

Air Force Installation & Mission Support Center

Wurtsmith Restoration Advisory Board Meeting



Steven Willis
AFCEC/CZBC
21 May 2025

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Checklist for Virtual Participation



- ✓ If you prefer to join audio by phone, please dial the call-in number and enter the access code to enter the meeting
- ✓ Phone unmute instructions - *5 to raise your hand, *6 to unmute/mute
- ✓ RAB Members – mute when not speaking
- ✓ Use “raise hand” to ask a question or provide a comment
- ✓ RAB Coordinator will unmute your mic when it’s your turn to speak
- ✓ To enable closed captions for language support, click “more” – “language and speech” – “turn on live captions”
- ✓ Use Chat for questions
- ✓ Contact the RAB Coordinator with access questions wendi.michael@wsp.com

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Agenda



- **Welcome, RAB roll call, and introduction of senior leaders**
- **RAB member updates**
- **Project forecasts**
- **RAB business**
- **Biennial land use control and unexploded ordnance awareness**
- **RAB member questions**
- **Public comment period**
- **Conclusion – RAB co-chairs' closing remarks**
- **Adjournment**

(Note: acronym list provided in backup slides)

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RAB Member Updates

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Community RAB Updates



- **Community RAB members**



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

EGLE Updates

Amy Handley
Project Manager
RRD, Superfund Section
Handleya@michigan.gov | 517-898-3356

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Recent EGLE RRD Activities

- March BCT meeting
- DGI Meeting in Oscoda
- EPA, Air Force, and EGLE meeting for Risk Assessment discussion with community
- Continue to work on dispute resolution
- Review of Van Etten Lake and groundwater flow in ongoing
- Looking ahead for munitions field activity
- EGLE and NOW meeting on May 2
- Documents in review/reviewed:
 - IRA performance monitoring report, reviewed
 - 2023 LTM Report, finalized
 - 2022 PTS RA-O Report, finalized
 - Generic UFP-QAPP, reviewed and in backcheck now
 - VI RI Addendum 3, reviewed and in backcheck now
 - QAPP Addendum for DRMO/LF30-31, reviewed
 - SS-72 Revised Feasibility Study, in review

Upcoming Activities

- Continue to collaborate with Air Force and contractors for developing the DGI work plan
- Ongoing communication with the Air Force on the dispute resolution
- Meeting with EPA, Air Force, and community members to discuss risk assessment questions/topics
- Meet with Air Force and Noblis for Van Etten Lake and groundwater flow assessment
- Prepare for upcoming field season
- BCT meeting next week
- Upcoming documents for review or backcheck
 - Five-Year Review expected in 2025
 - LTM and PTS annual reports
 - BECOS QAPP Addendum
 - Preliminary Characterization Summary (Risk Assessment draft to follow)
 - DGI UFP-QAPP



RAB Member Updates





- **Tech Session conducted 20 May at Holiday Inn Express**
 - **Discussed DAF and EGLE quality assurance (QA) split sample results**
 - Evaluate variability in analytical procedures
 - Consistency across different labs
 - Identify systematic difference between labs (bias results)
 - Compliance with project data quality objectives
 - **QA sample results indicate data is suitable for decision-making**
- **Community involvement plan survey deadline is 31 May**



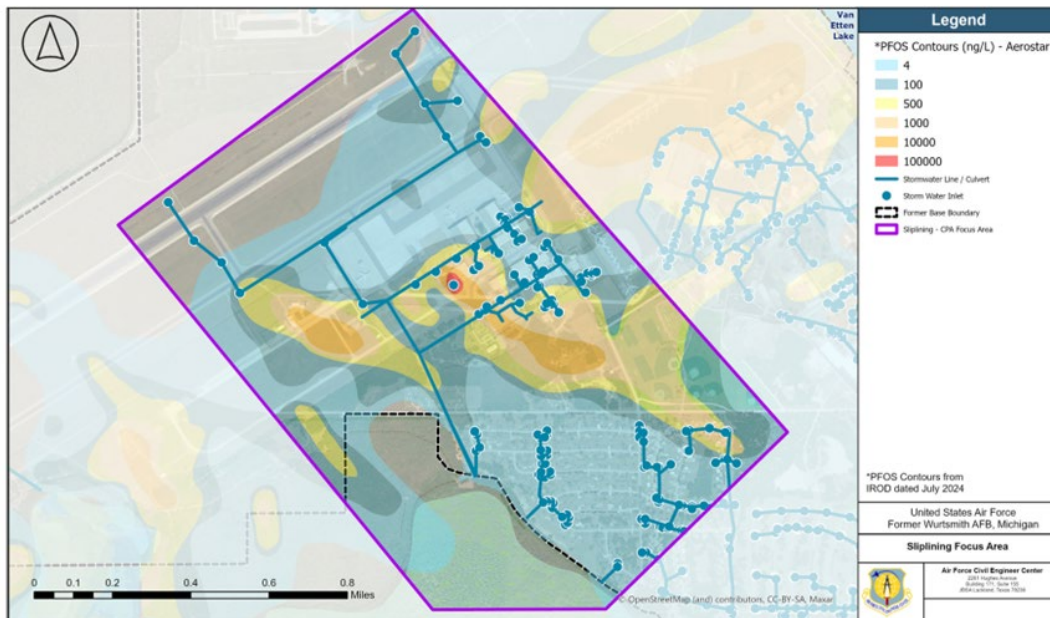
BRAC Cleanup Team (BCT) Update



- **Mar 2025 BCT meeting summary**
 - **Discussed the piezometers installed in Feb 2025 in Clark's Marsh near the Au Sable River while marsh/ground was frozen**
 - **Provided an overview of the treatment system and well maintenance program for Wurtsmith**
 - **Discussed the responses to EGLE comments on the Draft Final 2023 Annual Remedial Action-Operation report**
 - **Minutes and meeting materials in Oscoda library**

3 Pipes Stormwater Joint Sealing

- DAF is pursuing sealing approx. 1,200 linear feet of stormwater pipe known to have PFAS-impacted groundwater infiltrating into the pipe
- Oscoda Township owns the stormwater system



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3 Pipes Stormwater Joint Sealing



- **DAF drafting an Environmental Services Agreement to propose to Township**
 - **Township would contract for pipe sealing**
 - **DAF would pay for labor and materials**
 - **This arrangement would be similar to agreement DAF and Township used to slip line the stormwater pipe where the DAF's Mission system discharges treated water**
- **Joint sealing would be documented in an EE/CA and NTCRA memo**



Long Range Forecast PFAS RI thru RA



- Preliminary Characterization Summary Report under review
- Remaining work is progressing on schedule

PFAS Remedial Investigation thru Remedial Action	Calendar Year																			
	2025				2026				2027				2028				2029			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preliminary Characterization Summary Report	■	■	■																	
RI Data Gap Scoping and Contract Award	■	■	■																	
RI Data Gap Investigation QAPP Addendum				■	■	■														
RI Data Gap Investigation Fieldwork						■	■	■	■											
RI Report with Risk Assessment								■	■	■	■									
Feasibility Study										■	■	■	■							
Proposed Plan(s)											■	■	■	■						
Record(s) of Decision														■	■	■	■			
Remedial Designs																	■	■	■	■
Remedial Actions																				■

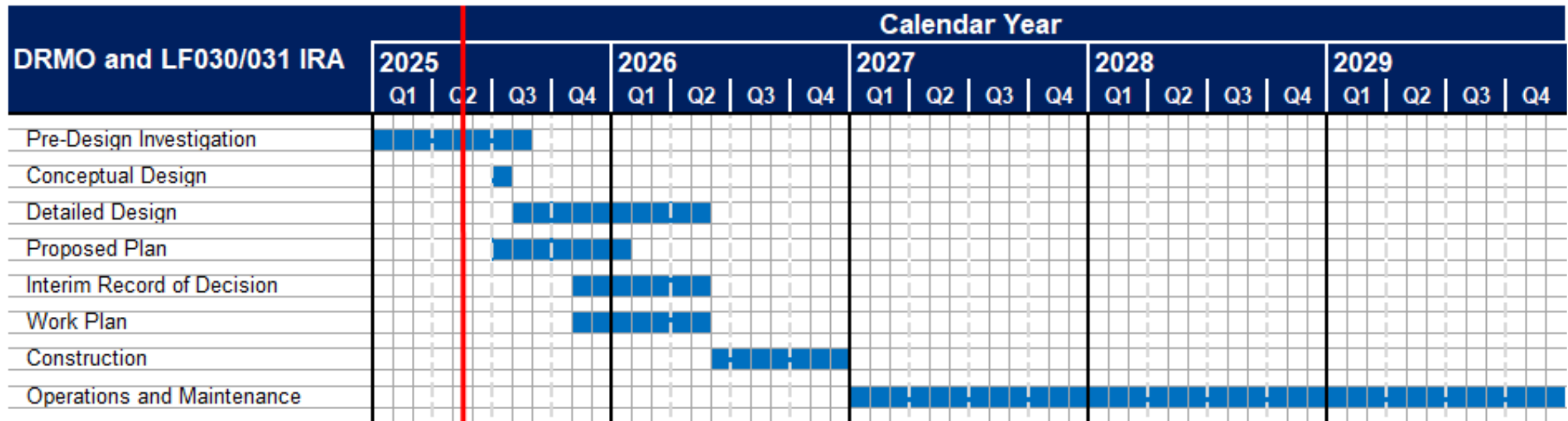
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Long Range Forecast DRMO & LF030/031 IRA



- Work is progressing on schedule



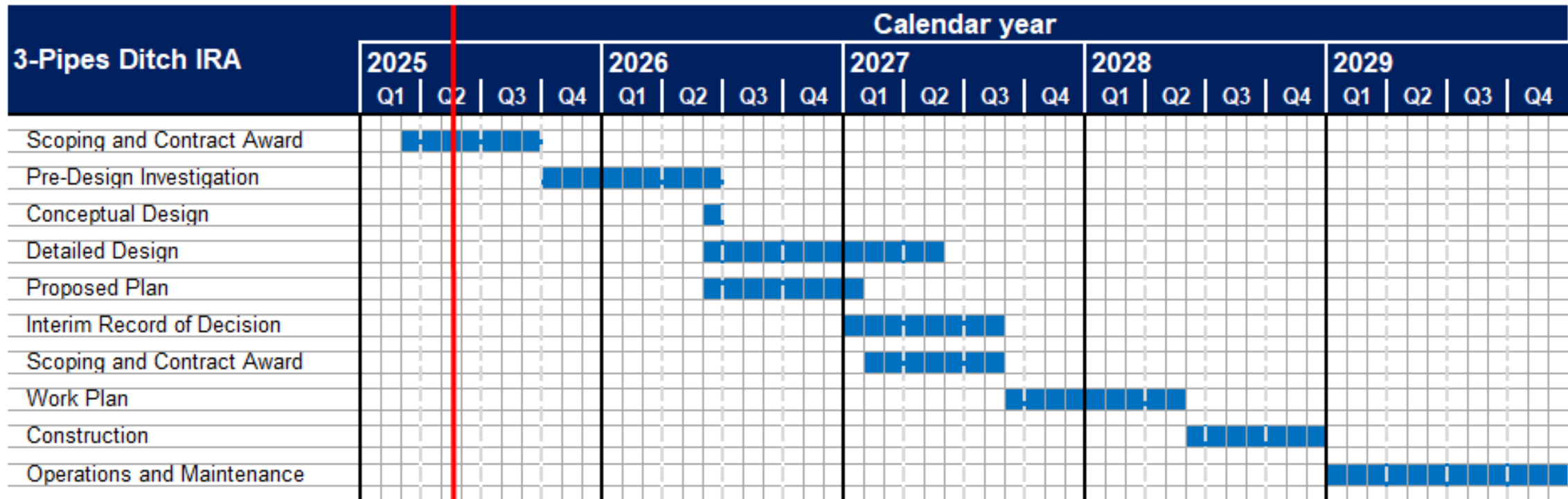
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Long Range Forecast 3-Pipes Ditch IRA



- Critical process analysis (CPA) recommended source area IRA
- Work is progressing on schedule



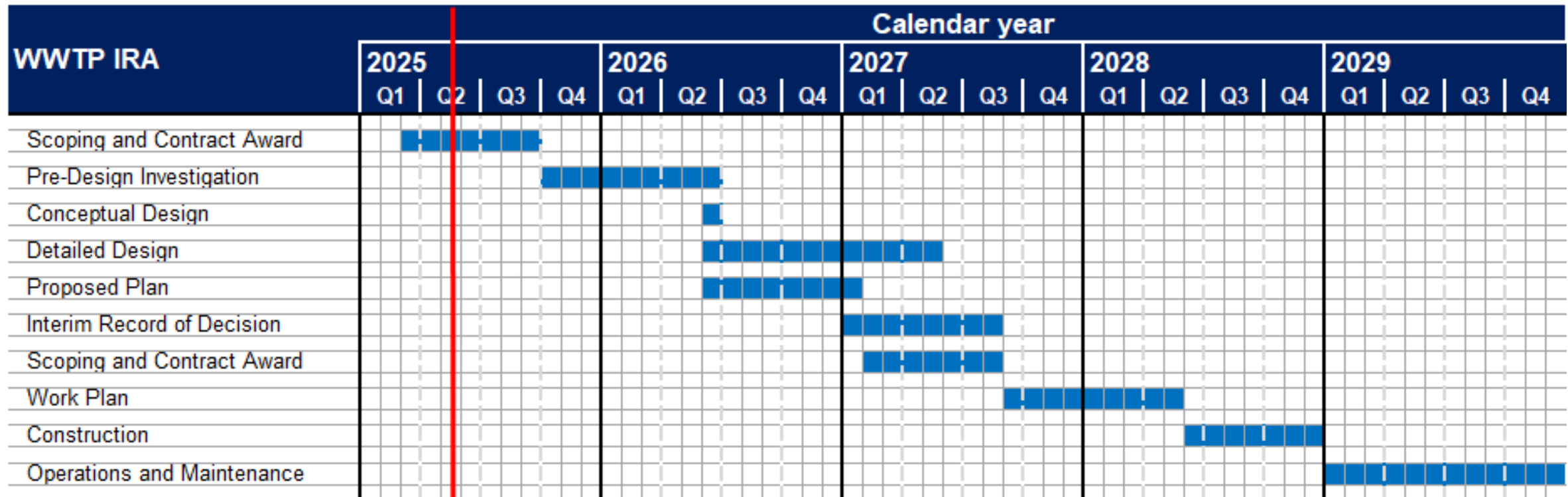
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Long Range Forecast Wastewater Treatment Plant IRA



- CPA recommended IRA
- Work progressing on schedule



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RAB Business

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- **All current community RAB member terms have expired**
 - Continued service will be confirmed during a roll call
- **One community vacancy exists**
 - Ballots distributed, completed, and returned to co-chairs during tonight's meeting
- **Community co-chair need to be elected by community RAB members**



- **Meeting Standards developed to support RAB meetings**
- **Draft standards distributed to RAB members for review**
- **Roll call vote tonight on adoption of Meeting Standards**



■ Action Items

- **Virtual meetings conducted typically 30 days after each RAB meeting**
 - Last meeting – 26 Mar 2025 at 6 p.m.
 - Next meeting – 25 Jun 2025 at 6 p.m.
- **Status since 19 Feb 2025 RAB meeting**
 - Opened 10: 167-175
 - Closed 9: 87, 88, 110, 120, 133, 142, 155, 156, 166
 - Ongoing 39: 96, 99, 102, 105-106, 109, 113, 116, 117, 119, 123-124, 131, 134, 144, 147-148, 152-154, 157-166



Unexploded Explosive Ordnance (UXO) and Land Use Control (LUC) Briefing

Lara Devine, WSP
Jim Hunt, WSP

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Why Are We Doing This?

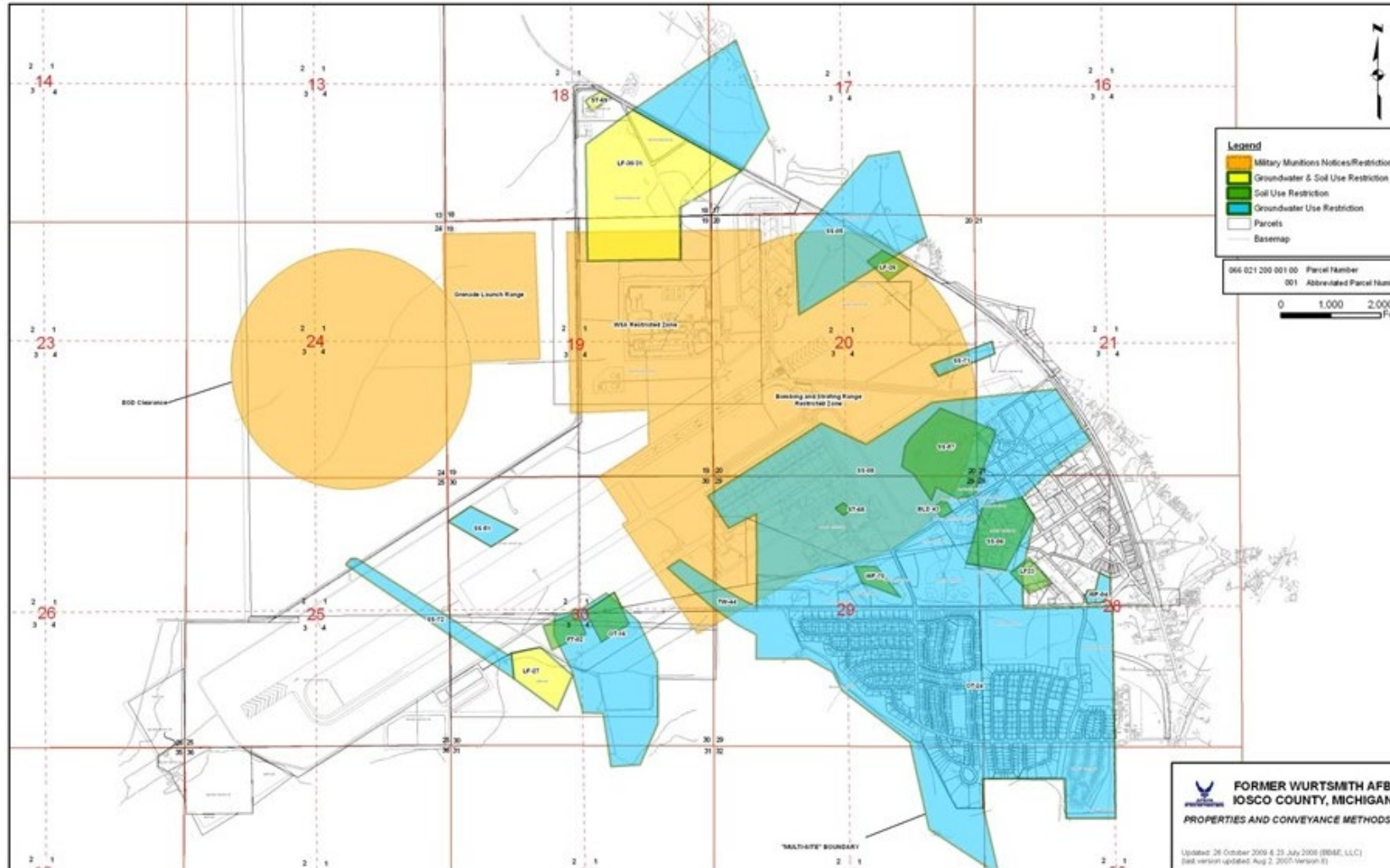


- **To inform personnel who are engaged in construction and other intrusive activities, as well as stakeholders on or around the former Wurtsmith AFB, about land use/deed restrictions in effect on and adjacent to the former base**
- **Required by decision documents issued by the Air Force to protect human health and the environment**
- **Munition awareness training, required by notices that have been placed on specified areas and that are officially recorded with the county**
- **Property owners are responsible for reviewing deed and declaration of restrictive covenant**

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Restricted and Notice Areas



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Typical LUC Restrictions



- **Groundwater Restrictions**
- **Land Use Restrictions**
 - Use of land limited to those allowed under Industrial uses as defined in the Oscoda Township and OWAA zoning ordinance
 - No land use change allowed without prior written consent of the Air Force
- **Excavation Restrictions**
- **Health and Safety Plan for Excavations/Soil-Disturbing Activities**
- **Contaminated Soil Management**
- **Maintain Soil Cover**
- **Restrictions on Activities that Disturb Foundation or Slab**
- **Construction Restrictions**
- **Prohibits Actions that Interfere with Remedy**
- **Comply with Federal, State, and Local Asbestos Laws**
- **Munitions and Explosives of Concern Notice (MEC)**



UXO-MEC Briefing Objectives



- **Learn identification features of MEC potentially encountered at Wurtsmith**
- **Learn that not every bomb looks like a bomb**
- **Understand that “practice” does not mean safe**
- **Learn the Three R’s**
 - **R**ecognize - when you may have encountered a munition and that munitions are dangerous.
 - **R**etreat - do not approach, touch, move or disturb it, but carefully leave the area.
 - **R**eport - call 911 and advise the police of what you saw and where you saw it.
- **Putting it into practice**

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Examples Only - Not from former Wurtsmith AFB



MK II Bomb



MK 13 Signal Flare



Small Practice Bomb



Practice 40 mm projectile
M781



20mm Projectile

**Note: to estimate diameter
1 inch equals 25.4
millimeters**



Retreat and Report



- **Do not disturb the item**
- **Call 911**
 - **This should put you in touch with the Oscoda Township Police Department (OTPD)**
- **Describe what you found and where it is**
 - **The OTPD will notify the Air Force**

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DO NOT...



- **Pick them up**
- **Put them in your vehicle**
- **Stick anything into them to see if they are empty**
- **Disturb Them**

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UXO-MEC Requirements



- **Be alert for munitions during ground disturbing activity**
 - **Plowing**
 - **Digging**
 - **Trenching**
- **On-site Explosive Ordnance Disposal support required for ground disturbing activities in former weapon storage area**
- **If the owner or user suspects a munition**
 - **Remember the 3R's**

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Web Resources



- 3R's Explosive Safety Education
 - www.denix.osd.mil/uxo
- Resources and information for
 - Kids and Families
 - Military Personnel
 - Communities
 - Workers



Not every bomb...
looks like
a bomb

If you see anything on the ground
that looks strange, be sure to stay away.
Tell a grownup to **call 911** and **report it**.

Bookmarks



Posters

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Questions/Comments



?

For further information:

CTI/WSP

3960 East Arrow Street, Oscoda, MI 48750

989-305-1111

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RAB

Member

Questions

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Public Comment Period



Guidelines

- 01** | **Indicate you want to make a comment (follow guidance)**
- 02** | **Wait until the facilitator states you can start your comment**
- 03** | **Three minute time limit**

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Public Comments

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Conclusion

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Upcoming RAB Meeting



- **Future RAB meeting schedule**
 - **20 Aug 2025**
 - **19 Nov 2025**
 - **18 Feb 2026**
 - **20 May 2026**

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Adjournment

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Backup



Restoration Advisory Board Rules



01	Respect one another and maintain an atmosphere of open dialogue and exchange of ideas
02	Use our time together efficiently, wisely and respectfully
03	Speak clearly and succinctly one person at a time; avoid interrupting others
04	Listen and remain open to different points of view
05	Maintain a propensity for progress: prepare, discuss, document and move forward
06	Share information early, openly and honestly
07	Accurately and objectively relay to others the discussions that occur at board meetings

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Acronyms

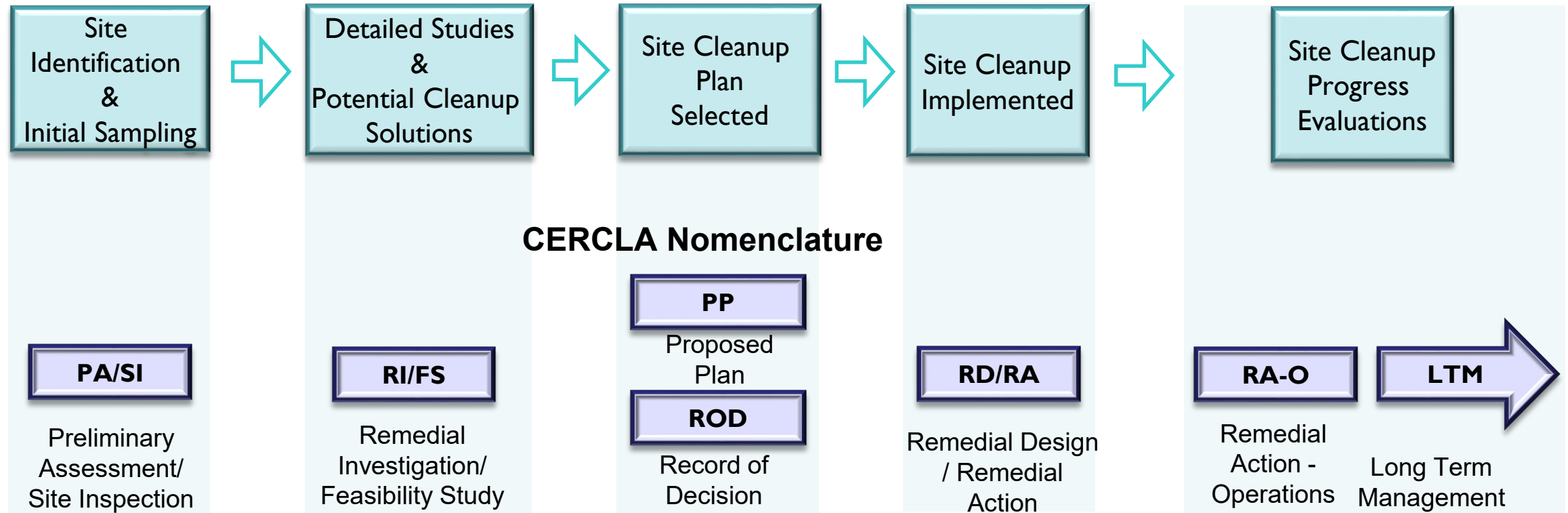


AFB	Air Force Base	RI	remedial investigation
BCT	BRAC Cleanup Team	UFP-QAPP	Uniform Federal Policy-Quality Assurance Project Plan
BECOS	BRAC Environmental Construction and Optimization Services	UXO	unexploded ordnance
BRAC	Base Realignment and Closure	VI	vapor intrusion
CPA	critical process analysis		
DAF	Department of the Air Force		
DGI	data gap investigation		
DRMO	Defense Reutilization and Marketing Office		
EE/CA	engineering evaluation/cost analysis		
EGLE	Michigan Dept of Environment, Great Lakes, and Energy		
EPA	Environmental Protection Agency		
IRA	interim remedial action		
LUC	land use control		
LTM	long-term management		
MEC	munitions and explosives of concern		
mm	millimeter		
NOW	Need Our Water		
NTCRA	non-time critical removal action		
OTPD	Oscoda Township Police Department		
OWAA	Oscoda-Wurtsmith Airport Authority		
PFAS	per-and polyfluoroalkyl substances		
PTS	pump and treatment system		
QA	quality assurance		
QAPP	Quality Assurance Project Plan		
RA	remedial action		
RAB	restoration advisory board		
RA-O	remedial action operation		

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CERCLA Overview



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