

Welcome to the RAB Meeting



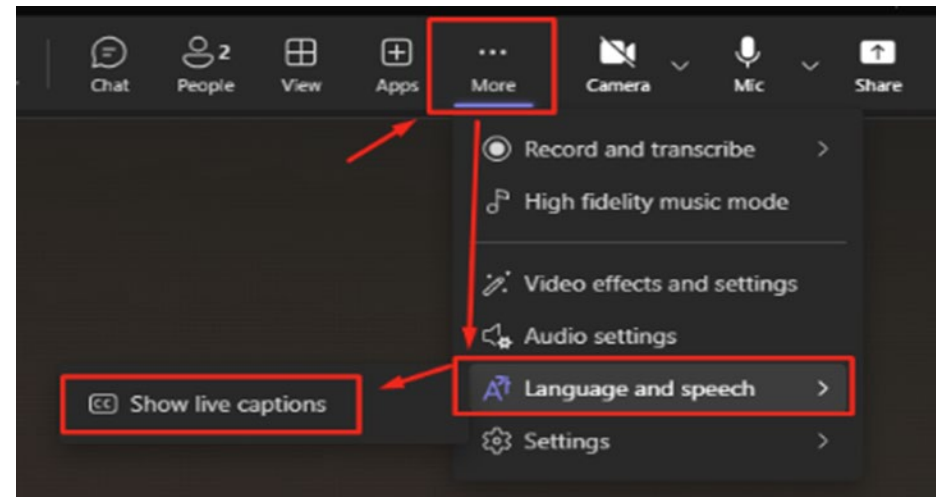
Thank you for joining the
Restoration Advisory Board (RAB) Meeting for
Naval Air Station (NAS) Brunswick

The meeting will begin at 6:00 p.m.

For captions, click More ●●● on the screen

Select 'Language and speech'

Click 'Show live captions'



Restoration Advisory Board Meeting (RAB) Former Naval Air Station Brunswick

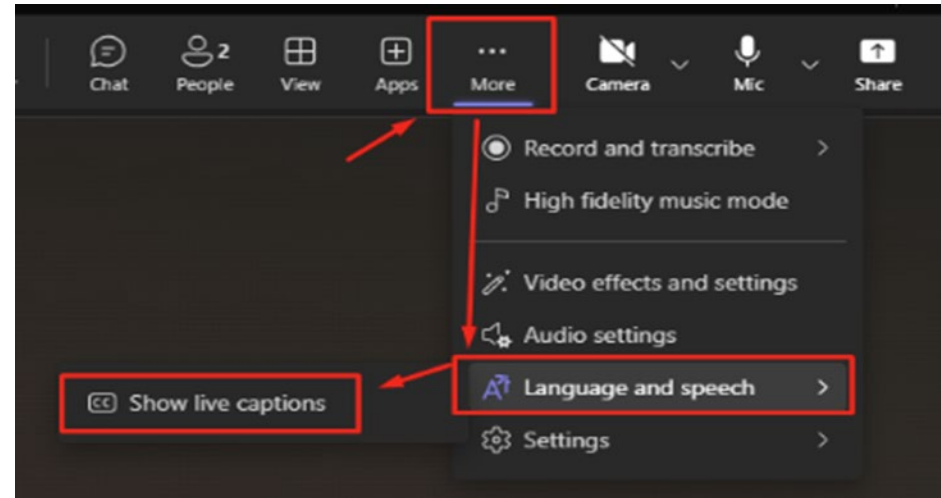
December 9, 2025



Teams Tools

- **Closed Captioning**

- Select More ●●●
- Select “Language and speech”
- Click “Show live captions”



- **Screen Layout**

- To adjust the layout on your screen, select View
- Choose the preferred view from available choices. Options include Gallery View, Speaker, Focus on Content and under more options, Full Screen

Virtual Only Meeting Information



- This is a virtual meeting only.
- The virtual meeting will show the presentations.
- Attendee microphones will remain muted except when recognized for questions.
- Questions or comments may be entered in the chat as they arise; they will be addressed during Question & Answer (Q&A) sessions.
- The meeting is being recorded. The recording will not be made public and will be used only for preparation of meeting minutes.
- Teams sign-in names will be used for the minutes.

RAB Ground Rules and Information



RAB Meeting Ground Rules

- One speaker at a time
- Question and answer periods will be provided throughout the presentations
- Please turn cell phone off or to silent during the meeting

RAB Information

- Public notice:
 - Published on Town website
 - Published in The Times Record November 28 and December 5
 - Published in GoMagazine (*Portland Press Herald, Lewiston Sun Journal, and Kennebec Journal and Morning Sentinel – Central Maine News*) November 26 and December 4
 - Posted on the Navy website November 17
 - Provided to the mailing list November 17
 - Newspaper digital ads appeared daily beginning on November 21
 - Cable ads appeared on Brunswick TV3 November 19 through today (December 9)

Meeting Agenda



Introductions & Community Outreach

LUC Overview/Construction Forms/Soil Piles

PFAS Activity Updates

- Remedial Investigation
- Stormwater Evaluation
- Drinking Water Sampling
- Jordan Avenue Wellfield
- Groundwater Extraction Treatment System

Open Discussion, Questions, and Wrap-Up

Restoration Advisory Board



Restoration Advisory Board (RAB)

- **What is a RAB?** A stakeholder group that meets on a regular basis to discuss environmental restoration but where DoD oversees the restoration process.
- **Who can participate?** Comprised of individuals from the community who are affected by the restoration activities and live/work in close proximity.
- **How often does the Brunswick RAB meet?** Triannual typically in January, May and September.
- **Technical questions about site specifics?** BRAC Environmental Coordinator or any of the agency representatives found on the last slide
- **Media inquiries?** The Navy Public Affairs Officer Chris Dunne can be reached at christopher.t.dunne3.civ@us.navy.mil.

Members



RAB Co-Chairs:

- Ms. Suzanne L. Johnson, Esq.
- **Mr. Christopher Harding, BRAC Environmental Coordinator, Navy**

RAB Members:

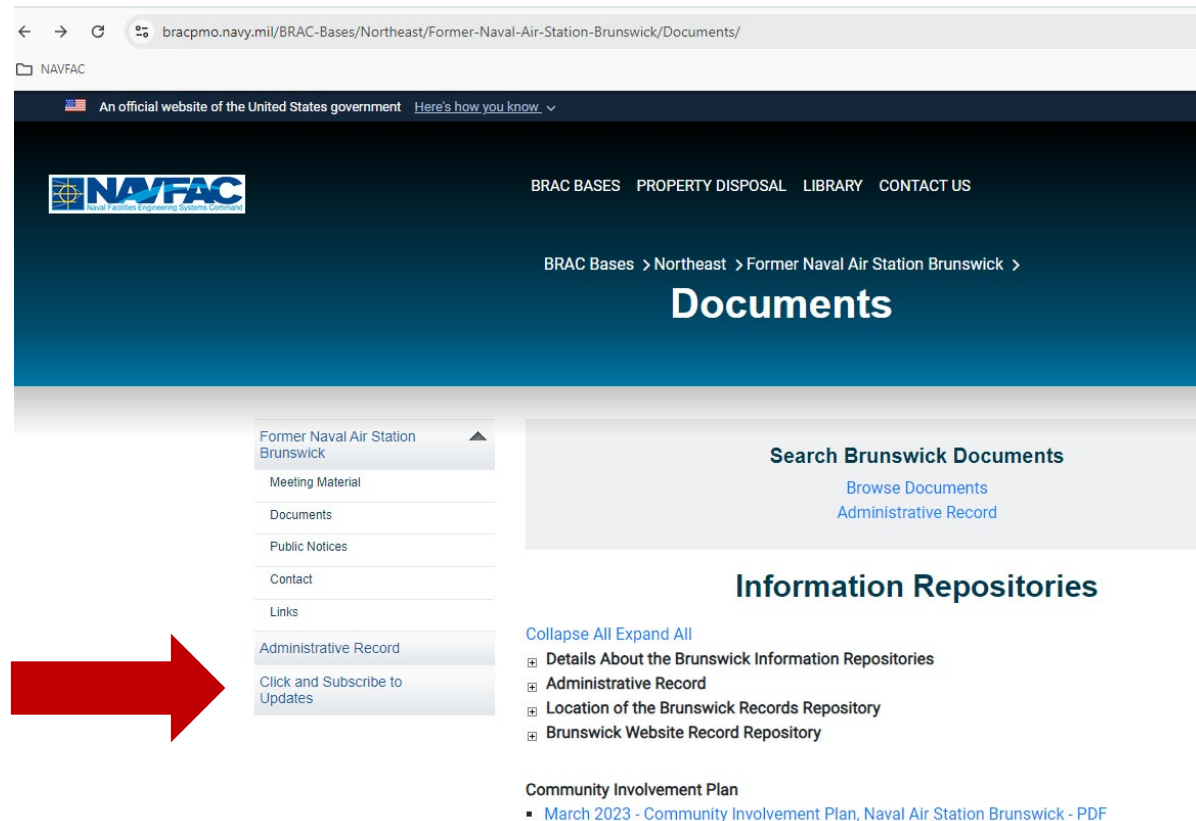
- Mr. Derek Pinkham, Remedial Project Manager, Navy
- Mr. Michael Daly, Remedial Project Manager, United States Environmental Protection Agency (USEPA)
- Mr. Iver McLeod, Remedial Project Manager, Maine Department of Environmental Protection (MEDEP)
- Mr. Daniel Stevenson, Midcoast Regional Redevelopment Authority (MRRA)
- Mr. Paul Ciesielski, Town of Harpswell, Maine
- Ms. Susan Schow, Town of Topsham, Maine
- Ms. Carol A. White, C.A. White & Associates, Brunswick Area Citizens for a Safe Environment (BACSE)
- Mr. David Page, PhD, Town of Brunswick, Maine

Community Outreach



Stay Connected

- Register for updates via GovDelivery
- Meetings held in the evening to promote increased participation
- Public notices
- Emailed to subscribers
- Posted on Navy's website
- Published in The Times Record and GoMagazine (Portland Press Herald, Lewiston Sun Journal, and Kennebec Journal and Morning Sentinel – Central Maine News)
- Brunswick Update & LUC Open House



<https://www.bracpmo.navy.mil/BRAC-Bases/Northeast/Former-Naval-Air-Station-Brunswick/>

Community Outreach (Continued)



RAB Member Tour

- Tour conducted in September 2025 for new members
- Will conduct tours annually
- Sites visited included:
 - Hangar 4
 - EW-11
 - GWETS
 - Pond A
 - Pond B
 - Picnic Pond



Community Outreach (Continued)



Upcoming Meetings

- Next RAB Meeting – February 2026
 - Hybrid Format
 - Summary of Sixth Five-Year Review
- LUC Open House – February 2026
 - In-person on Brunswick Landing
- Spring RAB Meeting – May 2026
 - Hybrid Format

LUC Overview

Land Use Controls (LUCs) – A Layering Strategy



Property Deed

Property Owner Annual
Certifications

Navy CERCLA Site Inspections

Construction Permission Request
Forms

FOST states the Land Use Controls required for inclusion in the property deed, exist in perpetuity unless released by the Navy.

All property owners are required to certify compliance with LUCs annually, fact sheet now included to explain the LUCs.

Cleanup sites are required to be inspected annually by the Navy when LUCs are part of the remedy.

All construction activity at Brunswick Landing requires a Construction Permission Form in addition to the construction permit.

*All properties on the former base have a groundwater use restriction.
Residential properties generally do NOT have any soil LUCs.*

Brunswick Landing Construction Permission Request Process



Construction Permission Requests

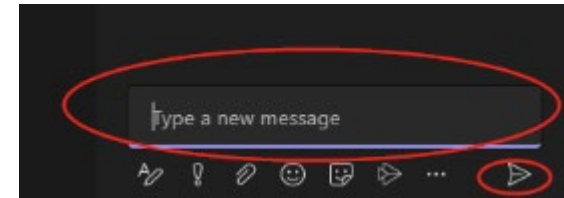
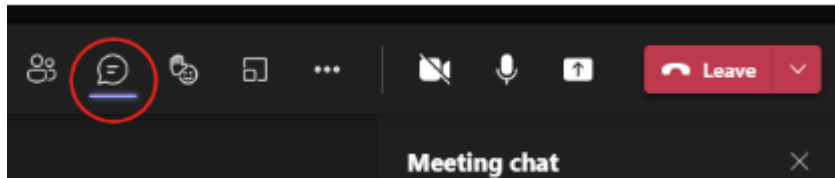
- Construction Permission Request Forms are a Navy-created and required document that ensures that land disturbance activities conform to LUCs. Required as part of the Town of Brunswick construction permit process.
- The Navy's Caretaker Site Office regularly monitors properties at Brunswick Landing to ensure no unauthorized construction activities are taking place.
- Some LUCs require that any disturbed soil remain on the parcel.
- There have been no approved Construction Permission Requests in areas identified as potentially containing PFAS during the PFAS Preliminary Assessment.
- Groundwater extraction requires an approved management plan.

Construction Soil Piles

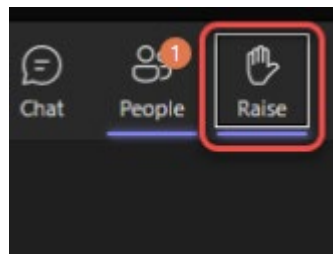
- Existing construction soil piles are conforming to Land Use Controls. The Navy is not responsible for any additional activities related to the soil piles.
- Construction soil piles are generally managed by the property owner according to MEDEP requirements established by the Erosion and Sedimentation Control Law.
- Soil piles are from areas where PFAS was not identified during the PFAS Preliminary Assessment.

Q&A

- 1) To ask a question, select the 'Chat' icon in the meeting controls. Then type your question in the text box and select 'Send'.



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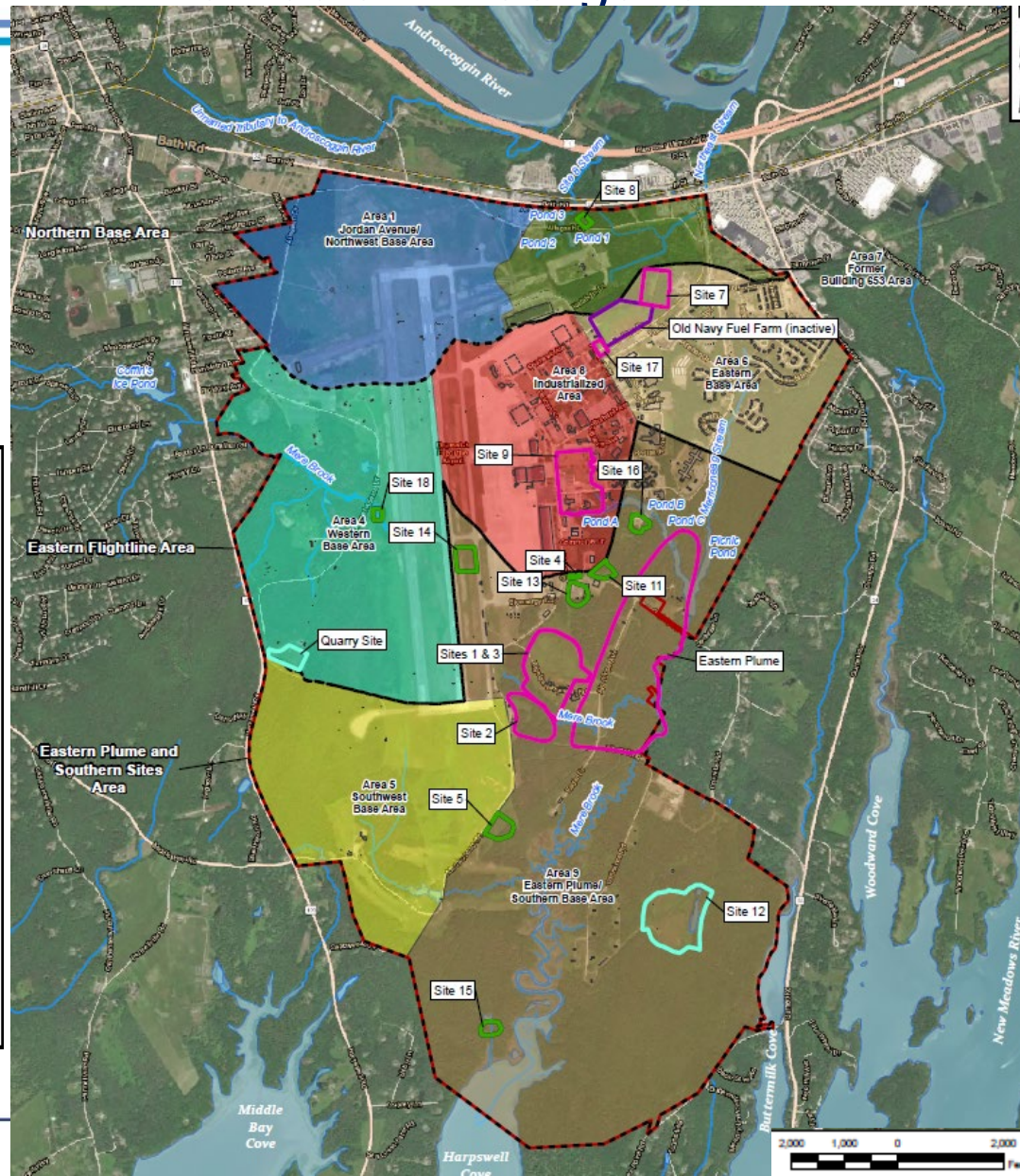
- 3) Phone-only attendees can dial *5 to raise their hand and have the opportunity to ask a question. Once recognized, dial *6 to unmute.

PFAS Activity Updates

Remedial Investigation



PFAS RI Study Areas



Legend

- PFAS Study Area
- IR Program Site - Active
- IR Program Site - No Further Action
- Military Munitions Response Program Site
- Petroleum, Oil, and Lubricants Site
- Former Installation Boundary
- Surface Water
- Stream

PFAS Study Areas

- Area 1 Jordan Avenue/Northwest Base Area
- Area 4 Western Base Area
- Area 5 Southwest Base Area
- Area 6 Eastern Base Area
- Area 7 Former Building 653 Area
- Area 8 Industrialized Area
- Area 9 Eastern Plume/Southern Base Area

PFAS Activity Updates

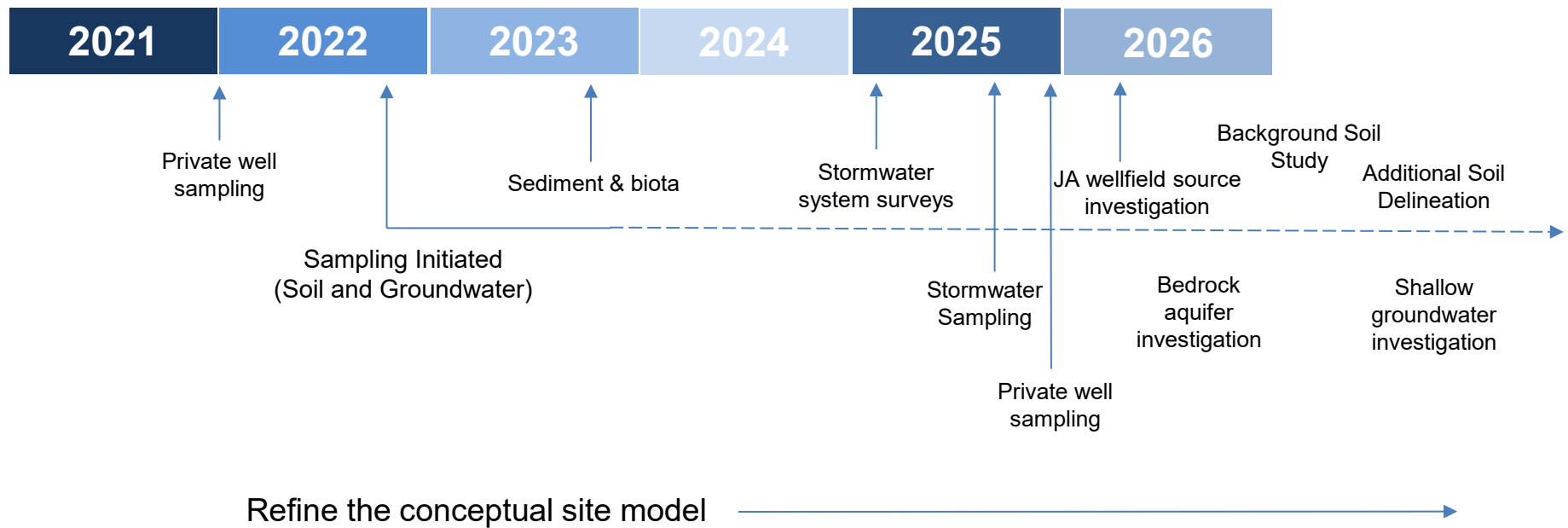
Remedial Investigation (Continued)



Remedial Investigation Primary Objective: Determine nature and extent and assess risk to human health and the environment.

REMEDIAL INVESTIGATION (RI)/
FEASIBILITY STUDY (FS)

Interim actions can occur at any time.



Groundwater flow, infiltration rates, stormwater runoff, groundwater discharge, pollutant migration gleaned through data collection efforts.

PFAS Activity Updates

Remedial Investigation (Continued)



PFAS Investigation Reporting Update

- The results of the PFAS RI sampling conducted between 2022-2023 will be reported in a PFAS RI Data Summary Report (pending).
- Basewide PFAS groundwater monitoring was completed this fall, and the results will be provided in a separate report.
- The results of the PFAS stormwater evaluation will be included in a Stormwater Evaluation Report and the results will be used to inform the PFAS RI.
- The Navy is continuing additional PFAS investigations (i.e., Background Soil Study, Additional Soil Delineation, and Bedrock Investigation) and results of those investigations will be reported in individual reports and then incorporated into the PFAS RI Report.

PFAS Activity Updates

Stormwater Evaluation

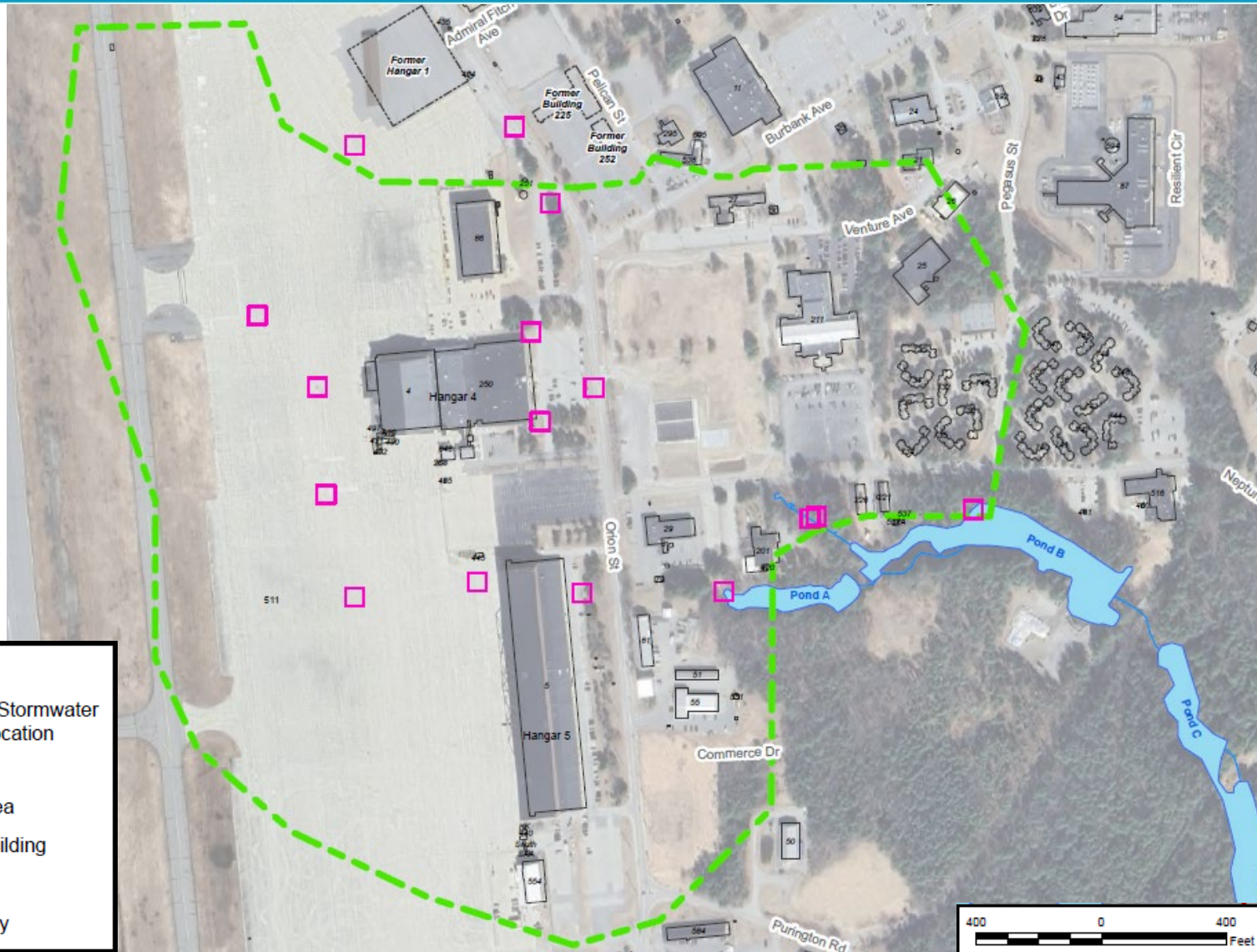


Stormwater Evaluation

- Components of Stormwater Evaluation:
 - Study design, fieldwork, data processing, data modeling
- Stormwater Evaluation Update:
 - Fieldwork completed March 2025 - 20,285 linear feet surveyed
 - Stormwater sampling completed in September 2025 (results pending)
 - Based on the results of the stormwater sampling, the Navy will determine if additional CCTV surveying is warranted.

PFAS Activity Updates

Stormwater Evaluation

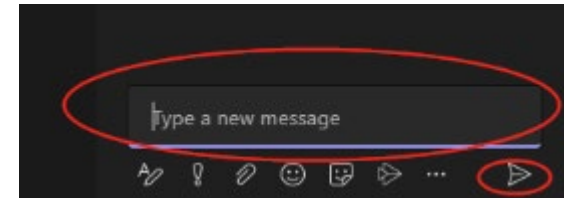
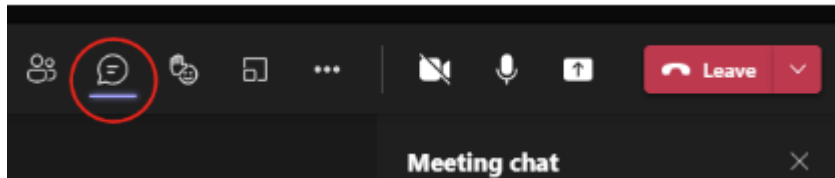


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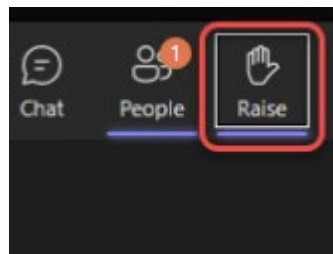
- Proposed Stormwater Sample Location
- Stream
- Project Area
- Former Building
- Building
- Water Body

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PFAS Activity Updates

Drinking Water Sampling



MEDEP Private Well Sampling

- After the August 2024 Aqueous Film-Forming Foam (AFFF) release at Hangar 4, MEDEP conducted quarterly sampling at residential private wells along Coombs Road between August 2024 and June 2025.
- Sampling was conducted from up to 35 properties and results indicate:
 - Two properties exceeded the MEDEP PFAS Interim Drinking Water Standard of 20 parts per trillion (ppt)
 - Both exceedances occurred only during the second quarterly sampling event
 - Additional septic testing was conducted at these two properties
 - One property found to have septic impacts
 - Results in third and fourth quarter were below the MEDEP PFAS Interim Drinking Water Standard
- MEDEP has completed four quarterly sampling rounds of private wells following the AFFF release.

PFAS Activity Updates

Drinking Water Sampling (Continued)



Navy Drinking Water Sampling Program

- Program in place to continue monitoring PFAS in private wells in areas historically sampled or at new locations.
- DoD Removal Actions for Drinking Water:
 - The DoD will initiate removal actions to address private drinking water wells impacted by PFAS from DoD activities where concentrations are known to be at or above three times the USEPA Maximum Contaminant Levels (MCLs), referred to as the DoD PFAS Interim Action Levels.
 - If private well concentrations are equal to or above the DoD PFAS Interim Action Levels, additional evaluation of the data will be conducted to determine if the impacts are caused by legacy Navy sources.
 - If impacts are determined to be from legacy Navy sources, a removal action will be conducted to eliminate exposure to drinking water concentrations above the DoD PFAS Interim Action Levels for private drinking water wells.

PFAS Activity Updates

Drinking Water Sampling (Continued)



Mere Creek Golf Course

- In January 2025, MEDEP sampled the water supply at the golf course and results indicated PFAS exceeded the Maine PFAS Interim Drinking Water Standard of 20 ppt.
- Due to PFOS exceeding DoD PFAS Interim Action Level, in April 2025, the Navy collected samples from two monitoring wells north of clubhouse and one surface water from the irrigation pond.
- In May 2025, a PFAS treatment system was installed at the clubhouse.
- MEDEP included sampling at the golf course during the third and fourth quarterly sampling events in March and June 2025.
- Town of Brunswick collected samples in June 2025 from three residential properties along Harpswell Road.
- The Navy conducted additional sampling in the vicinity of the golf course as part of the fall 2025 PFAS groundwater monitoring investigation.

PFAS Activity Updates

Jordan Avenue Wellfield



Jordan Avenue Wellfield

- Results of sampling by the Brunswick Topsham Water District (BTWD) in early 2022 indicated that PFAS was present at select wells in the Jordan Avenue Well Field.
- Based on these results, the Navy expedited a Work Plan to investigate and field work was performed in Spring 2022.
- A decision to perform a Removal Action was made and an Engineering Evaluation / Cost Analysis (EE/CA) was prepared to document the selected action.



PFAS Activity Updates

Jordan Avenue Wellfield (Continued)



Jordan Avenue Wellfield, continued

- Documented in an Action Memorandum, finalized in early 2025.
- The Navy and BTWD entered into an Environmental Services Cooperative Agreement (ESCA) valued at over \$21M in 2023 to design & construct a PFAS treatment system.
- Construction started in Fall 2024 and is scheduled to last until Spring 2026.



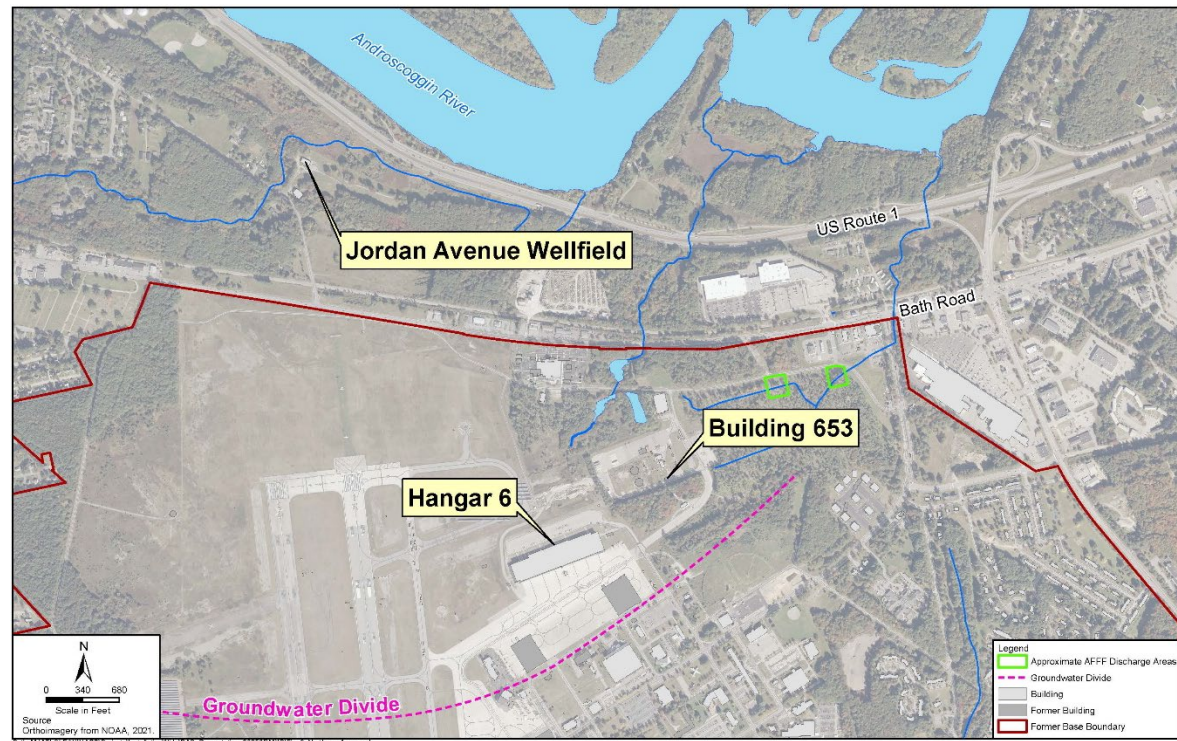
PFAS Activity Updates

Jordan Avenue Wellfield (Continued)



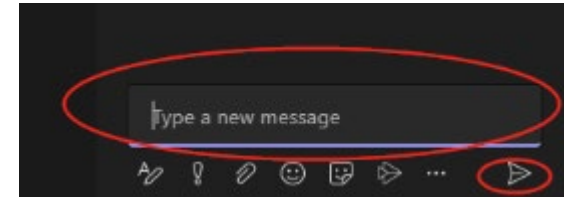
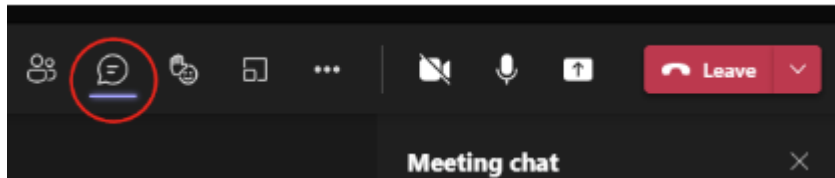
Jordan Avenue Wellfield PFAS Source Identification

- Conduct evaluation to identify potential source(s) of PFAS to the Jordan Avenue Wellfield
- Evaluating area upgradient on former base property
- Currently developing sampling and analysis plan to document potential sources and planned investigation
- Additional investigations anticipated to be conducted in spring 2026

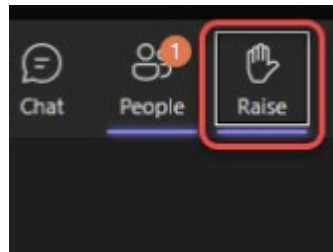


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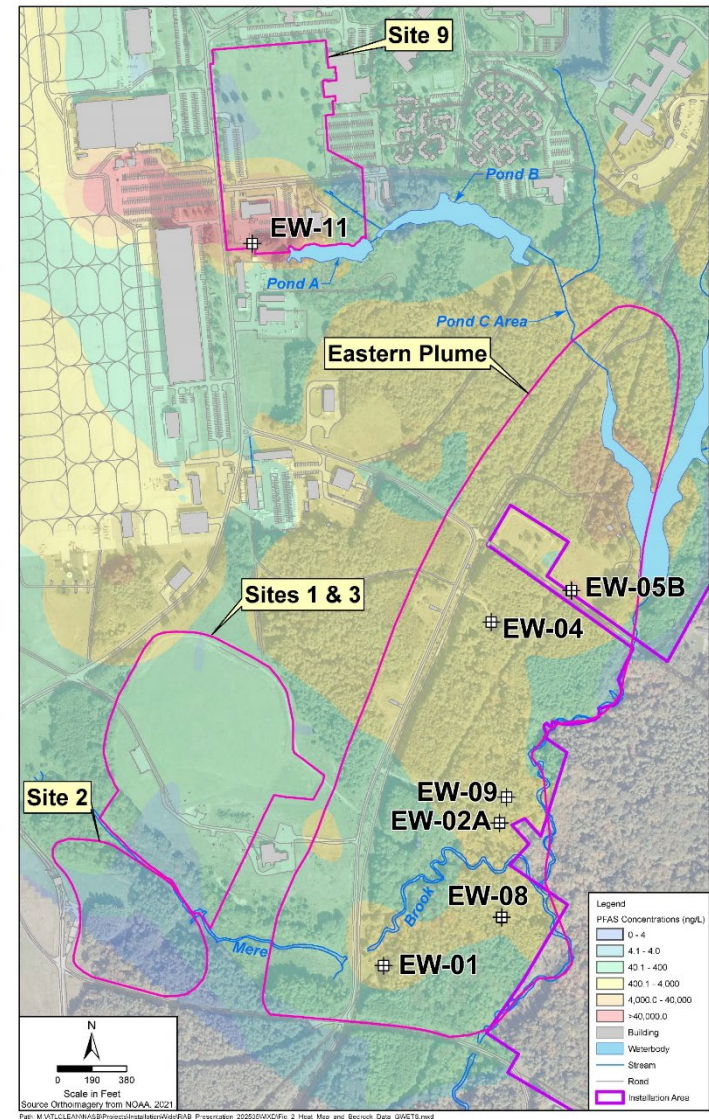
PFAS Activity Updates

Groundwater Extraction Treatment System



Eastern Plume GWETS

- The selected remedy for the Eastern Plume included installing a treatment plant to prevent groundwater flow offbase and to reduce concentrations of contaminants.
- GWETS was modified in 2015 to treat both CVOCs and PFAS.
- EW-11 near Hangar 4 has been connected to the GWETS for future use.
- Final Annual GWETS PFAS report for 2023-2024 submitted on December 1, 2025



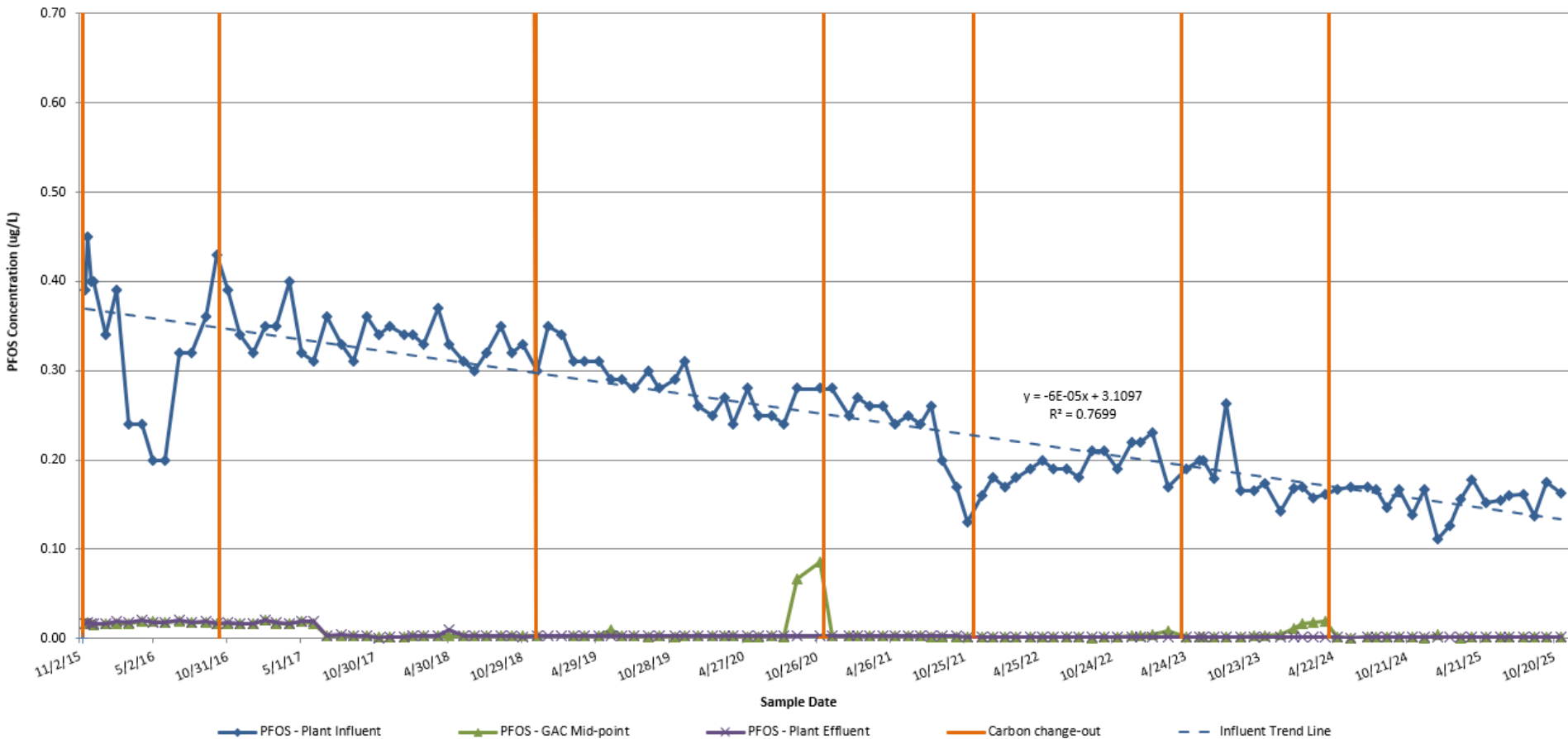


PFAS Activity Updates

Groundwater Extraction Treatment System (Continued)



GWETS PFOS Concentrations

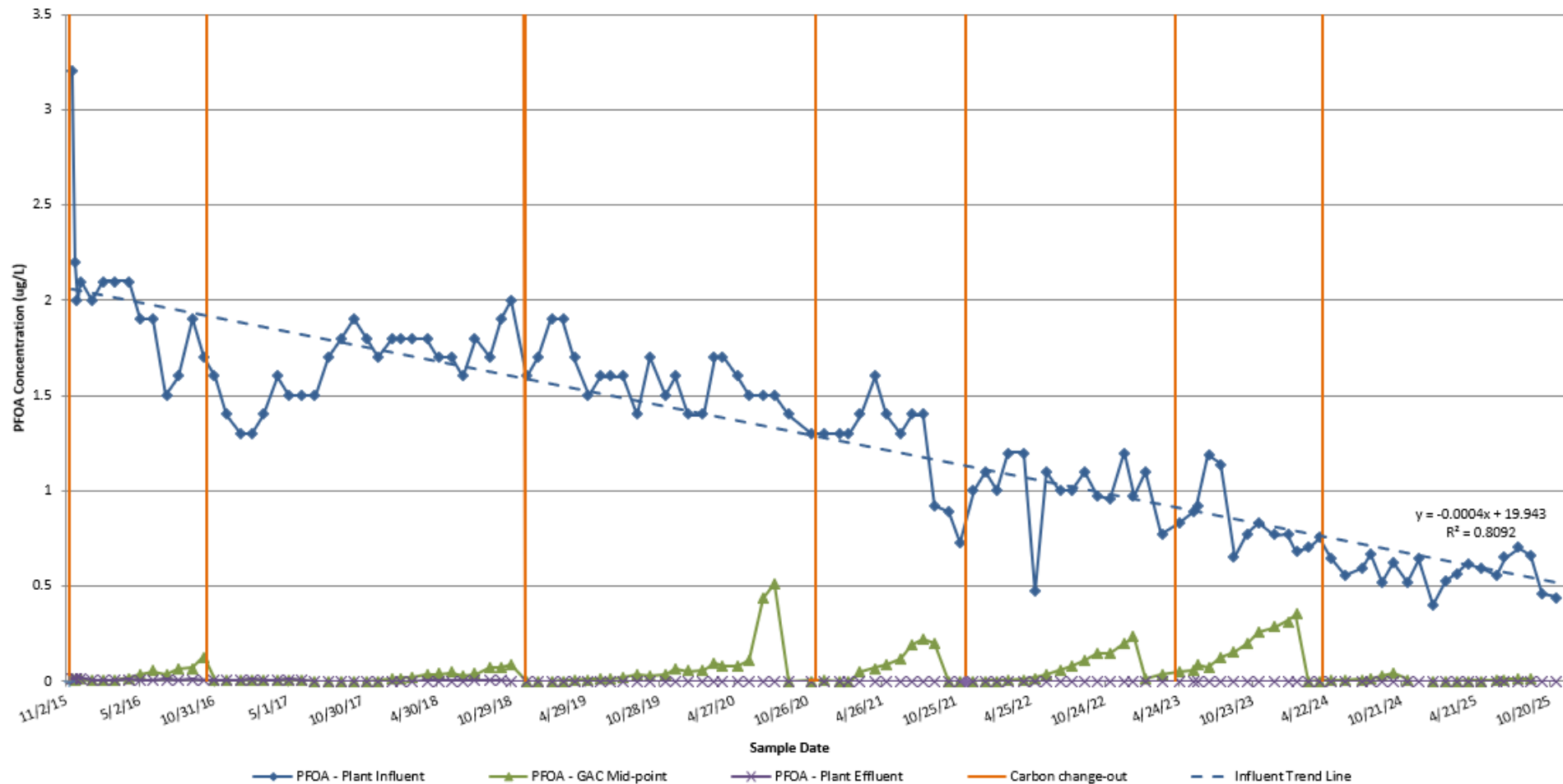


PFAS Activity Updates

Groundwater Extraction Treatment System (Continued)



GWETS PFOA Concentrations



PFAS Activity Updates

Ongoing PFAS Investigation Summary

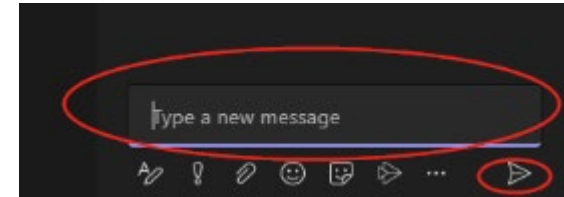
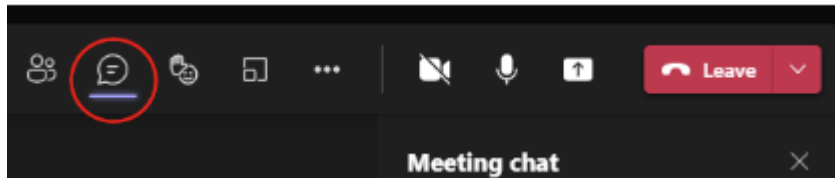


Ongoing PFAS Investigations for 2025

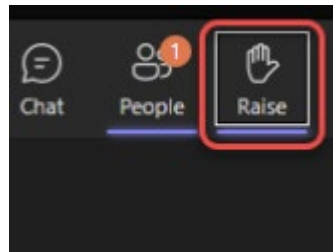
- Stormwater Evaluation – Fall 2025
- Groundwater Monitoring – Fall 2025
- Continued GWETS Monitoring – Monthly
- Private Well Sampling – Winter 2025

Q&A

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Thank You!



Thank you for attending today's meeting!

**Next RAB Meeting: February 2026
Hybrid Meeting**

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Acronyms



AFFF	Aqueous Film-Forming Foam
BACSE	Brunswick Area Citizens for a Safe Environment
BRAC	Base Realignment and Closure
BTWD	Brunswick/Topsham Water District
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CVOC	Chlorinated Volatile Organic Compounds
DoD	Department of Defense
EE/CA	Engineering Evaluation/Cost Analysis
ESCA	Environmental Services Cooperative Agreement
FOST	Finding of Suitability to Transfer
FS	Feasibility Study
GWETS	Groundwater Extraction Treatment System
JA	Jordan Avenue
LUC	Land Use Control
MEDEP	Maine Department of Environmental Protection

Acronyms, continued



MRRA	Midcoast Regional Redevelopment Authority
MS	Microsoft
NAS	Naval Air Station
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorobutanoic Acid
PFBS	Perfluorobutane Sulfonate
PFHxA	Perfluorohexanoic Acid
PFHxS	Perfluorohexanesulphonic Acid
PFNA	Perfluorononanoic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
Q&A	Question and Answer
RAB	Restoration Advisory Board
RI	Remedial Investigation
USEPA	United States Environmental Protection Agency

Base Map with CERCLA Sites

