



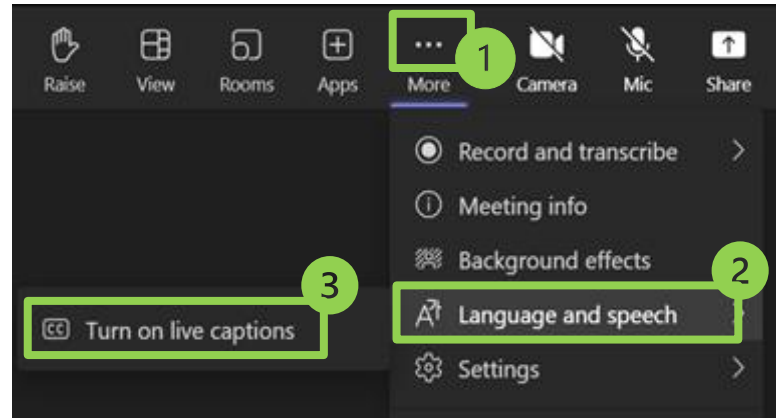
Former Naval Air Station South Weymouth Restoration Advisory Board

Thank you for joining us. The meeting will begin at 6:30pm.

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



Hybrid Meeting Instructions

- **There are both in-person and virtual attendees for this meeting**
- **Virtual Attendees via Microsoft Teams**
 - Attendee cameras are not being used
 - Attendee microphones will remain muted except when recognized for questions
- **Microsoft Teams sign-in names will be used for the record**
- **Comments for the June 2026 Restoration Advisory Board (RAB) Meeting to be sent to Christopher Harding**
- **Please hold all questions or comments until after the presentations**
- **This meeting is recorded for preparation of meeting minutes. The recording will not be made public.**

Meeting Agenda - June 23, 2026



- **Welcome**
- **Introductions**
- **Regulatory and Environmental Site Updates**
 - Basewide PFAS
 - Background PFAS in Soil
 - AFFF Piping Removal
- **Q&A Session**
 - Transfer Status
- **Updates and Action Items**

Introductions

- **Dave Barney, Navy Base Closure Manager**
- **Christopher Harding, RAB Co-Chair, Navy BRAC Environmental Coordinator**
- **Derek Pinkham, Navy Remedial Project Manager (RPM)**
- **Laurie O'Connor, EPA, RPM**
- **Randi Augustine, MassDEP RPM**
- **Michelle Colón, Resolution Consultants**
- **Chelsea Fellows-Stanley, Tetra Tech**

- **Attendees**

Former Naval Air Station South Weymouth

Site Updates

June 2026

Former NAS South Weymouth Environmental Sites



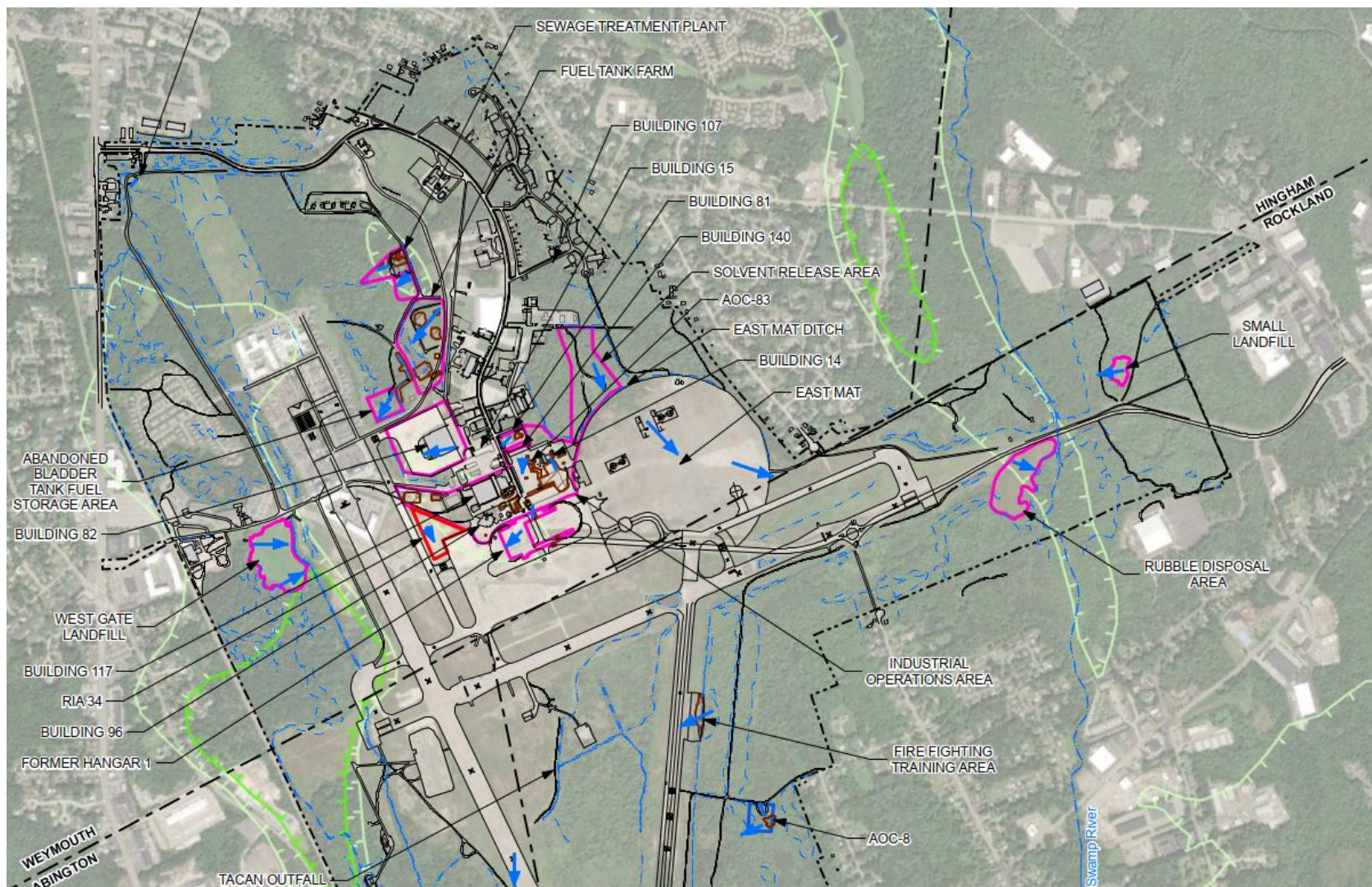
Sites/Topics included in Updates:

- Basewide PFAS Activities
- Background PFAS in Soil
- AFFF Piping Removal

No substantial updates for the following sites:

- Building 81
- Rubble Disposal Area
- Small Landfill
- Solvent Release Area
- West Gate Landfill

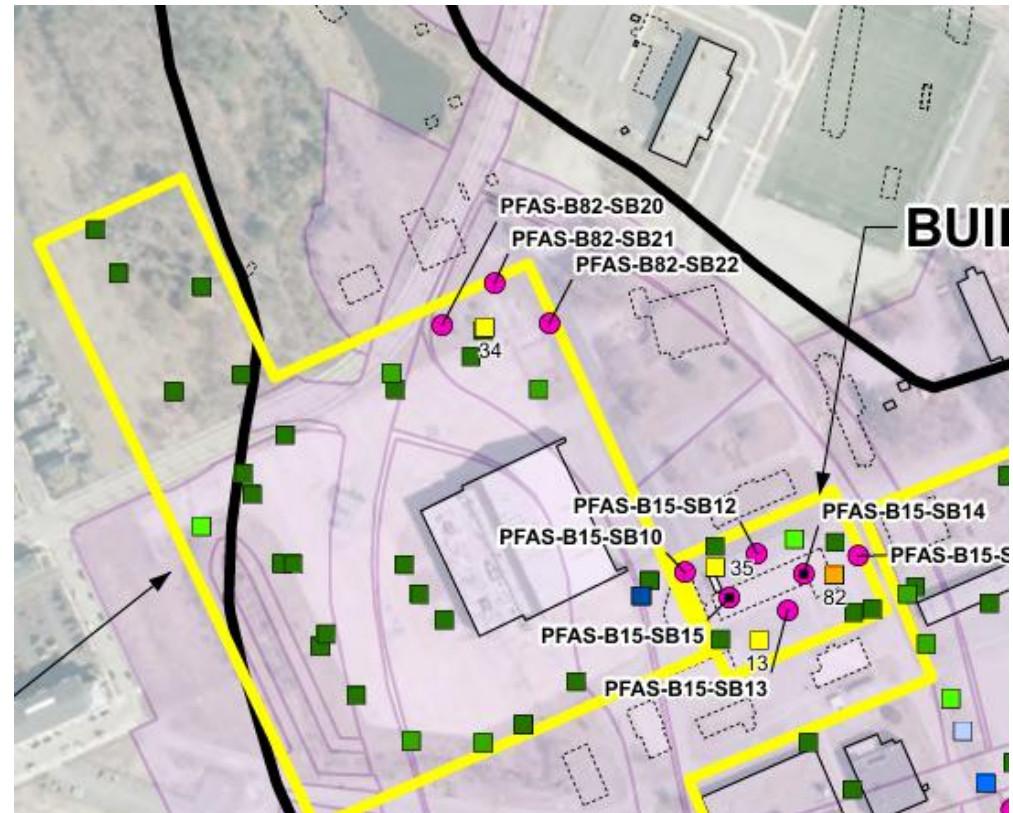
Former NAS South Weymouth PFAS Study Sites



Basewide PFAS Activities

Current Status

- Phase I PFAS Remedial Investigation (RI) field work completed in December 2022
- In Winter 2025, Navy completed a soil investigation in the Industrial Operations Area
- A Sampling and Analysis Plan Addendum is being prepared to collect soil samples in Summer 2026 as part of the Phase 2 PFAS RI
- Once the soil evaluation is completed, Navy will progress to the groundwater investigation
- Sampling and data analysis will consider that background levels may be higher than risk-based levels. Since Superfund does not authorize clean up below background levels, PFAS background concentrations may become relevant.



PFAS Activity Updates

Background Soil Study



Role of Background in the CERCLA Cleanup Program

Background refers to constituents or locations that are not influenced by the releases from a site and is usually described as anthropogenic or naturally occurring.

- **Anthropogenic** – natural and human-made substances present in the environment as a result of human activities, not specifically related to the CERCLA release in question; and
- **Naturally occurring** – substances present in the environment in forms that have not been influenced by human activity.

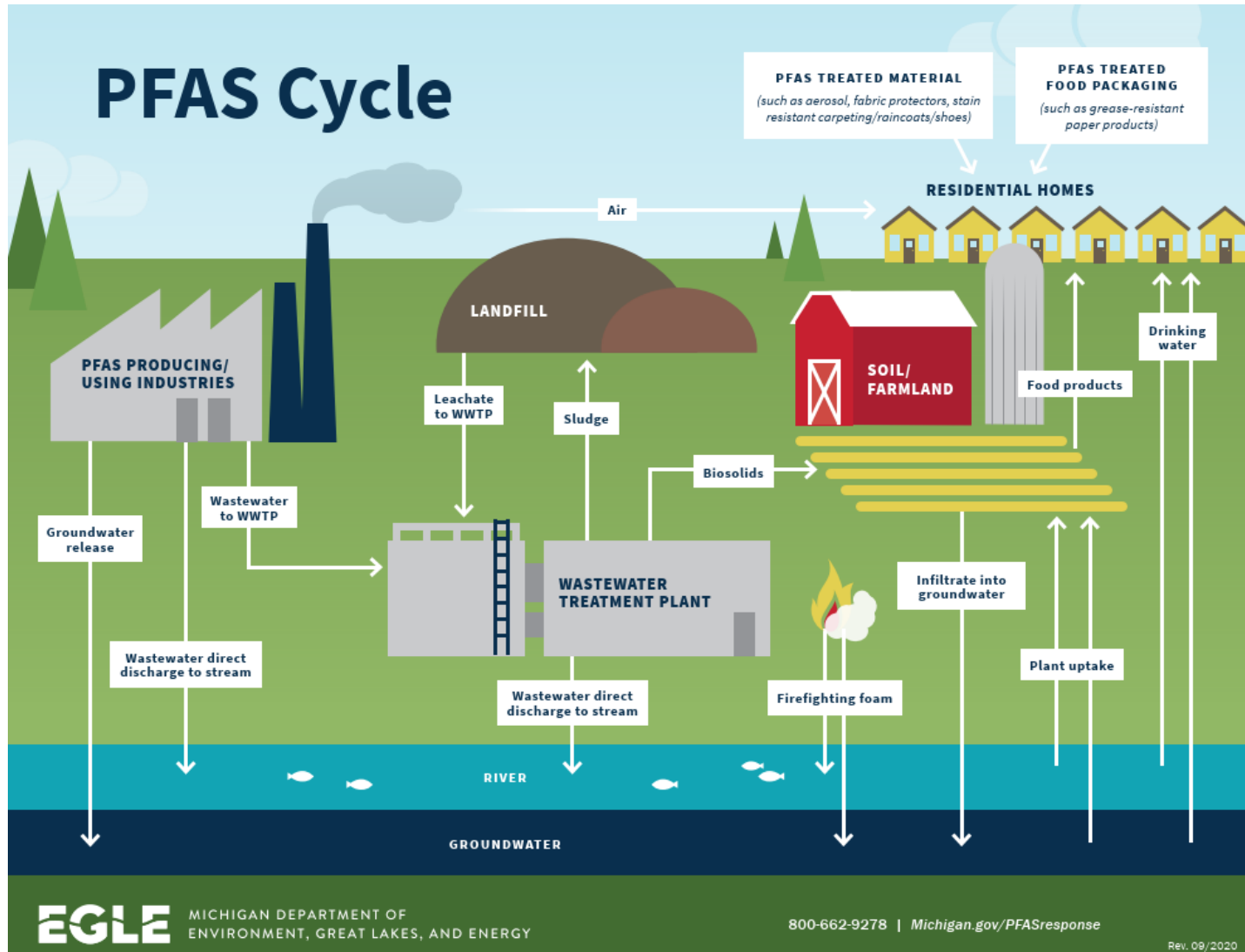
USEPA Policy OSWER 9285.6-07P dated April 26, 2002

Key Points:

- *Background PFAS is anthropogenic. Evidence from the peer-reviewed literature indicates existence of background PFAS concentrations in all media types, even in remote areas far removed from potential PFAS sources.*
- *PFAS source areas with concentrations above background are present at several sites at the Former NAS South Weymouth and will be addressed through the CERCLA process.*

PFAS Activity Updates

Background Soil Study, continued



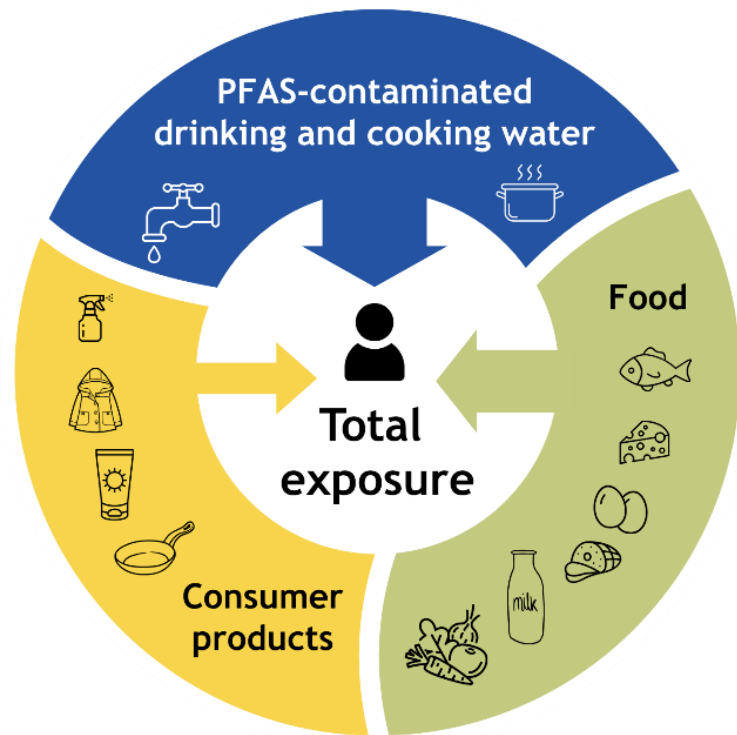
PFAS Activity Updates

Background Soil Study, continued



PFAS Dietary Exposure

- Humans receive PFAS exposure from a variety of background sources beyond soil, especially food
- In its draft Human Health Ambient Water Quality Criteria documents, USEPA (2024a, 2024b) reviewed the literature and noted background dietary estimates (next slide)



USEPA. 2024a. DRAFT Human Health Ambient Water Quality Criteria: Perfluorooctanoic Acid (PFOA) and Related Salts. December. <https://www.epa.gov/system/files/documents/2024-12/pfoa-hhc-draft.pdf>

USEPA. 2024b. DRAFT Human Health Ambient Water Quality Criteria: Perfluorooctane Sulfonic Acid (PFOS) and Related Salts. <https://www.epa.gov/system/files/documents/2024-12/pfos-hhc-draft.pdf>

PFAS Activity Updates

Background Soil Study, continued



PFAS Dietary Exposure

- PFOS dietary exposure up to 1 ng/kg body weight per day; however, PFOS dietary exposure will vary based on an individual's dietary pattern (for instance, omnivore vs. plant-based diet)
- PFOS background dietary exposure can be 10 times higher than the USEPA safe dose benchmark used to calculate the soil RSL (*RSLs are protective benchmarks and use conservative measures in order to confidently screen out contaminants*)

6.2 Summary of Potential Exposure Sources of PFOS Other Than Water and Freshwater and Estuarine Fish/Shellfish

6.2.1 Dietary Sources

A number of studies support food ingestion as a major source of exposure to PFOS for the general population based on early studies that modeled the relative contributions of various sources among the general populations of North America and Europe (Fromme et al., 2009; Trudel et al., 2008; Vestergren and Cousins, 2009). The exposure to adults in western countries is typically estimated to be about 1 ng/kg-d (Domingo and Nadal, 2017; East et al., 2021). The dominance of the food ingestion pathway is attributed to bioaccumulation in food from

USEPA. 2024b. DRAFT Human Health Ambient Water Quality Criteria: Perfluorooctane Sulfonic Acid (PFOS) and Related Salts. <https://www.epa.gov/system/files/documents/2024-12/pfos-hhc-draft.pdf>

PFAS Activity Updates

Background Soil Study, continued



January 2004 Navy Policy on the Use of Background Chemical Levels:

- Compare ***site-related*** chemical levels to background and use in baseline risk assessment.
- ***Non-site-related*** chemicals should be compared to risk-based screening values and discussed in the risk characterization section.
- Site cleanup remedial goals are not set below background levels.

September 2024 DoD Memo on Prioritization of DoD Cleanup Actions to Implement Federal Drinking Water Standards for PFAS:

- CERCLA requires a site-specific risk assessment during the RI to establish cleanup levels and consider background, so PFAS ***background assessments will be a component of remedial decision-making at DoD facilities*** in addition to risk assessment, MCLs, and more.
- DoD will work with USEPA and state regulators to evaluate background levels of PFAS on a site-specific basis and to determine the appropriate remedial goals for a site.
- Site cleanup ***remedial goals are not set below background levels.***

PFAS Activity Updates

Background Soil Study, continued

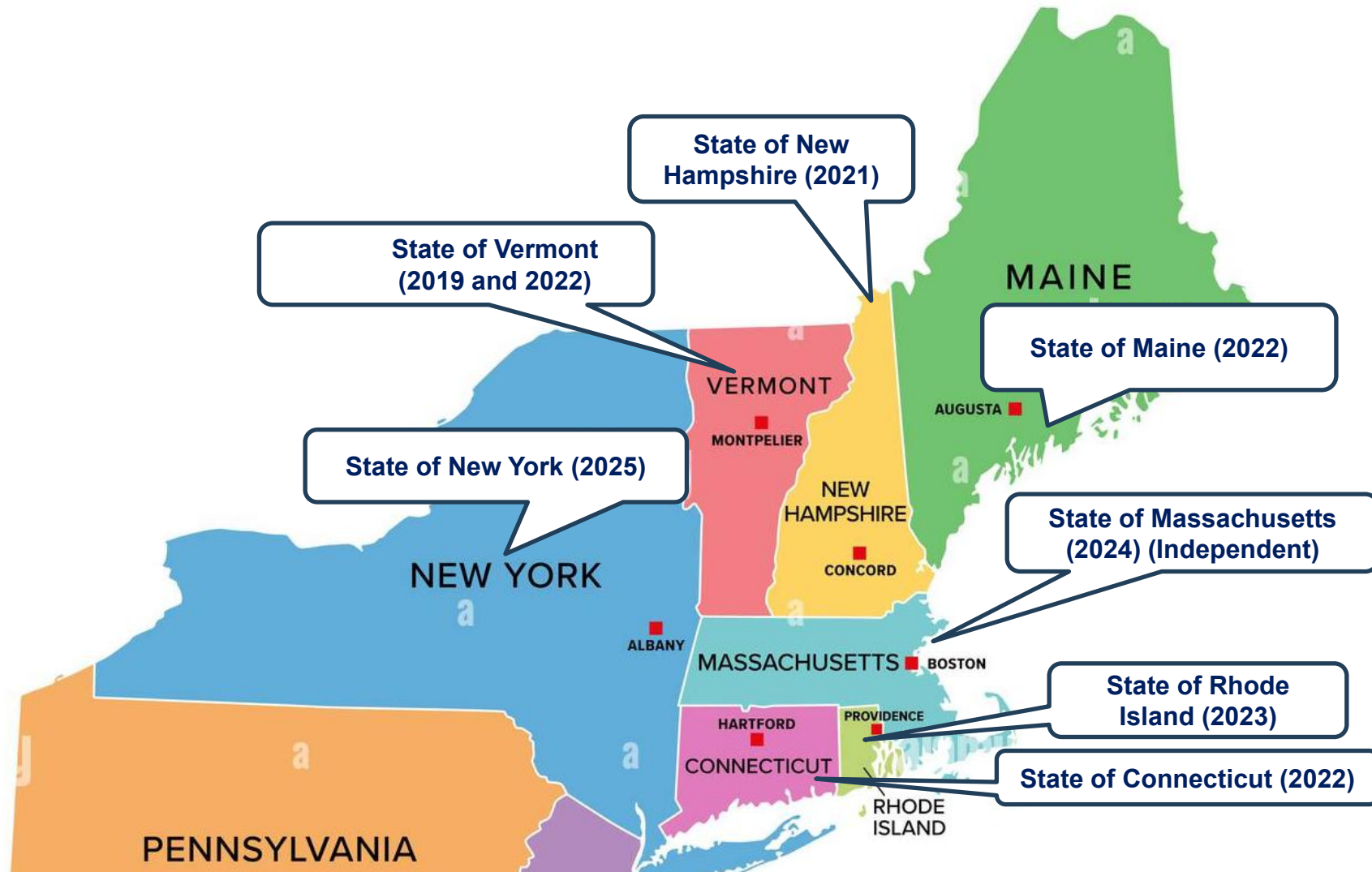


USEPA Policy and Navy Guidance on Use of Background Data

- [Role of Background in the CERCLA Cleanup Program](#)
- [Guidance for Environmental Background Analysis - Volume 1: Soil](#)
- [DoN Policy on the Use of Background Chemical Levels - 30 January 2004](#)
- [Prioritization of DoD Actions to Implement the Federal Drinking Water Standards for Per- and Polyfluoroalkyl Substances – 3 September 2024](#)

PFAS Activity Updates

Northeast Region PFAS Soil Background Studies



PFAS Activity Updates

Northeast Region PFAS Soil Background Studies Links



State of Massachusetts (2024) Soil Background Study

- <https://www.woodardcurran.com/wp-content/uploads/2024/02/PFAS-WhitePaper-1.pdf>

State of Connecticut (2022) Soil Background Study

- https://portal.ct.gov/-/media/deep/site_clean_up/contaminants_of_emerging_concern/pfas_documents/academiccollaborations/2022-uconnenve-pfassoilsamplingproject-finaldesignreport.pdf

State of Maine (2022)

- https://www.maine.gov/dep/spills/topics/pfas/documents/archive/Maine_Background_PFAS_Study_Report.pdf

State of New Hampshire (2021) Soil Background Study

- <https://www.sciencebase.gov/catalog/item/61f43d6cd34e622189bbb0c4>

State of Rhode Island (2023) Soil Background Study

- https://dem.ri.gov/sites/g/files/xkgbur861/files/2023-11/pfas-source-investigation-plan_0.pdf

State of New York (2025) Soil Background Study

- <https://dec.ny.gov/sites/default/files/2025-12/pfasbackgroundstudy.pdf>

State of Vermont (2019 and 2022) Soil Background Studies

- https://anrweb.vt.gov/PubDocs/DEC/PFOA/Soil-Background/PFAS-Background-Vermont-Shallow-Soils-03-24-19.pdf?utm_source=openai
- <https://www.sciencedirect.com/science/article/abs/pii/S0304389422012729>

PFAS Activity Updates

Northeast Region PFAS Soil Background Studies

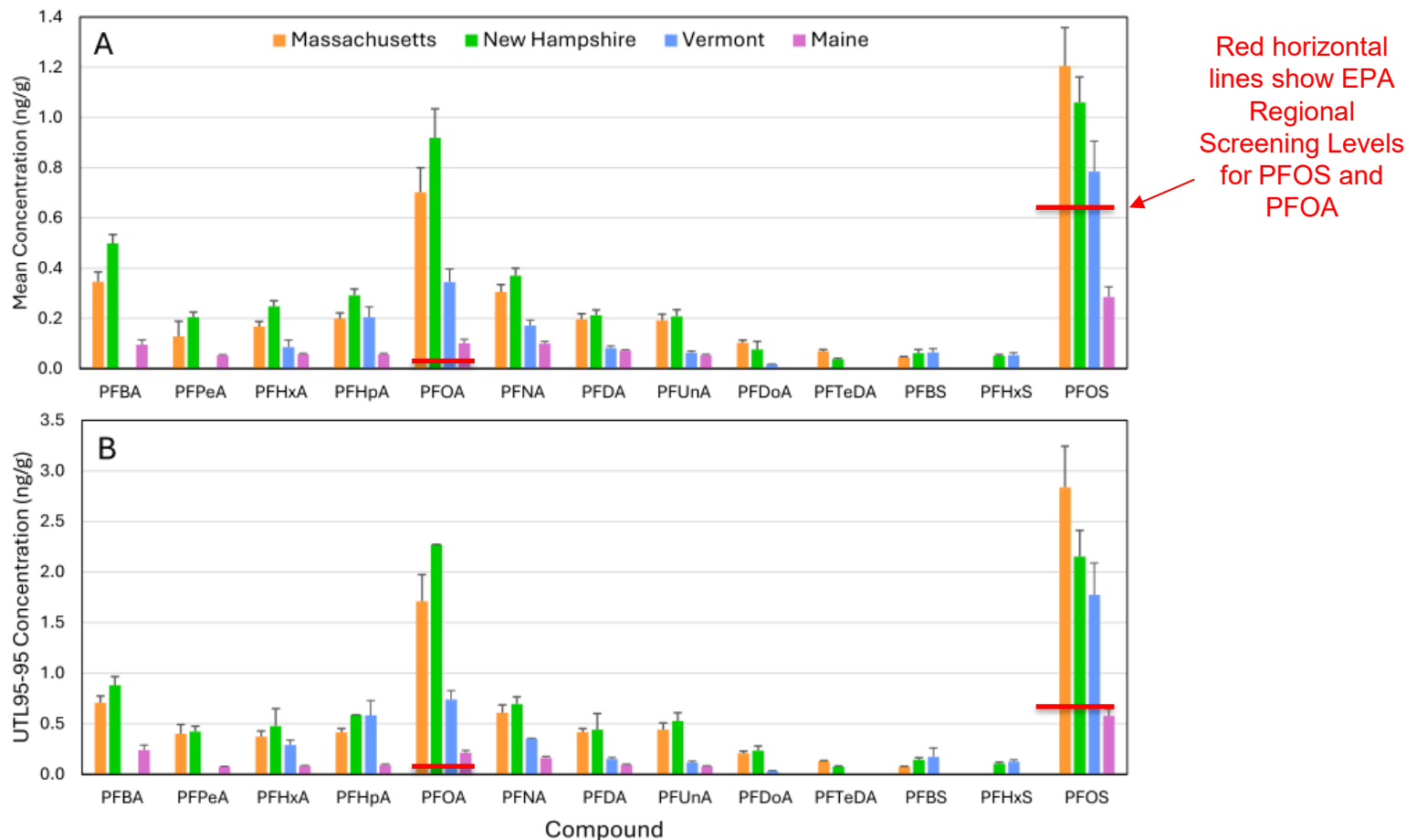


FIGURE 8 | Comparison of (A) mean (with UCL95 as the error bar) and (B) 95th percentile of the mean (with background threshold [UTL95-95] as the error bar) concentrations between Massachusetts, New Hampshire, Vermont, and Maine. [Color figure can be viewed at [wileyonlinelibrary.com](https://onlinelibrary.wiley.com)]

PFAS Activity Updates

Background Soil Study



Timeline & Path Forward

- Navy is currently evaluating background concentrations from the McIntosh et. al. study to select appropriate background values for use in the NAS South Weymouth CERCLA cleanup
- EPA and MassDEP will be involved in the decision-making process



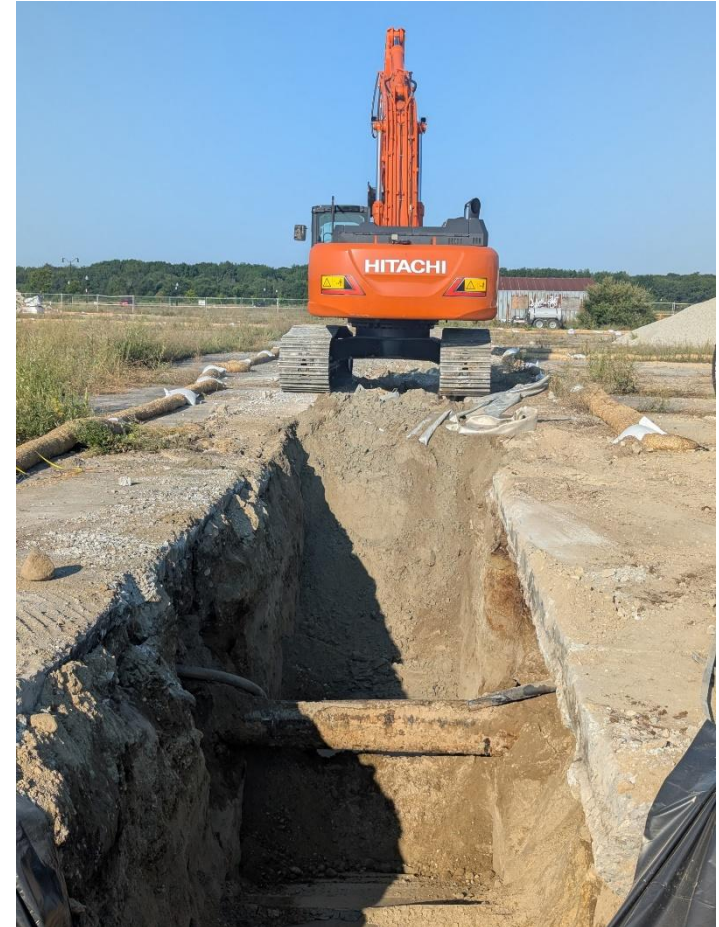
Building 14 and Hangar 1

Aqueous Film Forming Foam (AFFF) Pipe Removal



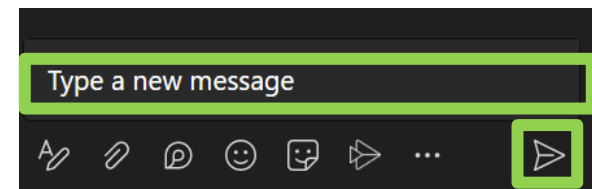
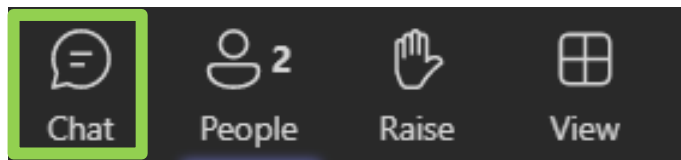
AFFF Piping Removal

- Navy contracted with Cape-RSI Joint Venture to remove an AST at Building 14 and underground AFFF piping and potentially impacted soil at Building 14 and Hangar 1.
- Mobilization began on July 21, 2025 and the field work was completed on August 7, 2025.
- Approximately 1,500 tons of soil, 250 tons of concrete, and 25 tons of steel piping were excavated and staged for disposal.
- Post excavation soil samples were collected and are currently being evaluated.
- The excavated material will be removed in Summer/Fall 2026. The material is currently secured on-site.

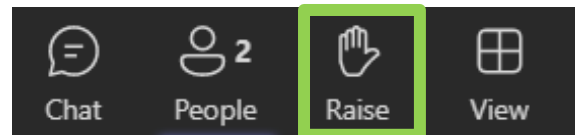


Virtual Attendee Questions

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



- 2) Raise your hand to be recognized and have your microphone unmuted. Select 'Raise your hand' icon in the meeting controls.



- 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 the microphone.

Former Naval Air Station South Weymouth

Updates and Action Items

June 2026

Transfer Status



Future FOST Activity

- FFTA Site – FOST Addendum #2
- Rubble Disposal Area
- Solvent Release Area

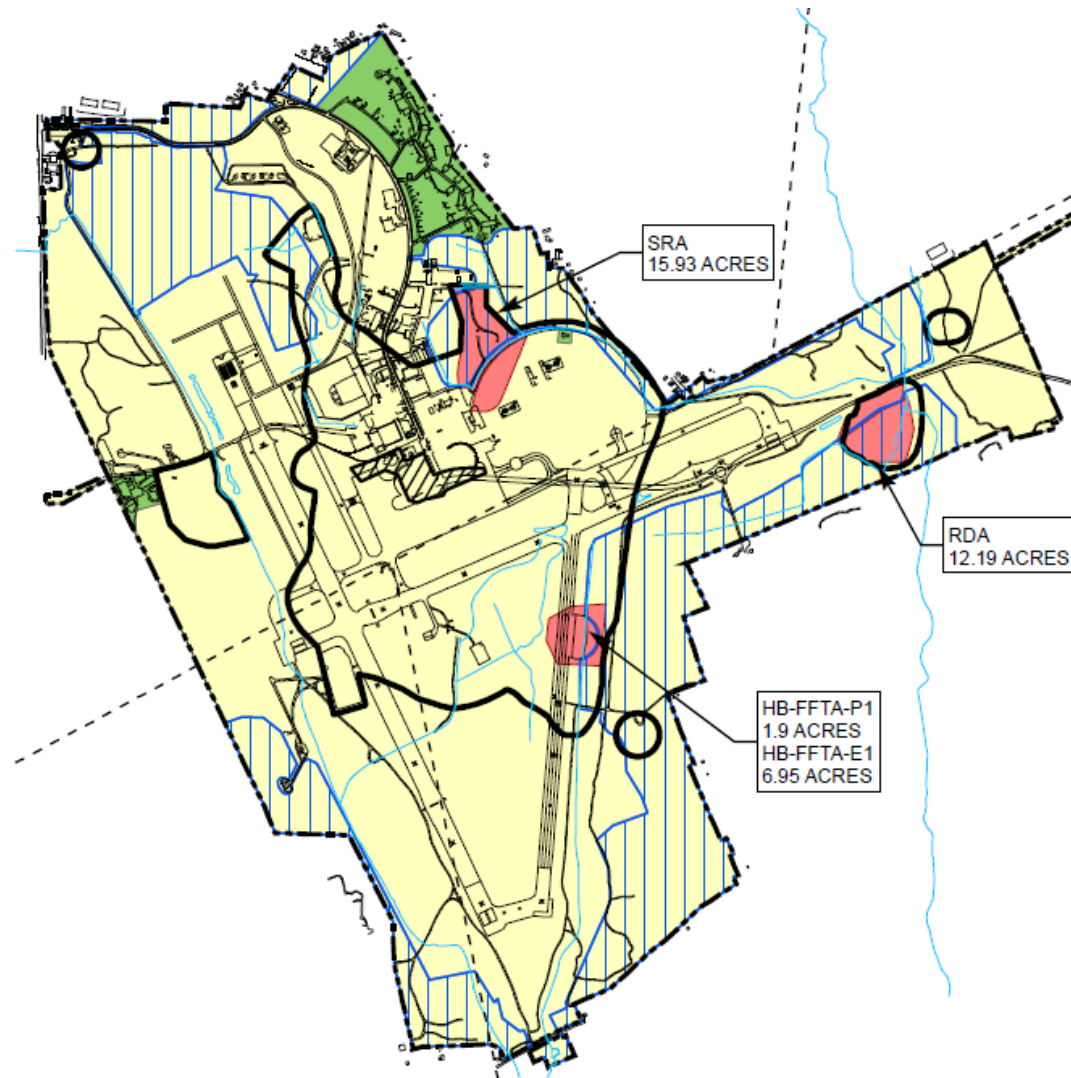
LEGEND

- ROAD/RUNWAY
- - - TOWN BOUNDARY
- SURFACE WATER
- - - NAS SOUTH WEYMOUTH BOUNDARY
- IOA PFAS HOLDBACK LUC AREA
- PFOS AND PFOA GROUNDWATER LUC AREA
- BUILDING
- PBC LAND
- FEDERAL TRANSFER
- FOSTS COMPLETED THROUGH FY 2024
- FOSTS PLANNED FOR FY 2025+

NAD 1983 STATE PLANE
MASSACHUSETTS FEET

0 1,000 2,000

SCALE IN FEET

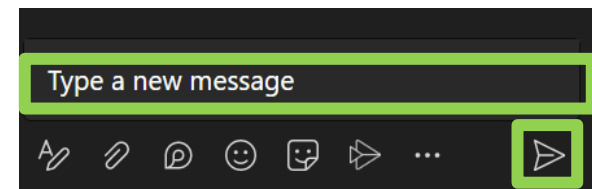
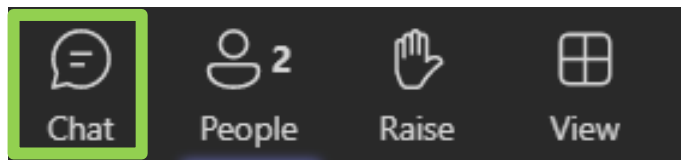


Action Items and Next Meeting

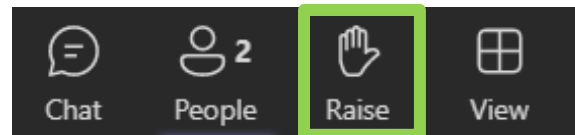
- **Next Meeting – November 12, 2026 (*tentative*)**
 - **Proposed Agenda Topics**
 - Site Updates
 - Basewide PFAS
 - Solvent Release Area
 - FOST Status
 - **Navy is proposing holding future RAB meetings during normal business hours and is seeking public input.**
 - Please send comments to Chris Harding at:
christopher.l.harding4.civ@us.navy.mil

Virtual Attendee Questions

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Thank you for Attending Today's Meeting

BRAC Cleanup Team (BCT) Points of Contact:

Navy: Dave Barney, Base Closure Manager

(781) 626-0105

david.a.barney.civ@us.navy.mil

Chris Harding, BRAC Environmental Coordinator

(215) 897-4904

christopher.l.harding4.civ@us.navy.mil

Derek Pinkham, Navy Remedial Project Manager

(215) 897-4908

derek.j.pinkham.civ@us.navy.mil

EPA: Laurie O'Connor, EPA Remedial Project Manager

(617) 918-1605

Oconnor.Laurie@epa.gov

MassDEP: Randi Augustine, MassDEP Remedial Project Manager

(617) 634-9612

Randi.Augustine@mass.gov