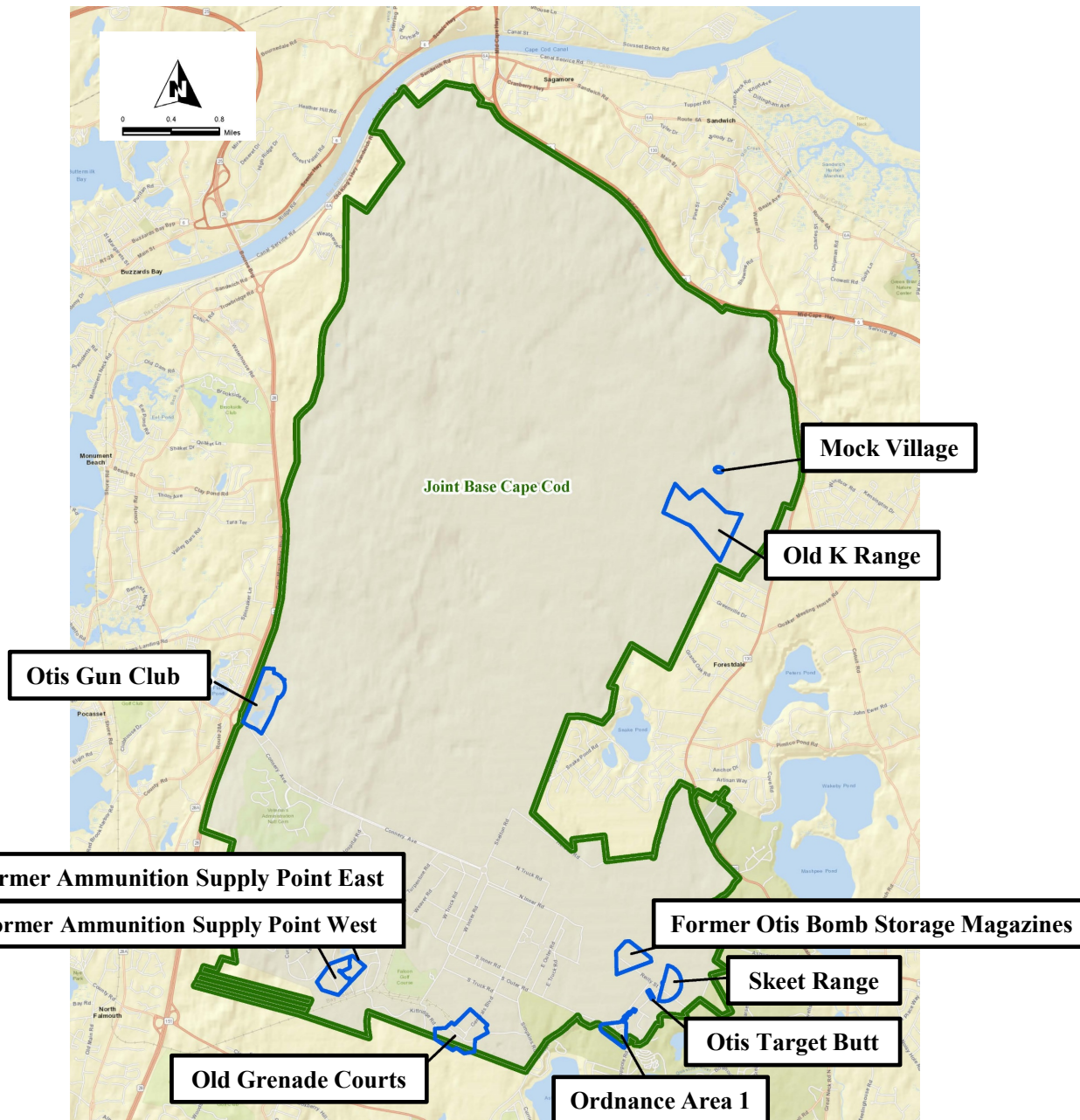
MRA – Munitions Response Area

*** 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	RI Report and FS in regulatory review.
Otis Gun Club	Small arms training	RI/FS - AFCEC conducting supplemental RI	AFCEC preparing planning document for regulatory review detailing 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 will also detail how the data will be used in a baseline ecological risk assessment to evaluate affects of site-specific lead concentrations on ecological receptors.
Mock Village	Urban training complex, mock German village	Record of Decision (ROD)	AFCEC responding to regulatory comments.

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 review. 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	Planning document for expanded investigation in regulatory review which details the means and methods for the MEC investigation including digital geophysical mapping and intrusive investigation of anomalies. Field work is scheduled to commence February/March 2022. Expanded investigation goal is to achieve site closure.
Old K Range	Small arms and rocket range training	FS	Draft FS in regulatory review.

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?