

## AFCEC:

Is dedicated to protecting human health and the environment and keeping the public informed.

- Has been tasked to conduct a program to identify and remediate areas outside of the active training areas where munitions may be present that pose a potential threat to human health, safety, or the environment.
- Will offer community involvement opportunities for the public to become informed and involved.

## FOR MORE INFORMATION:

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## COMMON ACRONYMS

AFCEC - Air Force Civil Engineer Center

CIP - Community Involvement Plan

CSE - Comprehensive Site Evaluation

DMM - Discarded Military Munitions

JBCC - Joint Base Cape Cod

MC - Munitions Constituents

MEC - Munitions and Explosives of Concern

MMR - Massachusetts Military Reservation

MMRP - Military Munitions Response Program

MRA - Munitions Response Area

MRS - Munitions Response Site

UXO - Unexploded Ordnance

## WHAT IS THE MMRP?

The MMRP was established by the National Defense Authorization Act of Fiscal Year '02 and became part of the Defense Environmental Restoration Program. It addresses potential threats to human health and the environment from munitions and munitions constituents in non-operational range areas (e.g. closed ranges, former munitions storage areas). AFCEC has been tasked to be the lead agency for the MMRP at JBCC. Its work will focus on the southern 6,000 acres of the base.

## I THOUGHT ALL DECISIONS AND REMEDIES WERE IN PLACE FOR AFCEC. WHY MMRP NOW?

The MMRP will address those munitions response areas (MRAs) that were suspected of possibly containing munitions or constituents but were of a much lower priority compared to other known hazardous waste sites at JBCC and nationwide. The MMRP gave the Department of Defense (DoD) the mechanism to address locations outside of training areas; however, no timeline was created so higher priorities were carried out by DoD. Resources are now available to address this concern.

## ISN'T THE ARMY CLEANUP PROGRAM HANDLING MUNITIONS CLEANUP?

The Army's Impact Area Groundwater Study Program (IAGWSP) is addressing munitions on operational ranges to the extent necessary to protect groundwater. At the same time, AFCEC will be addressing all potential threats from munitions or constituents at the non-operational range areas.

## ARE THERE NEW POLLUTION PLUMES OUT THERE WE DON'T KNOW ABOUT?

Investigations will verify whether soil contamination exists and if it is significant enough to potentially impact groundwater. AFCEC, in coordination with environmental regulators, will take all necessary cleanup actions to protect public health and the environment.

## HOW MANY MUNITIONS RESPONSE AREAS ARE BEING EVALUATED?

- Three MRAs are located off of JBCC property and will be evaluated for eligibility under the Formerly Used Defense Site (FUDS) program, which is managed by the Army Corps of Engineers.
- Nine MRAs will carry forward and be further evaluated by AFCEC in the Phase II Comprehensive Site Evaluation.

Most MRAs were identified in earlier records searches and interviews, while some were identified by looking at historical records and aerial photos during the 2007-2009 timeframe. AFCEC is confident that all significant MRAs have been identified. Future work will determine if any of those MRAs have evidence of Munitions Constituents (MC) or Munitions and Explosives of Concern (MEC) and should become a munitions response site (MRS) that warrants cleanup action.

## HOW WILL THE PUBLIC HEAR ABOUT THE MMRP IN THE FUTURE?

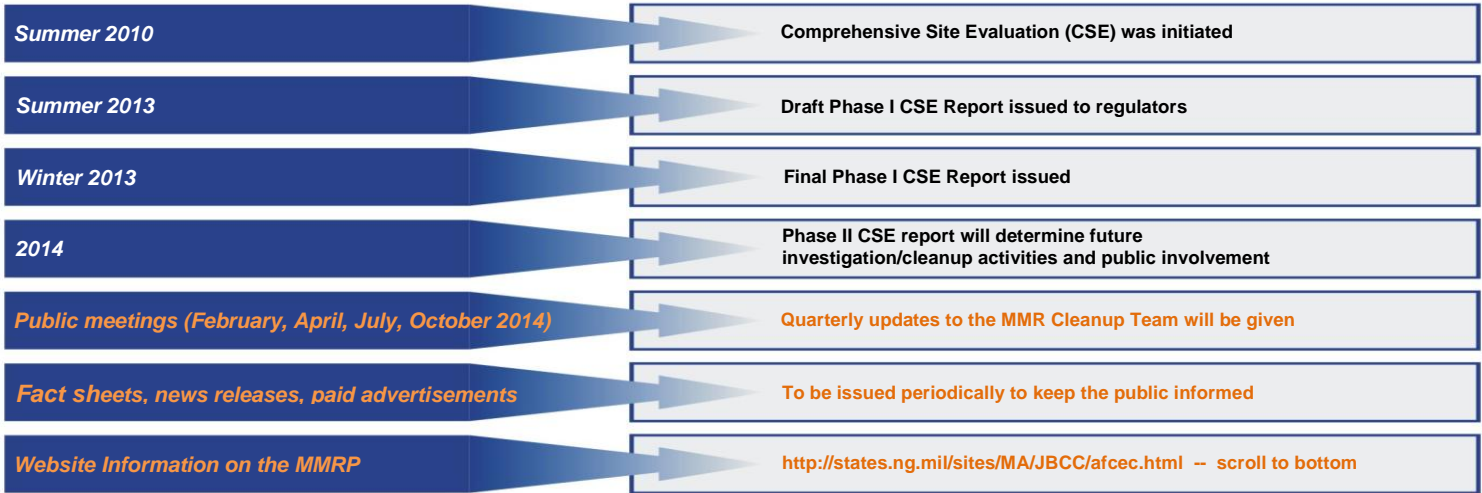
AFCEC will provide periodic updates to the MMR Cleanup Team, a public forum whose meetings are advertised and open to the public. Fact sheets and news releases will be issued to explain the progress that has been made. Public meetings, hearings and comment periods will be held as required in AFCEC's Community Involvement Plan (CIP) which can be found at:

<http://states.ng.mil/sites/MA/JBCC/afcec.html>

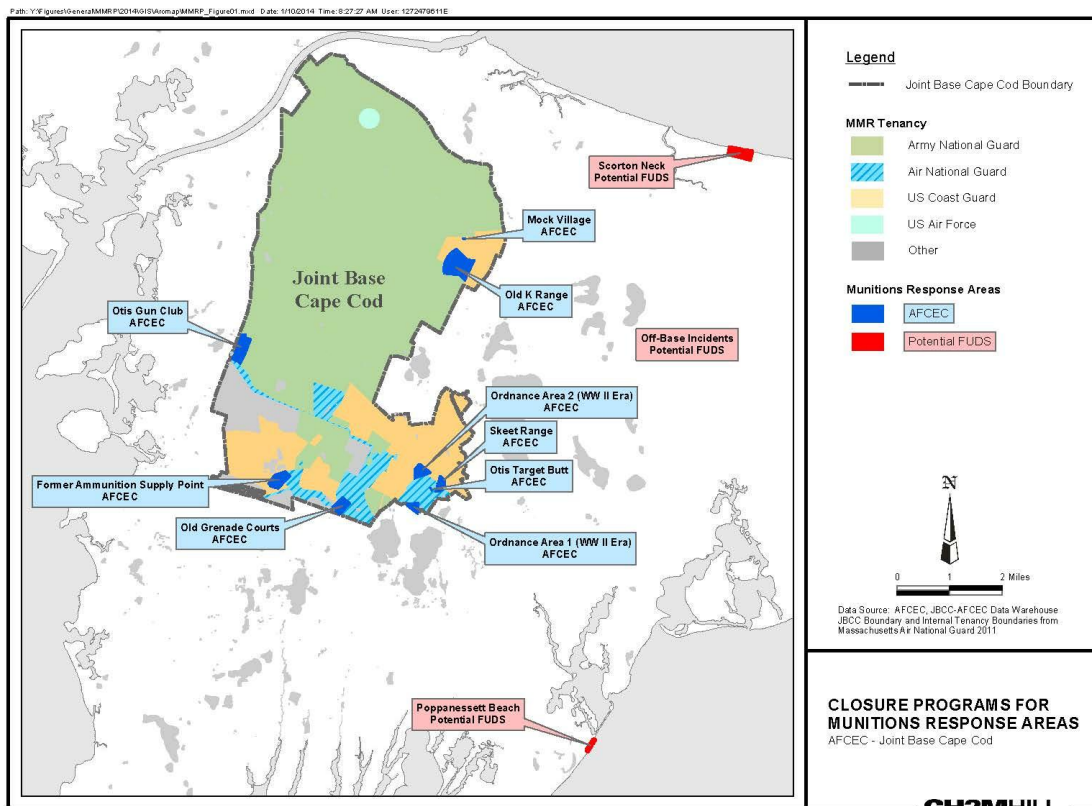
- After the webpage opens scroll down to the bottom for the CIP and other links.



*Former Grenade Court Trenchworks (an MRA)  
– Otis Air National Guard Base*



The MMRP will follow the same path as the Superfund cleanup program. Phase I and Phase II Comprehensive Site Evaluations are equivalent to the Superfund Preliminary Assessment and Site Inspection stages respectively. After CSE Phase I and Phase II are completed, there will be (as determined necessary) remedial investigations, feasibility studies of cleanup alternatives, proposed plans, final decisions, and removal actions. Some removal actions may occur early in the process if determined feasible. There may also be determinations of “no further action” if investigations show no public health or environmental risk to be present. The public will be offered opportunities to be informed and involved through meetings, comment periods and public hearings which will be advertised through paid ads and news releases. Additional fact sheets may be issued. A matrix of all required public involvement activities is listed on pages 18 and 19 in AFCEC’s 2010 CIP Addendum, available at the website link above. An update to the 2010 CIP is planned for 2014 including a revised Community Involvement Activities Matrix containing MMRP requirements.



The 12 locations in BLUE, which comprise AFCEC’s MMRP, are being investigated through the CSE process. The remaining three locations, in red, will be evaluated for eligibility under the Formerly Used Defense Site (FUDS) program, which is managed by the Army Corps of Engineers. For more information on the AFCEC MMRP please contact Doug Karson at (508) 968-4678, x2 or douglas.karson@us.af.mil For FUDS program information please contact Heather L. Sullivan at (978) 318-8543 or heather.l.sullivan@usace.army.mil

For general MMRP information please visit: <http://www.denix.osd.mil/MMRP/>