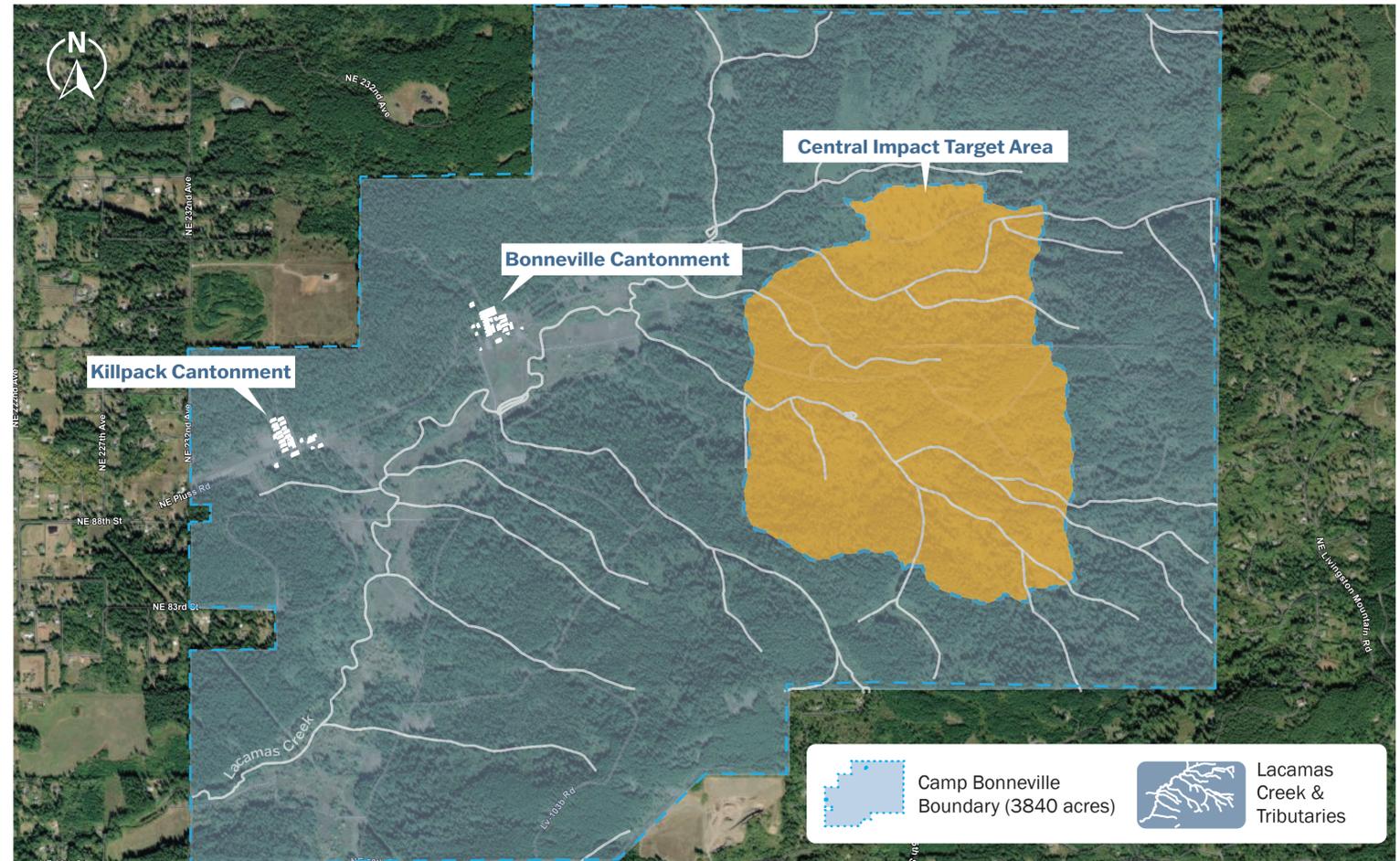


Overview - First Periodic Review of Cleanup Activities

The Periodic Review reports on the effectiveness of ongoing and completed cleanup actions.

Site History

- 1909** The U.S. Army established Camp Bonneville as a field and rifle range, and it grew to include machine gun, grenade, and artillery ranges.
- 1995** Site closed under the U.S. Department of Defense's Base Realignment and Closure program.
- 2003** Cleanup transitioned from federal to state regulation under an enforcement order issued by Ecology, and then subdivided the site into Remedial Action Units: RAU 1, RAU 2A, RAU 2B, RAU 2C, and RAU 3.



Timeline



Completed Cleanup Actions

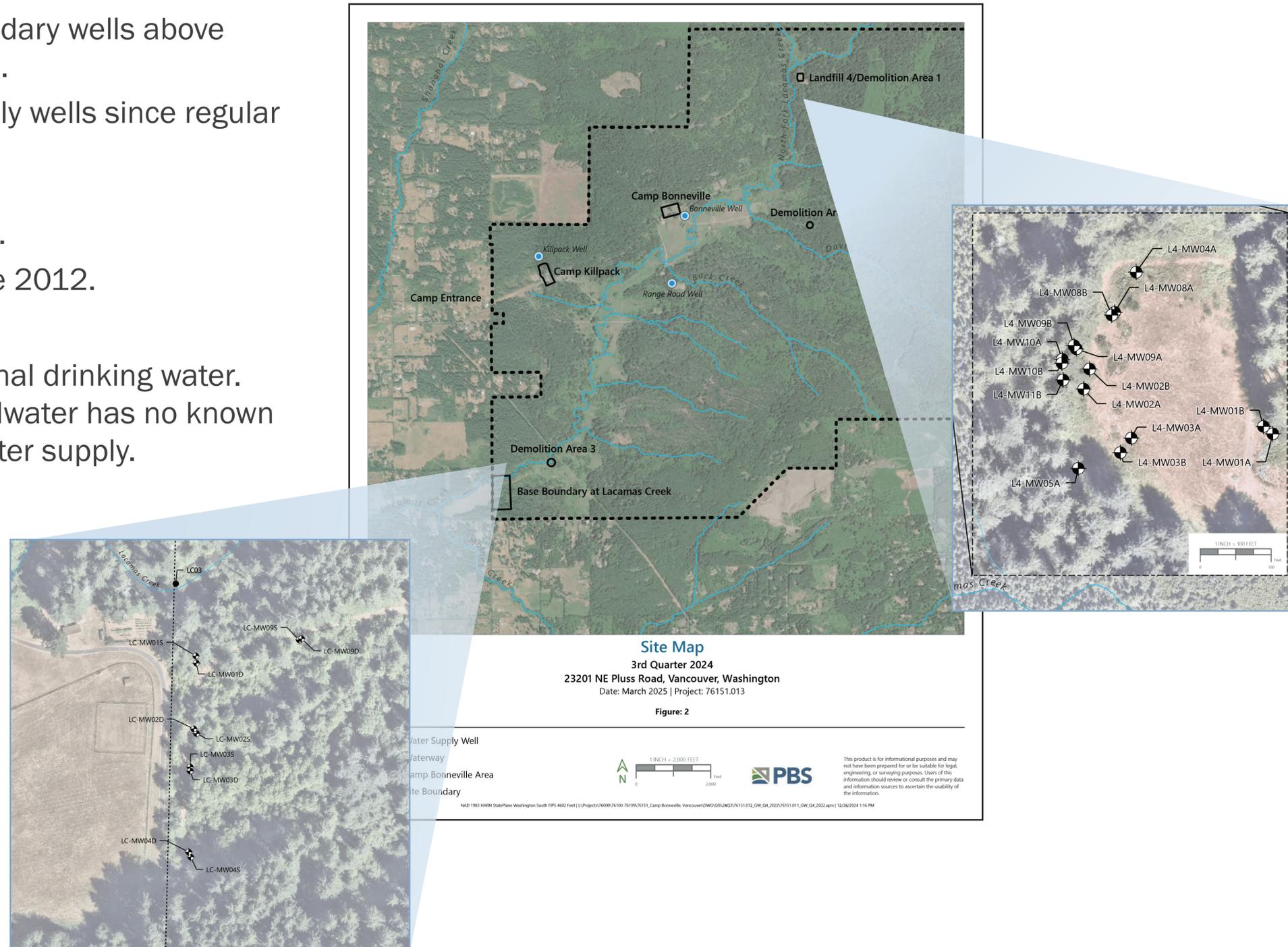
The Remedial Action Units at this site were established based on the nature of the contaminants of concern. Actions have been completed for RAU 1, RAU 2A, RAU 2B, and RAU 3.

Ongoing Cleanup Actions

Cleanup work continues for RAU 2C

Groundwater Monitoring at Camp Bonneville

- Groundwater monitoring occurs every quarter at Landfill 4/Demolition Area 1, Base Boundary wells, and water supply wells.
 - No detections at Base Boundary wells above screening levels since 2003.
 - No detections in water supply wells since regular monitoring began in 2018.
- Lacamas Creek monitored annually.
 - No detections in creek since 2012.
- No evidence of risk to local or regional drinking water. Landfill 4/Demolition Area 1 groundwater has no known pathway to the regional drinking water supply.



Institutional Controls Protect Human Health and Environment

Types of Institutional Controls

Institutional controls are used to ensure protection of human health and the environment when it is not practical to remove all contamination from a site.



Physical Barriers

- Fencing along perimeter of property and Central Impact Target Area
- Clean soil covers



Use Restrictions

- Ground-disturbing activities restricted
- Limited access and development within the Central Impact Target Area restricted
- Cleanup if buildings are removed



Educational

- Informational signage and kiosks
- Warning signs and place markers
- County employees certified as UXO technicians



Maintenance & Monitoring

- Long-term Operation and Maintenance Plan
- Annual inspections of Central Impact Target Area
- Site-wide groundwater monitoring
- Construction support for forest management



Recommendations from the Periodic Review



Develop Long-Term Operations and Maintenance Plan

- Focus on immediate needs, then address remaining requirements



Fully Implement Institutional Controls

- Identify and prioritize implementation based on immediate need
- Ensures the site remains safe for future uses



Reuse Plan Is Out of Date

- Update park plans to align with completed cleanup actions



Administrative Updates

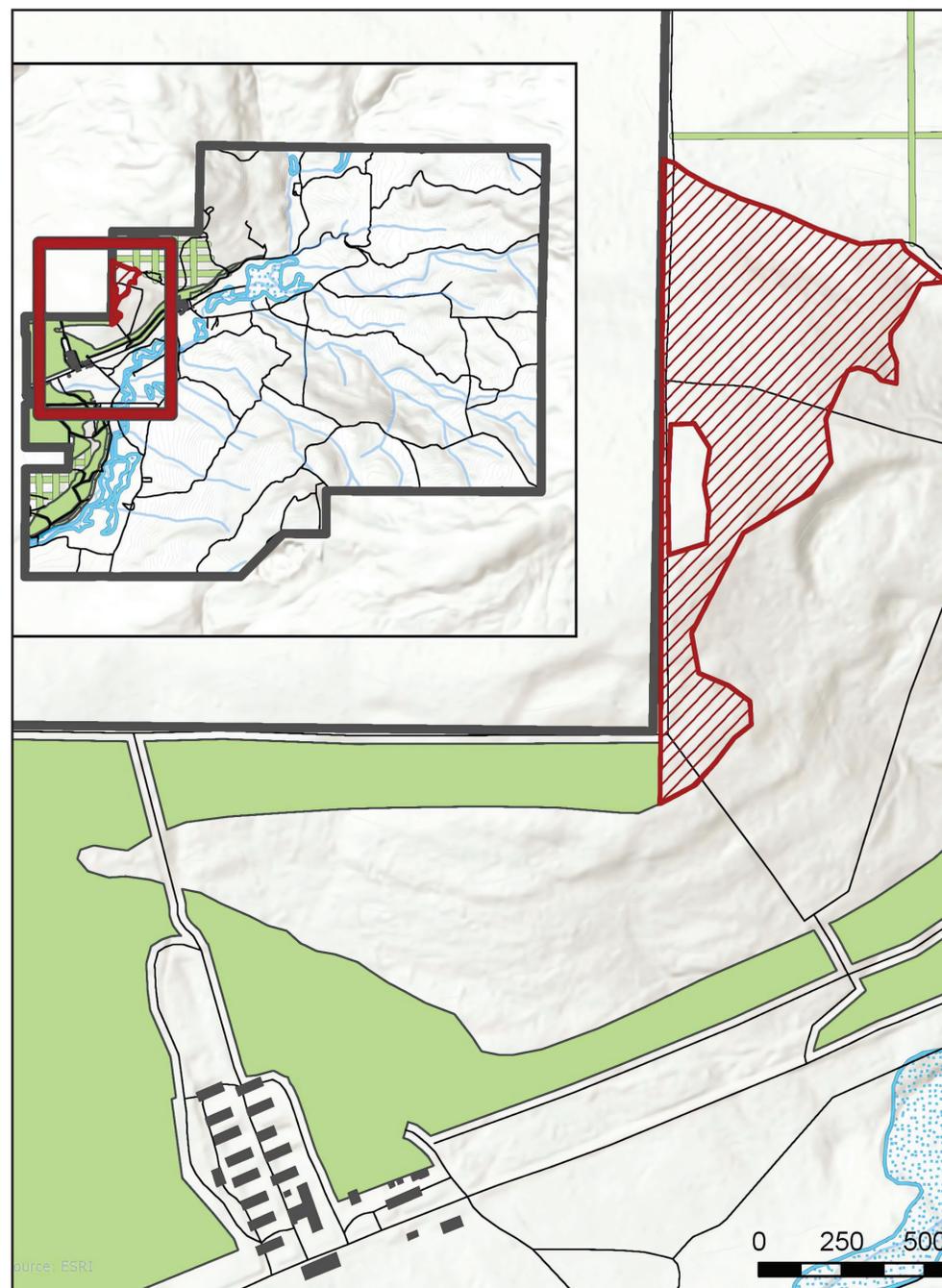
- File existing cleanup action plan amendments with the courts
- Amend the consent decree to clarify roles and responsibilities
- Record restrictive covenants



Amend Cleanup Action Plans

- Requirement for vapor intrusion assessment for RAU 1 Cleanup
- Create Institutional Controls for monitoring and maintenance of soil covers for RAU 2A Cleanup
- Create additional institutional controls and clarify requirements for the RAU 3 Cleanup

Western Slope Area Discrepancy



AST #1 Before



AST #1 After



AST #3 Before



AST #3 After