

**Feasibility Study for the Ricochet Area
Munitions Response Site in State Game Lands 211, Pennsylvania
Military Munitions Response Program**

Alternative 2 – Containment and Controls

- Explosive risk is managed through public outreach and awareness programs.
- A public awareness campaign may incorporate the following:
 - Brochures and fact sheets distributed to recreational users.
 - Signs placed on game lands to notify public of risk in encountering munitions.
 - Notifications included with permits and contracts.
 - Information provided on appropriate websites.
 - Awareness video provided to groups or organizations using the game lands.
 - Information added to existing resources, such as the Appalachian Trail Guidebook.
 - Information packages provided to public officials and emergency management agencies.
 - Educational materials targeting youth for classroom or groups (e.g., Boy/Girl Scouts) use.



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**Alternative 2 – Containment and Controls
Evaluation Criteria Rating**

Evaluation Criteria	Rating	
Overall protectiveness of human health and the environment	●	More protective than Alternative 1 because containment and controls reduce unacceptable exposure to munitions.
Compliance with applicable or relevant and appropriate requirements	●	Implemented to comply.
Long-term effectiveness and permanence	●	More effective and permanent than Alternative 1.
Reduction of toxicity, mobility, or volume of contaminants through treatment	●	Does not reduce the toxicity, mobility, or volume of munitions.
Short-term effectiveness	●	Does not present significant additional risk to the community or to workers at the site. Does not cause damage to the environment because no clearing, grubbing, or excavation would be required.
Implementability	●	Easily implemented.
Cost	\$181,998	
Regulatory agency acceptance	Cannot be fully evaluated and assessed until comments on the feasibility study are received.	
Community acceptance	Cannot be fully evaluated and assessed until comments on the proposed plan are received.	

Favorable ●

Moderately Favorable ●

Not Favorable ●



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Alternative 2 – Containment and Controls

Military Munitions Response Program
Remedial Investigation for the Ricochet Area
Munitions Response Site in State Game Lands 211

ATTENTION
Field crews are in the area from March through May 2010 conducting an investigation for historical munitions.
Controlled explosions may occur. Be alert for signs announcing explosive operations in progress.

Your Safety is Our Concern
Field crews will approach if you are within the safety zone of a controlled blast. You will be given specific instructions to follow to ensure your safety.

If you have any questions, please call the project field office at 1-877-842-7817.

A Hunter's Guide to Unexploded Ordnance (UXO)

If you **did not drop it, do not pick it up!**

Recognize
Retreat
Report

FOR YOUR INFORMATION

What Do I Do if I Find a Munition or Suspicious Item?
Follow the 3Rs:
Recognize (Munitions are dangerous)
Retreat (Do not touch or disturb)
Report (Call 911)

MUNITIONS (AMMO) ITEMS FOUND

... Damage Reduction Project completed in March 2007 by the U.S. Engineers and the New Jersey Department of Environmental Protection, located World War I-era munitions (pictured above) on the beach in Surf Bottom.

... were conducted by the U.S. Army Corps of Engineers to remove all from the beach. The entire stretch of beach at Surf City, as well as a area in Ship Bottom, was sifted in 2009 to remove munitions items.

For More Information...
U.S. Army Corps of Engineers
Public Affairs Office | 215-656-6515
www.nap.usace.army.mil/Projects/LBI

Sergeant Woof, our explosives safety expert says,
Remember the 3Rs:

Recognize
Retreat
Report

**UXO, Dud, Training Round, War Trophy, Souvenir
NO MATTER WHAT YOU CALL THEM! THEY CAN BE DEADLY!**

Learn and Follow the 3Rs

RECOGNIZE: The danger that a munition presents poses to yourself, your family and your neighbors.
RETREAT: Do not disturb, touch or move it. Do not give or throw it away.
REPORT: Call 911

If you **did not drop it, do not pick it up!**

Recognize
Retreat
Report

www.denix.osd.mil/uxosafety

BACKGROUND
Fort Miles Military Reservation Formerly Used Defense Site (FMFR FUDS) is approximately 492 acres and part of Cape Henlopen State Park in Lewes, Delaware, which is owned and operated by the State of Delaware Division of Parks and Recreation. FMFR FUDS is bounded by the Atlantic Ocean to the east, by the Delaware Bay to the north, and by the rest of Cape Henlopen State Park to the south and west. Originally known as Cape Henlopen Military Reservation, Fort Miles was part of the Harbor Defenses of the Delaware Bay during both World War I and World War II. The mission was to ensure freedom of movement of U.S. naval vessels in and out of the bay and to deny enemy access to the Delaware Bay and River. In addition to mining defenses, 90-mm, 155-mm, 6-inch, 8-inch, 12-inch, and 16-inch gun batteries existed on the shore of the FMFR. During WWII, the FMFR functioned as a prisoner of war camp and a storage facility for ammunition. After WWII, the FMFR continued to serve as a standby military post. During the 1950s, several range facilities were used, including small arms ranges, a skeet range, and two overlapping 3.5-inch inert rocket ranges.

WHAT DO I DO IF I FIND A MUNITION OR SUSPICIOUS ITEM?
FOLLOW THE 3 Rs:

RECOGNIZE:
When you discover a suspicious item or a possible munition, remember that these items can be very dangerous. Do not touch, kick, throw, or do anything else to disturb the item. Also, remember that munitions found in the ground are sometimes not readily identifiable, and may appear to be any other metallic or rusty item. Use caution, leave it alone, and do not touch it.

RETREAT:
If you know or suspect that you have found a munition, mark the area with a small object such as a hat or pen, and immediately walk away on the same path you came in on. Do not run.

REPORT:
If you encounter a munition, or suspect you have encountered such an item, do not attempt to disturb, remove, or destroy it. Immediately notify the Cape Henlopen State Park Manager at 302-645-8983.

US Army Corps of Engineers

Military Munitions Response Program / Ricochet Area Munitions Response Site

Address: Board #10

- July 2009 - 2009 Munitions Response Report
- September 2009 - 2009 Munitions Response Report
- October 2009 - 2009 Munitions Response Report
- November 2009 - 2009 Munitions Response Report
- December 2009 - 2009 Munitions Response Report
- January 2010 - 2010 Munitions Response Report
- February 2010 - 2010 Munitions Response Report
- March 2010 - 2010 Munitions Response Report
- April 2010 - 2010 Munitions Response Report
- May 2010 - 2010 Munitions Response Report
- June 2010 - 2010 Munitions Response Report
- July 2010 - 2010 Munitions Response Report
- August 2010 - 2010 Munitions Response Report
- September 2010 - 2010 Munitions Response Report
- October 2010 - 2010 Munitions Response Report
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