



733d Mission Support Group



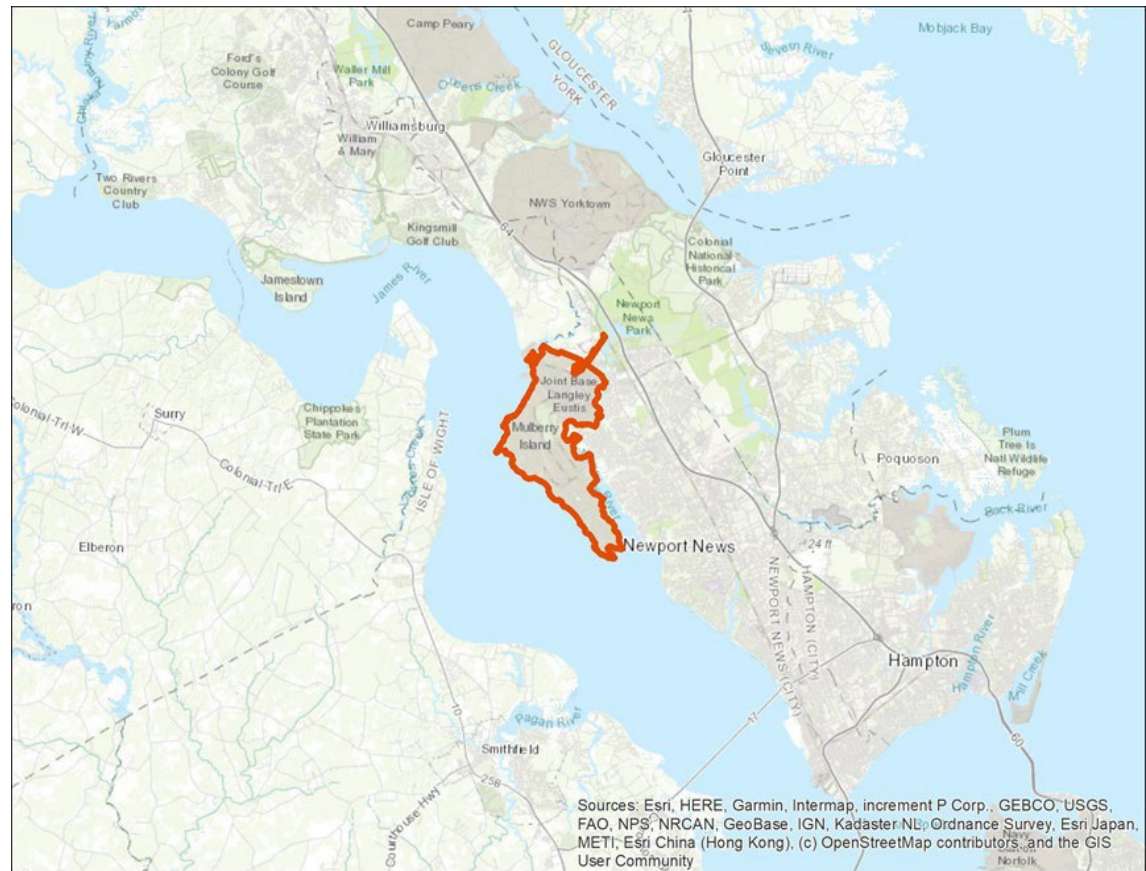
Joint Base Langley-Eustis

Fort Eustis
Environmental Restoration Program

**AFCEC/CZOE – JBLE ISS
Mar 2024**

Provide an overview of the Joint Base Langley-Eustis (JBLE) – Eustis Environmental Restoration Program (ERP) including:

- History of Fort Eustis Operations
- ERP Program Overview
- Installation Restoration Program (IRP)
- Military Munitions Response Program (MMRP)
- Per- and Polyfluoroalkyl Substances (PFAS)
- Community Involvement Plan





JBLE – Eustis Operations



Historic Operations at Fort Eustis / JBLE-Eustis

- 8,200-acre Fort Eustis on peninsula formed by Warwick and James Rivers in Newport News, Virginia (VA)
- Established during World War I, operations included:
 - Training Center for Coast Artillery Corps
 - Balloonist School
- Post-World War I operations included:
 - Federal corrections camp
 - Works Progress Administration facility
 - National Youth Administration facility
 - Bombing range for Langley Air Force Base
 - Anti-aircraft training facility
 - Prisoner-of-war camp
 - Transportation training center



Photo: Historic photograph of the Fort Eustis gates.



Photo: Fort Eustis, Virginia, Transportation Officer Candidate School attendees pose for a photo.

- JBLE-Eustis is the current home to the Army Transportation Center; training in all modes of transportation, aviation maintenance, logistics and deployment doctrine
- Identified ERP sites included landfills, Underground Storage Tanks (USTs), pesticide storage areas, range/impact areas, and surface impoundments



Photo: Felker Heliport, the Department of Defense's first airfield dedicated solely to helicopters.



Photo: U.S. Army Pvt. Cameron Guy reads a systems console for a Boeing AH-64 Apache attack helicopter simulator, while fellow student U.S. Army Pfc. Brady Peckinpaugh reviews the reading from the cockpit at Joint Base Langley-Eustis, July 22, 2022. (U.S. Air Force Photo by Abraham Essenmacher).



JBLE – Eustis ERP Overview



What has led to the development of the JBLE – Eustis ERP?

- The potential risk to human health and the environment was significant enough for the U.S. Environmental Protection Agency to place Fort Eustis on the National Priorities List (NPL) in Dec 1994 due to:
 - Analysis of samples indicated presence of polychlorinated biphenyls (PCBs), pesticides, polyaromatic hydrocarbons (PAHs), and lead in surface water and sediment
 - Migration of contaminants to creeks, estuaries, and upper water table at some sites; potential impact to James River

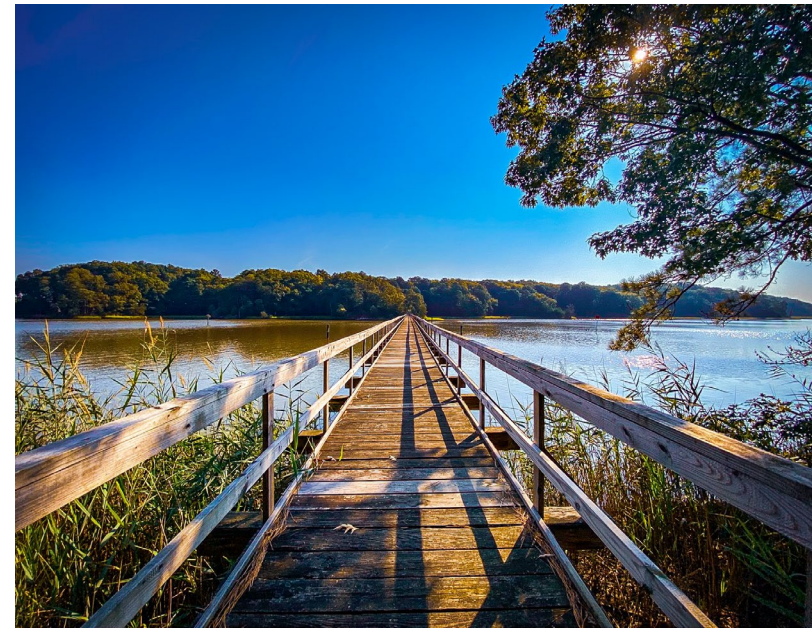


Photo: Remedial actions at Bailey Creek removed and disposed of 296 tons of PCB-contaminated sediment and clay, achieving response complete status in Jan 2022

- JBLE was formed on 1 Oct 2010. U.S. Air Force assumed the U.S. Army's obligations under the 2008 Federal Facility Agreement (FFA) to outline how to proceed with cleanup
- Documentation of cleanup efforts are available on the Administrative Record:
 - <https://ar.afcec-cloud.af.mil>
 - Select Fort Eustis, VA
 - Filter by site
 - Over 2500 records for JBLE-Eustis ERP



Photo: A team conducts an inspection of Lake Eustis. Land use control signage is visible near the shoreline.

The ERP consists of IRP, MMRP and PFAS:

- **IRP sites: 30**
 - Closed: 22
 - Study Phase/Remediation: 4
 - Long Term Monitoring (LTM)/ Post Closure Ops: 4
- **MMRP sites: 17**
 - Closed (No Further Action/ Admin Closure): 9
 - Study Phase: 8
- **PFAS sites: 3**
 - Study Phase: 3
 - All associated with Aqueous Film Forming Foam (AFFF)
 - PFAS Phase 1 Remedial Investigation underway
 - Study underway to investigate if there maybe impacts associated with non-AFFF PFAS



Photo: Land Use Control signage at Brown's Lake.



JBLE – Eustis IRP Activities



- **Landfill 1 (LF001) in study**
 - Previously in Long-Term Monitoring (LTM); identified additional soil cover needed
 - Pre-design investigation underway to address sea level rise/climate change and incorporate native vegetation
- **Landfill 7 (LF004) in LTM**
 - Maintenance completed in Fall 2023
- **Eustis Lake (CS036), Brown's Lake (SI029), and Bailey Creek (CS030) in LTM**
 - Currently Land Use Controls restricting sediment disturbance
 - Catch and release fishing at Eustis Lake and Brown's Lake
 - Catch and release fishing at Bailey Creek only from footbridge down gradient of site
- **733d Civil Engineering Squadron investigating dams at Eustis Lake and Brown's Lake**



JBLE – Eustis IRP Activities



- **Skeet Range Upland (SR037) and Skeet Range Wetland (SR038)**
 - Clean-up activities completed January 2021
 - Further erosion control/vegetation re-establishment in progress
 - Boundary survey completed to finalize Remedial Action Completion Report (RACR)
 - Estimated Response Complete (RC) date is 31 Aug 2024
- **Former Fire Training Area (AT006) in study**
 - Draft Final Supplemental Remedial Investigation Report
- **Five-Year Review (FYR)**
 - Third FYR determined sites protective of human health & environment
 - Fourth FYR Community Notification published 23 Nov 2022
 - USEPA/VDEQ reviewed draft fourth FYR; United States Army Corps of Engineers are addressing comments
 - USEPA deferred decision of fourth FYR until 15 Oct 2024

JBLE – Eustis IRP Sites



SITE STATUS

- Active Sites
- Closed/NFA



JBLE – Eustis MMRP Activities



- **17 Areas – Identified as potential “ranges”**
- **9 Areas – No Further Action (NFA): ineligible, no hazard or never built**
- **8 Areas – Under study**
 - **2 Areas – Site Inspection Phase:**
 - Towable Target Range (FR008)
 - Western Shore Ranges (FR015)
 - **6 Areas – Remedial Investigation (RI) Phase:**
 - Langley Field Gunnery Range (SR004) / Bombing Target H (XU002) – Draft Quality Assurance Project Plan
 - 1000” Rifle Range (SR012)
 - Shotgun Range (SR013) / Shotgun Range TD (SR014)
 - Camp Wallace Firing Fan (FR011)

SR – Small Arms Range FR – Firing Range XU – Unexploded Munitions Area

“People First... Aim High... Army Strong!”

JBLE – Eustis MMRP Sites



SITE STATUS

- Active Sites
- Closed/NFA

NOT SHOWN

- PR001 Pistol Range (never built)
- SR007 Thompson Circle Range (never built)
- SR009 Mulberry Island Aerial Gunnery Range (ineligible)
- UX010 Range Impact Area (ineligible)
- FR010 Towable Target Range (never built)

PR – Pistol Range SR – Small Arms Range FR – Firing Range XU – Unexploded Munitions Area

“People First... Aim High... Army Strong!”

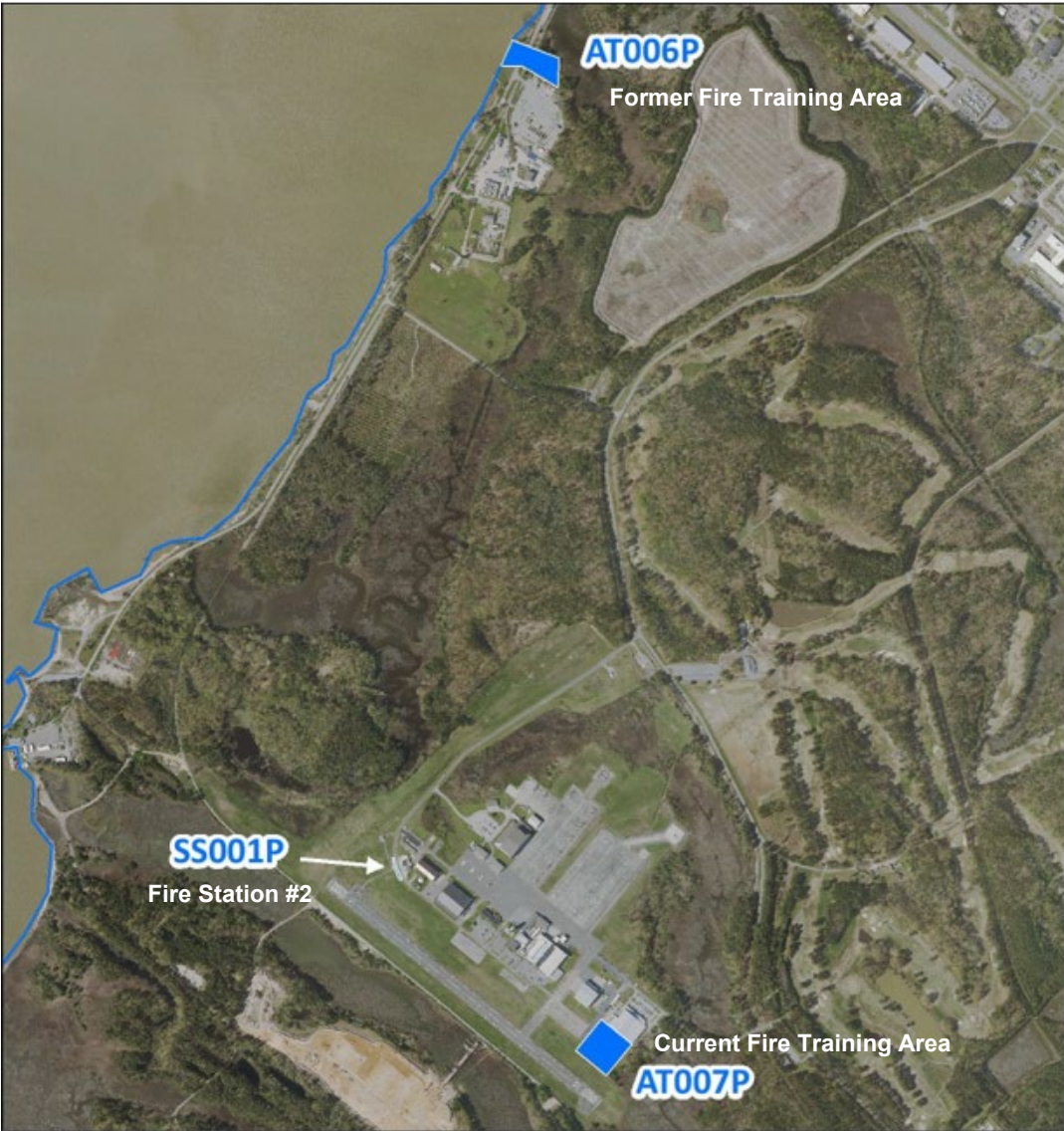


JBLE – Eustis PFAS Activities



- Apr 2015 – Final Preliminary Assessment
- Jun 2017 – Final Site Inspection at 3 areas
 - Former Fire Training Area (AT006P), Current Fire Training Area (AT007P), and Fire Station #2 (SS001P)
 - USEPA's 2016 perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) lifetime health advisories for drinking water were exceeded in groundwater at the 3 areas
 - No human health exposures identified; drinking water supplied by Newport News Water Works
- Phase 1 RI contract awarded – Jun 2022
 - Phase 1 RI to determine nature and extent in soil and groundwater
 - Final Report – Estimated Completion Date (ECD): Jul 2025
- Phase 2 RI – Estimated Start Date (ESD) 2025
 - Conduct human health and ecological risk assessments

JBLE – Eustis PFAS Sites



SITE STATUS

 Active Sites

- Due Diligence project for Non-AFFF Areas at JBLE-Eustis
 - Kickoff meeting held on 27 Jan 2023
 - Reviewed historical records and conducted interviews on activities that may have contributed to PFAS impacts from non-AFFF sources
 - e.g., wastewater treatment plants, paint booths, motor pools, radar domes
 - Due Diligence report may recommend sampling in a site inspection to determine if further non-AFFF PFAS investigation is warranted
 - Due Diligence project report ECD: TBD





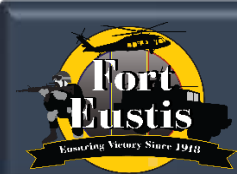
JBLE – Eustis Community Involvement Plan



- Drafting JBLE-Eustis Community Involvement Plan (CIP) – ECD 2025
- Previous plan updated 2020
- JBLE-Eustis does not have a Restoration Advisory Board (RAB)
 - Community interest in establishing a RAB was assessed from Mar-Apr 2023. A total of 3 community members responded; no RAB recommended at this time
 - Previous Technical Review Committee inactive since 2012 due to lack of public interest
- Seeking new means of public outreach for JBLE-Eustis
 - Met with community members
 - Assisted third grade anti-littering project
- If interested in public involvement, email 733MSG.733CES.EUSTISRESTORATION@us.af.mil



Photo: Volunteers participate in a cleanup event at JBLE-Eustis, Virginia, April 20, 2023.



JBLE-Eustis ERP Contact/Web Site Information



- JBLE-Eustis Restoration
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matthew.moore.82.ctr@us.af.mil
- Public Administrative Record: <http://ar.afcec-cloud.af.mil/>
- JBLE Facebook: <https://www.facebook.com/JointBaseLangleyEustis>
- JBLE Website: <https://www.jble.af.mil>
- JBLE-Eustis Environmental Facebook:
<https://www.facebook.com/forteustisenvironment?mibextid=LQQJ4d>
- JBLE-Eustis Environmental Website:
<https://www.jble.af.mil/Units/Army/Eustis-Enviromental/>