

**Ravenna Army Ammunition Plant Restoration Program  
Public Notification and Public Meeting Summary Packet  
for  
Proposed Plan for RVAAP-03 Open Demolition Area #1  
(Revision 2.0 dated December 7, 2020)**

**Public Comment Period:** January 1, 2021 to January 31, 2021  
**Public Meeting:** January 19, 2021

**Contract No. W912QR-12-D-0002  
Delivery Order: 0003**

**Prepared for:**



**U.S. Army Corps of Engineers  
Louisville District**

**Prepared by:  
PARSONS  
401 Diamond Drive NW  
Huntsville, AL 35806  
256-837-5200**

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**Ravenna Army Ammunition Plant Restoration Program**

**Public Notification and Public Meeting Summary Packet  
for**

**Proposed Plan for CC RVAAP-03 Open Demolition Area #1  
(Final Revision 2.0 dated December 7, 2020)**

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**PUBLIC NOTIFICATION**

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**Public Notice**

## NOTICE OF DOCUMENT AVAILABILITY



### **Proposed Plan for Open Demolition Area #1, Former Ravenna Army Ammunition Plant (RVAAP), Portage and Trumbull Counties, Ohio.**

The Proposed Plan for RVAAP-03 Open Demolition Area #1 presents the preferred remedy for the site. The Proposed Plan also provides current information and the rationale for the preferred alternative. The Open Demolition Area #1 is located at the former Ravenna Army Ammunition Plant (RVAAP) (now known as Camp James A. Garfield) in Portage and Trumbull Counties, Ohio. Copies of the Proposed Plan are located online at [www.rvaap.org](http://www.rvaap.org) and at:

Newton Falls Public Library (Phone: 330-872-1282)  
204 South Canal Street  
Newton Falls, Ohio 44444

Reed Memorial Library (Phone: 330-296-2827)  
167 East Main Street  
Ravenna, Ohio 44266

#### **Please join us for a VIRTUAL PUBLIC MEETING.**

The Army National Guard will host a virtual public meeting to explain the Proposed Plan and preferred alternative. Oral and written comments will be accepted at the meeting. Written comments may also be mailed to the Camp James A. Garfield Environmental Office; 1438 State Route 534 SW, Newton Falls, Ohio 44444 or emailed to [kathryn.s.tait.nfg@mail.mil](mailto:kathryn.s.tait.nfg@mail.mil). Comments will be accepted during the public comment period from January 1 to 31, 2021.

The virtual public meeting is scheduled for:  
6:00 p.m. January 19, 2021  
6:15 p.m. Presentation

Please join at [www.webex.com](http://www.webex.com):  
or 1-833-752-1090  
Meeting Number: 1467193028  
Password: RVAAP-03Meeting (78227003)

It is recommended to join using a computer, but you can also join on a tablet or smart phone or by phone (audio only).

How to join instructions are summarized in the Proposed Plan; detailed instruction can be found at: [www.rvaap.org](http://www.rvaap.org)

**For more information or if you need special accommodations to attend, please contact  
Katie Tait at 614-336-6136.**



## **Affidavits**

**Affidavit from Kent Record Courier Newspaper**

**Proof of Publication**

Record Publishing Company  
1050 W. Main Street,  
Kent, OH 44240  
Phone (330) 541-9400  
Fax (330) 673-6363

I, Teresa S. Milan being first duly sworn depose and say that I am Advertising Clerk of  
**Record Publishing Company**

30 Record-Courier a newspaper printed and published in the city of Kent, and of General circulation in the County of Portage, State of Ohio, and personal knowledge of the facts herein stated and that the notice hereto annexed was Published in said newspapers for 2 insertions on the same day of the week from and after the 27th day of December, 2020 and that the fees charged are legal.

Teresa S. Milan

Name of Account: Parsons/ Ed Heyse  
Ad Number: 12689871  
No. of Lines: 79

Day(s) Published: 12/27, 01/03.  
Printers Fee: \$138.15

Sworn to and subscribed before this 4th day of January, 2021.

Kimberly Anderson



KIMBERLY J ANDERSON  
Notary Public  
State of Ohio  
My Comm. Expires  
April 2, 2025

**PUBLIC NOTICE**  
**Camp James A. Garfield**  
**Joint Military Training Center**  
**Environmental Office**

1438 State Route 534 SW  
Newton Falls, Ohio 44444  
614-336-6136

Virtual Public Meeting to be held  
January 19, 2021 for Army Na-  
tional Guard Release of a Pro-  
posed Plan for Open Demolition  
Area #1 at the Former Ravenna  
Army Ammunition Plant

The Army National Guard, in con-  
sultation with the Ohio Environ-  
mental Protection Agency, sub-  
mits for public review and com-  
ment a Proposed Plan for a site  
at the former Ravenna Army Am-  
munition Plant (RVAAP) in Por-  
tage and Trumbull counties, Ohio.

Open Demolition Area #1 is  
within the former RVAAP (now  
known as Camp James A. Gar-  
field or C/JAG) in Portage and  
Trumbull Counties, Ohio. This  
site is being addressed in ac-  
cordance with the Comprehen-  
sive Environmental Response,  
Compensation, and Liability Act  
(CERCLA). The Proposed Plan  
presents the current status and  
information regarding the site.  
The Proposed Plan details the  
recommendation for the site and  
provides the rationale for this  
recommendation.

On January 19, 2021, a virtual  
public meeting will be held begin-  
ning at 6:00 p.m. at  
[www.webex.com](http://www.webex.com) (or by calling  
1-833-752-1090); Meeting Num-  
ber: 1467193028; Password:  
RVAAP-03Meeting (phone only  
78227003). Details on how to at-  
tend the meeting can be found at:  
[www.rvaap.org](http://www.rvaap.org).

At 6:15 p.m., the Army National  
Guard will briefly describe the site  
assessment, present the recom-  
mendation for the site, and then  
request verbal comments from  
the public. Written comments re-  
garding the recommendations  
may be submitted to the Army  
National Guard during the 30-day  
comment period from January 1,  
2021 to January 31, 2021. All  
written comments should be ad-  
dressed to C/JAG Environmental  
Office; 1438 State Route 534  
SW, Newton Falls, Ohio, 44444  
or sent via email to  
[kathryn.s.tait.nfg@mail.mil](mailto:kathryn.s.tait.nfg@mail.mil).

The Proposed Plan and earlier  
remedial investigation reports  
are available for public review at  
the RVAAP Restoration Program  
Information Repository at the  
Reed Memorial Library (167 East  
Main Street, Ravenna) and the  
Newton Falls Public Library (204  
South Canal Street, Newton  
Falls). The reports are also avail-  
able online at [www.rvaap.org](http://www.rvaap.org).

The final remedy for the site will  
be selected based, in part, on  
public comments. In coordination  
with the Ohio Environmental Pro-  
tection Agency, the Army Na-  
tional Guard will select a final  
remedy after reviewing and con-  
sidering all public comments re-  
ceived during the 30-day public  
comment period. The Army Na-  
tional Guard encourages the pub-  
lic to review and comment on the  
recommendation presented in  
this document. For more informa-  
tion or to participate in the review,  
please visit the RVAAP Restora-  
tion website ([www.rvaap.org](http://www.rvaap.org)) or  
call Katie Tait at 614-336-6136.  
RC 12689871 12/27/20, 1/3/21

# Affidavit from Warren Tribune Newspaper

**PUBLIC NOTICE**  
**Camp James A. Garfield Joint Military Training Center Environmental Office**  
**1438 State Route 534 SW Newton Falls, Ohio 44444**  
**614-336-6136**

Virtual Public Meeting to be held January 19, 2021 for Army National Guard Release of a Proposed Plan for Open Demolition Area #1 at the Former Ravenna Army Ammunition Plant. The Army National Guard, in consultation with the Ohio Environmental Protection Agency, submits for public review and comment a Proposed Plan for a site at the former Ravenna Army Ammunition Plant (RVAAP) in Portage and Trumbull counties, Ohio.

Open Demolition Area #1 is within the former RVAAP (now known as Camp James A. Garfield or CJAG) in Portage and Trumbull Counties, Ohio. This site is being addressed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The Proposed Plan presents the current status and information regarding the site. The Proposed Plan details the recommendation for the site and provides the rationale for this recommendation.

On January 19, 2021, a virtual public meeting will be held beginning at 6:00 p.m. at [www.webex.com](http://www.webex.com) (or by calling 1-833-752-1090); Meeting Number: 1467193028; Password: RVAAP-03Meeting (phone only 78227003). Details on how to attend the meeting can be found at: [www.rvaap.org](http://www.rvaap.org).

At 6:15 p.m., the Army National Guard will briefly describe the site assessment, present the recommendation for the site, and then request verbal comments from the public. Written comments regarding the recommendations may be submitted to the Army National Guard during the 30-day comment period from January 1, 2021 to January 31, 2021. All written comments should be addressed to CJAG Environmental Office; 1438 State Route 534 SW, Newton Falls, Ohio, 44444 or sent via email to [kathryn.s.tait.nfg@mail.mil](mailto:kathryn.s.tait.nfg@mail.mil).

The Proposed Plan and earlier remedial investigation reports are available for public review at the RVAAP Restoration Program Information Repository at the Reed Memorial Library (167 East Main Street, Ravenna) and the Newton Falls Public Library (204 South Canal Street, Newton Falls). The reports are also available online at [www.rvaap.org](http://www.rvaap.org).

The final remedy for the site will be selected based, in part, on public comments. In coordination with the Ohio Environmental Protection Agency, the Army National Guard will select a final remedy after reviewing and considering all public comments received during the 30-day public comment period. The Army National Guard encourages the public to review and comment on the recommendation presented in this document.

For more information or to participate in the review, please visit the RVAAP Restoration website ([www.rvaap.org](http://www.rvaap.org)) or call Katie Tait at 614-336-6136.

#362-2T-Dec. 27, 2020 & Jan. 3, 2021 #5648

\_\_\_\_\_  
 PROOF OF PUBLICATION

STATE OF OHIO  
 TRUMBULL COUNTY

SS: CONNIE PACEK

BEING DULY SWORN, UPON OATH STATES THAT SHE IS AN AUTHORIZED REPRESENTATIVE OF EASTERN OHIO NEWSPAPERS INC, PUBLISHERS OF THE TRIBUNE CHRONICLE AND THE VINDICATOR (an edition of the Tribune Chronicle), NEWSPAPERS PRINTED AND IN THE GENERAL CIRCULATION OF TRUMBULL, MAHONING, COLUMBIANA COUNTIES IN OHIO AND IN MERCER COUNTY IN PENNSYLVANIA.

THE ATTACHED ADVERTISEMENT WAS PUBLISHED IN

THE TRIBUNE CHRONICLE  
 THE VINDICATOR

EVERY: SUNDAY  
 FOR TWO CONSECUTIVE WEEKS AND  
 THAT THE FIRST INSERTION WAS ON SUNDAY  
 THE 27th DAY OF Dec. 2020

Connie Pacek

SWORN TO BEFORE ME AND SUBSCRIBED IN MY PRESENCE ON THIS  
7th DAY OF January 2021

Lawrence J. Kovach  
 NOTARY PUBLIC



LAWRENCE J. KOVACH, Notary Public  
 STATE OF OHIO  
 MY COMMISSION EXPIRES SEPTEMBER 23, 2022

ADVERTISING COST \$ 858.82

**PUBLIC MEETING**

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## **Sign-in Sheet**

Public Meeting Attendance Sheet  
January 19, 2021  
RVAAP Restoration Program

	Name	Email	Phone Number	Affiliation (e.g., Ohio EPA, Resident)
1.	Ed Heyse			Parsons
2.	Janelle Bartscherer			Parsons
3.	Jessica Hinger			Parsons
4.	Lauri Roche			Parsons
5.	Kevin Sedlak			ARNG
6.	Megan Oravec			Ohio EPA DERR-NEDO
7.	Shannon Roberts			Premier Court Reporting
8.	Ed D'Amato			Ohio EPA DERR-NEDO
9.	Katie Tait			OHARNG
10.	Joseph Peterlin			Parsons
11.	Delbert Woloski			Resident of Newton Falls



Public Meeting Attendance Sheet  
 January 19, 2021  
 RVAAP Restoration Program

	Name	Email	Phone Number	Affiliation (e.g., Ohio EPA, Resident)
12.	Sarah Lock			Ravenna, OH Community Co- Chairman
13.	Steven Kvaal			USACE
14.	William Steiner			Resident
15.	Ed D'Amato			Ohio EPA-DERR
16.	Kevin Palombo			Ohio EPA-NEDO
17.	Megan Oravec			Ohio EPA-NEDO
18.	Mark Leeper			ARNG RPM
19.	Kevin Mieczkowski			USAE - Louisville
20.	Roy Martin			Township Representative, Mantua, OH
21.	Dorene Spicer			Township Representative, Paris, OH

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## **Presentation**

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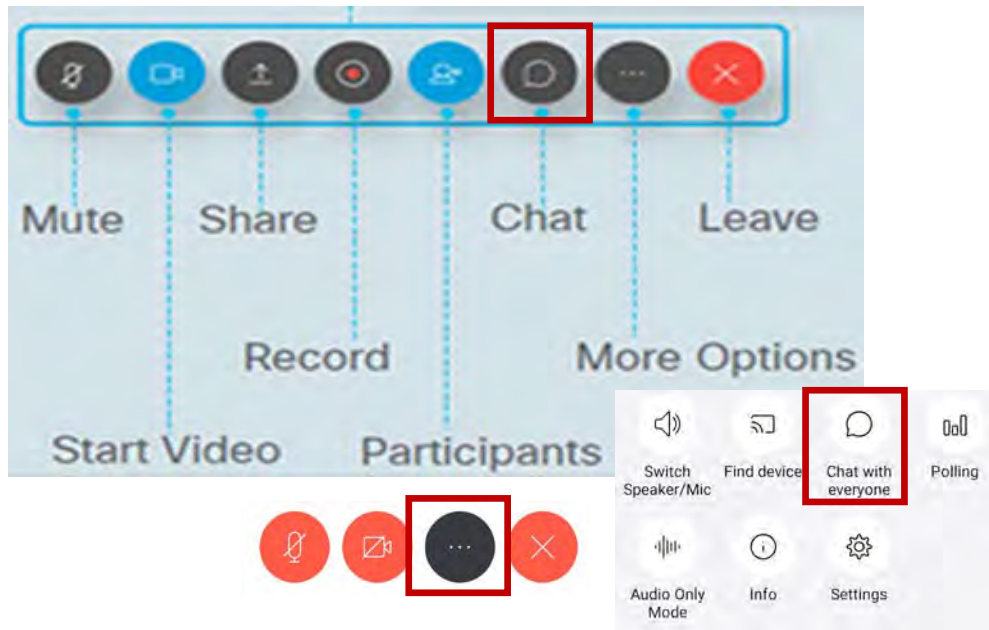
# Public Meeting

RVAAP-03 Open Demolition Area #1  
Ravenna Army Ammunition Plant Restoration Program  
19 January 2021

## AGENDA

- 6:00 – 6:15 pm Join the Meeting / Sign In
- 6:15 – 6:25 pm Welcome / Introductions
- 6:25 – 6:45 pm Presentation of Proposed Plan
- 6:45 – 7:15 pm Questions and Answers

Please “sign in” by sending a message to Janelle Bartscherer using the meeting’s chat feature: name, email, mailing address, phone number, affiliation (i.e. Ohio EPA, Resident, etc.)



### How to mute and unmute your microphone:

- Click the microphone icon to mute your microphone.  
(When wearing a headset or using your phone for audio, make sure you don't double mute yourself by also muting the headset or phone.)
- Click the microphone icon again to unmute your audio.



Having technical difficulties? Call Janelle at 303-386-2414 or email [janelle.bartscherer@parsons.com](mailto:janelle.bartscherer@parsons.com)



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# PROPOSED PLAN

## RVAAP-03 Open Demolition Area #1 Ravenna Army Ammunition Plant Restoration Program, Camp James A. Garfield, Ohio

*Presented by:*

**PARSONS**

19 January 2021

"The views, opinions and findings contained in this report are  
Those of the author(s) and should not be construed as an  
Official Department of the Army position, policy or decision,  
Unless so designated by other official documentation."



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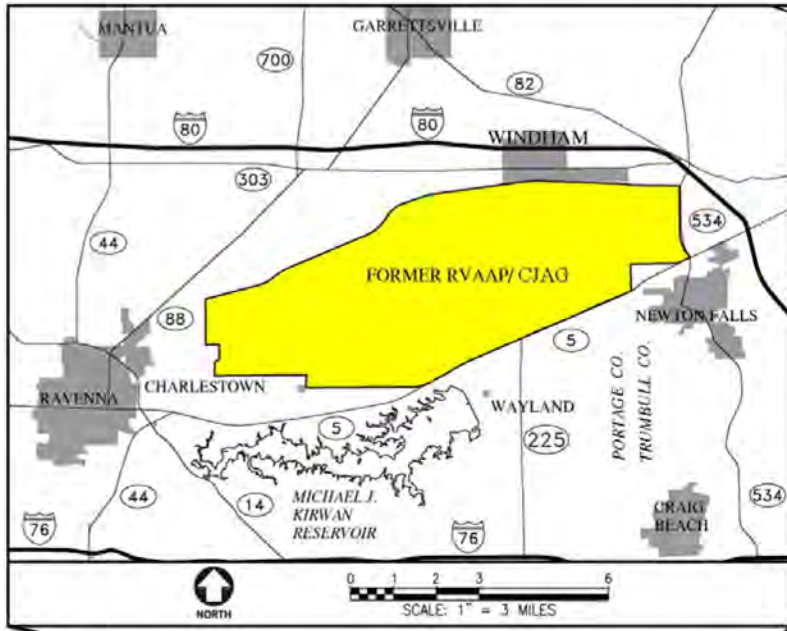
# Acronym Cheat Sheet

AOC	Area of Concern
ARARs	Applicable or Relevant and Appropriate Requirements
CJAG	Camp James A. Garfield Joint Military Training Center
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Chemical of Concern
MEC	Munitions and Explosives of Concern
RI	Remedial Investigation
RVAAP	Ravenna Army Ammunition Plant



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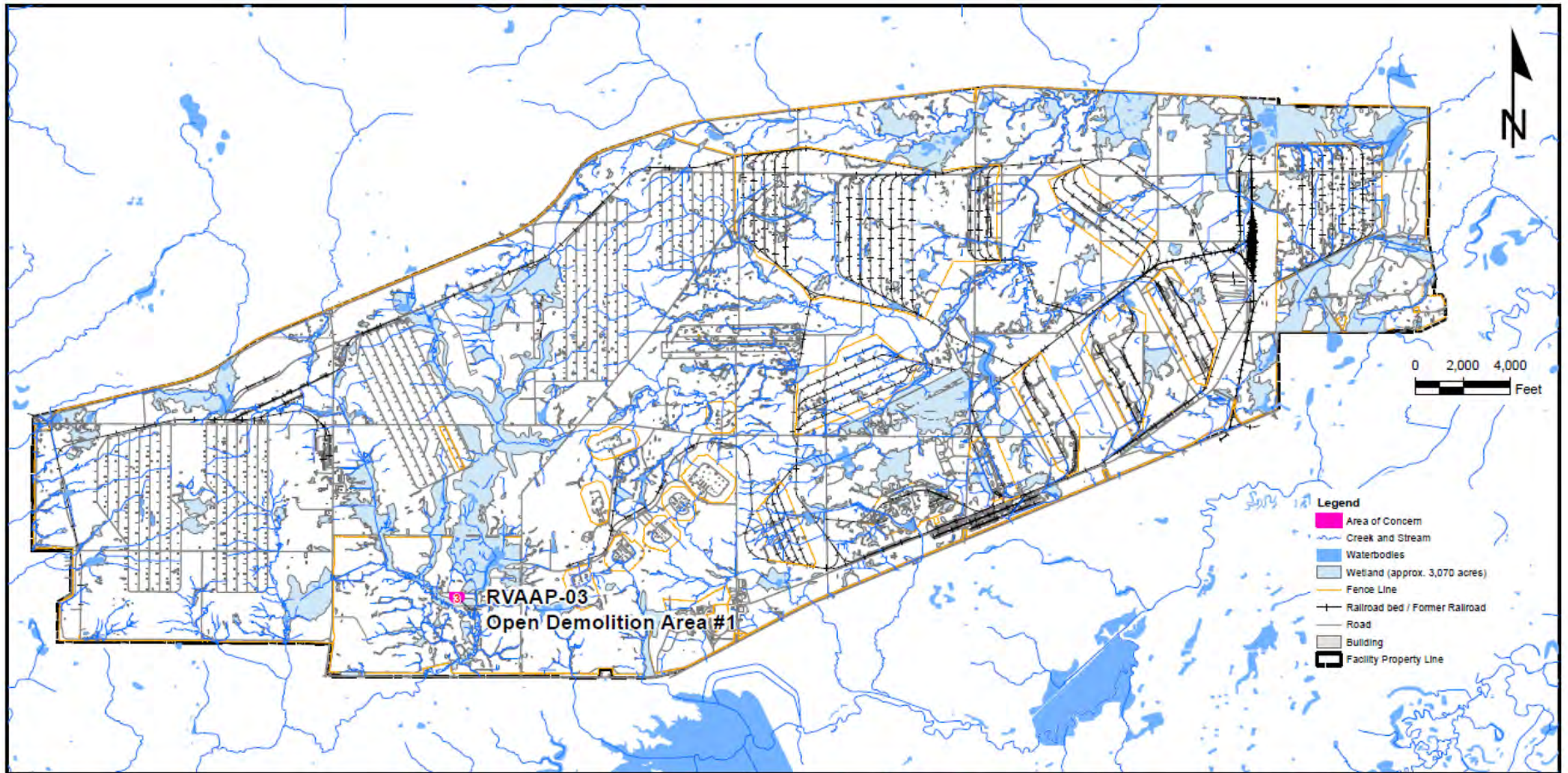




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# Historical Background




- Open burn/open demolition operations for destruction of munitions, explosives, and associated materials (1941 – 1944)
- Area was surrounded by an oval berm
  - Historical aerial photos show aircraft parked on top of berm
  - The berm has been removed
- Burning areas were cleared using heavy equipment by pushing debris to the periphery of the area
- Slag is present in the fill material around the former berm

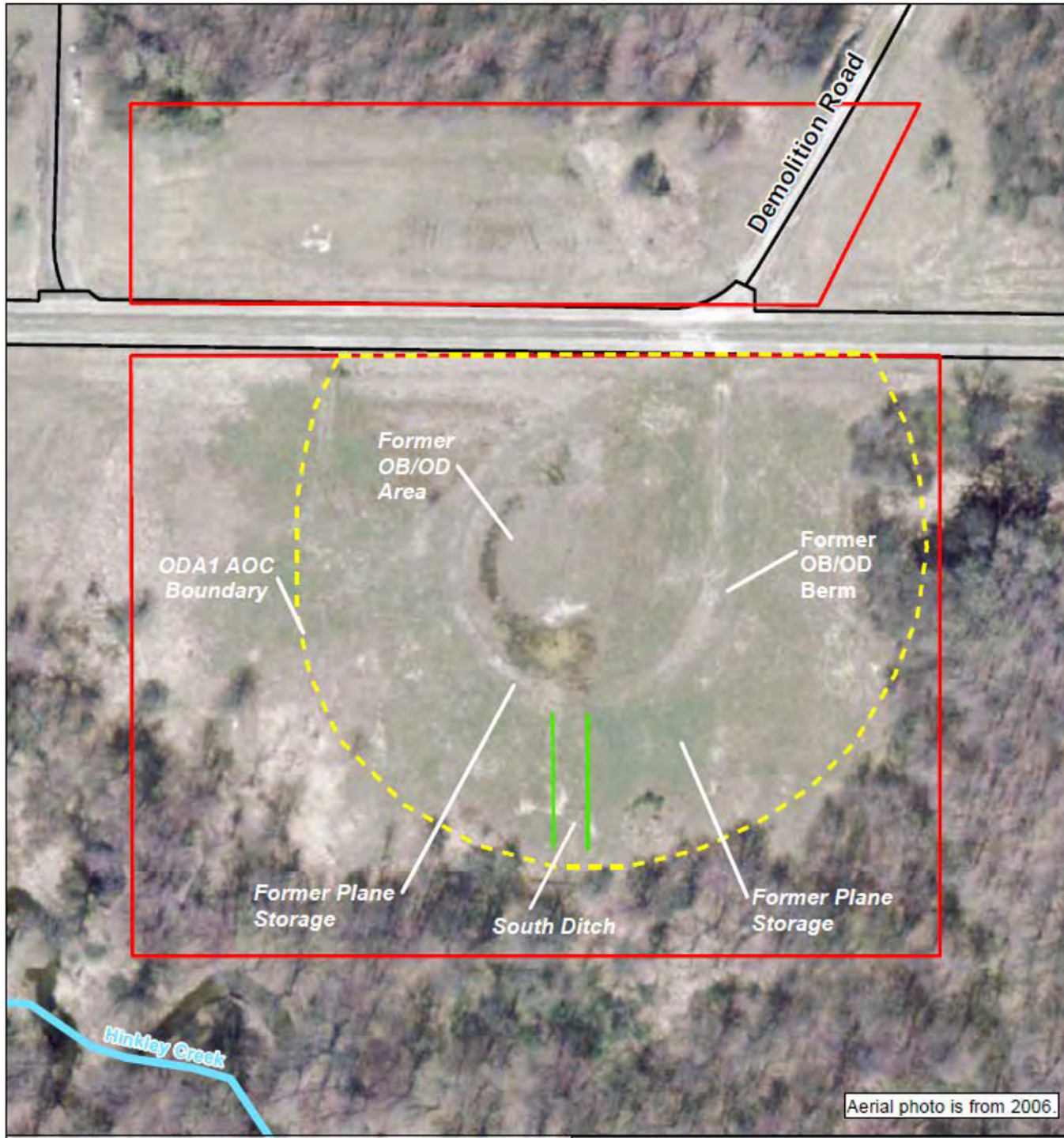
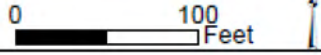


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**Legend**

-  Phase II RI Investigation Area
-  ODA1 AOC Boundary
-  Creek and Stream



Aerial photo is from 2006.



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# Current Conditions

- 6 acres
- Generally flat but a low area south and east of the former berm collects runoff during rainfall events
- Not currently used for military training



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# Environmental Investigations/Reports

- 1996 Preliminary Assessment
- 2001 Phase I Remedial Investigation Report
- 2004 Interim Removal Action Report
- 2011 Geophysical Mapping Report
- 2017 Remedial Investigation Report
- 2020 MEC Verification Study After Action Report



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# Interim Removal Action

- Initiated following Phase I Remedial Investigation
- Area divided into 50-foot x 50-foot grids
- 20 grids (25% of grids) excavated to depth of 4 feet below ground surface and sieved
  - 81,000 pounds of Munitions Debris/Scrap recovered and removed
- Phase I RI identified that soil from 16 grids contained chemical contaminants (metals and explosive compounds)
  - Excavated soil staged and sampled
  - Contaminated soil removed and replaced with clean backfill
  - Soil used for backfill if it did not pose risk to human health

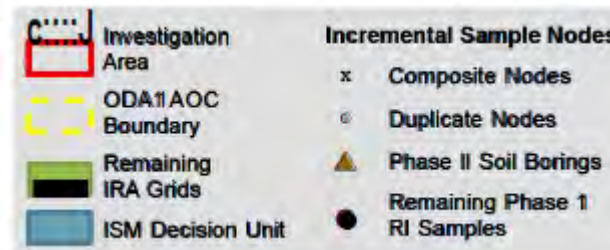
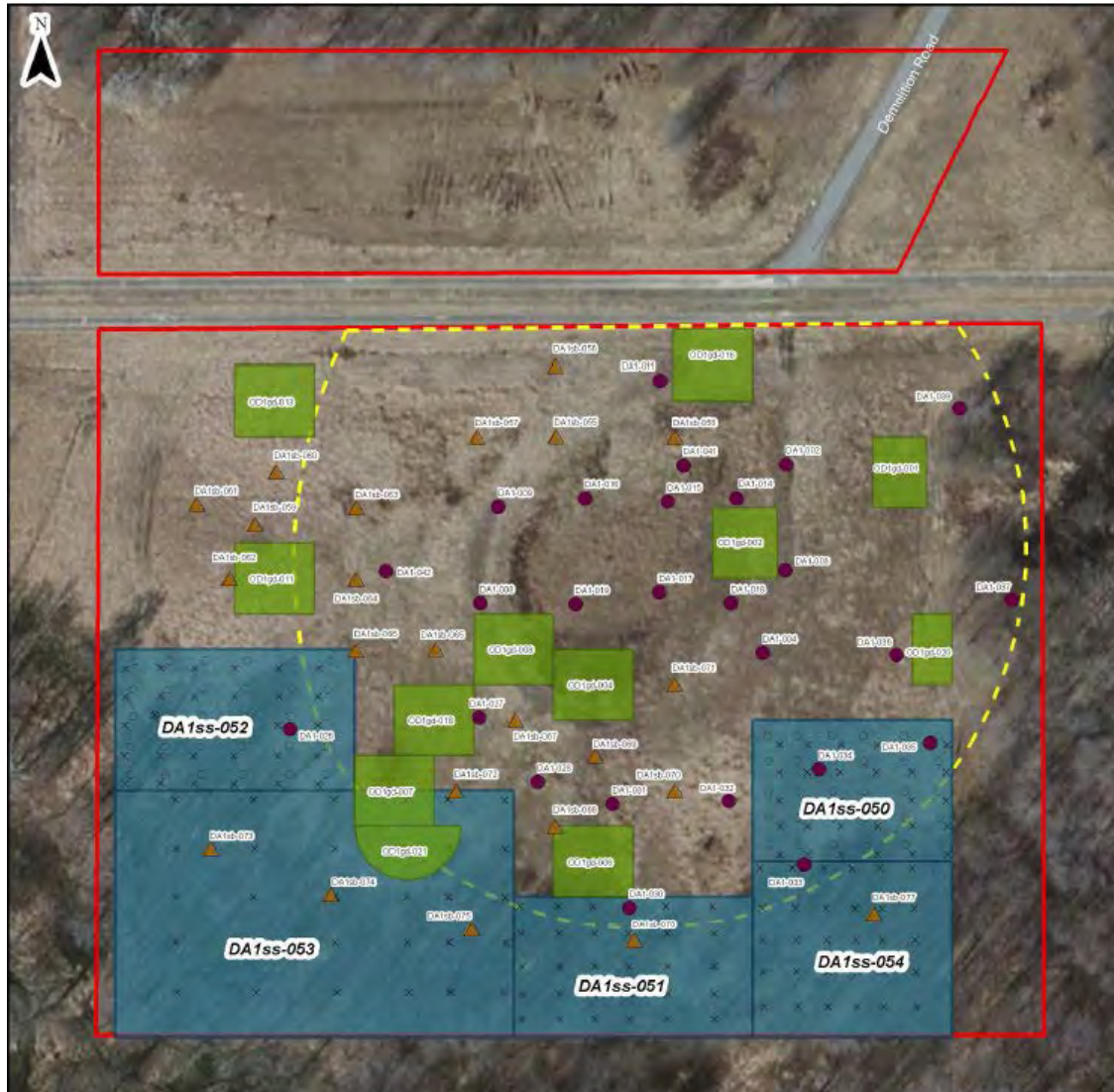


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# Remedial Investigations

- Surface (22) and subsurface (146) soil sampled in 1999, 2001, and 2010
- Samples analyzed for metals, explosives and other contaminants
- Risk assessment



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# Remedial Investigation Results

- Extent of chemicals in soil, surface water, and sediment has been characterized
- No COCs for human health were identified at the AOC
- No ecological risk
- Potential for MEC remaining in portions of AOC could not be ruled out.
- No Further Action is recommended

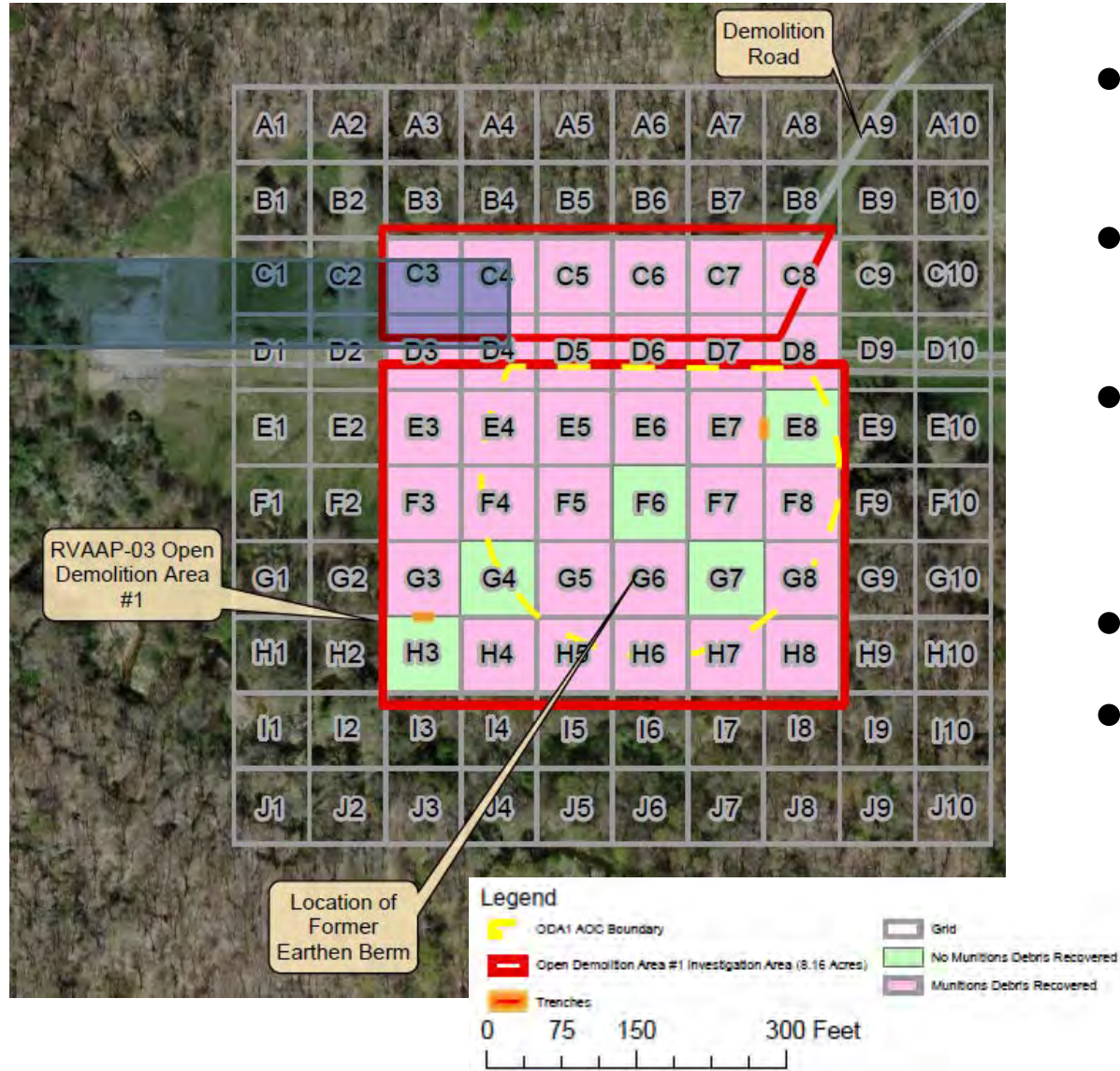


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# MEC Verification Study



- Study initiated due to concerns about potential for MEC
- Established 100 ft x 100 ft grid at AOC and kick-out areas
- Conducted magnetometer survey and intrusive investigations to search for MEC
- No MEC or evidence of MEC at AOC
- Results support No Further Action recommendation of RI Report



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# Recommendations

**Preferred remedy must be protective of receptors associated with current and future Land Use**

Current Land Use: Restricted Access; Adjacent Areas used for Military Training  
Current Receptor: None

Future Land Use: Military Training; AOC will achieve Unrestricted/Residential Use  
Future Receptor: Unrestricted/Residential

**Results of the Remedial Investigation and MEC Verification Study support No Further Action as the preferred remedy at Open Demolition Area #1**



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# Questions?

Questions/Comments can be submitted several ways:

- By email ([kathryn.s.tait.nfg@mail.mil](mailto:kathryn.s.tait.nfg@mail.mil))
- By mail (Camp James A. Garfield Joint Military Training Center, Environmental Office, Attn: Katie Tait, 1438 State Route 534 SW, Newton Falls, Ohio 44444)
- Asked in person at the public meeting

The public comment period begins 1 January 2021 and continues through 31 January 2021.



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**Court Reporter Transcript**

PUBLIC MEETING

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IN RE:	)	
	)	
RVAAP-03 OPEN DEMOLITION	)	
AREA NUMBER ONE	)	
	)	
RAVENNA ARMY AMMUNITION	)	
PLANT RESTORATION PROGRAM	)	<b>TRANSCRIPT OF</b>
	)	<b>PROCEEDINGS</b>
VIRTUAL PUBLIC MEETING	)	

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Transcript of Proceedings held virtually, taken by the undersigned, Shannon Roberts, a Registered Professional Reporter and Notary Public in and for the State of Ohio, on Tuesday, the 19th day of January, 2021, at 6:15 p.m.

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APPEARANCES:

- Ed Heyse, Parsons
- Janelle Bartscherer, Parsons
- Jessica Hinger, Parsons
- Lauri Roche, Parsons
- Joseph Peterlin, Parsons
- Ed D'Amato, EPA
- Megan Oravec, EPA
- Kevin Palumbo, EPA
- Katie Tait, Ohio National Guard
- Kevin Sedlak, National Guard
- Kevin M. Mieczkowski, Corp of Engineers
- Steven Kvaal, Corp of Engineers
- Mark Leeper, Army
- Sarah Lock
- William Steiner
- Delbert Woloski
- Dorene & Dan Spicer
- Roy Martin

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1           MR. HEYSE: All right. Well, I have got  
2           6:15, so I think we should go ahead and get  
3           started. Welcome to the public meeting for  
4           open demolition area number one as part of  
5           the Ravenna Army Ammunition Plant Restoration  
6           Program.

7           My name is Ed Heyse. I'm an  
8           environmental engineer with Parsons. We have  
9           got several other Parsons folks here on the  
10          call assisting me; Janelle Bartscherer,  
11          Jessica Hinger, Lauri Roche, and then Joe  
12          Peterlin, he has done some field work out --  
13          out at the former plant. We also have  
14          Shannon Roberts as our court reporter who  
15          will be making a transcript of this meeting.

16          I want to introduce the Army folks on the  
17          line. We have got Mark Leeper. And Kevin  
18          Sedlak from National Guard. Katie Tait from  
19          Ohio National Guard. Kevin Mieczkowski and  
20          Steve Kvaal from the Corp of Engineers. And  
21          then Ed D'Amato, Megan Oravec, and Kevin  
22          Palumbo from Ohio EPA.

23          And I think you probably know all those  
24          people anyway, but I wanted to go through the  
25          introductions. Is everybody signed in?



1           MR. PALUMBO: Not me, Kevin Palumbo; I  
2 did not.

3           MR. HEYSE: Okay. Make sure we write  
4 Kevin down here for attending.

5           All right. So with that, I'm going to go  
6 ahead and go through the presentation. So  
7 this is the presentation for the proposed  
8 plan for open demolition area number one,  
9 which is -- the site number is RVAPP-03.  
10 It's part of the Ravenna Army Ammunition  
11 Plant Restoration Program.

12           Before we get started, I'd like to go  
13 through a couple of acronyms that you'll see  
14 in the proposed plan itself and in the  
15 presentation. AOC is area of concern. This  
16 is the physical area where there may have  
17 been a release of contaminants and therefore  
18 is being investigated. And open demolition  
19 area number one is an area of concern.

20           ARARs means applicable or relevant and  
21 appropriate requirements. The investigation  
22 is conducted under the CERCLA or Superfund  
23 law, and that law does not have standards in  
24 and of itself, and so it borrows them from  
25 other laws and other regulations. And so

1 AVARs are standards that are borrowed from  
2 other regulations and applied to an area of  
3 concern.

4 CJAG, of course, is Camp James A.  
5 Garfield Joint Military Training Center, who  
6 is currently occupying the -- the land that  
7 was formerly the Ravenna Army Ammunition  
8 Plant.

9 CERCLA stands for Comprehensive  
10 Environmental Response Compensation and  
11 Liability Act, or also known as the  
12 Superfund. It's a law that was passed in  
13 1980 to require people who dispose of past  
14 waste or had releases of waste in the past to  
15 go out and investigate, and if necessary,  
16 clean up that contamination. And the work to  
17 look at -- into possible releases at the  
18 former Ravenna Army Ammunition Plant follow  
19 the process of the CERCLA law.

20 COC stands for chemical of concern. This  
21 is a chemical that was released into the  
22 environment and is present at a concentration  
23 that could be hazardous to human health.  
24 Munitions and explosives of concern, or MEC,  
25 are munitions or components of munitions that

1 still pose an explosive hazard.

2 RI stands for remedial investigation.  
3 That's the process under the CERCLA law  
4 that -- whereby we have to go in and collect  
5 samples of soil and groundwater and  
6 sediments, do chemical analyses on them, and  
7 determine whether or not those -- any  
8 chemicals were released; and if they were  
9 released, are they present at a concentration  
10 that could impact human health.

11 And then finally RVAAP is Ravenna Army  
12 Ammunition Plant. The former Ravenna Army  
13 Ammunition Plant, now Camp James A. Garfield,  
14 is located in Northeast Ohio. This is a map  
15 of the former installation, and you can see  
16 the different railroads that used to be there  
17 for the manufacturer of munitions. The open  
18 demolition area number one is the small area  
19 located in the south central portion of the  
20 facility.

21 The open demolition area number one was  
22 used in the early '40s to destroy munitions  
23 and explosives and other associated  
24 materials. It was basically just an open  
25 area surrounded by a berm. And the munitions

1 or explosives to be disposed of were placed  
2 inside the berm and burned. There are  
3 historical photographs that show some  
4 aircraft that were parked on top of the berm.  
5 They have since been removed. The berm  
6 itself has been removed.

7 After the munitions were burned and they  
8 exploded or burned, the debris that was left  
9 over was cleared out of the area with heavy  
10 equipment by pushing it to the periphery of  
11 the area. And that area has been  
12 investigated, and they found things like slag  
13 and -- and metal debris and fill material  
14 around outside of the berm.

15 This is an aerial of the area that looked  
16 in 2006. The yellow dashed line shows where  
17 the area of concern boundary is. The -- you  
18 can see the remains of -- of what was the  
19 berm around a smaller area within that --  
20 that AOC area. And then the larger red  
21 boundary shows the limits of where  
22 investigations were conducted, which go out  
23 beyond the edges of -- of the area of  
24 concern.

25 These photos were taken back in November,

1 so this is what the area of concern looks  
2 like today. It's just a grassy area  
3 surrounded by trees. It's generally flat.  
4 There is a low area off to the south where  
5 water collects after rain events. The area  
6 is not currently used for military training,  
7 pending resolution of -- of this area of  
8 concern.

9 There have been a series of  
10 investigations, starting in the mid '90s, for  
11 this area of concern. And those studies are  
12 documented in reports, and those reports are  
13 available on the RVAPP.org website in the  
14 information repositories, and they are  
15 summarized in the proposed plan.

16 There was a preliminary assessment back  
17 in 1996. The phase one remedial  
18 investigation report was 2001. Following  
19 that remedial investigation, there was an  
20 interim removal action. There was some  
21 geophysical mapping. There was another round  
22 of remedial investigations, soil sampling in  
23 the late 2000s.

24 And then finally, most recently, there  
25 was a study to verify that there was no

1 munitions of -- or explosives of concern at  
2 the site in that verification study. And  
3 I'll talk about some of these on these next  
4 slides.

5 I'll start with the interim removal  
6 action. It was done back in 1999. And it  
7 started after the phase one remedial  
8 investigation. So there were soil samples  
9 that had been taken before they did this  
10 removal action. What was done is the area  
11 was divided into 50-foot by 50-foot grids,  
12 and 20 of those grids, which is about a  
13 quarter of the total, were excavated down to  
14 the depth of 4 feet. You can see in the  
15 photo, you know, what the excavation -- one  
16 of the excavations looked like.

17 And the soil from the excavation was  
18 taken and it was sieved to find out if there  
19 was any -- anything in the soil. And they  
20 did find a lot of debris and scrap; 81,000  
21 pounds of it was found and removed. There  
22 were no explosives there. It was just the  
23 metals left over from where the explosives  
24 were destroyed.

25 The phase one remedial investigation had

1 identified that soil from 16 of these 20  
2 grids did contain chemical contaminants, be  
3 it either metals or explosive compounds. So  
4 the soil that was excavated was staged on  
5 site and sampled and analyzed. Contaminated  
6 soil was removed and replaced with clean  
7 backfill. Soil that -- was used -- was used  
8 for backfill if the concentrations did not  
9 pose risk to human health.

10 Following that interim removal action,  
11 there were some additional remedial  
12 investigations. There is a total of 22  
13 surface soil samples, 146 soil samples,  
14 subsurface soil samples. That is to drill  
15 down below the surface and soil collect it.  
16 And these soil samples were collected over a  
17 period of time in 1999, 2001, and 2010. All  
18 of those soil samples were analyzed; metals,  
19 explosives, other contaminants. And then the  
20 types of contaminants and then their  
21 concentrations were evaluated in a risk  
22 assessment.

23 And the map off here to the -- the left  
24 shows where some of those -- where the soil  
25 samples were collected. The circles and

1 triangles are subsurface locations. The  
2 shaded boxes are surface soil sample  
3 locations where they did multi-incremental  
4 sampling, multiple samples of the surface and  
5 composite them together.

6 The remedial investigation report  
7 determined that the extent of chemicals and  
8 soil surface water and sediment had been  
9 fully characterized. They determined that  
10 the concentrations were not high enough to be  
11 a risk for human health. So there were no  
12 chemicals of concern identified at the area  
13 of concern. There was no ecological risk  
14 identified.

15 The report did mention that there was a  
16 potential for munitions and explosives, the  
17 concern remaining in portions of the AOC.  
18 That's because the interim removal action did  
19 not sample 100 -- did not remove 100 percent  
20 of the soil within the area of concern. So  
21 they couldn't rule out the presence of MEC.  
22 However, the remedial investigation  
23 recommended no further action.

24 Because the RI could not -- raised some  
25 concerns for the potential of MEC, the Army



1           came in and did a MEC verification study  
2           after the RI. And they established a  
3           100-foot by 100-foot grid at the area of  
4           concern and beyond the area of concern, into  
5           kick-out areas. These would be areas where  
6           things might have got blown when -- when the  
7           munitions were being burned.

8           They conducted a magnetometer or metal  
9           detector survey, and then they dug the  
10          anomalies, intrusive investigations,  
11          specifically looking for MEC, and they did  
12          not find any MEC and they did not find any  
13          evidence of MEC anywhere in the area of  
14          concern. So the results of the MEC  
15          verification study support the no further  
16          action recommendation from the RI report.

17          So the recommendations from the proposed  
18          plan, the Army must select a preferred  
19          remedy, and that preferred remedy must be  
20          protective of the receptors both currently  
21          and in the future. Currently, the land is --  
22          is under restricted access. It is adjacent  
23          to areas that are used for military training,  
24          but there is currently no one using the area  
25          of concern.

1           The future land use is anticipated to be  
2           military training, but the goal is for the  
3           area of concern to achieve unrestricted  
4           residential use, so that if the land was  
5           transferred in the future and used for  
6           residential purposes, it would be safe.

7           Based on the results of the remedial  
8           investigation and the MEC verification study,  
9           the preferred remedy -- the preferred remedy  
10          for open demolition area number one is no  
11          further action. And that's based on the  
12          results of the remedial investigation and the  
13          MEC verification study.

14          That's the presentation that we have. I  
15          guess are there any comments from Ohio EPA  
16          before we open it up to questions?

17          MR. D'AMATO: Hi. This is Ed D'Amato  
18          from Ohio EPA. We did -- just so folks  
19          understand, you know, we did work alongside  
20          with the Army on the remedial investigation  
21          and so forth, and we do concur with the  
22          remedy.

23          MR. HEYSE: Thank you. At this point, we  
24          are happy to open it up for any questions.  
25          You can submit your questions several ways.

1           You can send them by e-mail to Katie. The --  
2           the e-mail address is located -- is listed  
3           here, as well as in the proposed plan, or by  
4           mail. Or you are welcome to ask any  
5           questions here during the public meeting. We  
6           ask that you identify yourself when you -- if  
7           you are asking a question.

8           The public comment period began on the  
9           1st of January and it continues through the  
10          31st of January, and comments are welcome up  
11          through the 31st of January.

12          And with that, we'll open it up for  
13          questions.

14          MS. LOCK: Hi. This is Sarah Lock. I do  
15          have a question. I apologize, there is  
16          apparently somebody at my door, and my dogs  
17          are barking, so I hope you can hear me okay.  
18          Again, the joys of being at home.

19          So I do wonder for this future use that  
20          would be very open, you know, unrestricted,  
21          are there any concerns that during the study  
22          only a depth of 4 feet was investigated?

23          MR. HEYSE: I think that's a -- a pretty  
24          standard depth. And there was the -- you  
25          know, the metal detector studies, too, that

1           can look down at depth. Usually the stuff  
2           blows up, not down. So I think the depth of  
3           4 feet was more of a concern for when they  
4           push the debris out of the -- the berm and  
5           off to the side for burial, to make sure that  
6           they -- they captured that. And they did  
7           look into those burial areas around -- around  
8           the perimeter of the berm.

9           I don't know if anyone from the Army has  
10          any -- any comments on that as well.

11          MR. SEDLAK: This is Kevin Sedlak. Also  
12          when they were pulling out anything that was  
13          a hit on the metal detector, once they  
14          removed that piece of metal, then they would  
15          probe underneath it to make sure that there  
16          was nothing else that might have been  
17          underneath it, because you can't  
18          differentiate.

19          So once it was moved -- removed from the  
20          ground, then they would use the metal  
21          detector again to make sure there was nothing  
22          below it. So -- and if they did hit  
23          something that was below it, they would  
24          continue to dig down until they found out  
25          what that was.

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MR. HEYSE: Any other questions?

(No response.)

MR. HEYSE: All right. Well, if -- again, the public comment period remains open. If -- if you think of something after this meeting is over and -- and want to ask a question or make a comment, you are certainly welcome to do so by e-mail or by mail.

And if there are no further questions, I think we can conclude the meeting.

- - - - -

(This proceeding concluded at 6:36 p.m.)

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C E R T I F I C A T E

STATE OF OHIO,     )  
   )  
STARK COUNTY.     )

I, Shannon Roberts, a Registered Professional Reporter and Notary Public in and for the State of Ohio, duly commissioned and qualified, do hereby certify that the within testimony so given was by me reduced to Stenotype, afterwards prepared and produced by means of Computer-Aided Transcription, and that the foregoing is a true and correct transcription of the testimony so given.

I further certify that this proceeding was taken at the time and place in the foregoing caption specified.

I further certify that I am not a relative of, employee of or attorney for any party or counsel, or otherwise financially interested in this action.

I do further certify that I am not, nor is the court reporting firm with which I am affiliated, under a contract as defined in Civil Rule 28(D).

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of office at Canton, Ohio, this 25th day of January, 2021.

-----  
Shannon Roberts, Notary Public  
My commission expires February 2, 2023

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## **Public Comments Received**

## **SUMMARY OF STAKEHOLDER ISSUES AND LEAD AGENCY RESPONSES**

One comment was received during the January 19, 2021 public meeting.

**Public Comment:** Ms. Sarah Lock asked if there were any concerns for unrestricted use of the AOC given that investigations only went to four feet below the surface.

**Lead Agency Response:** The interim removal action excavated soil to a depth of four feet. All excavations were screened for ordnance and explosive scrap items at final depth by an unexploded ordnance technician visually and using a Schoenstatt GA-52CX commercial handheld magnetometer which can detect an item up to 4 feet below ground surface (that is, below the bottom of the excavation). The interim removal action report concluded that excavations identified extent of scrap in the burial areas on the periphery of the AOC and within the former open burn/open demolition area. Soil borings were used to sample soil at depths up to 12 feet below ground surface. Taken as a whole, the interim removal action excavations, Remedial Investigation soil borings and munitions and explosives of concern verification study result in a high level of confidence that there is no significant risk of munitions or explosives of concern at this AOC.

No other comments were received verbally during the public meeting, and no written comments were received during the 30-day public comment period.