



PIKA
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*Phase I Time Critical Removal Action
(TCRA)*

*Rocket Ridge Area of Open Demolition
Area #2 (ODA2)*

Ravenna RAB Presentation

May 20, 2009

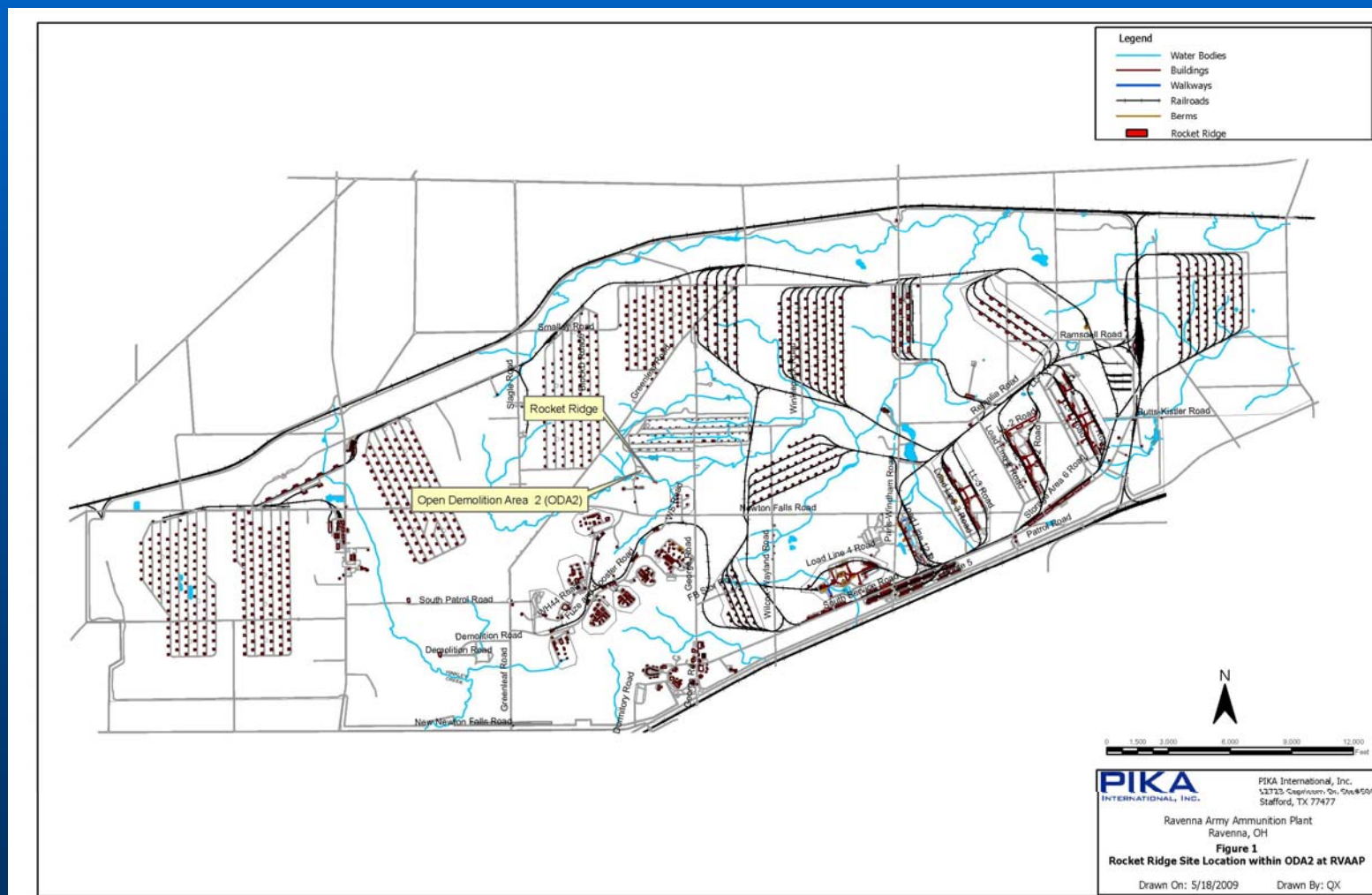


Site Description

- Rocket Ridge is a steep embankment along Sand Creek within Open Demolition Area #2 (ODA2) .
- ODA2 was used for detonation of large caliber munitions for demilitarization purposes.
- Rocket Ridge slope was used for disposal of the demilitarized munitions at ODA2; although not all munitions appear to have been completely demilitarized.
- Rocket Ridge was used during late 1940's to early 1950's.
- The site is approximately 90 feet long by 80 feet wide.



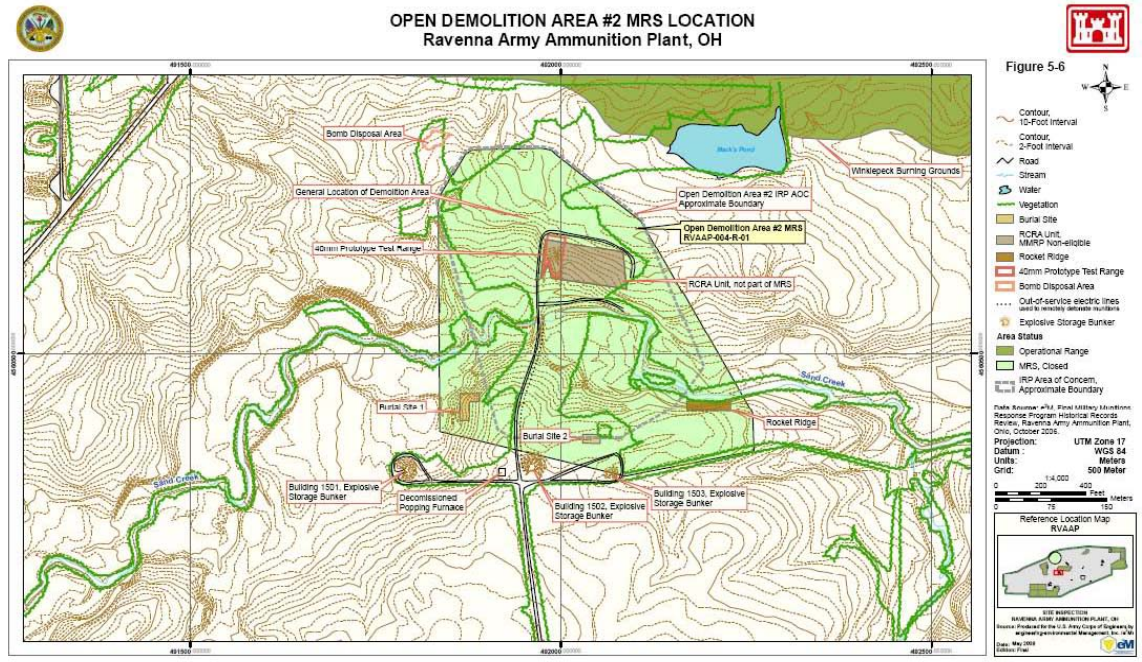
Site Location Within the RVAAP





Rocket Ridge Site Location

ATTACHMENT 1





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Overview of Rocket Ridge Site





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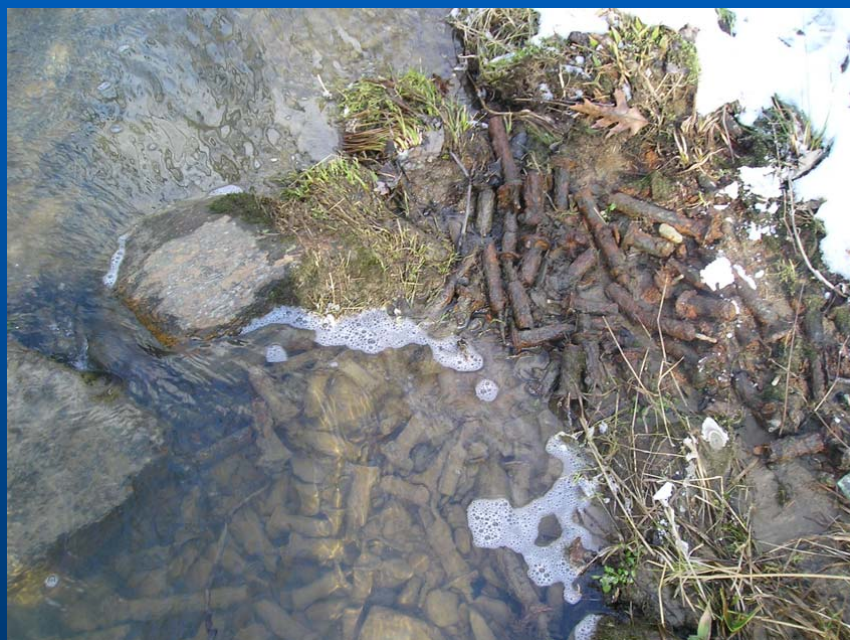
Close-up of Existing Munitions Related Debris





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Existing Components of White Phosphorus Rifle Grenades





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Fuzed 105mm HE Projectile





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Buried 500lb General Purpose Bomb



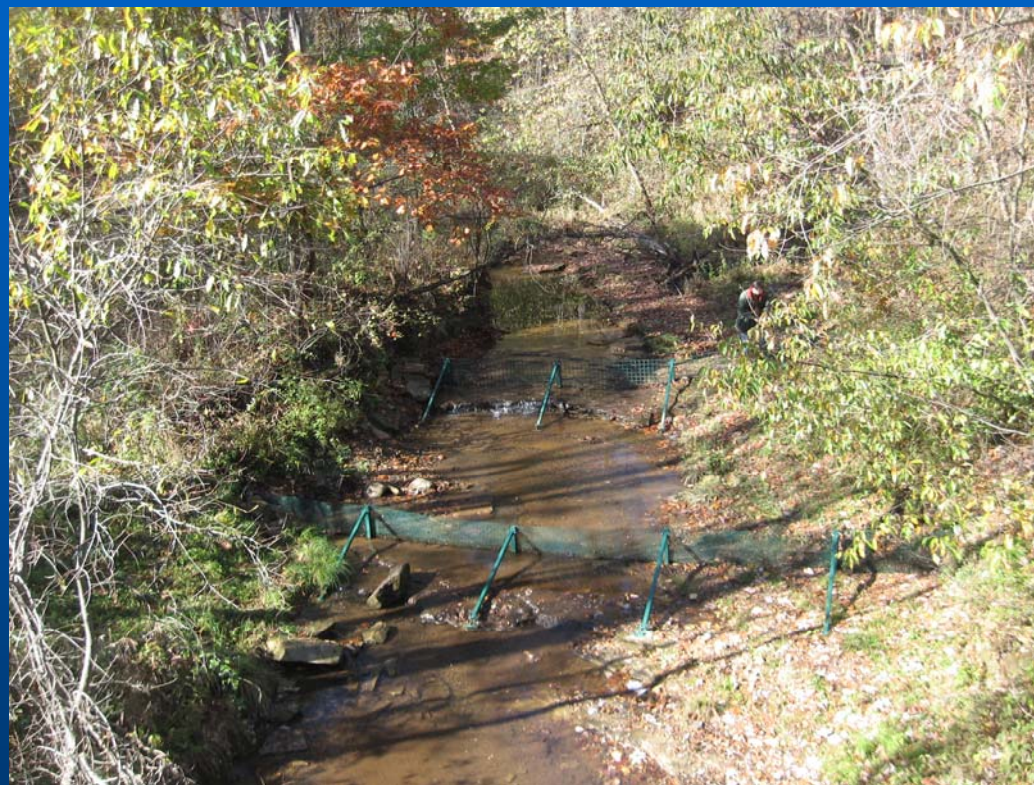


Rocket Ridge Site History

- Discovered in 2004.
- Surface Water and Sediment Samples indicate no impact to the water quality.
- June 2007 White Phosphorus Rifle Grenade Incident identified the need for Time Critical Response Action (TCRA).



1st Interim Step - Sand Creek Barriers



- Installed July 2008 approximately 2700 feet downstream from Rocket Ridge.
- Installed to stop any munitions-related materials that may migrate downstream of the Rocket Ridge Area.
- Inspected once a month.
- No munitions-related items recovered to date.



2nd Interim Step - TCRA at Rocket Ridge Area

- USACE, Louisville District is lead agency responsible for project completion.
- PIKA International, Inc. is the selected Contractor to implement the project - May 7, 2009.
- Objectives:
 - Verify the status of the 500 lb bombs for removal.
 - Remove the fuzed 105mm HE projectile.
 - Investigate extent and volume of Munitions-Related Items.
 - Document findings in a Removal Action Report (RAR) to aid in scoping future removal actions at Rocket Ridge.



Summary of TCRA Scope of Work

- Task 1 – Prepare Work Plans
- Task 2 – Conduct Access Road Improvement
- Task 3 – Remove Vegetation
- Task 4 – Coordinate Public Involvement
- Task 5 – Determine if 500lb Bombs are fuzed
 - If un-fuzed, remove items and store in designated RVAAP storage igloo.
 - If fuzed, provide recommendations on how best to address the munitions based on observed site conditions. All stakeholders will come to a mutual agreement for proposed treatment if unacceptable to move.



TCRA Scope of Work (Continued)

- **Task 6 - Remove the fuzed 105mm projectile by Open Demolition using sandbag mitigation.**
- **Task 7 – Conduct Instrument-Assisted Munitions Related Density Survey of the Rocket Ridge Area.**
 - Use metal detectors to determine site boundaries and GPS device to map the extent.
 - Evaluate concentrated area of white phosphorus rounds to estimate nature and extent and level of effort required for safe removal.
 - Hand Dig nine test pits across the site to determine approximate depth of contamination.
 - Collect soil samples from bottom of test pits to assess potential contamination.
- **Task 8 – Prepare TCRA Report to aid in scoping future Removal Action at Rocket Ridge.**