

Subject Meeting #13- Barnes Air National Guard Base (ANGB) Restoration Advisory Board (RAB)

Prepared by Kathryn Burns, Jacobs

Location Microsoft Teams **Date/Time** January 29, 2026, 6:00 p.m.

RAB Members	Additional Participants
Kathleen (Kathy) Hillman, community co-chair	Col Michael Glass, 104 FW Barnes ANGB
Mary O'Connell	Lt. Col. Sarah Sinclair, 104 FW Barnes ANGB
Dawn Thomas	Jen Baker, 104 FW Barnes ANGB
Chris Clark	Robert Lewis, National Guard Bureau (NGB) Restoration Program Manager (RPM)
Mary Ann Babinski	Tracy Williams Jr., USACE
Kristen Mello	Amanda Martin, USACE
	Jessica Wagner, EA Engineering
	Andrew Barton, Battelle
	Whitney Sauvé, USACE
	Thomas Keefe, Massachusetts Department of Environmental Protection (MassDEP)
	Dr. Danielle Hare, University of Massachusetts Amherst
	Amy Brand, Jacobs
	Kathryn Burns, Jacobs
	Carla Mykytiuk, Jacobs
	Johannah Phelan, Jacobs

A full list of attendees is provided in **Attachment A**.

The Barnes ANGB RAB Meeting No. 13 was held on January 29, 2026 via Microsoft Teams. The following notes summarize key discussions and decisions and are not a verbatim transcript. A copy of the slide presentation is provided in **Attachment B**.

1. RAB facilitator Amy Brand (Jacobs) opened the meeting with logistics (recording notice; RAB member questions after each topic; public questions held to the end; use of the Teams "Raise Hand" and Chat features).
2. Welcome & Introductions: Kathy Hillman (RAB Member Community Co-chair) thanked attendees and hoped to avoid further shutdown-related delays. Col. Michael Glass (104FW ANGB) introduced himself as the new Wing Commander and expressed interest in future in-person meetings.

3. RAB Business:
 - (1) Staffing transitions— Col. Michael Glass (104FW ANGB) replaces Col. Halasi-Kun; transition from Amanda Martin (USACE PM outgoing) to Tracy Williams, Jr. (USACE PM incoming); RAB facilitation transitioning from Amy Brand (Jacobs) to Carla Mykytiuk (Jacobs). Amy stated she will remain available and will forward emails to Carla.
 - (2) Operating Procedures were briefly reviewed (mission, role of members as community liaisons, respectful dialogue, and information sharing).
 - (3) July 24, 2025 meeting summary was approved for posting to the website/Admin Record.
 - (4) Upcoming 2026 RAB dates: April 23, July 23, October 29.
4. **Non-AFFF Due Diligence Study (EA)** – Jessica Wagner (EA Engineering) summarized results: 658 administrative record documents reviewed (with 11 primary references), 113 shops/locations identified, and 5 locations recommended for further evaluation of potential non-AFFF PFAS sources (e.g., descalers, lubricants, surfactants, detergents, pesticides). High-expansion foam systems in base hangars are locked out/tagged out; fire trucks use fluorine-free foam. Draft submitted Feb 2025; draft final Dec 2025; final due late Jan 2026. Kristen Mello (RAB Member) clarified that high-expansion foam with C6 chemistry was being used by a tenant in a municipal hangar (not by the City or the municipal airport itself); Jen Baker (104FW ANGB) committed to follow up with the Airport Manager.
5. **TAPP Grant Update (UMass Amherst)** – Lt. Col. Sarah Sinclair (104FW ANGB) noted the grant award to UMass Amherst; Dr. Danielle Hare (UMass Amherst) outlined the objective and approach: independent review focused on commingling risks, precursor transformation, transport from source to receptors, and up-to-date analytical/sampling strategies; findings planned for April 23, 2026 RAB.
6. **Environmental Restoration Program (ERP) Status** – Robert Lewis (NGB) reported Site 2 lease amendment completion (City of Westfield/DoD signed; MassDEP inspection imminent). RI Fieldwork (Battelle): Phase 1 surface soil sampling completed Sept 25, 2025 (79 samples across 8 AOCs; 0–2 ft bgs; EPA Method 1633). Of 40 PFAS analyzed, PSL exceedances occurred for PFOA, PFOS, and PFDA; background soil sampling pending access agreements.
7. Results Highlights from Phase 1 (per AOC overview maps): multiple PSL exceedances at AOCs 1–2 and 4–6; fewer/lower exceedances at portions of AOCs 3, 7–8. Team will “step-out” sampling to delineate to background or PSLs after background locations are completed.

8. **Schedule/Access:** Continuing access agreements with the City of Westfield, state entities, and private owners. Targeting monitoring well installation beginning Feb 2026 (weather/ground conditions permitting), followed by background soil, vertical aquifer, additional surface soil, and seasonal surface water/groundwater sampling (approximately Nov and May windows for hydrologic contrast).
9. **Discussion/Questions:**
 - (1) Data sharing – Chris Clark and Kristen Mello (RAB members) requested full digital (spreadsheet) dataset for all 40 PFAS; NGB/USACE committed to share after data validation and ER systems submission.
 - (2) AFFF fingerprinting – PFAS signature analysis is planned later in the RI to compare against AFFF databases.
 - (3) Off-base receptors – Sampling planned for Pond Brook and near Well 2 per the QAPP; access required.
 - (4) Soil/vegetation context – In response to questions from RAB members Chris Clark and Kristen Mello, the project team explained that approximately 20% of soils were analyzed for TOC and pH; notes differentiate paved vs. vegetated areas; shallow hand-auger soil beneath thick pavement generally not feasible; step-outs placed along likely drainage/perimeter.
10. **Closing/Next Steps:** Contact information and websites were shared. Co-chairs offered closing remarks; RAB thanked Amy Brand (Jacobs) for her service and wished her well on her upcoming surgery. Meeting adjourned at 7:18 p.m. EST.

Action Items:

- 1 Post the approved July 24, 2025 meeting summary to the website and Administrative Record.
- 2 NGB/USACE/Battelle to provide the validated PFAS dataset (all analytes) to the RAB in a spreadsheet format following data validation and submittal.
- 3 Jen Baker (104FW ANGB) to follow up with the Airport Manager regarding tenant high-expansion foam (C6 chemistry) and report back to the RAB.
- 4 Finalize remaining access agreements (City, State entities, private properties) to support RI fieldwork.
- 5 MassDEP to conduct Site 2 inspection (timing noted as imminent).
- 6 UMass Amherst (Dr. Hare) to prepare TAPP findings presentation for the April 23, 2026 RAB meeting.

Attachment A

RAB Meeting Attendees (attended online*, meeting was held virtually)

Last Name	First Name	Organization
Babinski*	Mary Ann	RAB member
Baker*	Jennifer	ANGB
Barton*	Andrew	Battelle
Barzyk*	Tom	BB&E
Belanger*	Todd	Parsons
Brand*	Amy	Jacobs
Brown*	Caitlin	USACE
Burns*	Kathryn	Jacobs
Cardona-Marek*	Tamara	MassDEP
Clark*	Chris	RAB member
Driscoll*	Ellie	USACE
Folan*	Dr. Dan	USACE
Freihofer*	Keith	NGB
Glass*	Col. Michael	Barnes ANGB Base Co-Chair
Greenberg*	Grace	USACE
Hare*	Danielle	UMass Amherst
Hare*	Jay	104FW PA
Hillman*	Kathleen	RAB member
Keefe*	Tom	MassDEP
Kosub*	Emma	DAWSON
Laube*	Jenna	NGB
Lewis*	Robert	NGB Remedial Project Manager
Martin*	Amanda	USACE
Mello*	Kristen	RAB member

Mullens*	Nathan	Affiliation unknown
Mykytiuk*	Carla	Jacobs
Narcisi*	Michael	USACE
Oscan*	Jane	RAB member
Phelan*	Johannah	Jacobs
Rocus*	Barbara	RAB member
Sauve*	Whitney	USACE
Scala*	Carolyn	Batelle
Shaw*	Caprice	MassDEP
Sinclair*	Col. Sarah	Barnes ANGB
Thomas*	Dawn	RAB member
Wagner*	Jessica	EA Engineering
Williams, Jr. *	Tracey	USACE
Zelenevich*	Max	Batelle



Barnes Air National Guard (ANG) Base Restoration Advisory Board Meeting #13 January 29, 2026



Agenda



- 6:00 PM Agenda Review and Meeting Logistics
- 6:05 PM Welcome and Introductions
- 6:10 PM RAB Business
- 6:30 PM Non-AFFF Due Diligence
- 6:45 PM Environmental Restoration Program Status Update
- 7:15 PM Public Questions and Comments
- 7:25 PM Closing Remarks
- 7:30 PM Adjourn



Meeting Logistics

Amy Brand

Jacobs

RAB Facilitator



Meeting Guidelines

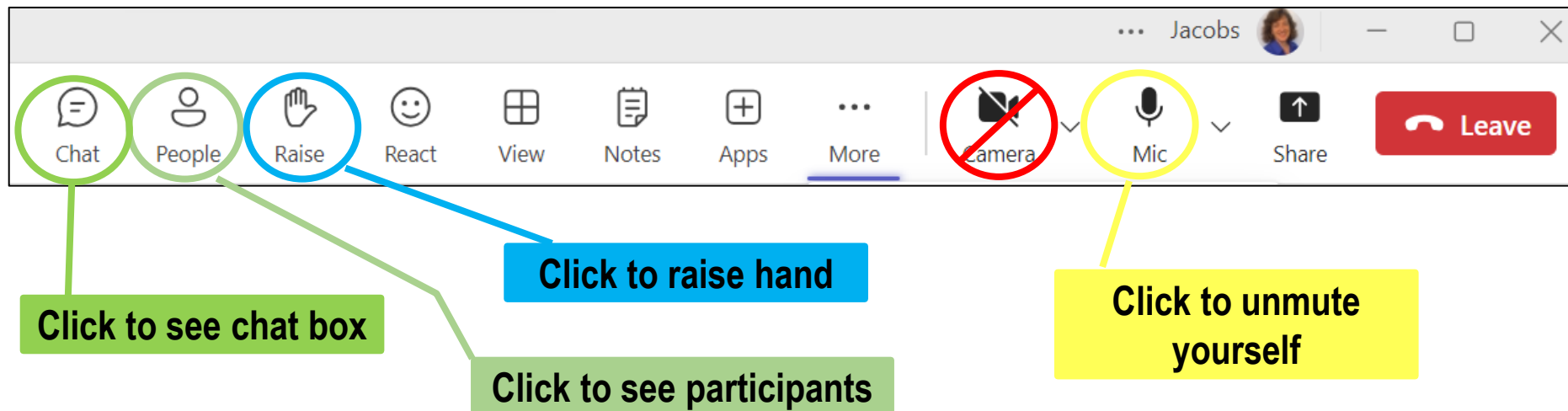


- Please note that this meeting is being recorded
- RAB Members
 - Ask questions at the end of each topic
 - Raise hand to be called on to speak
 - Introduce yourself so that everyone knows who is speaking
 - Please observe a 2-minute limit to enable other RAB members to participate.
- Public Participants
 - Hold questions to the end of the meeting
 - Submit questions through the “chat feature”
 - Questions will be read and addressed at the end of the meeting



MS Teams - Computer

- Camera – **Turn OFF** to save bandwidth – presentation will be on screen
- Participants – On the lower right, click on **Participants** to open panel
- To ask a question:
 - RAB Members - **Raise hand** to be called on to speak, **unmute** yourself when called on
 - Public participants – Use **Chat** to type your question





MS Teams Basics – Telephone Participants



- Follow along on the slide presentation (emailed or download from 104th Fighter Wing website at <https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>)
- Use your phone mute button when not speaking
- Dial *5 to raise hand to be called on to speak after the presentation
 - Use *6 or your phone mute button to unmute and identify yourself when asking a question or making a comment
- Any RAB members using a phone? Please identify at beginning of meeting



Welcome and Introductions

Kathy Hillman, Community Co-Chair

Col. Michael Glass, Base Co-Chair



Welcome and Introductions



Air National Guard Team

Col. Michael Glass (Base Co-Chair)

Robert Lewis, National Guard Bureau

Jennifer Baker, 104th FW Environmental Coordinator

Contractors: BB&E, EA, Dawson, Jacobs

Community RAB Members

Kathleen Hillman, Community Co-Chair

Mary Ann Babinski

Chris Clark

Sandi Gil

Kristen Mello

Mary O'Connell

Jane Okscin

Representative Kelly Pease

Dawn Thomas

Senator John Velis

Massachusetts Department of Environmental Protection

Caprice Shaw

Thomas Keefe

Tamara Cardona-Marek, PhD

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Welcome and Introductions



U.S. Army Corps of Engineers (USACE) Team

Tracy Williams, Project Manager/ Technical Lead

Grace Greenberg, Risk Assessor

Caitlin Brown, Project Chemist

Mike Narcisi, Wetland Ecologist/Soil Scientist

Dan Folan, PhD, PG, LSP, Geologist/Hydrogeologist

Whitney Sauv , PE, Environmental Engineer

SRS-Battelle JV Team (USACE Contractor)

Andrew Barton, Battelle, Project Manager

James Griffin, SRS, Deputy Project Manager

Max Zelenevich, Field Lead

Contractors

Tom Barzyk, BB&E

Emma Kosub, Dawson

Craig Johnson, EA

Amy Brand, Carla Mykytiuk, Kathryn Burns, Jacobs



RAB Business

Amy Brand, Jacobs

Robert Lewis, National Guard Bureau

Lt Col Sinclair, Barnes Air National Guard

Jessica Wagner, PhD, EA



RAB Updates



- Staffing Transitions
 - Base Co-Chair – Col. Michael Glass
 - USACE Project Manager – Tracy Williams
 - Facilitator – Carla Mykytiuk
- Review of Operating Procedures
- Meeting Summary Review and Approval
- Upcoming Meetings



RAB Mission and Purpose

- **Mission Statement:** The Barnes ANG RAB's mission is to establish and maintain a forum with local stakeholders for the exchange of information and ideas in an open and interactive dialogue concerning the Barnes ANG Base's ERP, specifically for per- and polyfluoroalkyl substances (PFAS)
- **RAB Purpose:** The purpose of the RAB is to provide opportunities for the community to be involved throughout the ERP. RAB members will have the opportunity to:
 - Learn about the ERP at the Base.
 - Share input, concerns, and interests with the project managers and agencies involved in the cleanup.
 - Provide positive, solution-focused input.
 - Review and comment on technical documents.
 - Discuss and provide input on cleanup decisions.
 - Serve as a community liaison, providing information from the RAB meetings to the community and information from the community to the RAB.
 - And more... see pages 1-2 of the operating procedures



RAB Guiding Principles

- PFAS chemicals used at Barnes ANG Base were used, handled, and disposed of in accordance with DoD policies and regulations at the time of use. Releases to the environment may have occurred as a result of authorized use. No malicious intent or deliberate misuse or disposal occurred.
- Environmental investigation and restoration of releases at Barnes ANG Base will be conducted in accordance with CERCLA and DoD (specifically Air Force and ANG) policy, regulations, and guidance; with MassDEP oversight and regulation.
- All members of the RAB, acting on behalf of both the installation and the community, serve in good faith with the goal of reaching resolution on the investigation and remediation of past environmental releases from Barnes ANG Base.
- No members of the RAB, either representing the installation or the community, have any more power or influence over operation of the RAB than any other members.



RAB Ground Rules and Operating Procedures



- Community Co-Chair: primary point of contact for Community RAB Members
- There is only one meeting; no side conversations, no cell phone use (unless used to look up information to be shared with the group.)
- Meetings will adhere to the topics on the agenda. Members may raise topics for future meetings.
- All dialogue will be respectful. Disrespect produces defensiveness; defensiveness does not contribute to progress. (Note: Respectful dialogue deals with the particulars of the situation without impugning individuals, their motives, or their organizations.)
- No surprises. If a RAB member has information relevant to an agenda item, he or she will share it with all RAB members before the meeting.
- No secrets. All relevant information concerning the site will be shared by all parties, except where privacy or security requirements apply. Information dissemination is one of the major responsibilities of all RAB members.



RAB Business

- Meeting summary – comments and approval
- Upcoming meetings
 - Fourth Thursday of the month, every 3 months: January, April, July, October
 - Adjustments to be made when needed
 - Upcoming meetings: April 23, 2026
 July 23, 2026
 October 29, 2026



RAB Member Discussion



- Please raise your hands and unmute yourself when recognized.
- Introduce yourself at the beginning of your question or comment.
- Please limit questions to 2 minutes to give other RAB members an opportunity to participate.



Barnes ANGB Non-AFFF Due Diligence

Robert Lewis
National Guard Bureau

Jessica Wagner, PhD
EA Engineering, Science, and Technology Inc., PBC



Barnes ANGB non-AFFF PFAS Due Diligence



The Team

- U.S. Army Corps of Engineers (USACE), Omaha District
- Air National Guard (ANG)
- EA Engineering, Science, and Technology, Inc., PBC (under contract to USACE)

Project Objectives

- Determine whether and where potential sources of PFAS other than AFFF, were stored, handled, used or released
- Identify if a potential PFAS release warrants further investigation or if no further PFAS investigation, study, or cleanup is warranted

Project Tasks

- Conduct historical records search of documents such as Environmental Baseline Surveys
- Interview personnel familiar with the history and operations of the base
- Determine if potential or identified releases of PFAS due to ANG activities require additional investigation
- Prepare research reports for each ANG installation



Barnes ANGB non-AFFF PFAS Due Diligence



Research Summary:

- Administrative Record Documents digitally searched 658 documents/reports, reviewed other applicable documents, 11 primary documents evaluated
- Over 113 shops/locations within Barnes ANGB
- Barnes ANGB Environmental Manager was interviewed
- 5 shops/locations recommended for further evaluation

Schedule

- Draft Due Diligence Report submitted February 2025
- Draft Final Due Diligence submitted December 2025
- Final Due Diligence to be submitted January 2026



RAB Member Discussion



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Barnes ANGB Technical Assistance for Public Participation (TAPP) Grant

Lt Col Sinclair
Barnes Air National Guard

Danielle Hare, PhD
UMASS-Amherst



Technical Assistance for Public Participation (TAPP) Grant



- FY25 TAPP Grant (#3)
 - Awarded September 2025
 - University of Massachusetts, Amherst
 - The Impacts of Co-Contaminants and Previous Remedial Treatments on PFAS



RAB Member Discussion



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Environmental Restoration Program Status Update

Robert Lewis
National Guard Bureau
Restoration Program Manager



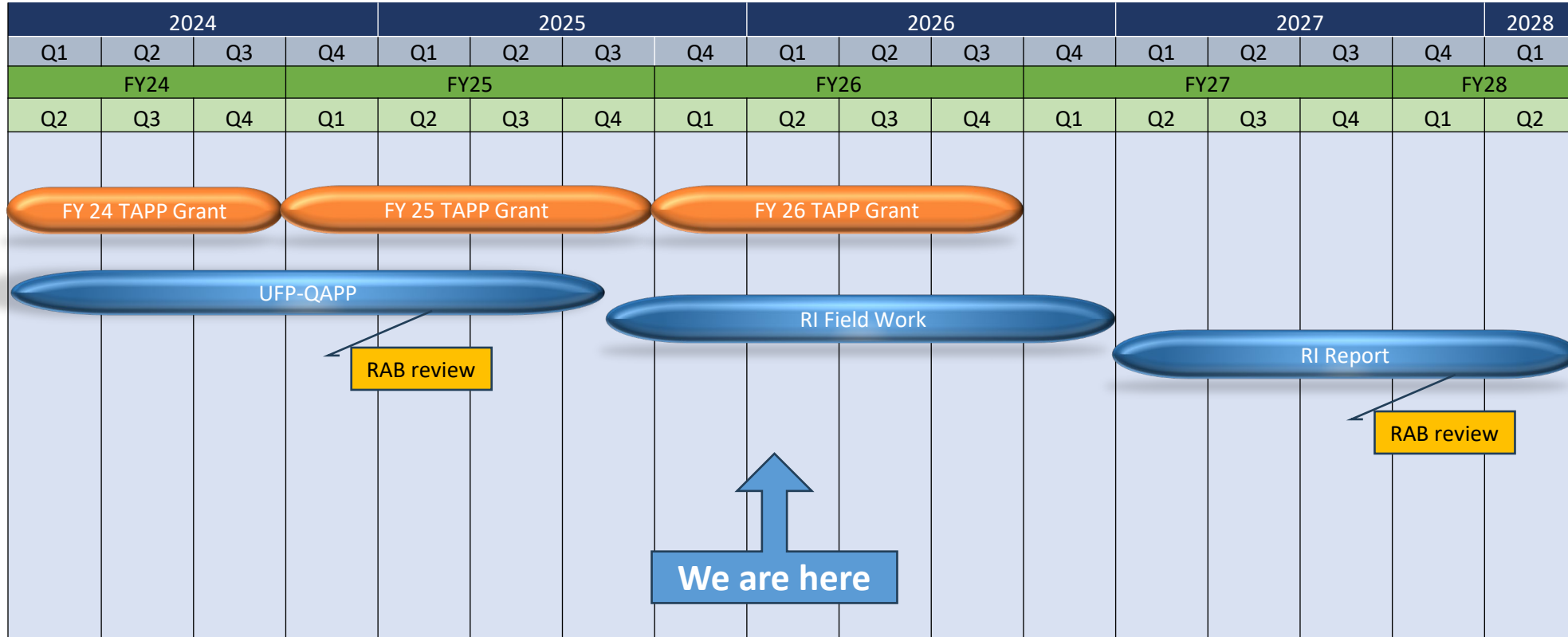
Environmental Restoration Program



- Site 2 Current Status (No Update)
 - Lease Amendment signed by all parties
- PFAS Remedial Investigation (RI)
 - Completed Round 1 on-Site surface soil sampling September 2025
 - Continuing to work Access Agreements
 - Upcoming Field Work planned for late winter/spring 2026



Barnes Restoration Calendar





Project Fieldwork Scope

- Site Access Agreements
- Permit compliance
- Utility location
- Surface soil sampling
- Subsurface soil sampling
- Surface water and sediment sampling
- Vertical aquifer sampling (VAS) (groundwater)
- Groundwater monitoring well installation
- Borehole geophysical logging
- Piezometer installation
- Monitoring well development
- Groundwater sampling
- Groundwater and surface water elevation monitoring
- Location surveying
- Habitat assessment
- Investigation-derived waste management and disposal
- Field record management and reporting

Green = in progress

Yellow = next steps

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Surface Soil Sampling

- Surface soil sampling performed in September 2025 as outlined in the Quality Assurance Project Plan (QAPP)
- Samples collected from 8 Areas of Concern (AOCs)
 - Total of 79 samples collected; between 8 and 13 samples per AOC
 - Samples located spatially in area where PFAS impacts are anticipated
 - Samples collected from 0 to 2 ft below ground surface
- Samples analyzed for PFAS using EPA Method 1633; data validated
- Sample data compared to project screening levels (PSLs) as presented in the QAPP
 - PSLs based on EPA Regional Screening Levels (RSLs) for residential soil
- PSLs exceeded for PFOA, PFOS, and PFDA only
- Background surface soil samples to be collected once access agreements are finalized



Round 1 Surface Soil Sampling Results



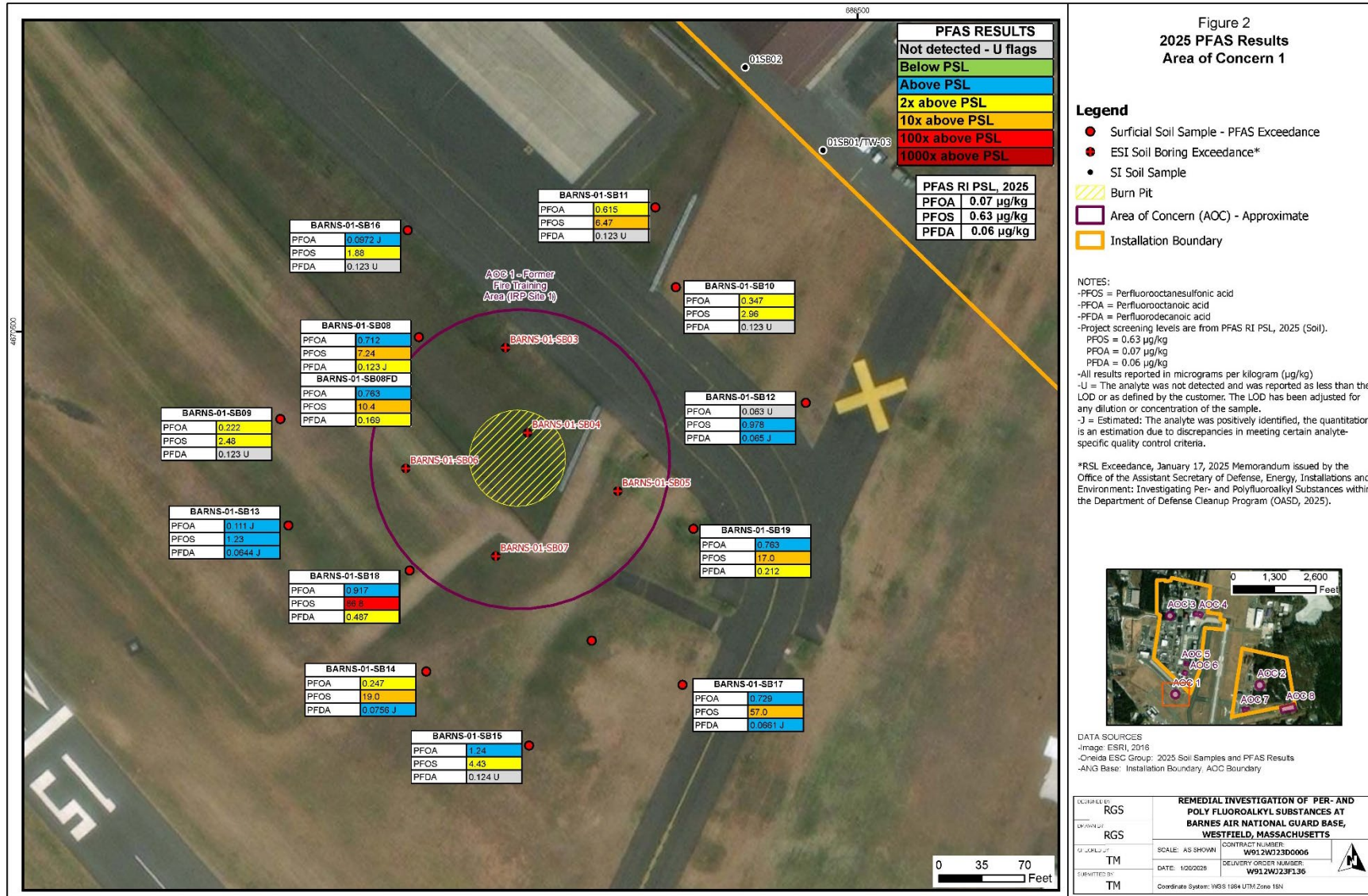
Area	No. of Samples Collected	PFOA		PFOS		PFDA	
		No. >PSL	Max.	No. >PSL	Max.	No. >PSL	Max.
AOC 1	13	12	1.24	13	86.8	7	0.487
AOC 2	10	10	3.37	10	21.9	1	0.0701
AOC 3	8	5	0.743	2	1.35	0	ND
AOC 4	8	5	9.15	8	12.7	7	0.285
AOC 5	10	9	36.9	10	74.4	9	0.458
AOC 6	10	10	2.01	10	444	9	0.646
AOC 7	11	9	0.871	3	7.92	2	0.124
AOC 8	9	4	0.284	7	48.7	2	0.160
PSL		0.07		0.63		0.06	

Notes: Round 2 surface soil and subsurface soil borings will be drilled based on Round 1 surface soil results.

All concentrations reported in µg/kg.

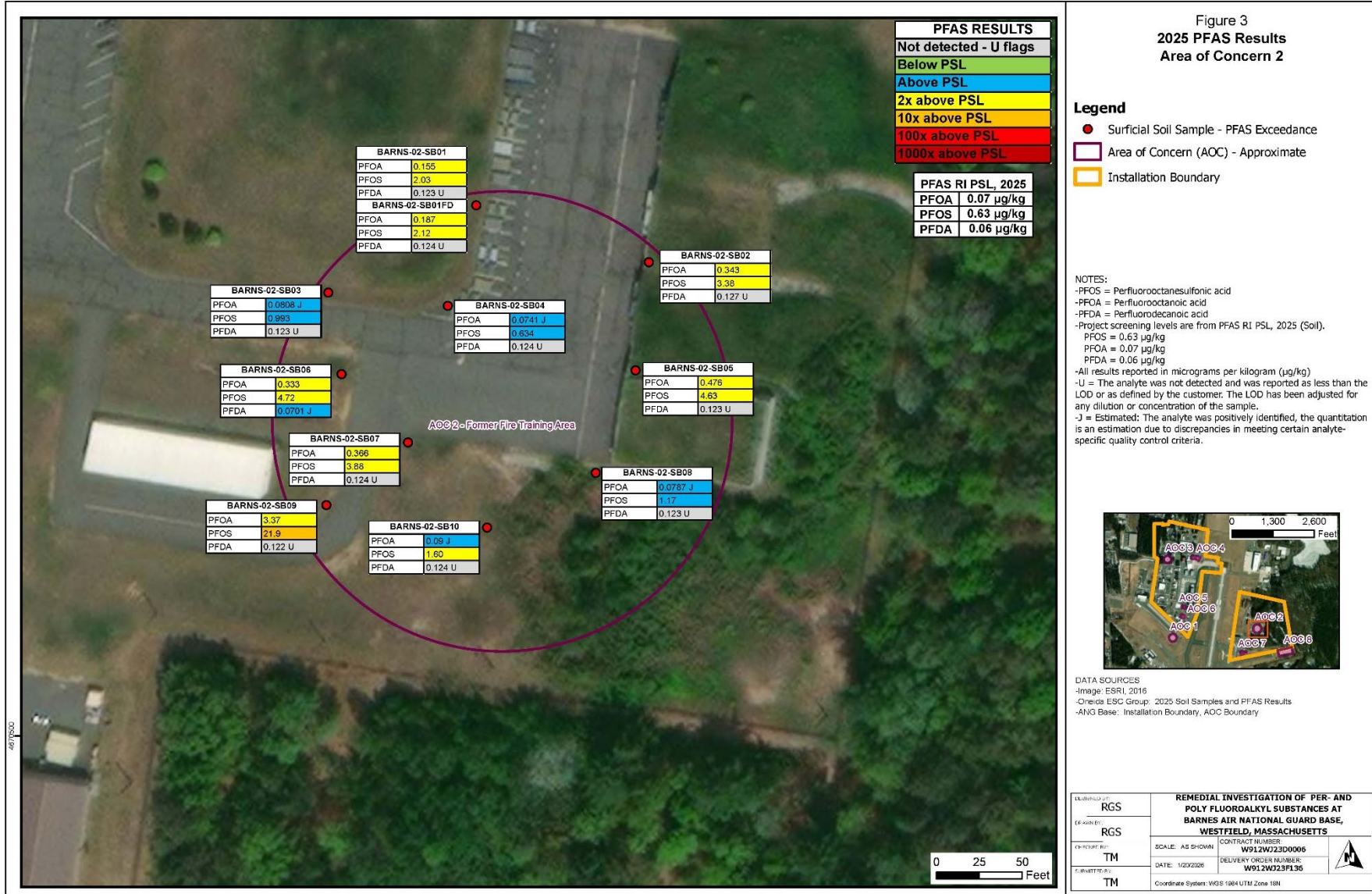


Round 1 Surface Soil Results – AOC 1



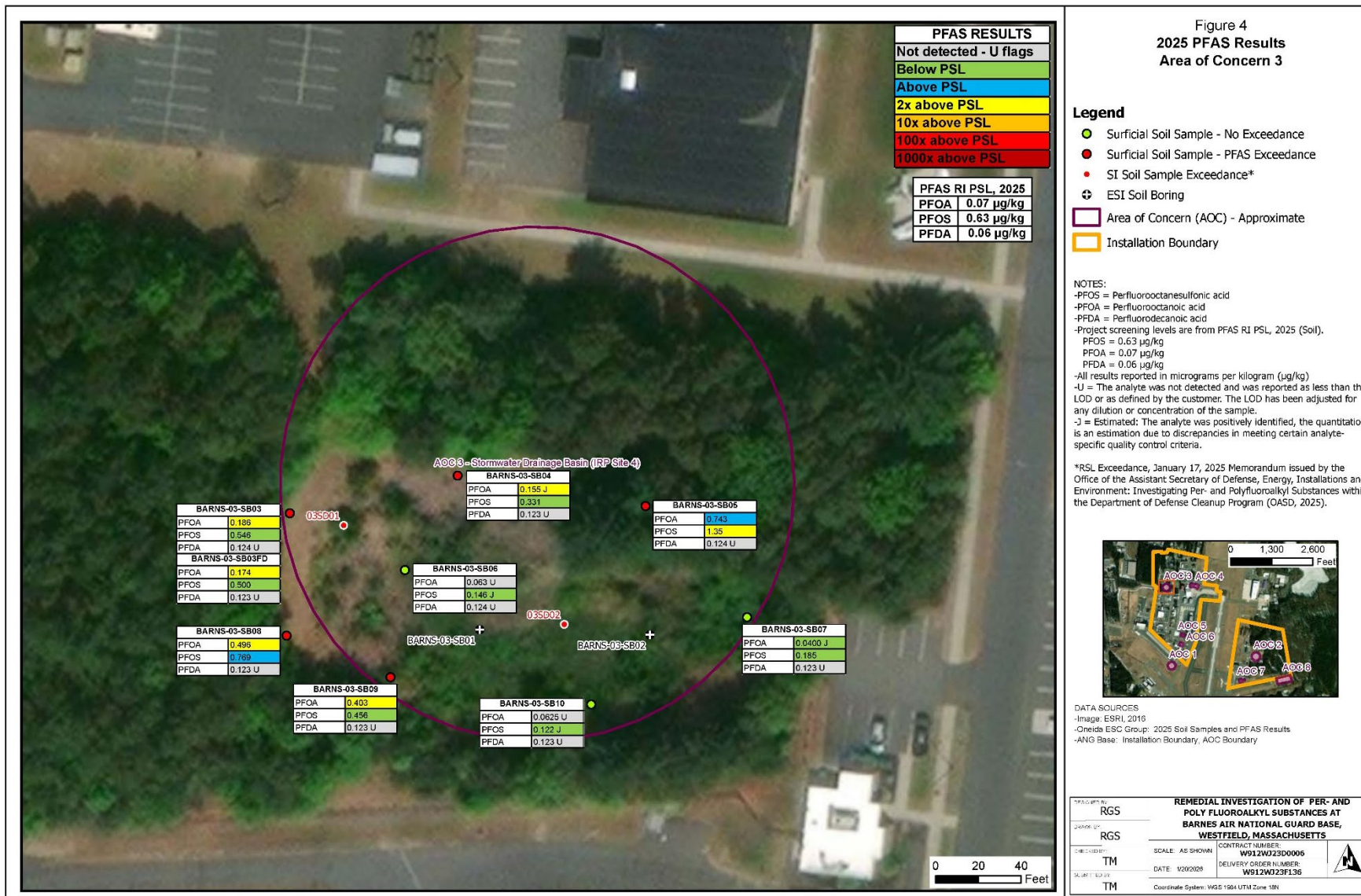


Round 1 Surface Soil Results – AOC 2



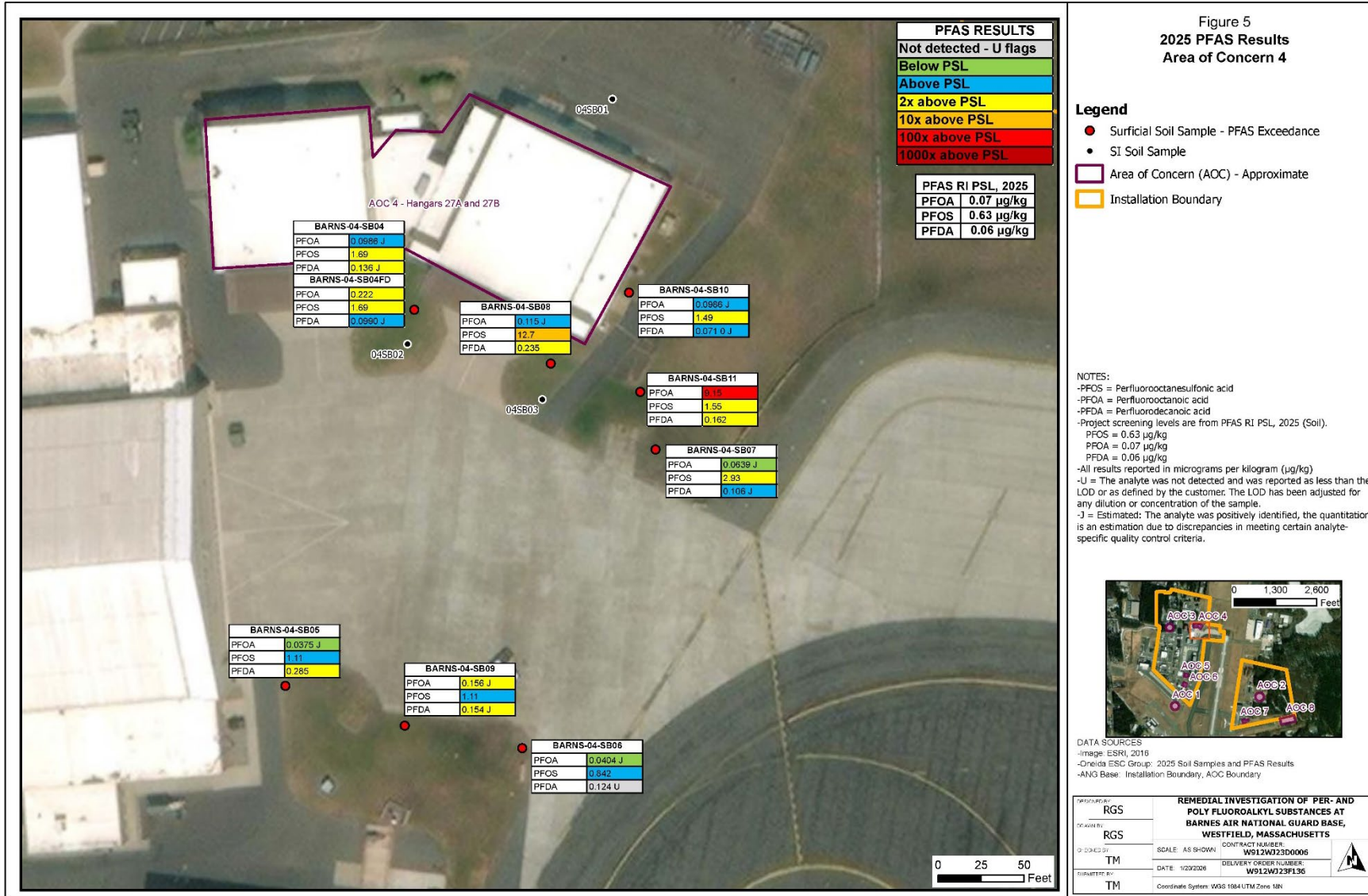


Round 1 Surface Soil Results – AOC 3



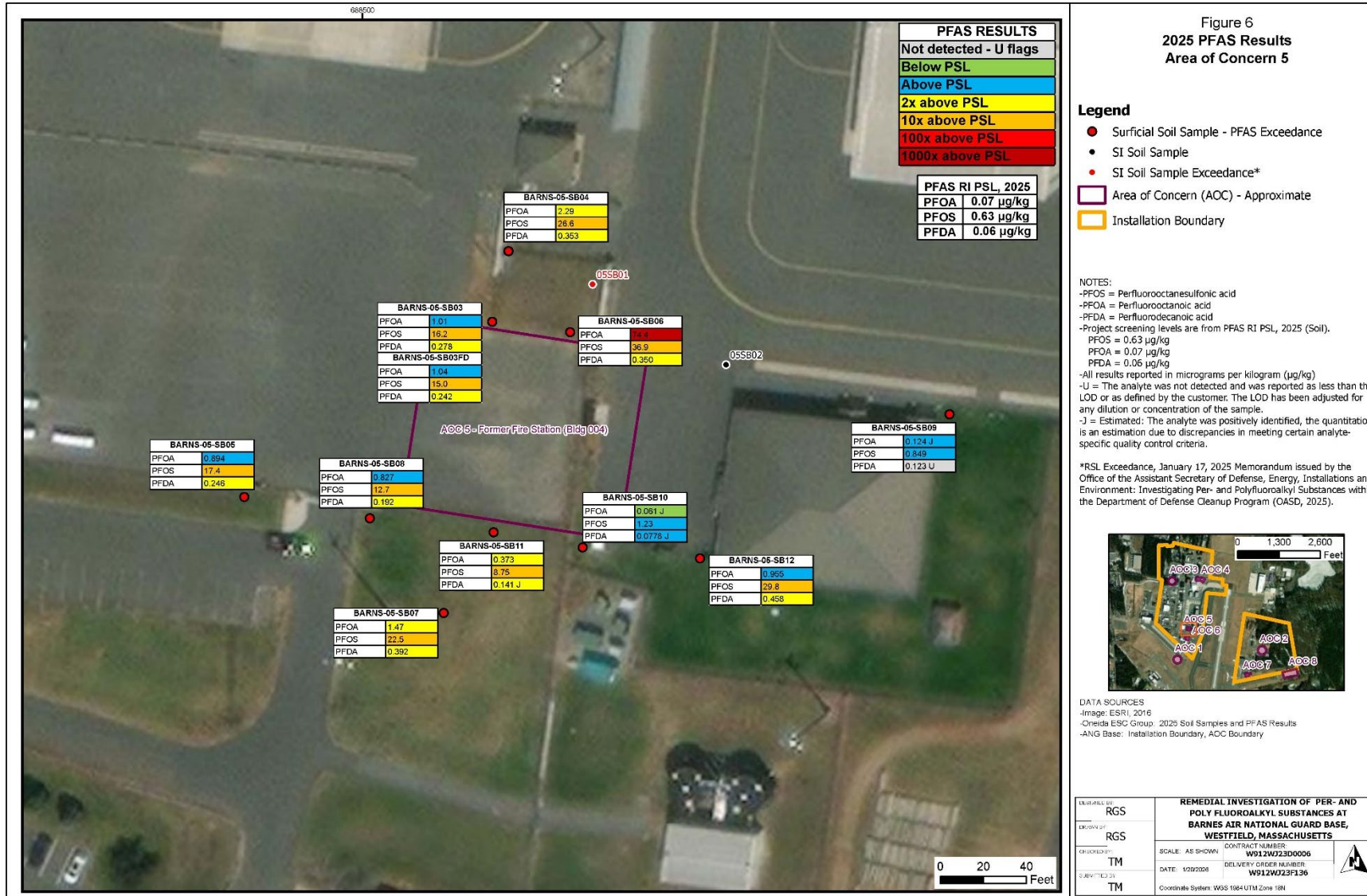


Round 1 Surface Soil Results – AOC 4



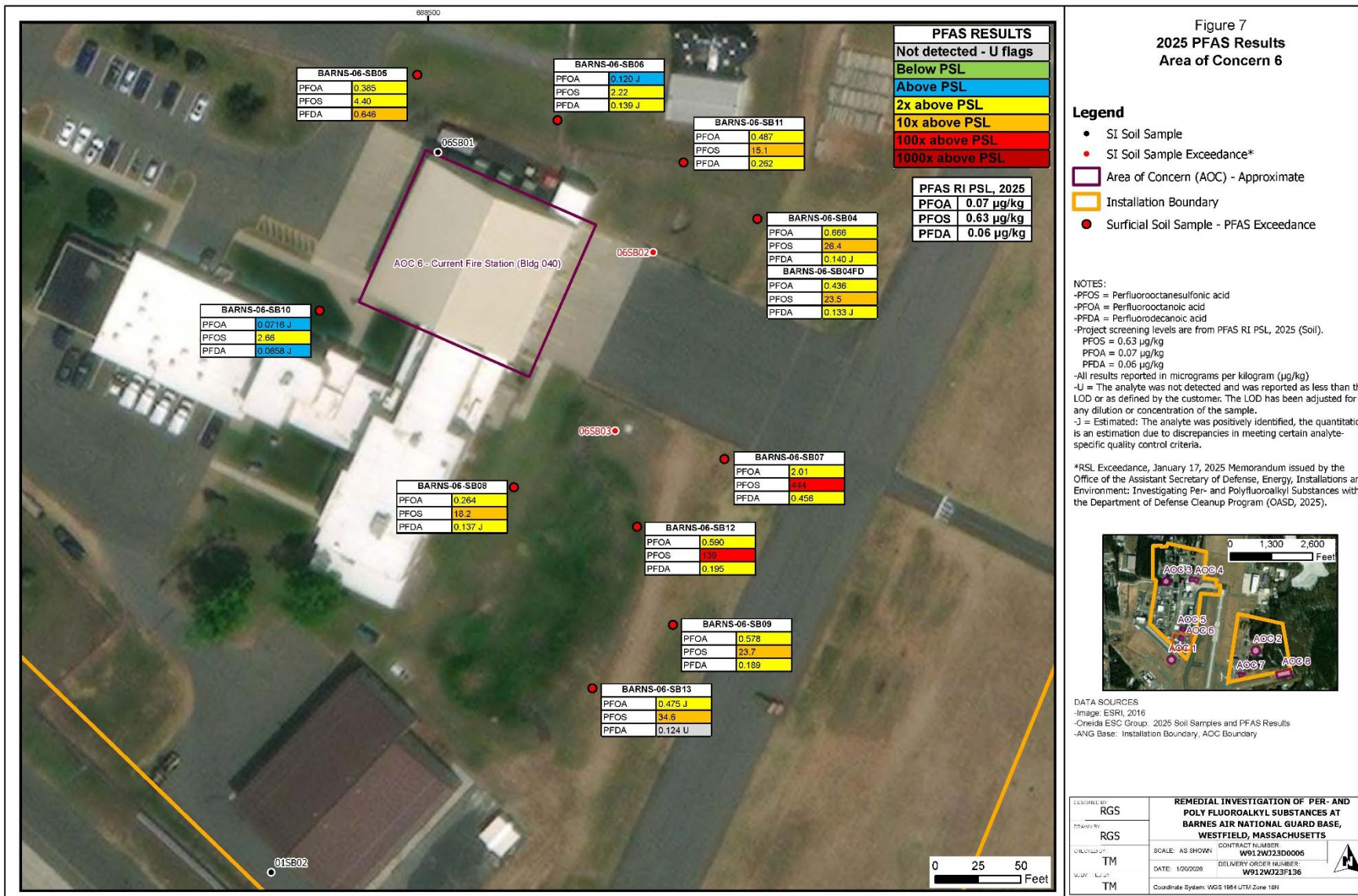


Round 1 Surface Soil Results – AOC 5



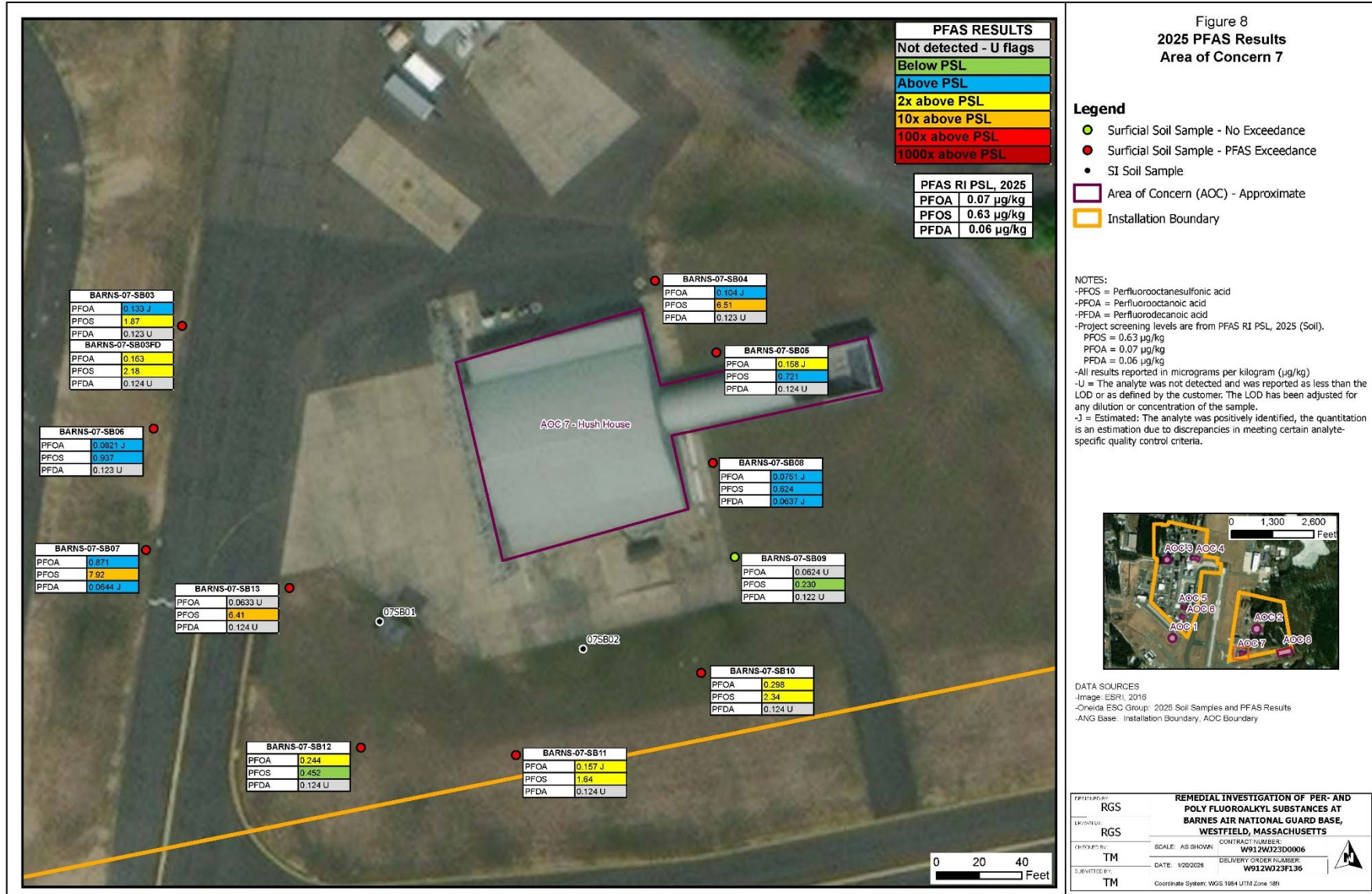


Round 1 Surface Soil Results – AOC 6



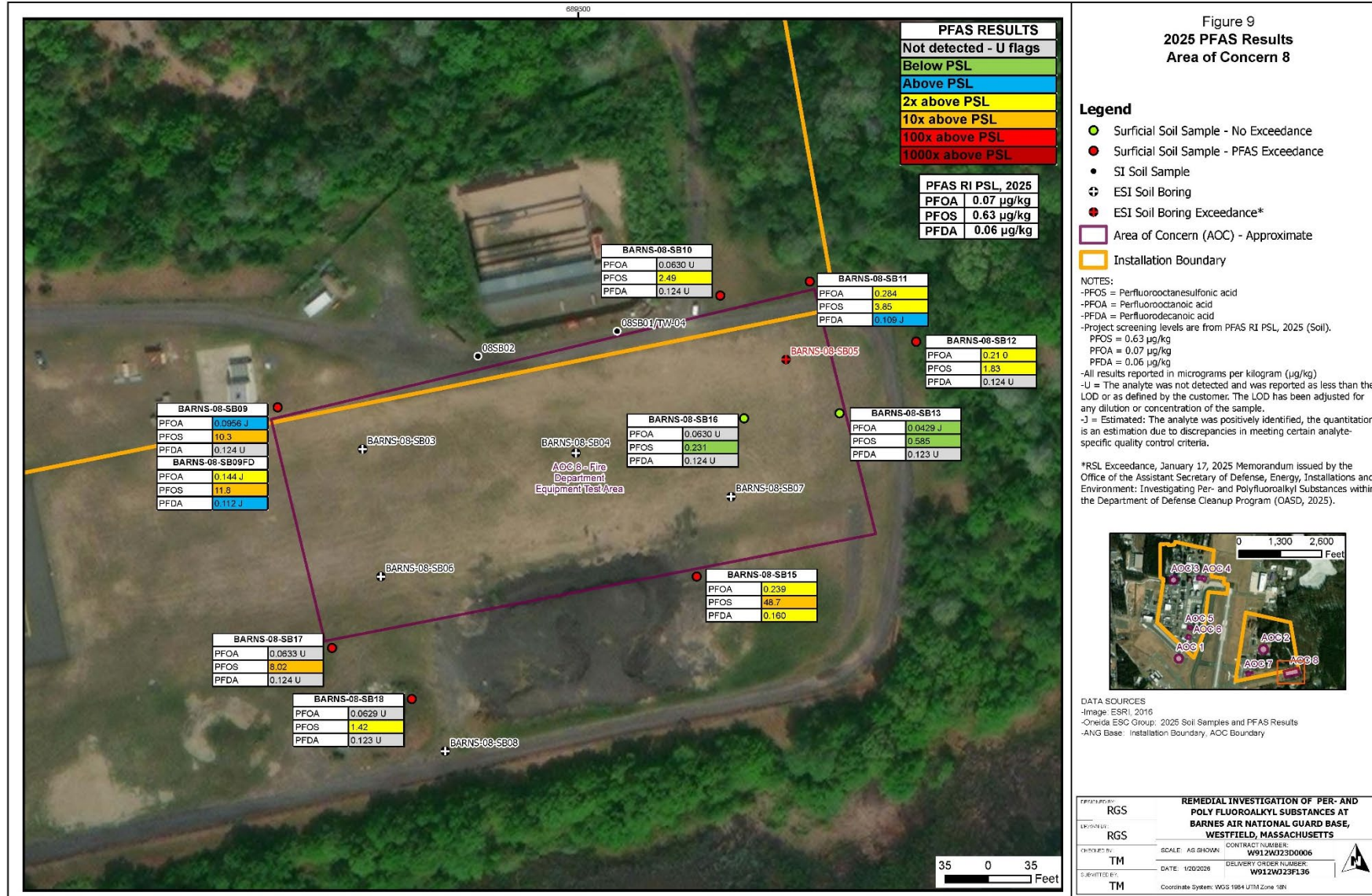


Round 1 Surface Soil Results – AOC 7





Round 1 Surface Soil Results – AOC 8





Project Fieldwork Schedule

Activity	Schedule
Access agreements & permits	Ongoing
Utility location	September 2025-ongoing
Surface soil sampling, round 1	September 2025 (complete)
Background surface soil sampling*	March 2026
Vertical aquifer sampling (VAS)*	March 2026
Surface soil sampling, round 2	April 2026
Piezometer installation*	April 2026
Surface water/sediment sampling, round 1*	May 2026
Monitoring well installation and sampling*	February 2026 – July 2026

* Pending Access Agreements



Project Fieldwork Schedule (cont.)

Activity	Schedule
Subsurface soil sampling, round 1	June 2026
Subsurface soil sampling, round 2	August 2026
Groundwater sampling, round 1*	November 2026
Surface water/sediment sampling, round 2*	November 2026
Habitat Assessment	May 2026
Groundwater sampling, round 2*	May 2027

* Pending Access Agreements



RAB Member Discussion



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- Please limit questions to 2 minutes to give other RAB members an opportunity to participate.



Public Questions and Comments





Contact Information



104th Fighter Wing, Barnes Air National Guard Base

Base Co-Chair
Commander
Col. Michael Glass

Environmental Manager
Jennifer Baker

Public Affairs Manager
Jay Hewitt
(413) 568-9151 x 698-1202
Jerry.hewitt@us.af.mil

Community Co-Chair

Kathleen Hillman khillman179@gmail.com

RAB members, please submit questions and comments through your Community Co-Chair

National Guard Bureau

Program Manager
Robert Lewis
(240) 612-8473
robert.lewis.100.ctr@us.af.mil

Massachusetts Department of Environmental Protection

Thomas Keefe
(857) 268-0408
Thomas.keefe@mass.gov

Jacobs Facilitator

Carla Mykytiuk
(847) 708-4878
Carla.Mykytiuk@jacobs.com



Websites for More Information



Environmental Restoration Program at 104th Fighter Wing

- General and Links to PFOS/PFOA Information: <https://www.104fw.ang.af.mil/About/Environmental/>
- Restoration Advisory Board: <https://www.104fw.ang.af.mil/About/Restoration-Advisory-Board/>

Relative Risk Site Evaluation (RRSE)

- Barnes RRSE: https://www.104fw.ang.af.mil/Portals/5/Barnes_RRSE%20Fact%20Sheet%20and%20Scoring%20Summaries_211215.pdf
- RRSE Primer: https://www.denix.osd.mil/references/dod/policy-guidance/relative-risk-site-evaluation-primer/RRSE_Primer_Summer1997.pdf

104th Fighter Wing Environmental Administrative Record

- <https://ar.afcec-cloud.af.mil/Search.aspx> (Select ANG radio button, select Barnes, and click on search)

MassDEP PFAS Information

- <https://www.mass.gov/info-details/per-and-polyfluoroalkyl-substances-pfas>

Westfield Water Department PFAS Information

- <https://www.cityofwestfield.org/672/PFCs-Information-Updates>

RAB Rule Handbook and Information on Technical Assistance for Public Participation

- <https://www.denix.osd.mil/rab/home/>

Air Force Response to PFOS and PFOA

- <https://www.afcec.af.mil/WhatWeDo/Environment/Perfluorinated-Compounds/>



Closing Remarks

Kathleen Hillman
Col. Michael Glass



Adjourn