



# 733d Mission Support Group



Joint Base Langley-Eustis

Fort Eustis  
Environmental Restoration Program

**D Chock - Eustis  
AFCEC/CZOE  
January 2023**

This Briefing is:  
**UNCLASSIFIED**

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*"People First... Aim High... Army Strong!"*

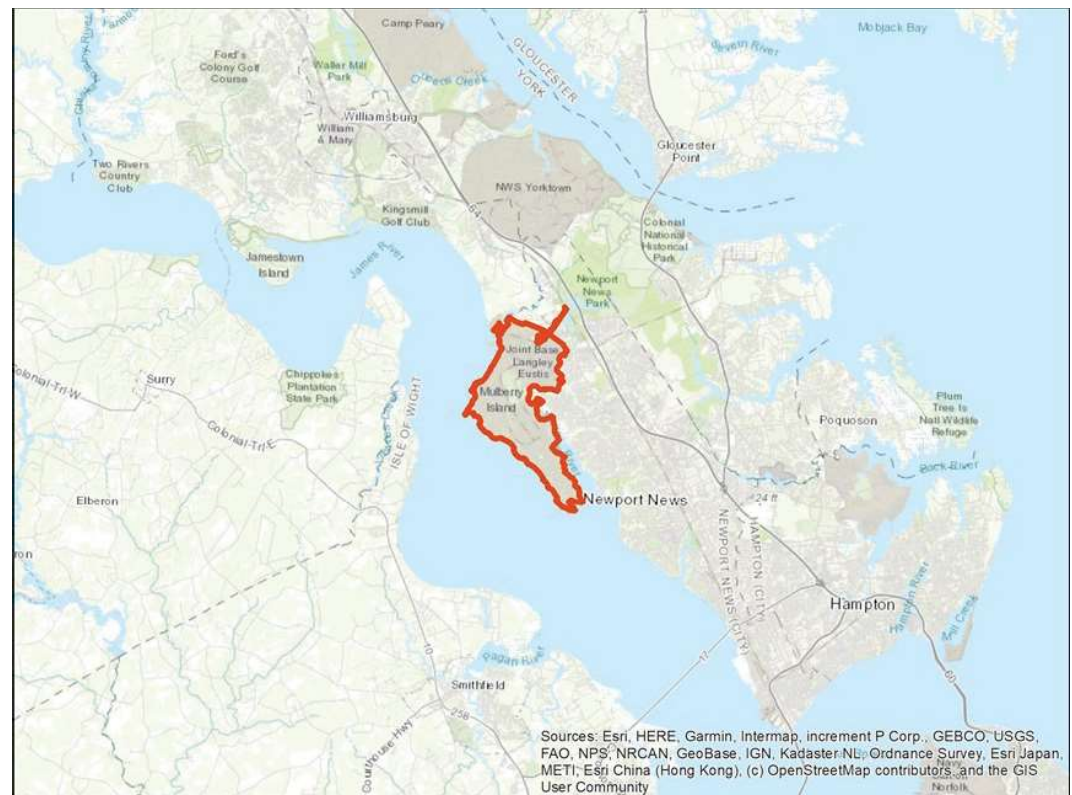


# Purpose



**Provide 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 correction 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 Operations



- 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 U.S. Environmental Protection Agency (USEPA) to place Fort Eustis on the National Priorities List (NPL) in December 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 and estuaries and the upper water table at some sites; potential for impact to the James River



Photo: CERCLA remedial actions at Bailey Creek (pictured) removed and disposed of 296.33 tons of PCB-contaminated sediment and clay, achieving response complete status in January 2022.



# JBLE – Eustis ERP Overview



- On October 1, 2010, Joint Base Langley-Eustis formed and the 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/Default.aspx>
  - Select Fort Eustis, VA
  - Over 2500 records for JBLE-Eustis Restoration



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





# JBLE – Eustis ERP Overview



The ERP consists of IRP, MMRP, and Emerging Contaminants

- **IRP Sites: 30**
  - Closed: 22
  - Study Phase: 4
  - Long-Term Monitoring (LTM) / Post Closure Ops: 4
- **MMRP Sites: 17**
  - Closed (No Further Action / Admin Closure: 9
  - Study Phase: 8
- **Emerging Contaminant – Per- and Polyfluoroalkyl Substances (PFAS) Areas: 3**
  - Study Phase: 3



Photo: Land Use Control signage on the Bailey Creek footbridge.



# JBLE – Eustis IRP Activities



- **Landfill 001 in study**
  - Previously in LTM; identified additional soil cover needed
  - Pre-design investigation underway
- **Landfill 004 in LTM**
- **Water sites in LTM: CS036 Eustis Lake, SI029 Brown's Lake and CS030 Bailey Creek**
  - Currently Land Use Controls restricting sediment disturbance
  - Catch and release fishing at CS036 and SI029
  - Catch and release fishing at CS030 only from footbridge down gradient of site
- **Last Five-Year Review determined sites protective of human health and the environment**





# JBLE – Eustis IRP Activities



- **SR037 and SR038 Upland and Wetland Skeet Range**
  - Clean-up activities completed 2020
  - Further erosion control/vegetation re-establishment needed
  - Boundary survey needed to finalize Remedial Action Completion Report
- **AT006 Former Fire Training Area in study**
  - Draft Final Supplemental Remedial Investigation Report
- **Five-Year Review**
  - Kickoff Aug 2022
  - Community Notification Published 23 Nov 2022
  - Draft Five-Year Review to USEPA and Virginia Department of Environmental Quality (VDEQ) Jun 2023



## Active Sites



Closed/NFA



# JBLE – Eustis MMRP Activities



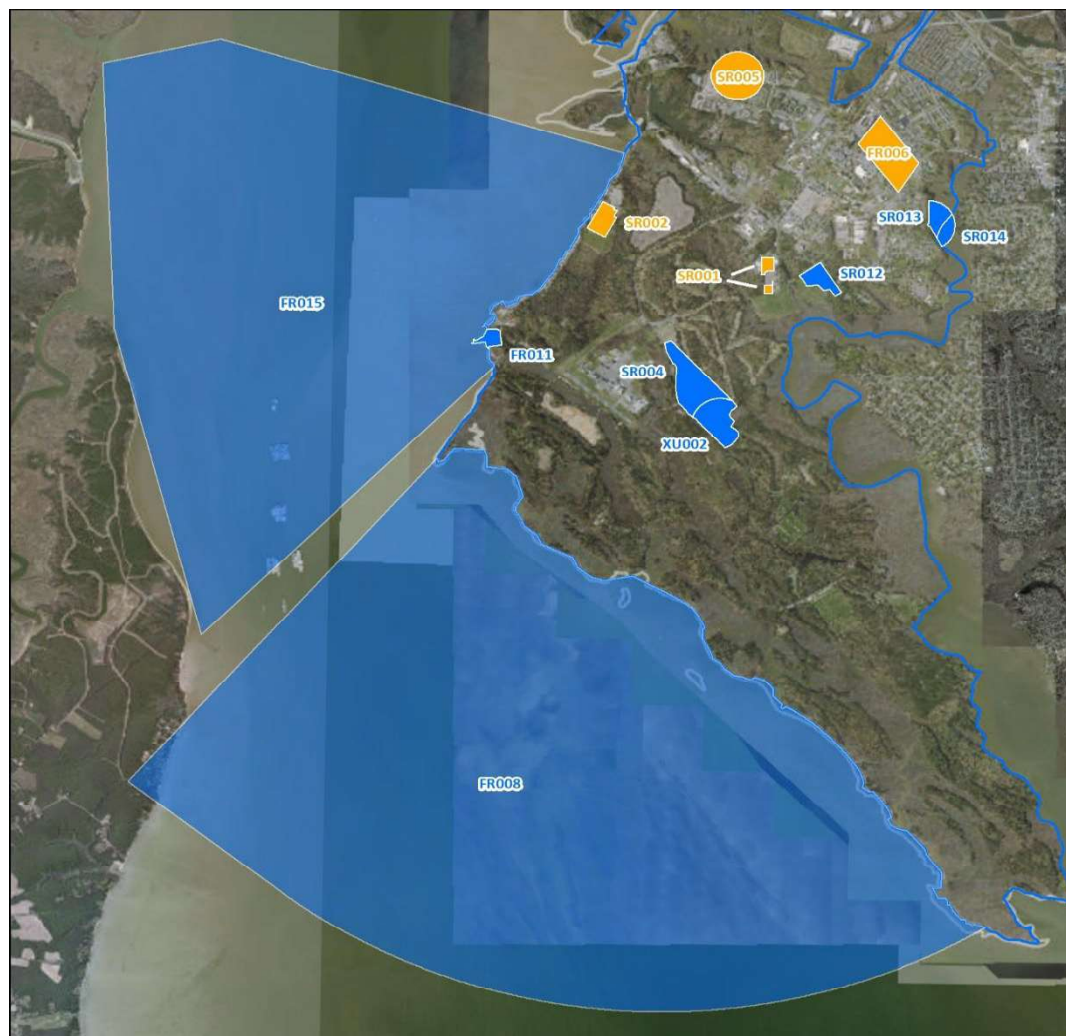
- **17 Areas – Identified as potential “ranges”**
- **9 Areas – No Further Action (NFA): ineligible, no hazard or never built**
- **8 Areas – Under study**
  - **2 Areas – Site Inspection Phase:**
    - FR008 Towable Target Range
    - FR015 Western Shore Ranges
  - **6 Areas – Remedial Investigation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

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


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# JBLE – Eustis MMRP Activities



## 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**

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# JBLE – Eustis PFAS Activities



- Apr 2015 - Final Preliminary Assessment
- Jun 2017 - Final Site Inspection at 3 areas
  - Former Fire Training Area, Current Fire Training Area & Fire Station #2
  - 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/extent in soil and groundwater
  - Draft Report Estimated Completion Date (ECD): Nov 2024
  - Final Report ECD: Jul 2025
- Phase 2 RI - Estimated Start Date (ESD) 2025
  - Conduct human health and ecological risk assessments

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# JBLE – Eustis PFAS Site Map



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# JBLE – Eustis Community Involvement Plan



- Drafting JBLE-Eustis Community Involvement Plan (CIP) – ECD 2024
- Previous plan updated 2020
  - JBLE-Eustis does not have a Restoration Advisory Board (RAB)
  - Previous Technical Review Committee inactive since 2012 due to lack of public interest
- Upcoming Community Notification – Community Interest Survey being standardized across Air Force – ECD 2023
- Seeking new means of public outreach for JBLE-Eustis
- If interested in public involvement, contact JBLE-Eustis Remedial Program Manager



Photo: Volunteers participate in a cleanup event at JBLE-Eustis, Virginia, April 21, 2021. (U.S. Air Force photo by Senior Airman John Foister)





## JBLE-Eustis ERP Contact/Web Site Information



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- Matt Moore, Environmental Restoration Support Contractor, 757-878-5219
- 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/>