



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
**CORPS OF ENGINEERS, NORTHWESTERN DIVISION**  
1616 CAPITOL AVE, STE 365  
OMAHA, NE 68102-4909

CENWD-PDE

2 April 2012

MEMORANDUM FOR Commander, Kansas City District (CENWK-PM-E/Nelson)

SUBJECT: Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), Revised Inventory Project Report (INPR) for Property No. F10OR0029, Camp Adair/Adair AFS, Corvallis, Benton County, Oregon

1. Reference CENWK-PM-ES memorandum, 18 January 2012, subject as above, copy enclosed.
2. A Findings and Determination of Eligibility (FDE) statement for the subject property was signed on 8 May 1991 and is included with the revised INPR package.
3. The original MMRP project (F10OR002903) was approved on 26 March 1996. The enclosed memorandum proposes an administrative change to revise the original MMRP project into Munitions Response Area /Munitions Response Site definitions currently mandated by DoD. A revision to the original MMRP project and 11 new MMRP projects are proposed. The revised Property Survey Summary Sheet, the Project Summary Sheets, and the Munitions Response Site Prioritization Protocol (MRSP) results support this proposal. The revision to Project Number F10OR002903 and new Project Numbers F10OR002905, F10OR002906, F10OR002907, F10OR002908, F10OR002909, F10OR002910, F10OR002911, F10OR002912, F10OR002913, F10OR002914, and F10OR002915 are approved.
4. Please file this approval memorandum in accordance with current FUDS records management procedures. After 1 July 2012, please update the FUDS Management Information System (FUDSMIS) to reflect this approval, current property and project information (including realignment data), and programmed costs to complete the projects. Additionally, please ensure MRSP requirements are completed for each project.
5. Any questions may be referred to Judy Meier at (402)996-3816.

FOR THE COMMANDER:

Encl

  
DANIEL SANIUK, P.E.  
Chief, Military & Environmental/IIS  
Integration Programs Division

CF: CENWD-PDE (Nusz)  
CENWK-PM-ED (Nelson)  
CEHNC-CX-EC (Peterson)



DEPARTMENT OF THE ARMY  
KANSAS CITY DISTRICT, CORPS OF ENGINEERS  
635 Federal Building  
Kansas City, Missouri 64106-2894

REPLY TO  
ATTENTION OF:

CENWK-PM-ES

JAN 18 2012

Northwestern Division, FUDS Program Manager (CENWD-PDE / Mr. Nusz), 1616 Capitol Avenue, Suite 365, Omaha, Nebraska 68102-4909

Northwestern Division, Chief, Environmental and IIS Integration Division (CENWD-PDE / Mr. Tosoni), 1616 Capitol Avenue, Suite 365, Omaha, Nebraska 68102-4909

FOR Commander, Northwestern Division (CENWD-DC)

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. F10OR0029, Camp Adair/Adair Air Force Station (AFS) in Corvallis, Benton County, Oregon.

1. This memorandum, including enclosures, comprises the Revised INPR for the Military Munitions Response Program (MMRP) project at Camp Adair/Adair AFS. Enclosure 1 is the 2011 Revised Property Survey Summary Sheet. Enclosure 2 is the property map.
2. The Findings and Determination of Eligibility for this property was previously approved in 1991 and is included here as Enclosure 3. The property was determined to be eligible for inclusion into the FUDS Program. The MMRP project F10OR002903 is the subject of this revision.
3. This is an administrative change to revise the former MMRP project into Munitions Response Areas (MRA)/Munitions Response Sites (MRS) definitions currently mandated by the Department of Defense (DoD). This revision implements Headquarters U.S. Army Corps of Engineers (HQUSACE) Implementation Guidance for FUDS MMRP Project Realignment dated 13 August 2007, to realign the existing MMRP projects into separate MMRP projects. Eleven new MMRP projects (Projects 5 through 15) and a revision to the original MMRP project (Project 03) are proposed. Enclosure 4 contains the Project Summary Sheets and Munitions Response Site Prioritizations Protocol (MRSPP) results for the existing revised and each proposed MMRP Project. Enclosure 5 is the completed MMRP Project Realignment and Delineation.
4. This revision does not change the basic footprint of the property or scope of the project. The state of Oregon was part of the technical project planning team which developed and reviewed the findings of the project Site Inspection report which contained these potential project revisions.

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. F10OR0029, Camp Adair/Adair Air Force Station (AFS) in Corvallis, Benton County, Oregon.

5. I recommend that:

a. Northwestern Division approve the revised and new MMRP Projects.

b. Northwestern Division forward a copy of the approval memo and this revised INPR to the Environmental and Munitions Center of Expertise.

6. Please contact me directly if I can be of further assistance. Detailed information desired by your staff can be obtained by contacting Mr. David Nelson at (816) 389-3572 or by email at David.C.Nelson@usace.army.mil.

FOR THE COMMANDER:



SCOTT E. YOUNG

Chief, Environmental Programs Branch

5 Encls

1. Revised Property Survey Summary Sheet
2. Property Map
3. Findings and Determination of Eligibility
4. Revised Project Summary Sheets w/attachments
5. MMRP Project Realignment and Delineation Form



**DEPARTMENT OF THE ARMY**  
**KANSAS CITY DISTRICT, CORPS OF ENGINEERS**  
 635 Federal Building  
 Kansas City, Missouri 64106-2894

REPLY TO  
 ATTENTION OF:

CENWK-PM-ES

Northwestern Division, FUDS Program Manager (CENWD-PDE / Mr. Nusz), 1616 Capitol Avenue, Suite 365, Omaha, Nebraska 68102-4909

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FOR Commander, Northwestern Division (CENWD-DC)

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. F10OR0029, Camp Adair/Adair Air Force Station (AFS) in Corvallis, Benton County, Oregon.

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*JG*  
 GENTRY  
 ED-E

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 FISDALE  
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*MD*  
 DOLLY  
 SUPERVISOR

*Q*  
 FUERST  
 ED-E

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 LYLE  
 PM-ED

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 SMISEK  
 OC

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 YOUNG  
 PM-E

SUBJECT: Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS) Revised Inventory Project Report (INPR) for Property No. F10OR0029, Camp Adair/Adair Air Force Station (AFS) in Corvallis, Benton County, Oregon.

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FOR THE COMMANDER:

5 Encls

1. Revised Property Survey Summary Sheet
2. Property Map
3. Findings and Determination of Eligibility
4. Revised Project Summary Sheets w/attachments
5. MMRP Project Realignment and Delineation Form

SCOTT E. YOUNG  
Chief, Environmental Programs Branch

**REVISED**  
**PROPERTY SURVEY SUMMARY SHEET**  
**for**  
**DERP-FUDS PROPERTY NO. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROPERTY NAME:**

Camp Adair/Adair AFS (Air Force Station)

**LOCATION:**

Camp Adair, which comprises approximately 56,815.17 acres, is located approximately 9 miles north of Corvallis, Oregon in Polk, Benton, and Linn counties. Camp Adair is located at approximately latitude 44° 42' 21" North and longitude 123° 14' 28" West. The Formerly Used Defense Site (FUDS) property is located in U.S. Environmental Protection Agency Region 10 and Oregon's 4th and 5th Congressional Districts.

**PROPERTY HISTORY:**

Camp Adair was used primarily as a training facility for four infantry divisions between 1942 and 1945. The training activities included use of small arms, explosives, mortars, artillery, antiaircraft and antitank guns, and support by tanks and Army Air Forces aircraft. Other uses of the camp from 1944 to 1945 included bombing and gunnery practice for Navy/Marine pilots, storage facilities, a prisoner of war camp, and a Naval hospital. Camp Adair's cantonment area and hospital was located east of Highway 99, while the live fire and maneuver areas were to the west.

Camp Adair was declared surplus and assigned for disposition in April 1946. In 1946 the property was transferred to the Department of Agriculture for sale by the Federal Land Bank. A War Department letter of August 1946 stated that Camp Adair had been "dedudded so as to make it reasonably safe for any use." A Certificate of Clearance was issued in March 1947. Portions of Camp Adair were purchased by the Oregon State College for apartment buildings and for Oregon State College forestry land. Other portions of Camp Adair were sold to private owners.

In 1955, after several years of military inactivity, the Air Force acquired property in present day Adair Village and portions of the former cantonment area for use as an air defense facility (Semi-Automatic Ground Environment System). Adair Air Force Station later served as Headquarters for the 26th Air Division North American Air Defense Command (NORAD), which provided air defense for seven western states. Adair Air Force Station was selected in 1959 as a location for the Bomarc Missile base, but construction of the base was not completed. From 1955 to 1964, Air Force munitions training activity was limited to the use of Skeet Range No. 580 in the cantonment area. In 1969, Adair Air Force Station was closed. In 1970, the Adair Air Force Station lands were determined excess and reported to the General Services Administration for transfer. The Oregon National Guard uses a former Army range, Known Distance Rifle Range No. 4, for small arms training and platoon-sized tactical training. The Oregon Department of

Public Safety Standards and Training (DPSST) also uses the National Guard firing range for law enforcement officers.

As of 2006, over 1,000 individuals and agencies shared property ownership of the Camp Adair area. These owners include federal agencies (U.S. Forest Service), Oregon State agencies [Oregon State University, Parks and Recreation Department, Oregon National Guard, Oregon Department of Fish and Wildlife (ODFW)], private industry, and private citizens. There is uncontrolled access to the property.

**PROPERTY VISIT:**

Several property visits have been conducted on Camp Adair/Adair Air Force Station by U.S. Army Corps of Engineers (USACE) personnel, as well as by government contractors.

**CATEGORY OF HAZARDS:**

CON/HTRW, BD/DR, MMRP, HTRW, PRP/MMRP

**PROJECT DESCRIPTION:**

Project 01: CON/HTRW, 10 USTs. An underground storage tank (UST) Containerized/Hazardous, Toxic, and Radioactive Waste (CON/HTRW) project was approved on 04 March 1992 and assigned a No Department of Defense (DoD) Action Indicated (NDAI) status on 30 September 2004. The Project Closeout (PCO) phase for this project was achieved on 22 March 2006. This revised Inventory Project Report (INPR) does not address this project.

Project 02: BD/DR, Structural/Falling Hazard. A Building Debris/Building Demolition (BD/DR) project was approved on 04 March 1992 and assigned a NDAI status on 30 September 1998. PCO was achieved on 30 September 1998. This revised INPR does not address this project.

Project 03: MMRP, Small Arms Complex No. 1. Project 03, created on 26 March 1996, is the original Military Munitions Response Program (MMRP) project for this property. It is being realigned as part of the 2011 MMRP Project Realignment based on the 2007 Site Inspection Report. The Small Arms Range Complex No. 1 munitions response site (MRS) consists of three non-contiguous parcels of land which included ten former small arms ranges that were used for familiarization, qualifications, and field exercises between 1942 and 1945.

Project 04: HTRW, Various AOC's. A HTRW project for various Areas of Concern (AOC) was approved on 27 June 2007. This revised INPR does not address this project.

Project 05: MMRP, Practice Grenade Courts. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 05 addresses the Practice Grenade Courts MRS, which consists of six non-contiguous practice grenade courts of approximately 12.6 acres total. Three of these courts were north of the former cantonment area, and three were to the south. Practice grenade courts were designed to provide soldiers familiarization and confidence in handling hand grenades prior to advancing to a live grenade range. Training aids included practice and training hand grenades. The courts were used by the Army between 1942 and 1945.

Project 06: MMRP, Skeet Range No. 580. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 06 will address the area known as Skeet Range No. 580. Skeet Range No. 580, which comprises an area of approximately 29 acres, was used by the Air

Force between 1955 and 1964 as a skeet range. Munitions would have been limited to the use of shotguns. The MRS currently resides within the boundaries of a community park.

Project 07: MMRP, Chemical Identification Area No. 182. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 07 will address the area known as Chemical Identification Area No. 182. The MRS consists of approximately six acres, and was used by the Army between 1942 and 1945 for chemical recognition, decontamination exercises, and gas chamber exercises.

Project 08: MMRP, Live Grenade Courts. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 08 addresses the Live Grenade Courts MRS, which consists of three non-contiguous grenade courts, previously identified as Live Grenade Court East, Live Grenade Court No. 129, and Live Grenade Court West. The MRS measures approximately 75 acres, and was used by the Army between 1942 and 1945. Grenade courts were used to provide realism, familiarization, and confidence to soldiers in the use of live explosive fragmentation grenades. Munitions associated with this MRS include both high explosive and practice grenades.

Project 09: MMRP, Explosive Munitions Ranges. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 09 MRS consists of 19 individual ranges including a string of artillery, field combat ranges, and two bombing targets which ringed and overlapped the major impact area in the northern sector of Camp Adair, measuring a total of 15,455 acres. It was actively used by the Army, Navy and Marine Corps for live fire combat maneuvers, and support coordination exercises between 1942 and 1945. Munitions associated with the MRS include small arms, artillery, mortars, anti-tank rockets, bombs, pyrotechnics, smokes, incendiaries, and demolition materials.

Project 10: MMRP, Mortar Range. This is a new MMRP project created during the 2011 MMRP Project Realignment process. Project 10 will address the 793 acre-Mortar Range located in the southern portion of the property. The MRS was used by the Army between 1942 and 1945 for training troops in the use of mortars. Evidence indicates 60mm mortars were utilized with potential types including high explosive, smokes (white phosphorous), and practice.

Project 11: MMRP, Moving Target Range No. 75. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 11 will address the 802-acre Moving Target Range No. 75. The MRS was used by the Army between 1942 and 1945 and believed to be a moving target range for anti-tank training. Suspected munitions included small arms and artillery (37mm and 75mm).

Project 12: MMRP, Field Combat Ranges. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 12 consists of three field combat ranges (No. 89, 89A, and 89C) and measures 1,324 acres. It was actively used by the Army for live fire combat maneuver exercises between 1942 and 1945. All individual and crew-served conventional weapons were authorized use which included small arms and artillery.

Project 13: MMRP, Small Arms Complex No. 2. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 13 addresses sixteen (16) contiguous and overlapping small arms ranges comprised of 5,067 acres. The MRS includes only that area not associated with property currently used by the Oregon National Guard. The MRS was used by the U. S. Army between 1942 and 1945 and limited to the use of small arms munitions.

Project 14: MMRP, National Guard Ranges--MMRP. This is a new MMRP project created during the 2011 MMRP Project Realignment. Project 14 addresses the portion of the property originally included in Small Arms Complex No. 2 which is currently utilized by the Oregon National Guard. The area assigned to this MMRP project consists of the 324 acres within the State property boundary. The MRS was used by the U. S. Army between 1942 and 1945 for small arms training; however, because it is actively being used by the National Guard it is identified to have Potentially Responsible Party (PRP) implications. The project is to be declared NDAI, and a new PRP/MMRP project which mirrors this MMRP project created (Project 15).

Project 15: PRP/MMRP, National Guard Ranges--PRP. This is a new PRP/MMRP project created during the 2011 MMRP Project Realignment. Project 15 addresses the portion of the property originally included in Small Arms Complex No. 2 which is currently owned by the Oregon National Guard. The MRS was used by the U. S. Army between 1942 and 1945 for small arms training. After World War II, the project area was acquired by the National Guard, who continues to operate an active firing range. As this project is identified to have PRP implications, a 0-acre MRS has been created in order to maintain an administrative record until such time as a final determination is reached concerning responsibility for the performance of required response actions.

#### **AVAILABLE STUDIES AND REPORTS:**

Final Archives Search Report, August 2002, prepared by USACE-St. Louis District (CEMVS).

Final Site Inspection Report, June 2007, prepared by Shaw Environmental, Inc.

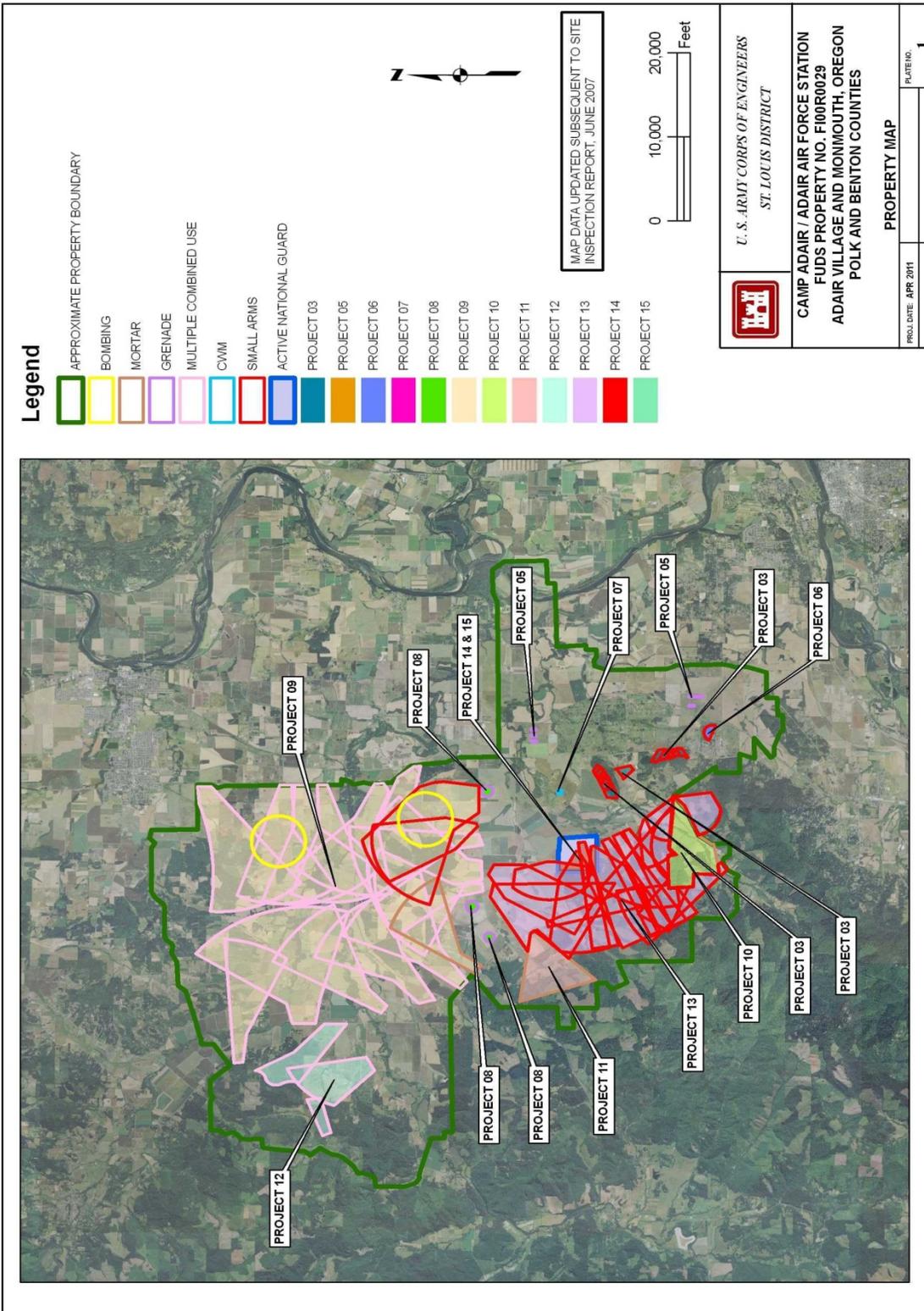
Reports and studies are available on the Project Information Retrieval System (PIRS) at <https://fuds-pirs.usace.army.mil/app/index.cfm>; Engineering Knowledge Online (EKO) Virtual Teams at <https://eko.usace.army.mil/virtualteams/mmrp/>; and the FUDS Records Management Database (FRMD) at <https://frmd.usace.army.mil/fiip/app/index.cfm>.

#### **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

#### **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.



DEFENSE ENVIRONMENTAL RESTORATION ACCOUNT  
FORMERLY USED DEFENSE SITES PROGRAM  
FINDINGS AND DETERMINATION OF ELIGIBILITY

CAMP ADAIR/ADAIR AIR FORCE STATION, OREGON

SITE NUMBER F10OR002900

FINDINGS OF FACT

1. Real Estate Directives Nos. 1385, 1042, 1042A, 612, 612A, 612C, and 612D requested the acquisition of the lands needed for Camp Adair. Former Camp Adair consisted of 56,815.17 acres of land north of Corvallis, Oregon. The Adair Air Force Station consisted of 587.51 acres of which 190.93 acres were formally used by Camp Adair. Camp Adair lands were acquired between 1942 and 1945 and were used to train and house four Army Infantry Divisions. Adair Air Force Station lands acquired during 1958 and 1959 were used as an Air Force radar information sorting facility, housing area, and a missile site. The majority of these lands were acquired in fee.

2. At Camp Adair, the Army constructed an artillery range, maneuver area, and a complete camp facility. Camp Adair remained active until 1946. The Air Force constructed a radar information sorting facility, housing facilities, and partially constructed a missile site at the Adair Air Force Station. The Air Force Station remained active until 1970. The facilities were not determined to be under other than DOD control during the period of DOD jurisdiction and use.

3.a In 1946, The Camp Adair lands and buildings were determined excess and reported to the War Assets Administration (WAA) for disposal. The WAA assumed accountability for all of the lands at the Camp Adair site. Records are not available regarding the sale and transfer of these lands by the WAA. Most of these lands are now privately owned agricultural and forest lands or were transferred to the State of Oregon for State Forestry and for fish and wildlife purposes. General Services Administration (GSA) later assumed accountability for 736 acres not disposed of by the WAA. GSA quitclaim deeded 124 acres to Plywood Products Corporation, 85 acres to the State of Oregon and transferred 527 acres to the National Guard Bureau.

3.b In 1970, the Adair Air Force Station lands were determined excess and reported to the GSA for disposal. GSA transferred 140 acres to the Department of Agriculture. They also transferred 326 acres to the Secretary of Health, Education and Welfare which quitclaim deeded 214 acres to the United States International University and 112 acres to the City of Albany, Oregon. GSA also quitclaim deeded 62 acres to A. G. Proctor Co. and 60 acres to Wells Property, Inc.

Encl 2

Enclosure 3

DETERMINATION

Based on the foregoing Findings of Fact, the site has been determined to be formerly used by DOD. It is therefore eligible for the Defense Environmental Restoration Program for Formerly-Used Defense Sites, established under 10 USC 2701 et seq.

8 Mar 91  
DATE

  
ERNEST J. HARRELL  
Major General, USA  
Commanding

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002903**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Small Arms Complex No. 1**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 03 will address the Small Arms Range Complex No. 1.

The Small Arms Range Complex No. 1 Munitions Response Site (MRS) consists of three non-contiguous parcels of land that were previously identified as Infiltration Range No. 143, Range Complex No. 5 and Range Complex No. 6. The overall acreage for the MRS is 175 acres. Making up the MRS is ten (10) former small arms ranges that were used for familiarization, qualifications, and field exercises at Camp Adair between 1942 and 1945. Nine of the ranges were typical small arms ranges with established firing lines and target areas. These included a 1,000-inch machinegun range, two 1,000-inch anti-tank ranges, two 1,000-inch pistol ranges, two 1,000-inch landscape ranges, and two unspecified 1,000-inch ranges. The tenth range is a former Infiltration Range (Infiltration Range No. 143), which differs from a typical small arms range as the weapons (typically .30 caliber machine guns) were statically mounted with fixed lines of fire to provide live overhead fire (simulating battlefield conditions) while soldiers tactically maneuvered over and through established obstacles. Explosive (trinitrotoluene [TNT] and/or dynamite) charges, simulators, and smoke producing materials were typical training aids used during an exercise. These items would have been used under a controlled environment and assumed to have been consumed during training.

Nine former ranges are currently located on land used for farming and residential development, while the tenth, the former Infiltration Range No. 143, has been incorporated into the Coffin Butte Landfill. During expansion of the landfill (1994), a small amount of soil containing white phosphorus was discovered near the infiltration range. Approximately 50 to 70 cubic yards of soil was treated by allowing the white phosphorus soil to auto-ignite and burn.

During the SI, the Infiltration Range No.143 was not investigated due it being heavily excavated, reworked, and covered with 200 feet of municipal waste. SI field activities for the remaining portion of the MRS included a site reconnaissance and the analysis of surface soil, sediment, and groundwater. No munitions and explosives of concern (MEC) other than an expended bullet

were encountered or have been reported. Analytical results showed no exceedances of background concentrations, and human health or ecological screening values.

### **PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Small Arms Range Complex No. 1 at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

### **POLICY CONSIDERATIONS**

This project is being revised to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

### **PROPOSED ACTIVITIES**

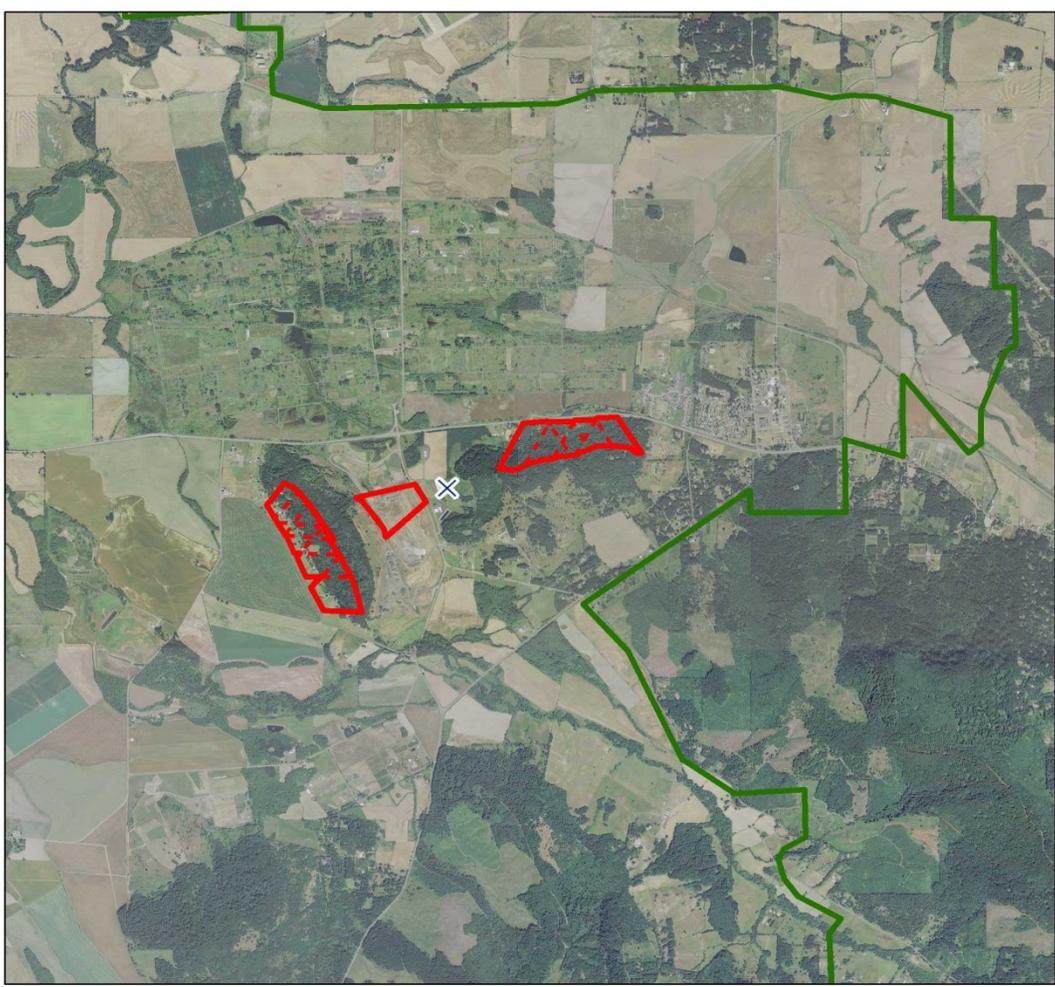
Based on historical evidence and results from the SI field activities, there is no evidence of MEC or munitions constituents (MC) at the Small Arms Complex No. 1 MRS. Therefore, no further investigation is warranted for MEC or MC.

### **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

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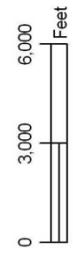


**Legend**

- X CENTROID  
UTM ZONE 10 (NAD 83)  
482000.0 m E  
4949162.8 m N  
44° 41' 46" N  
123° 13' 38" W
- [Red Outline] APPROXIMATE MRS BOUNDARY  
ACREAGE = 175 AC
- [Green Outline] APPROXIMATE PROPERTY BOUNDARY
- [Red Dashed Outline] SMALL ARMS



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
	CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F100R002903 MUNITIONS RESPONSE MAP	
SMALL ARMS COMPLEX NO. 1	PROD. DATE: APR 2011	PLATE NO. <b>R05</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>No Known or Suspected Hazard</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002905**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Practice Grenade Courts**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 05 addresses the Practice Grenade Courts.

The Practice Grenade Courts Munitions Response Site (MRS) is made up of the following six practice grenade courts: Practice Grenade Court Nos. 120, 121, 122, 125, 126 and 127 which total 12.6 acres of land. Three of the courts were north and three were south of the cantonment area. These courts were used by the Army between 1942 and 1945. Practice grenade courts were designed to provide soldiers familiarization and confidence in handling grenades prior to advancing to a live grenade range. Training aids included M21 Practice Hand Grenades and Mk 1A1 Training Hand Grenades.

Currently the MRS is located in tilled farm land used for growing grass seed and other agricultural crops. There are no noticeable remnants of the grenade courts. Access to the land is unrestricted and open to the public.

No SI field activities were conducted at the MRS in accordance with the Technical Project Planning (TPP) memorandum. It was agreed at the TPP meeting that munitions constituents (MC) from the training grenades would be minimal and that the substances found in black powder are not considered hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

However, during sampling activities for a nearby background soil sample, the landowner, whose property is located south of the northern set of practice grenade courts, showed the SI field team seven inert training grenades that were recovered many years ago by the landowner's father.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Practice Grenade Courts at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

## **POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

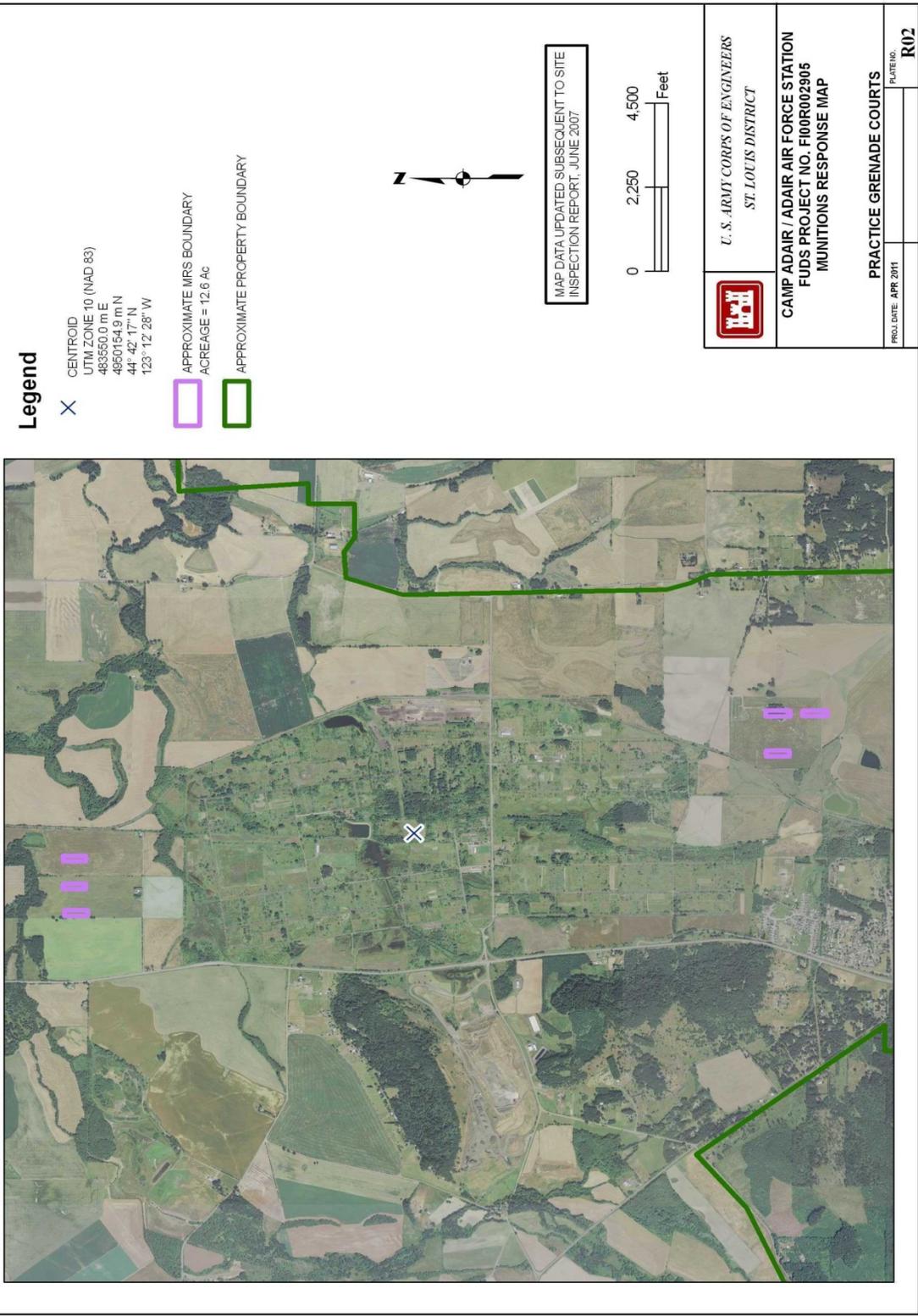
Based on the physical evidence presented during the SI, further investigation of the Practice Grenade Court MRS is warranted for munitions and explosives of concern (MEC). No further investigation is warranted for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.



**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>7</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002906**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Skeet Range No 580**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 06 addresses Skeet Range No. 580.

The Skeet Range No. 580 Munitions Response Site (MRS) consists of approximately 29 acres and was used by the Air Force between 1955 and 1964 as a skeet range. Small arms (shotgun shells) were the only munitions used at the MRS. Skeet Range No. 580 is currently a county park with baseball fields, tennis courts, and playgrounds. No evidence of munitions and explosives of concern (MEC) or other explosive hazards were observed at Skeet Range No. 580 during the SI field work, but a small fragment of a clay target was observed. Polycyclic aromatic hydrocarbons (PAH) were detected in one soil sample from the MRS, but its concentration level was below human health and ecological screening levels. Lead concentrations in soil samples exceeded the background soil concentration and ecological screening level.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Skeet Range No. 580 at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

**POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

**PROPOSED ACTIVITIES**

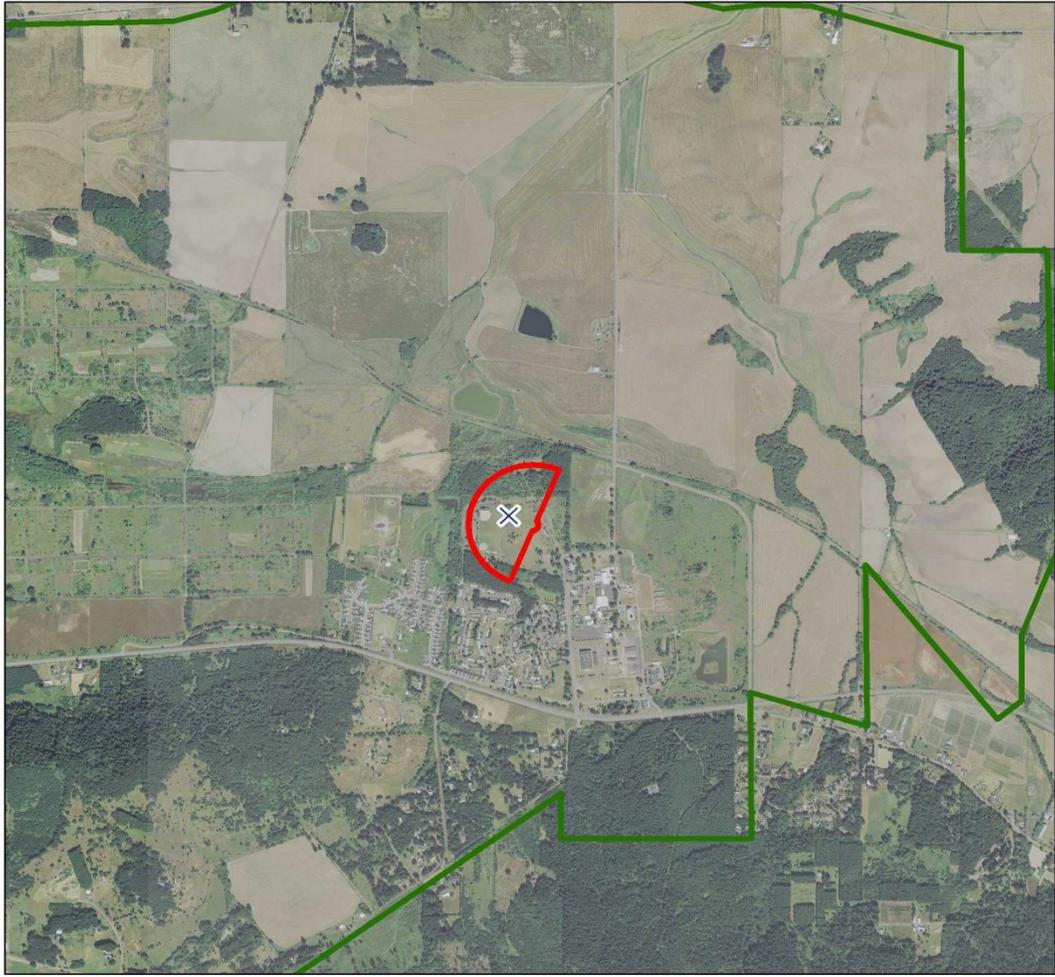
Only small arms was used on the MRS, and no MEC or munitions debris, other than a fragment of a clay target, was found, so no further investigation for MEC is warranted. Following discussions with the Oregon Department of Environmental Quality (ODEQ), it was agreed that because of the MRS's current land use as a park and the lead levels detected in the SI soil samples, further investigation for munitions constituents (MC) is warranted.

**POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

**LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

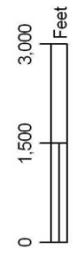


**Legend**

- X CENTROID  
UTM ZONE 10 (NAD 83)  
483258.8 m E  
4946819.4 m N  
44° 40' 28" N  
123° 12' 40" W
- [Red Outline] APPROXIMATE MRS BOUNDARY  
ACREAGE = 29 Ac
- [Green Outline] APPROXIMATE PROPERTY BOUNDARY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
	CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F100R002906 MUNITIONS RESPONSE MAP	
PROD. DATE: APR 2010	SKEET RANGE NO. 580	PLATE NO. <b>R01</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>6</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002907**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Chemical Identification Area No. 182**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 07 addresses the Chemical Identification Area No. 182.

Chemical Identification Area No. 182 Munitions Response Site (MRS) consists of about 6 acres and was used by the Army at Camp Adair between 1942 to 1945. The MRS was used for gas chamber training, gas identification, decontamination exercises, and instruction in handling incendiaries. Munitions used were M1 tear gas pots, riot control capsule (CS), Chemical Agent Identification Set (CAIS), toxic Gas Chemical Identification set. No munitions and explosive of concern (MEC) have been reported in the past, but the possibility exists that these munitions were buried in the area. The area is currently used to grow agricultural crops. No field activities were conducted within Chemical Identification Area No. 182 in accordance with the Technical Project Planning (TPP) memo and Site Specific Work Plan (SSWP). It was agreed at the TPP meeting that there was no significant risk from MEC at this range. In addition, it was agreed that only a small quantity of explosive material may have been used in the MRS and does not pose a significant risk of environmental contamination.

Any chemical warfare material (CWM) agents that may have been released in this MRS would not be expected to have persisted and/or have been released in quantities that would pose a significant risk of environmental contamination. To date, there is no documented, or physical evidence to indicate CWM remains on the property. Current Army guidance dictates that unless there is verifiable or physical evidence to indicate CAISs were subsequently buried at the FUDS, all CAISs are considered to have been expended during training.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Chemical Identification Area No. 182 at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

## **POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

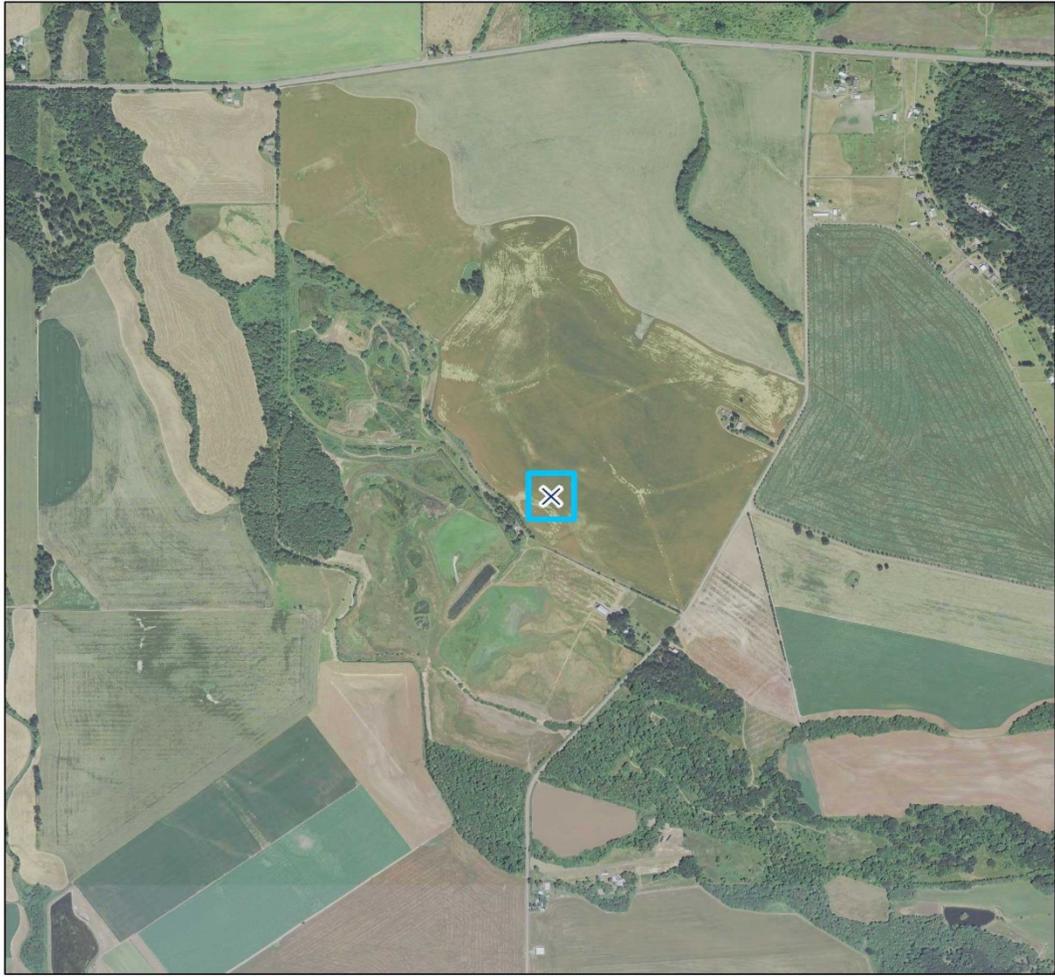
Based on the conclusions and recommendations presented in the Final SI Report, the possibility of buried MEC (M1 tear gas pots and riot control capsules) is suspected. The Chemical Identification Area No. 182 warrants further investigation with respect to both MEC and MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

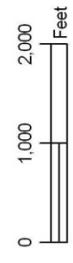


**Legend**

- X CENTROID  
UTM ZONE 10 (NAD 83)  
481073.5 m E  
4851635.2 m N  
44° 43' 11" N  
123° 14' 20" W
- [Blue square] APPROXIMATE MRS BOUNDARY  
ACREAGE = 6 AC
- [Green square] APPROXIMATE PROPERTY BOUNDARY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
	CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F100R002907 MUNITIONS RESPONSE MAP	
PROD. DATE: APR 2011	CHEMICAL ID AREA NO. 182	PLATE NO. <b>R06</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>7</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002908**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Live Grenade Courts**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 08 addresses the Live Grenade Courts.

The Live Grenade Courts Munitions Response Site (MRS) is comprised of 75 acres and includes three noncontiguous former hand grenade courts known as the East Live Hand Grenade Court, Live Hand Grenade Court No. 129, and the West Live Hand Grenade Court. These training ranges were used to provide realism, familiarity, and confidence to soldiers in the use of live explosive fragmentation grenades. Munitions associated with this MRS include both high explosive filled grenades and practice grenades, i.e. the MkII fragmentation hand grenade and the M21 practice hand grenade. Based on historical evidence, as documented in the Archive Search Report (ASR), munitions and explosives of concern (MEC) have been reported at the Live Hand Grenade Court No. 129 and the West Live Hand Grenade Court. No MEC has been reported at the East Live Hand Grenade Court. However, based on similar historical uses there is a similar risk for MEC. Potential contaminants include cast iron, trinitrotoluene (TNT), and smokeless powder. Land associated with East and West Court is farmed (agricultural), while the Court No. 129 is within the boundaries of an active Christmas tree farm.

During the SI field work, two sediment and three soil samples were collected. Analytical results were compared to site background values. No groundwater or surface water samples were collected. SI sampling results for munitions constituents (MC) show that concentrations of metals in sediment and soil are low and below both human health and ecological screening values. There were no detections of explosives in sediment or soil samples.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Live Grenade Courts at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

## **POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

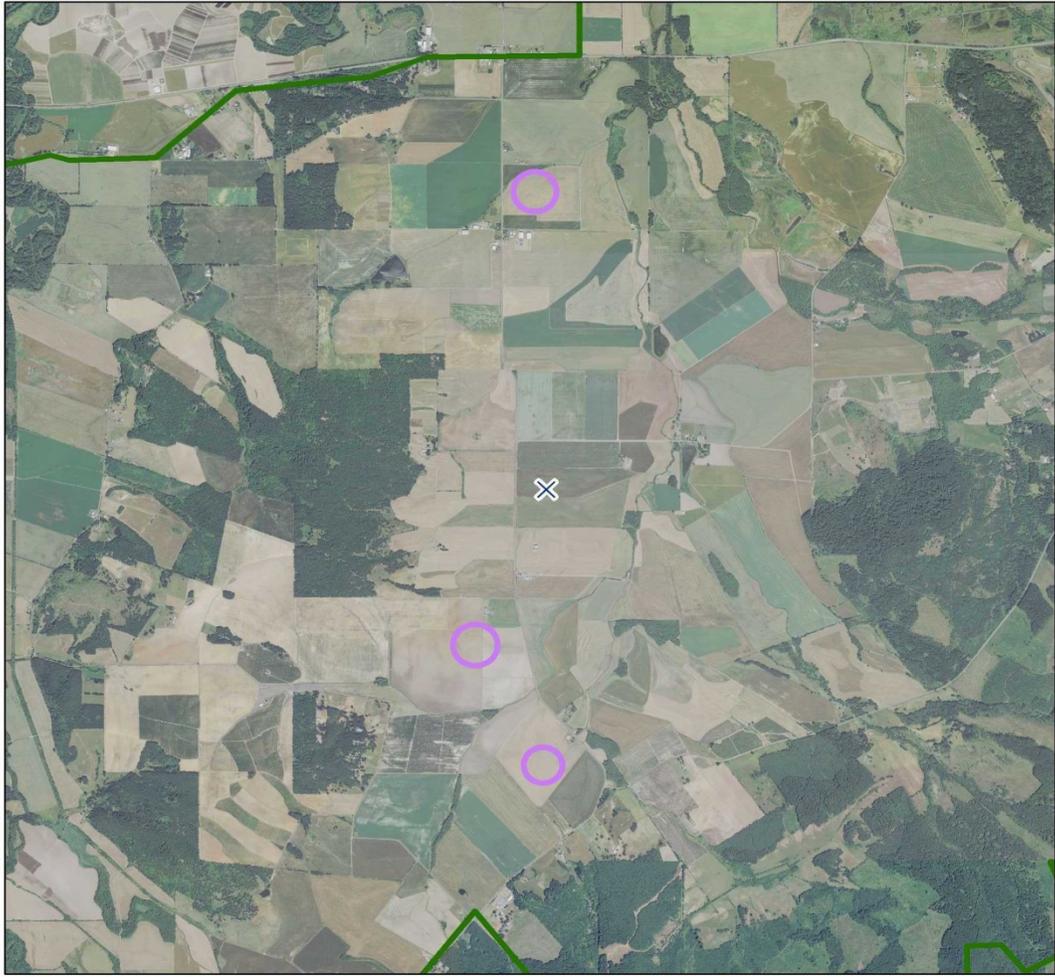
Based on historical evidence and the SI field activities conducted, further investigation of the Live Grenade Courts MRS is warranted for MEC. No further investigation is warranted for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

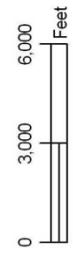


**Legend**

- X CENTROID  
UTM ZONE 10 (NAD 83)  
478348.3 m E  
4864173.9 m N  
44° 44' 26" N  
123° 16' 25" W
- APPROXIMATE MRS BOUNDARY  
ACREAGE = 75 Ac
- APPROXIMATE PROPERTY BOUNDARY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
	CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F100R002908 MUNITION RESPONSE MAP	
LIVE GRENADE COURTS	PROD. DATE: APR 2011	PLATE NO. <b>R10</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>4</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002909**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Explosive Munitions Ranges**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 09 addresses the Explosive Munitions Ranges.

The Explosive Munitions Ranges Munitions Response Site (MRS) consists of 15,455 acres of land in an irregularly shaped parcel. It is a combination of three formerly-identified munitions response areas (MRA)/MRS's: Bombing Target No. 1, Range Complex No. 1, and Range Complex No. 2. Collectively, the MRS consists of 19 individual ranges including a string of artillery, field combat ranges, and two bombing targets which ringed and overlapped the major impact area in the northern sector of Camp Adair. The MRS was actively utilized for live fire combat maneuvers, and support coordination exercises between 1942 and 1945.

Weapons and munitions used on the MRS included .30-caliber rifles, automatic rifles, .30 and .50-caliber machine guns, anti-tank guns, 105-mm and 155-mm howitzers, 60 and 81-mm mortars, 2.36-inch anti-tank and practice rockets, bombs, simulators, smoke generating devices, incendiary and illumination devices, and demolition materials.

During the SI field work, no visual reconnaissance surveys were conducted in the MRS for the sole purpose of identifying munitions and explosives of concern (MEC). During sampling of the MRS, anomaly avoidance procedures were performed to avoid potential encounter with MEC or munitions debris (MD). No MEC or MD were observed. Much of the land within the MRS is currently being used for agriculture purposes and thus has been disturbed or reworked by tilling or grazing. Presence of MEC and MD was previously documented in the Archive Search Report (ASR) during which an unexploded 60mm mortar round was found and ultimately destroyed by local law enforcement. In addition, MD (60mm and 81mm mortars, and 105mm projectile) has been found.

Results of munitions constituents (MC) from groundwater, sediment, and surface soil samples collected during the SI show that concentrations of metals and explosives are below human health and ecological screening values.

## **PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Explosive Munitions Ranges at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

## **POLICY CONSIDERATIONS**

This project is created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

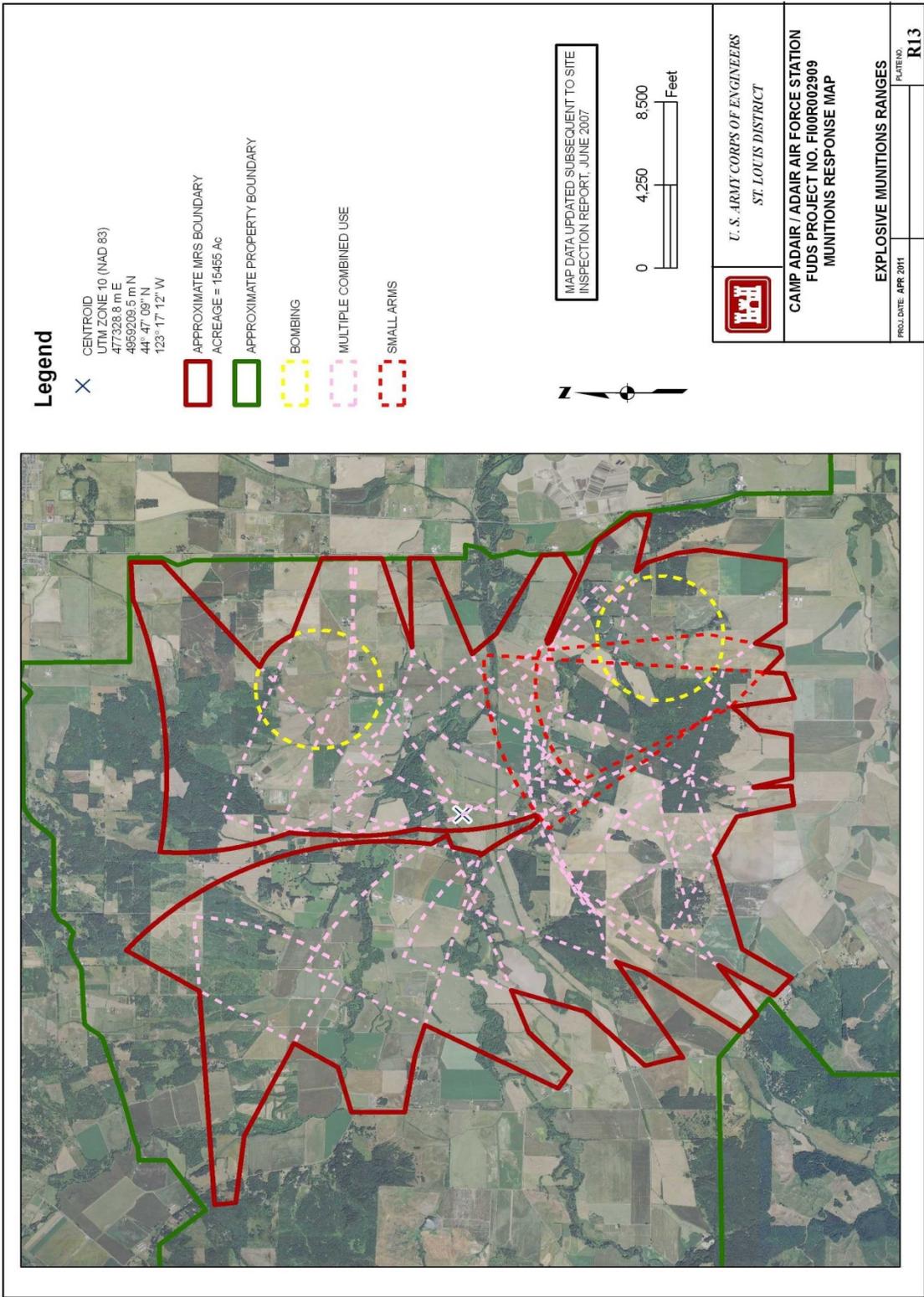
Based on the conclusions and recommendations presented in the Final SI Report, further investigation with regards to MEC is warranted. No further investigation is warranted for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.



**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>4</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002910**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Mortar Range**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 10 addresses the Mortar Range.

The Mortar Range Munitions Response Site (MRS) consists of approximately 793 acres, and was used to train the infantry soldiers at Camp Adair from 1942 to 1945. The Archive Search Report (ASR) indicates that 60mm mortars were used on the MRS. Potential types of munitions include high explosive, smoke (white phosphorus), and practice. The range overlaps several small arms ranges associated with Small Arms Complex No 2 (Project 13). The overlapping acreage is included in this MRS. The specific firing points and target area are not known. Portions of the MRS are currently used for agriculture and other areas are forested.

During the ASR property visit, munitions debris (60mm mortars) was observed on the Mortar Range. No munitions and explosives of concern (MEC) or munitions debris was observed during the SI field activities, however field activities only included MEC avoidance in support of sampling. Based on the current use of the range and the historical occurrence of MEC and munitions debris, the overall MEC risk is considered to be moderate. Three surface soil samples plus one field duplicate were collected from the Mortar Range for munitions constituents (MC). Sample locations were selected within the suspected impact area. No MC concentrations exceeded human health or ecological screening values.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Mortar Range at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

**POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

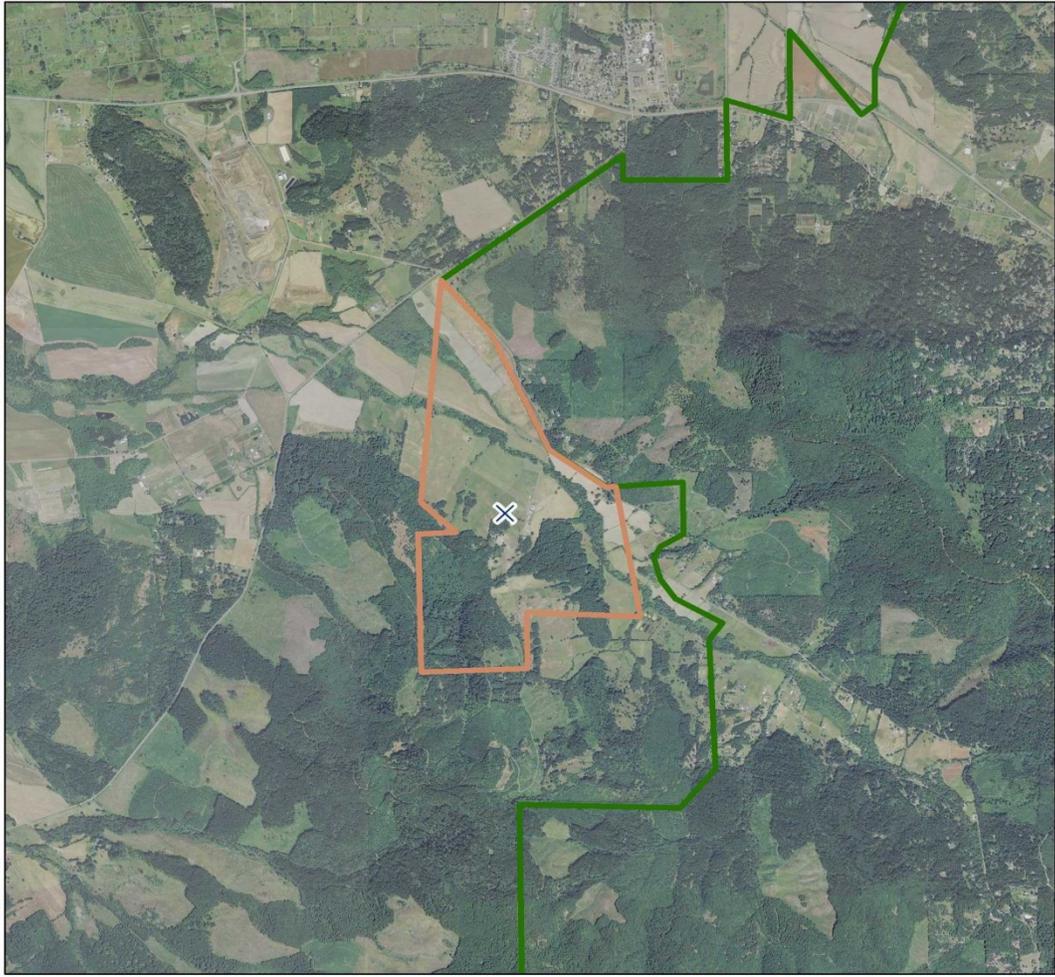
Based on the conclusions and recommendations presented in the Final SI Report, further investigation with regards to MEC is warranted. No further investigation is warranted for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.



**Legend**

- X CENTROID  
UTM ZONE 10 (NAD 83)  
478967.1 m E  
4947523.4 m N  
44° 40' 51" N  
123° 15' 56" W
- APPROXIMATE MRS BOUNDARY
- ACREAGE = 793 Ac
- APPROXIMATE PROPERTY BOUNDARY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
	CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F100R002910 MUNITIONS RESPONSE MAP	
PROD. DATE: APR 2011	MORTAR RANGE	PLATE NO. <b>R14</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>5</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002911**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Moving Target Range No. 75**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 11 addresses the Moving Target Range No. 75.

The Moving Target Range No. 75 Munitions Response Site (MRS) includes an area of approximately 802 acres, which was used at Camp Adair from 1942 to 1945. It is thought that this range was used as a moving target for anti-tank training. Authorized munitions would have included small arms, 37mm armor piercing capped (APC), and 75 mm armor piercing (AP). The range area is currently used for agricultural use, Christmas tree farms, and managed forests.

Historically, non-specified munitions and explosives of concern (MEC) and munitions debris have been reported at the MRS. No MEC or munitions debris was identified during the SI field activities; however, field activities only included MEC avoidance in support of sampling. Based on the current use of the explosive munitions ranges and the historical occurrence of MEC and munitions debris, the overall MEC risk is considered to be moderate.

Groundwater, surface soil, and sediment samples were collected from Moving Target Range No. 75 for munitions constituents (MC). The surface soil sample locations were selected from where the suspected roads (trails) for the moving targets were indicated on aerial photos. No MC concentrations exceeded human health or ecological screening values.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Moving Target Range No. 75 at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

**POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

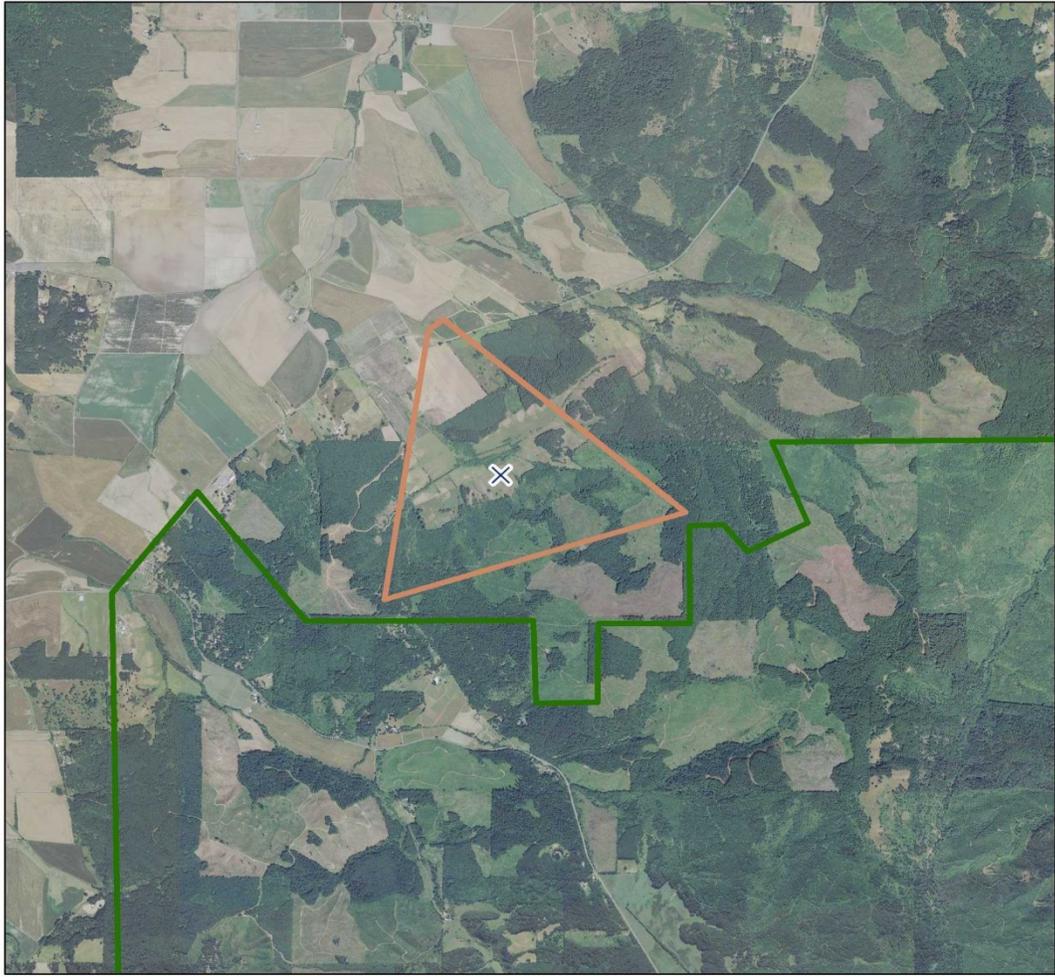
Based on the conclusions and recommendations presented in the Final SI Report, further investigation with regards to MEC is warranted. No further investigation is warranted for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

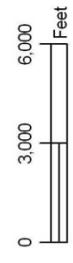


**Legend**

- X CENTROID  
UTM ZONE 10 (NAD 83)  
474608.7 m E  
4862192.8 m N  
44° 43' 22" N  
123° 19' 14" W
- APPROXIMATE MRS BOUNDARY  
ACREAGE = 802 AC
- APPROXIMATE PROPERTY BOUNDARY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



 U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F100R002911 MUNITIONS RESPONSE MAP	
MOVING TARGET RANGE NO. 75 <small>PROJ. DATE: APR 2011</small>	<small>PLATE NO.</small> <b>R15</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>5</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002912**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Field Combat Ranges**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 12 addresses the Field Combat Ranges.

The Field Combat Ranges Munitions Response Site (MRS) consists of three field combat ranges (No. 89, 89A, and 89C) and measures 1,324 acres. Live fire combat maneuver exercises were conducted by the infantry units receiving training at Camp Adair. All individual and crew-served conventional weapons were authorized for the MRS including .22-caliber rifles, .30-caliber rifles, .30-caliber and .50-caliber machine guns, anti-tank guns, 105mm and 155mm howitzers. The project area is currently used for agricultural crop growing operations, Christmas tree growing, and residences.

No munitions and explosives of concern (MEC) or munitions debris (MD) has been reported at the Field Combat Ranges MRS. No MEC or MD was identified during the SI field work; however, field activities only included MEC avoidance in support of sampling.

Four surface soil samples, groundwater, surface soil, and sediment samples were collected from the MRS. No munitions constituents (MC) concentrations exceeded human health screening values. The ecological screening value for molybdenum was exceeded in the surface soil sample. Molybdenum, however, is not a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substance.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Field Combat Ranges at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

**POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

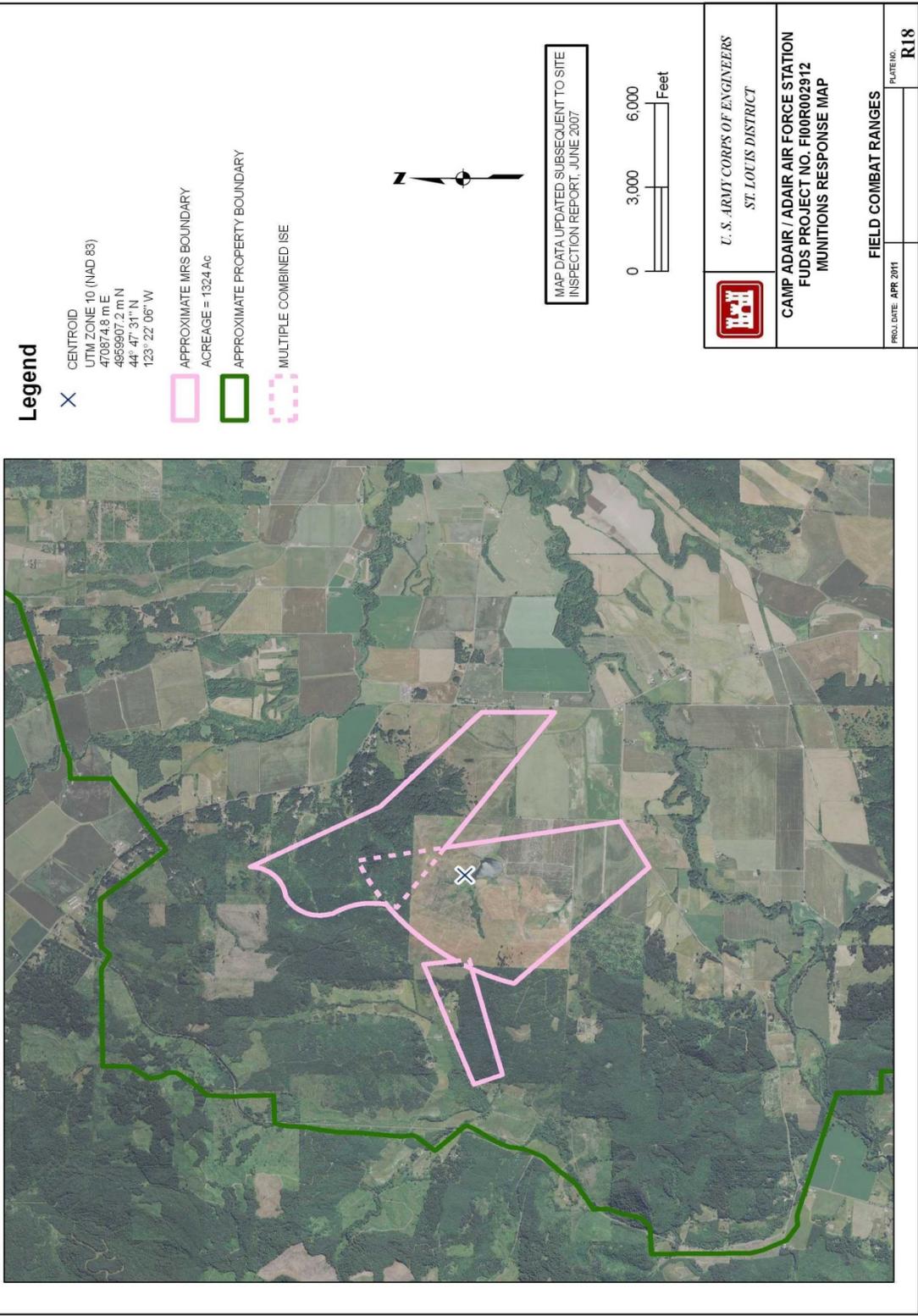
Based on the conclusions and recommendations presented in the Final Site Inspection Report, further investigation with regards to MEC is warranted. No further investigation is warranted for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.



**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>5</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002913**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**Small Arms Complex No. 2**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 13 addresses the Small Arms Complex No. 2.

The Small Arms Complex No. 2 Munitions Response Site (MRS) consists of the area formerly known as Range Complex No. 4 and includes the following types of ranges: Known Distance Ranges, Thompson Sub Machinegun Ranges, Mini Antiaircraft Ranges, Antiaircraft Range, Field Combat Ranges, an Infiltration Range, a Transition Course, and a Close Combat Course. Originally the MRS consisted of 5,391 acres, but a portion of the original MRS is currently owned by the Oregon National Guard. The portion of the MRS owned by the National Guard will now be addressed in Projects 14 and 15, and the Project 13 acreage has been reduced to 5,067 acres.

The MRS was used by the Army between 1942 and 1945. Munitions used were limited to small arms (.22-caliber to .50-caliber and shotgun shells). Berms are still evident at the Known Distance Rifle Ranges Nos. 1 through 4. A portion of the MRS is currently used as managed timberland by the Oregon State Department of Forestry, and other portions of the MRS are used for agriculture including row crops, grass seed, Christmas tree farms, and scattered residences.

This extent of the identified range fans of the MRS overlaps the Moving Target Range No.75 MRS (Project 11) and the Mortar Range MRS (Project 10). Overlapping acreage is excluded from the Small Arms Complex No. 2 MRS.

The SI field activities conducted at the small arms ranges included a visual reconnaissance to confirm the presence or absence of munitions and explosives of concern (MEC) and collection of surface soil, sediment, and groundwater samples for munitions constituents (MC). Munitions debris consisting of a single lead bullet was observed on the MRS during SI field activities. No SI samples contained MC concentrations above human health screening values. SI soil samples had lead concentrations above background and the ecological screening level. The lead concentrations in these samples are considered significant as Camp Adair meets some of the criteria for designation as an Important Ecological Place (IEP).

## **PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the Small Arms Complex No. 2 at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

## **POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation for FUDS MMRP Project Realignment, dated 13 August 2007.

## **PROPOSED ACTIVITIES**

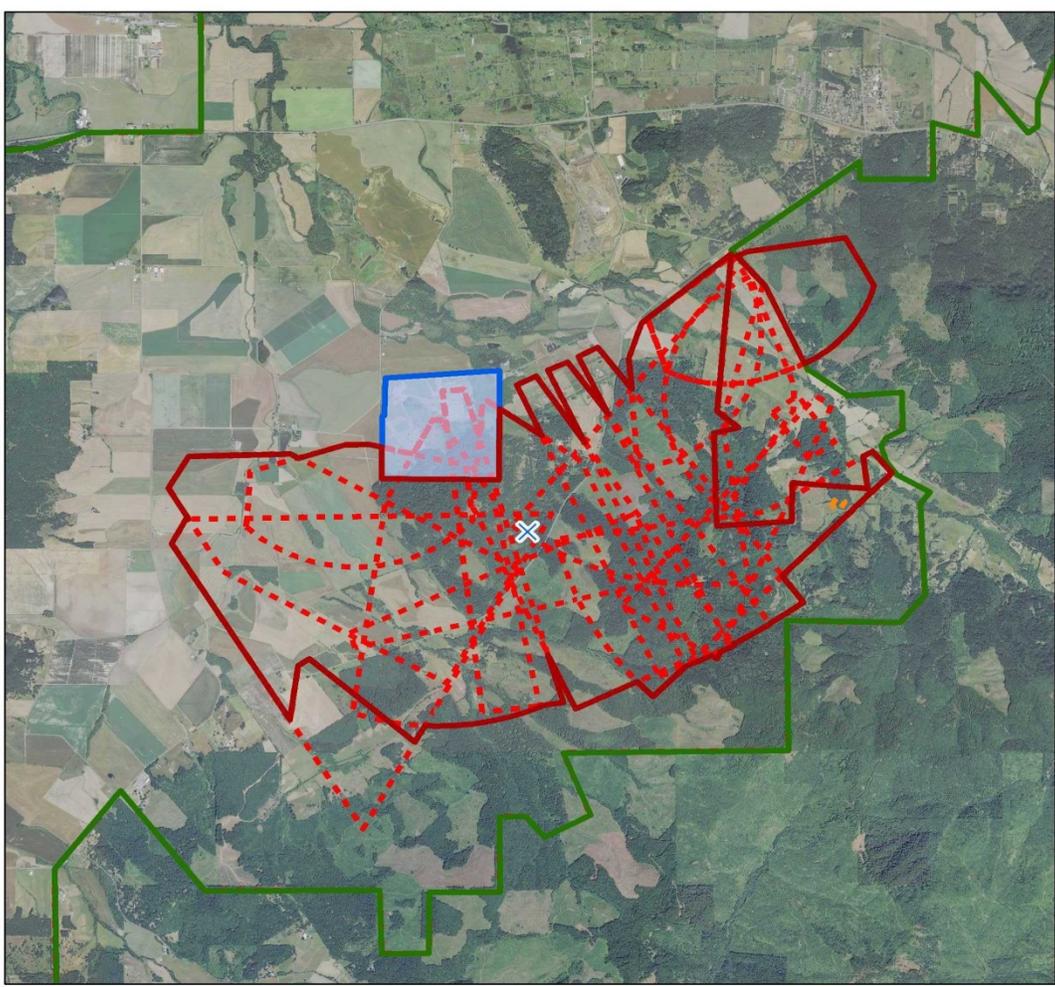
Based on historical evidence and results from the SI field activities, there is no evidence of MEC at the MRS. Therefore, no further action is warranted for MEC. Lead concentrations in the soil samples taken from the MRS exceeded the background soil concentration and the ecological screening level. Further investigation of the MRS is recommended for MC.

## **POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

## **LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

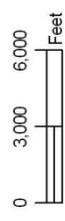


**Legend**

- ✕ CENTROID  
UTM ZONE 10 (NAD 83)  
477565.4m E  
4960275.4m N  
44° 42' 19" N  
123° 17' 00" W
- ▭ APPROXIMATE MRS BOUNDARY  
ACREAGE = 5067 Ac
- ▭ APPROXIMATE PROPERTY BOUNDARY
- ▭ TRAINING AREA
- ▭ SMALL ARMS
- ▭ NATIONAL GUARD PROPERTY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



	U. S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT	
	CAMP ADAIR / ADAIR AIR FORCE STATION FUDS PROJECT NO. F10OR002913 MUNITIONS RESPONSE MAP	
SMALL ARMS RANGE COMPLEX NO.2 <small>PROJ. DATE: APR. 2011</small>	<small>PLATE NO.</small>	<b>R19</b>

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>6</b>	

**REVISED PROJECT SUMMARY SHEET**  
**for**  
**DERP-FUDS MMRP PROJECT NO. F10OR002914**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**National Guard Ranges - MMRP**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 14 will address the National Guard Ranges--MMRP.

The National Guard Ranges -MMRP Munitions Response Site (MRS) includes the portion of the Small Arms Complex No. 2 which is currently within the boundary of the Oregon National Guard complex. Specifically this MRS comprises 324 acres consisting of the firing lines and target areas of the following three former small arms ranges: Known Distance Range No. 4, Close Combat Course No. 170, and Infiltration Range No. 141. In addition, the associated safety/danger areas are included in the MRS to the extent of the identified Guard property. After acquisition, the Guard maintained the Known Distance range as an active firing range. Improvements and modernization has continued over the years, and remains an operational Oregon National Guard training facility with active firing ranges.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the National Guard Ranges - MMRP at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

**POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation Guidance for FUDS MMRP Realignment, dated 13 August 2007.

**PROPOSED ACTIVITIES**

As this project is identified to have PRP implications, a No DoD Action Indicated (NDAI) decision is ascertained for this MMRP project, and the MRS will be addressed under PRP/MMRP Project 15.

**POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

**LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

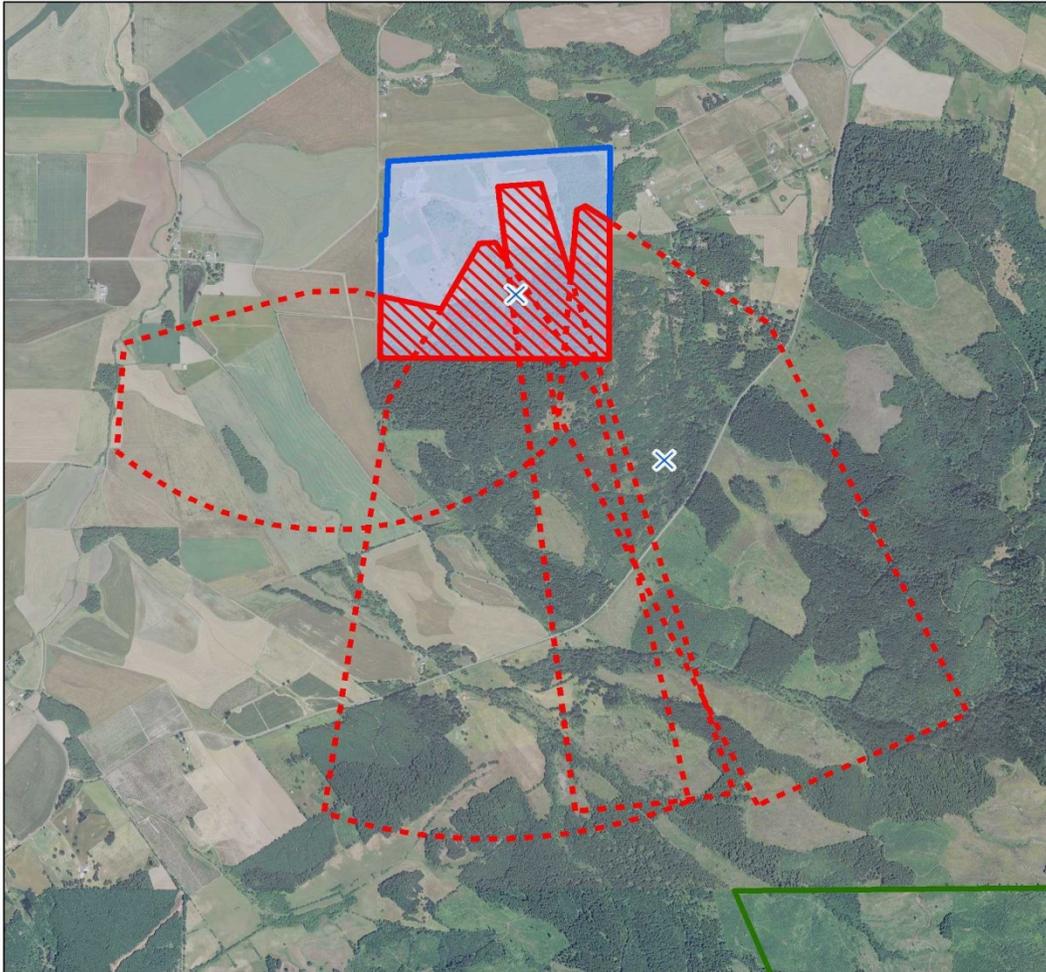
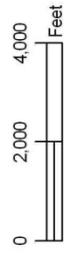
**Legend**

X CENTROID  
 UTM ZONE 10 (NAD 83)  
 478573.4m E  
 4951118.8m N  
 44° 42' 47" N  
 123° 16' 14" W

-  APPROXIMATE MRS BOUNDARY  
ACREAGE = 324 Ac
-  APPROXIMATE PROPERTY BOUNDARY
-  SMALL ARMS
-  NATIONAL GUARD PROPERTY



MAP DATA UPDATED SUBSEQUENT TO SITE INSPECTION REPORT, JUNE 2007



U. S. ARMY CORPS OF ENGINEERS  
ST. LOUIS DISTRICT

CAMP ADAIR / ADAIR AIR FORCE STATION  
FUDS PROJECT NO. F10OR002914  
MUNITIONS RESPONSE MAP

NATIONAL GUARD RANGES--MMRP

PROJ. DATE: APR. 2011  
 PLATE NO. **R19**

**Table 29  
MRS Priority**

**DIRECTIONS:** In the chart below, circle the letter **rating** for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical **priority** for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS priority is the single highest priority; record this number in the **MRS or Alternative Priority** box at the bottom of the table.

**Note:** An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

<b>EHE Rating</b>	<b>Priority</b>	<b>CHE Rating</b>	<b>Priority</b>	<b>HHE Rating</b>	<b>Priority</b>
		<b>A</b>	<b>1</b>		
<b>A</b>	<b>2</b>	<b>B</b>	<b>2</b>	<b>A</b>	<b>2</b>
<b>B</b>	<b>3</b>	<b>C</b>	<b>3</b>	<b>B</b>	<b>3</b>
<b>C</b>	<b>4</b>	<b>D</b>	<b>4</b>	<b>C</b>	<b>4</b>
<b>D</b>	<b>5</b>	<b>E</b>	<b>5</b>	<b>D</b>	<b>5</b>
<b>E</b>	<b>6</b>	<b>F</b>	<b>6</b>	<b>E</b>	<b>6</b>
<b>F</b>	<b>7</b>	<b>G</b>	<b>7</b>	<b>F</b>	<b>7</b>
<b>G</b>	<b>8</b>			<b>G</b>	<b>8</b>
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive		No Known or Suspected CWM Hazard		No Known or Suspected MC Hazard	
<b>MRS or ALTERNATIVE PRIORITY</b>				<b>No Longer Required</b>	

**REVISED PROJECT SUMMARY SHEET**  
for  
**DERP-FUDS MMRP PROJECT NO. F10OR002915**  
**Property No. F10OR0029**  
**Federal Facility Identification No. OR9799F3067**  
**National Guard Ranges - PRP**  
**CAMP ADAIR-ADAIR AFS**  
**CORVALLIS, BENTON County, OREGON**  
**September 2011 (Revision Date)**

**PROJECT DESCRIPTION**

This project is being revised to be consistent with current Headquarters U.S. Army Corps of Engineers (HQUSACE) guidance, Implementation Guidance for Formerly Used Defense Sites (FUDS) Military Munitions Response Program (MMRP) Project Realignment, dated 13 August 2007 and in accordance with the recommendations contained in the June 2007 Site Inspection (SI) Report and the MMRP Project Realignment and Delineation Form. Although the description of this project is now being limited to a specific geographic area, the integrity of the original scope will be maintained by the combination of all MMRP project scopes included in this revised Inventory Project Report (INPR). Project 15 will address the National Guard Ranges--PRP.

The National Guard Ranges - PRP Munitions Response Site (MRS) includes the portion of the Small Arms Complex No. 2 (Project 13) which is currently within the boundary of the Oregon National Guard complex. Specifically this MRS consists of the firing lines and target areas of the following three former small arms ranges: Known Distance Range No. 4, Close Combat Course No. 170, and Infiltration Range No. 141. In addition, the associated safety/danger areas are included in the MRS to the extent of the identified Guard property. After acquisition, the Guard maintained the Known Distance range as an active firing range. Improvements and modernization has continued over the years, and remains an operational Oregon National Guard training facility with active firing ranges.

**PROJECT ELIGIBILITY**

Historical records and maps indicate that properties associated with the National Guard Ranges - PRP at Camp Adair/Adair AFS were under the jurisdiction of the Department of Defense (DoD) and owned by, leased to, or otherwise possessed by the United States. The property was transferred from DoD's control prior to 17 October 1986. The DoD is the only entity known to have conducted military activities on the MRS.

**POLICY CONSIDERATIONS**

This project is being created to be consistent with current HQUSACE guidance, Implementation Guidance for FUDS MMRP Realignment, dated 13 August 2007.

**PROPOSED ACTIVITIES**

As this project is identified to have PRP implications, a 0-acre MRS has been created in order to maintain an administrative record until such time as a final determination is reached concerning responsibility for the performance of required response actions.

**POINT OF CONTACT**

The Kansas City District's point of contact for this property is Mr. David Nelson, FUDS Program Manager. He may be reached at (816) 389-3572 or at the following email address: David.C.Nelson@usace.army.mil.

**LEAD REGULATOR**

The assigned Oregon Department of Environmental Quality Project Manager is Mr. David Anderson. He may be reached at (541) 388-6146 x258 or at the following email address: AndersonDavid@deq.state.or.us.

## MMRP PROJECT REALIGNMENT and DELINEATION FORM (PRDF)

FUDS Property Number: [F10OR0029](#)

FUDS Property Name: [Camp Adair/Adair AFS](#)

MMRP Project Phase: [Site Inspection](#)

FUDS PM District: [CENWK](#)

MMDC: [CENWO](#)

### CURRENT FUDSMIS CONFIGURATION

#### PRE-REALIGNMENT

(Use this table for properties that have not been realigned and are in the Property→Project→MMR Area configuration)

Number of MMRP Projects: [1](#)

Number of MMR Areas: [21](#)

	Proj. No.	Project Category	Project Name	MMR Area ID - MRS No.	MMR Area Name	MRS Score	Acres
1	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R01-1</a>	<a href="#">Skeet Range No. 580</a>	<a href="#">n/a</a>	<a href="#">29</a>
2	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R02-2</a>	<a href="#">Practice Grenade Court No. 122</a>	<a href="#">n/a</a>	<a href="#">2.1</a>
3	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R03-3</a>	<a href="#">Practice Grenade Court No. 120</a>	<a href="#">n/a</a>	<a href="#">2.1</a>
4	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R04-4</a>	<a href="#">Practice Grenade Court No. 121</a>	<a href="#">n/a</a>	<a href="#">2.1</a>
5	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R05-5</a>	<a href="#">Infiltration Range No. 143</a>	<a href="#">n/a</a>	<a href="#">34</a>
6	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R06-6</a>	<a href="#">Chemical Ident Area No. 182</a>	<a href="#">n/a</a>	<a href="#">6</a>
7	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R07-7</a>	<a href="#">Practice Grenade Court No. 127</a>	<a href="#">n/a</a>	<a href="#">2.1</a>
8	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R08-8</a>	<a href="#">Practice Grenade Court No. 125</a>	<a href="#">n/a</a>	<a href="#">2.1</a>
9	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R09-9</a>	<a href="#">Practice Grenade Court No. 126</a>	<a href="#">n/a</a>	<a href="#">2.1</a>
10	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R10-10</a>	<a href="#">East Live Hand Grenade Court</a>	<a href="#">n/a</a>	<a href="#">25</a>
11	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R11-11</a>	<a href="#">Live hand Grenade Court No. 129</a>	<a href="#">n/a</a>	<a href="#">25</a>
12	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R12-12</a>	<a href="#">West Live Hand Grenade Court</a>	<a href="#">n/a</a>	<a href="#">25</a>
13	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R13-13</a>	<a href="#">Bombing Target No. 1</a>	<a href="#">n/a</a>	<a href="#">649</a>
14	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R14-14</a>	<a href="#">Mortar Range</a>	<a href="#">n/a</a>	<a href="#">793</a>
15	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R15-15</a>	<a href="#">Moving Target Range No. 75</a>	<a href="#">n/a</a>	<a href="#">802</a>
16	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R16-16</a>	<a href="#">Range Complex No. 1</a>	<a href="#">n/a</a>	<a href="#">3354</a>
17	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R17-17</a>	<a href="#">Range Complex No. 2</a>	<a href="#">n/a</a>	<a href="#">11452</a>
18	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R18-18</a>	<a href="#">Range Complex No. 3</a>	<a href="#">n/a</a>	<a href="#">1324</a>
19	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R19-19</a>	<a href="#">Range Complex No. 4</a>	<a href="#">n/a</a>	<a href="#">5391</a>
20	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R20-20</a>	<a href="#">Range Complex No. 5</a>	<a href="#">n/a</a>	<a href="#">64</a>
21	<a href="#">03</a>	<a href="#">MMRP</a>	<a href="#">OEW Project EE/CA</a>	<a href="#">F10OR002903R21-21</a>	<a href="#">Range Complex No. 6</a>	<a href="#">n/a</a>	<a href="#">77</a>
						<b>Total Acres</b>	<b><a href="#">24,062.6</a></b>

*(Add additional lines as needed)*

FUDS Property Number: [F10OR0029](#) | FUDS Property Name: [Camp Adair/Adair AFS](#)

**CURRENT FUDSMIS CONFIGURATION**

**POST REALIGNMENT**

(Use this table for properties that have been realigned and are in the Property→MRA→MRS configuration)

Number of MRAs: \_\_\_\_\_ | Number of Projects / MRS: \_\_\_\_\_

	MRA ID	MRA Name	Proj. / MRS Number	Project Category	Project / MRS Name	MRS Score	Acres
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
						Total Acres	

*(Add additional lines as needed - also explain all acreage changes on the last page)*

FUDS Property Number: **F10OR0029** FUDS Property Name: **Camp Adair/Adair AFS**

**NEW MMRP PROJECT DESIGNATION RECOMMENDATION**

Realignment or Delineation?  Realignment  Delineation

<b>Realignment</b>	<b>Delineation</b>
--------------------	--------------------

Number of MMR Areas (pre-realignment): <b>21</b>	Number of MRAs (pre-delineation):
--	-----------------------------------

Number of MRAs (post-realignment): <b>11</b>	Number of MRAs (post-delineation):
--	------------------------------------

Number of MMRP Projects (MRSs) (post-realignment): <b>12</b>	Number of MMRP Projects (MRSs) (post delineation):
--	--

<i>(Default is one MMRP Project per MRA, if No is selected, complete justification on last page. Also explain all acreage differences between pre and post realignment on the last page)</i>	<i>(Default is same number of MRAs pre and post delineation. If combining MRAs, concurrence from HQUSACE is required. Also explain any acreage differences between pre and post delineation on the last page.)</i>
--	--

Default Selected?:  YES  NO

Default Selected?:		Default Selected?:								
		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO								
	Proj. / MRS Number	Project Category	Project / MRS Name	MRA ID	MRA Name	Next Phase	MEC	MC	MRS Score	Acres
1	03	MMRP	Small Arms Complex 1	03R05 (R05+R20+R21)	Small Arms Complex No. 1	PCO	No	No	NKSH	175
2	05	MMRP	Practice Grenade Courts	03R02 (R02+R03+R04+R07+R08+R09)	Practice Grenade Courts	RI/FS	Yes	No	7	12.6
3	06	MMRP	Skeet Range No. 580	03R01	Skeet Range No. 580	RI/FS	No	Yes	6	29
4	07	MMRP	Chemical ID Area No. 182	03R06	Chemical ID Area No. 182	RI/FS	Yes	Unk	7	6
5	08	MMRP	Live Grenade Courts	03R10 (R10+R11+R12)	Live Grenade Courts	RI/FS	Yes	No	4	75
6	09	MMRP	Explosive Munitions Ranges	03R13 (R13+R16+R17)	Explosive Munitions Ranges	RI/FS	Yes	No	4	15,455
7	10	MMRP	Mortar Range	03R14	Mortar Range	RI/FS	Yes	No	5	793
8	11	MMRP	Moving Target Range No. 75	03R15	Moving Target Range No. 75	RI/FS	Yes	No	5	802

	Proj. / MRS Number	Project Category	Project / MRS Name	MRA ID	MRA Name	Next Phase	MEC	MC	MRS Score	Acres
9	12	MMRP	Field Combat Ranges	03R18	Field Combat Ranges	RI/FS	Yes	No	5	1324
10	13	MMRP	Small Arms Complex 2	03R19	Small Arms Complex No. 2	RI/FS	No	Yes	6	5067
11	14	MMRP	National Guard Ranges— MMRP	03R19	National Guard Ranges— MMRP	NDAI	No	No	NLR	324
12	15	PRP/ MMRP	National Guard Ranges— MMRP	15R19	National Guard Ranges— MMRP	PN	Unk	Unk	EP	0
									Total Acres:	24,062.6
<i>(Add additional lines as needed)</i>										

FUDS Property Number: <a href="#">F10OR0029</a>		FUDS Property Name: <a href="#">Camp Adair/Adair AFS</a>	
MMRP PROJECT DESIGNATION RECOMMENDATION AUTHORS			
FUDS District PM Name: <a href="#">Kurt Baer</a>		Org. Code: <a href="#">CENWK</a>	Date: <a href="#">21 January 2011</a>
<p><u>Justification for MMRP Project Designation Recommendation:</u></p> <p><i>(Clear and convincingly justification must be provided using the eight Modifying Criteria in the MMRP Project Splitting Policy - The eight modifying criteria are 1) Geographic Setting, 2) Anticipated Response, 3) Management Efficiency, 4) Land Use, 5) Stakeholder Input, 6) Risk Management, 7) Performance Goals, and 8) Project Complexity)</i></p> <p><b>1) Project 03, Small Arms Complex 1: MRA ID 03R05:</b> MRA IDs 03R05, 03R20, and 03R21 are combined for management efficiency, and anticipated response, and the fact that similar munitions (small arms) were utilized. Based on historical evidence and results from the SI field activities, there is no evidence of MEC. The land associated with "Infiltration Range No. 143" has been incorporated into the Coffin Butte Landfill operations. The area has been heavily excavated and the soil has been disturbed, reworked, or removed. In 1994, a small amount of soil containing white phosphorus was discovered and was subsequently allowed to burn and the risk has been eliminated, the area is now covered in waste. No soil sampling was conducted within IR No. 143 during the SI field activities. Sampling results at Range Complex Nos. 5 &amp; 6, show that concentrations of MC are below background concentrations and the ecological screening value.</p> <p>Based on historical evidence and results from the SI field activities, there is no evidence of MEC, and no identified hazards associated with MC, No further investigation is warranted with respect to MEC or MC.</p> <p><b>2) Project 05, Practice Grenade Courts, MRA ID 03R02:</b> MRA IDs 03R02, 03R03, 03R04, 03R07, 03R08, and 03R09, are combined into a single MRA for management efficiency, anticipated response, and the fact that similar munitions (practice grenades) were utilized. Based on historical evidence MD (training grenades) have been found at this MRS. Training grenades would have contained a small black powder spotting charge. Based on the potential presence of MEC, further investigation for MEC is warranted.</p> <p>No sampling was conducted at the practice grenade courts. However, potential contaminants are limited to a few common metals (iron, and small quantities of manganese and nickel). The spotting charges were comprised of black powder, which does not contain CERCLA hazardous Substances. No additional investigation for MC is warranted.</p> <p><b>3) Project 06, Skeet Range No. 580, MRA ID 03R01:</b> Based on historical evidence and results from the SI field activities, there is no evidence of MEC. Sampling indicates lead concentrations above the background soil concentration and ecological screening level. The land associated with the MRS is currently used as a County Park with baseball fields, tennis courts, and playgrounds and does not in itself contain any criteria that would identify it as an important ecological place (IEP). Following discussions with representatives of the Oregon Department of Environmental Quality (ODEQ), it was agreed that, because of the MRS current land use (as a park), further investigation is warranted with respect to MC but not warranted with respect to MEC.</p> <p><b>4) Project 07, Chemical ID Area No. 182, MRA ID 03R06,</b> Historical evidence indicates chemical warfare training took place on Camp Adair. Conclusions on the use Chemical Agent Identification Set (CAIS) is based on interpretation of historical training records.</p> <p>No field activities were proposed or completed within the Chemical Identification Area No. 182. It was agreed at the TPP meeting that only a small quantity of explosive material may have been used in this area and does not pose a significant risk of environmental contamination and any CWM agents that may have</p>			

been released in this area would not be expected to have persisted and/or have been released in quantities that would pose a significant risk of environmental contamination.

CAIS were made available to train troops in the recognition and decontamination of chemical agents and were considered to be expended during training. By designed, these sets were expendable and assumed to have been consumed during training. There is no historical records or physical evidence of CAIS burial the MRS. In accordance with Department of Army Interim guidance, dated 18 Jan 2008, paragraph 4.a. Where there is only historical evidence that CAIS were shipped to a FUDS: 1) AN MMRP project should not be created. In addition, per the Draft Realignment Handbook dated 1 Dec 2010 (Version 0.99) Section 6.3.7, the MMRP does not include gas chambers.

The SI indicates further investigation is warranted with respect to both MEC and MC as a possible burial area for the explosive (M1 tear gas pots and riot control capsules) that were used in the area.

**5) Project 08, Live Grenade Court, MRA ID 03R10:** MRA IDs 03R10, 03R11, 03R12 were combined for management efficiency and anticipated response because of the similar munitions used and the relative closeness of the Courts to each other.. Based on historical evidence, as documented in the ASR, MEC has been reported at Live Hand Grenade Court No. 129 and the West Live Hand Grenade Court. No MEC has been reported as found at the East Live Hand Grenade Court; however, based on similar historical uses, there is risk of MEC at all three. Field activities conducted during the SI did not identify any MEC or MD. Based on historical evidence, further investigation is warranted at the MRS in respect to MEC. The SI sampling results indicated that concentrations of metals in sediment and soil are below both the human health and ecological screening values and there were no detections of explosives in the soil. No further investigation is warranted with respect to MC.

**6) Project 09, Explosive Munitions Range, MRA ID 03R13:** MRA IDs 03R13, 03R16, 03R17 were combined for management efficiency and anticipated response because of the similar munitions used and overlapping footprints. These three ranges were used by Camp Adair between 1942 and 1945. Range Complex Nos. 1 and 2 had a string of artillery and combat ranges that ringed and overlapped the major impact area in the northern sector of Camp Adair. Live fire combat maneuver and support coordination exercises were conducted. Bombing Target No. 1 overlaps a portion of Range Complex No. 2 and was used for aerial bombing by the Navy and Marines in 1945. Weapons used on the ranges included small arms, fragmentation grenades, anti-tank guns, 105 and 155-mm howitzers, and HE bombs weighing up to 500 pounds. Historical evidence indicates both MEC and MD have been identified on the MRS. No visual reconnaissance surveys were conducted during the SI in this MRS for the sole purpose of identifying MEC. SI field activities did not find any MEC or MD. Potential MC contaminants include select metals from bomb casings, fuses, detonators and explosives. The land that comprises the MRS is agricultural, commercial (Christmas trees), and private residences. In July 2007, several months following the completion of the MMRP SI, a private property owner, (within the footprint of the MRS, reported a WWII vintage unexploded ordnance (UXO) that workers had found on his property. Reportedly, the munition was identified as a 55-mm round from an anti-tank gun. The round was properly disposed of by a qualified explosive ordnance disposal (EOD) representative from the City of Salem Oregon Police Department.

SI sampling results show that concentrations of metals and explosives in groundwater, sediment, and soil are low and are below human health screening values. Based on historical and physical evidence, further investigation for MEC is warranted. However, no further investigation is warranted for MC.

**7) Project 10, Mortar Range, MRA ID 03R14:** The Mortar Range was used by Camp Adair between 1942 and 1945. Much of the MRS is currently used for cattle grazing and residences. No visual reconnaissance surveys were conducted during the SI in this MRS for the sole purpose of identifying MEC. Field activities did not find any MEC or MD. Historical evidence presented in the ASR indicates 60mm and 81mm mortars were used on the MRS. SI reports that historically, MEC has been found within the MRS, and that 60mm and 81mm mortars (MEC and MD), although not within the MRS, have been found within its vicinity.

SI sampling results show that concentrations of metals and explosives in groundwater, sediment, and soil are low and are below human health screening

values. Exceedances of soil background

Based on historical evidence, further investigation for MEC is warranted. However, no additional investigation for MC is warranted.

**8) Project 11, Moving Target Range No. 75, MRA ID 03R15:** Much of the MRS is currently being used for agriculture purposes and thus has been disturbed or reworked by tilling or grazing (farming). No visual reconnaissance surveys were conducted during the SI in this MRS for the sole purpose of identifying MEC. Field activities did not find any MEC or MD. Historical evidence presented in the ASR indicates small arms, 37mm APC, and 75mm AP were potential MEC. SI reports that historically, MEC has been found within the MRS.

SI sampling results show that concentrations of metals and explosives in groundwater, sediment, and soil are low and are below human health screening values. Exceedances of soil background

Based on historical evidence, further investigation for MEC is warranted. However, no additional investigation for MC is warranted.

**9) Project 12, Field Combat Ranges, MRA ID 03R18:** This MRS consists of three field combat ranges where live fire combat maneuver and support coordination training was conducted. All infantry and crew-served conventional weapons were authorized which included small arms, anti-tank guns, and 105-mm and 155-mm howitzers.

No visual reconnaissance surveys were conducted during the SI in this MRS for the sole purpose of identifying MEC. Field activities did not find any MEC or MD. SI reports that historically, MEC has been found within the MRS.

SI sampling results show that concentrations of metals and explosives in groundwater, sediment, 94 and soil are low and are below human health screening values. Exceedances of soil background 95 and ecological screening values were identified for molybdenum in soil. However, molybdenum is not a CERCLA hazardous substance.

The Range MRS is currently used for agricultural crop growing operations, Christmas tree growing, and residences. Further investigation is warranted based potential MEC. No additional investigation for MC is warranted.

**10) Project 13, Small Arms Complex 2, MRA ID 03R19:** Based on historical evidence and results from the SI field activities, there is no evidence of MEC. Sampling indicates lead concentrations were above the background soil concentration and ecological screening level. The lead concentrations in these samples are considered significant as Camp Adair meets some of the criteria for designation as an IEP. A portion of the original range complex associated with this MRS is currently licensed to the Oregon National Guard for use as a firing range. The National Guard Ranges are addressed by Projects 14 and 15. Further investigation is warranted with respect to MC due to elevated lead concentrations in soil and potential impacts to ecological receptors. No further investigation is warranted with respect to MEC.

**11) Project 14, National Guard Ranges—MMRP, MRA ID 03R19:** This MRS addresses the portion of the property that was originally included in Small Arms Complex No. 2 which is currently used by the Oregon National Guard. It measures 324 acres. The MRS was used by the U. S. Army between 1942 and 1945 for small arms training. This property is still being used as a firing range by the National Guard. As this project is identified to have PRP implications, an NDAI decision is ascertained for this MMRP project, and the MRS will be addressed under PRP/MMRP Project 15.

**12) Project 15, National Guard Ranges—PRP/PRP, MRA ID 15R19:** This MRS addresses the portion of the property that was originally included in Small Arms Complex No. 2 which is currently used owned by the Oregon National Guard. The MRS was used by the U. S. Army between 1942 and 1945 for small arms training. After World War II, the project area was acquired by the National Guard, who continues to use the property as a firing range. As this project is

identified to have PRP implications, a 0-acre MRS has been created in order to maintain an administrative record until such time as a final determination is reached concerning responsibility for the performance of required response actions.

Explanation of Acreage Changes

Reasons for RBC FUDS PgM Non-Concurrence: