

Air Force Civil Engineer Center



Hill AFB PFAS Investigation Update

City of South Weber

Jarrold Case

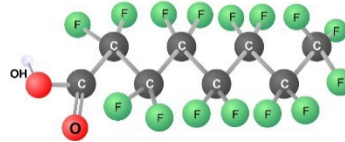
AFCEC/CZRW

8 September 2026

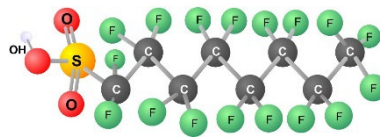
Shouldering the Future Together!

Per- and polyfluoroalkyl substances (PFAS) are a class of 9,000+ synthetic fluorinated organic chemicals used in industrial and consumer products, including nonstick cookware, waterproof fabric, some food packaging, and the firefighting agent Aqueous Film Forming Foam (AFFF).

PFOA (Perfluorooctanoic acid)



PFOS (Perfluorooctanesulfonic acid)





EPA Maximum Contaminant Levels



- **26 April 2024 - EPA published legally enforceable drinking water standards, or Maximum Contaminant Levels (MCLs), under the Safe Drinking Water Act (SDWA):**
 - **Five PFAS compounds - PFOA, PFOS, PFNA, PFHxS, and HFPO-DA**
 - **Hazard Index Level of 1 for mixtures of two or more PFAS compounds including: PFHxS, PFNA, HFPO-DA, and PFBS**

Chemical	Maximum Contaminant Level (MCL)
PFOA	4 ppt
PFOS	4 ppt
PFNA	10 ppt
PFHxS	10 ppt
HFPO-DA (GenX)	10 ppt
Mixture of two or more: PFNA, PFHxS, HFPO-DA, and PFBS	Hazard Index of 1

ppt: Parts per trillion. A part per trillion is equivalent to one drop of water in 20 Olympic-sized swimming pools.



MCLs - Air Force Plan of Action



Key Point: No one on or around Hill AFB is drinking water with PFOS or PFOA from the Air Force above the MCLs.

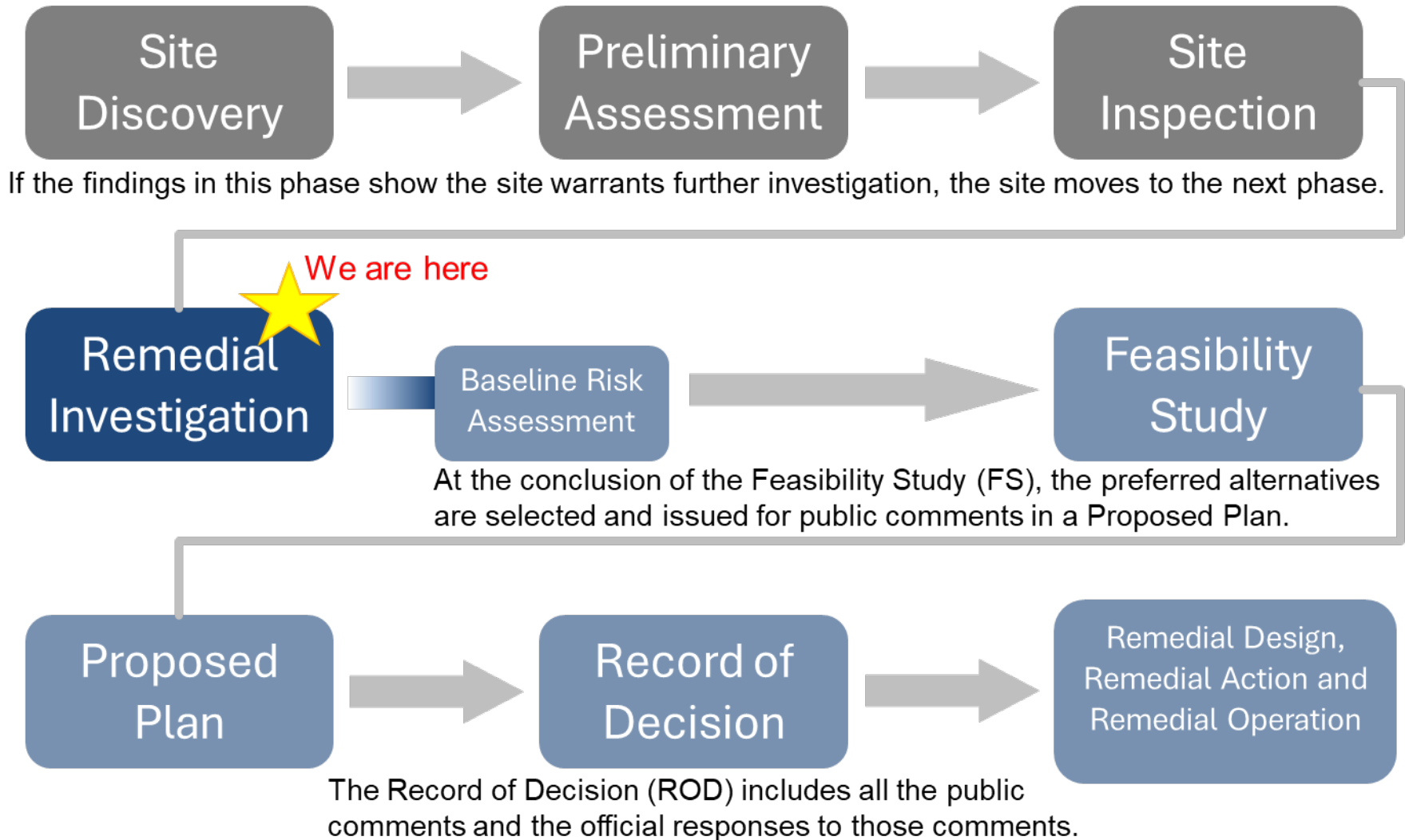
- Rule provides five years for regulated public water systems to comply with the MCLs
- DoW will work to implement these standards at all private drinking water wells impacted by PFAS from DoW activities
- MCLs can be used as cleanup standards or as risk trigger levels to take interim actions (e.g., private drinking water well treatment), under the federal cleanup law, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
 - Air Force continues to collect and review PFAS sampling results
 - Air Force will expand existing cleanup investigations, and assess “background” levels of PFAS
 - Provide drinking water treatment for impacted off-base wells on prioritized basis, with focus on installing enduring solutions such as municipal connections or whole house filtrations
 - Prioritize locations where known levels of PFAS in drinking water from Air Force activities are the highest (>3 x MCL first, followed by <3 x MCL)



CERCLA Process

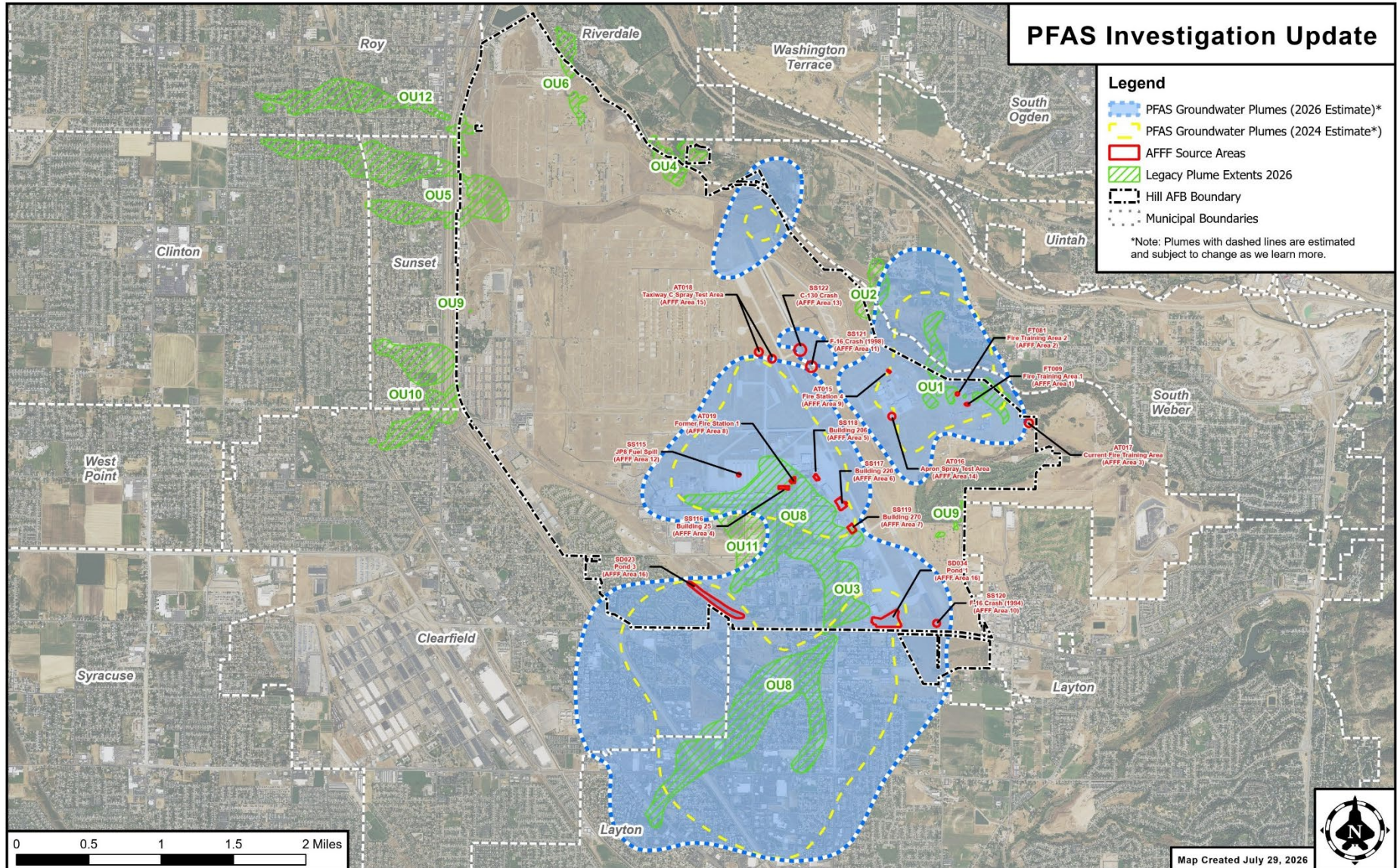


Comprehensive Environmental Response, Compensation, & Liability Act



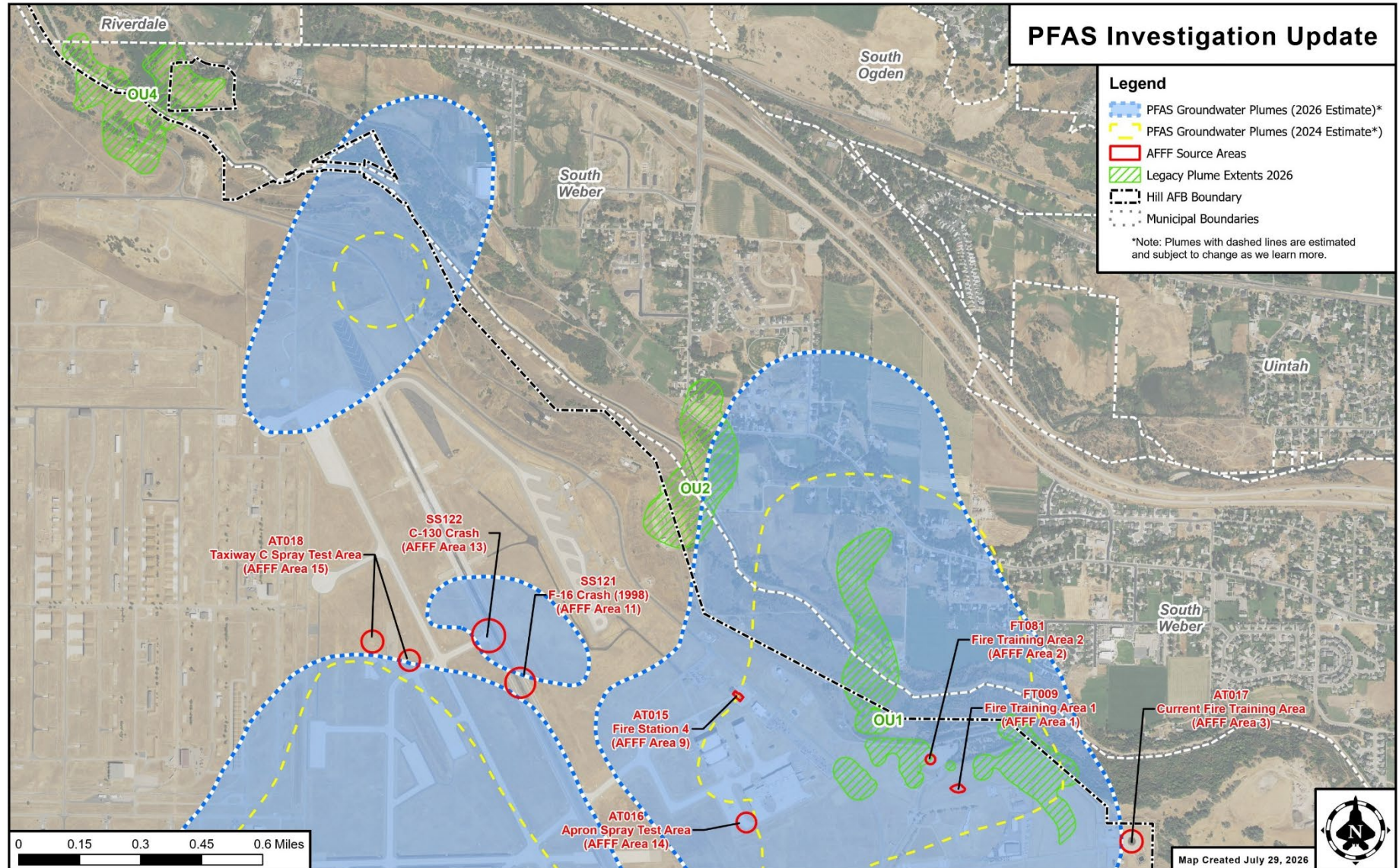


Current Status of PFAS Investigation at Hill AFB





PFAS in South Weber





PFAS Next Steps



- **Wrapping up Phase 1 Remedial Investigation (AFFF) reporting**
- **Additional work required to fill data gaps**
 - **Phase 1a – continue nature and extent investigation**
 - **Due Diligence Project – Preliminary Assessment**
 - Non-AFFF sources and AFFF at other sites
 - **Background Study – background levels for soil, groundwater, surface water, and sediment**
- **Phase 1a RI currently programmed for FY27**
 - **Dependent on Air Force prioritization and funding availability**

Air Force Civil Engineer Center



Operable Unit 1 Sites LF001 and WP002 Record of Decision Amendment

**Julie McNeill
AFCEC/CZRW
08 September 2026**

Your Success is Our Mission!

Operable Unit 1



Implemented Remedy



**Groundwater
Dewatering**



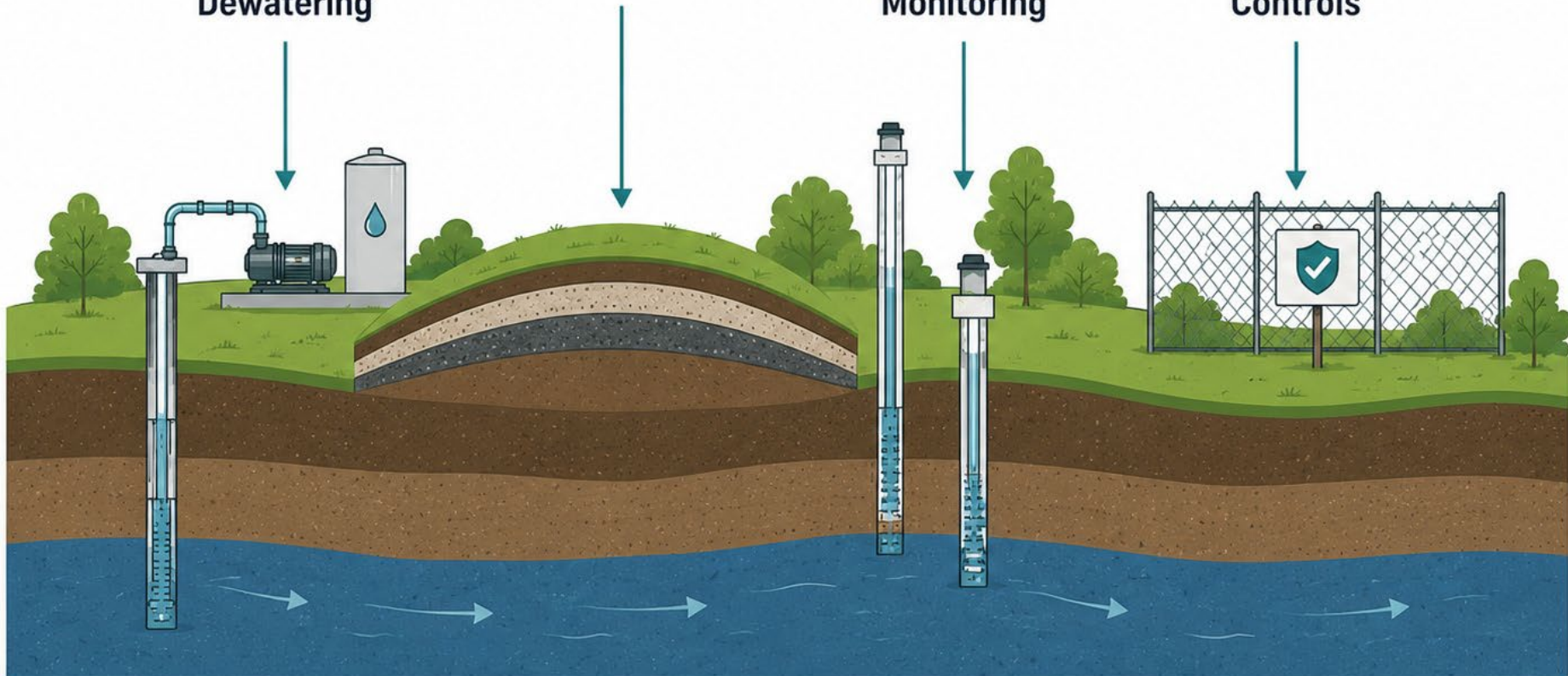
Landfill Cap



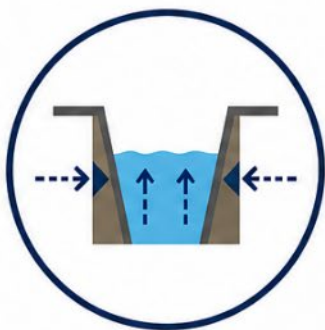
**Long-Term
Monitoring**



**Land Use
Controls**



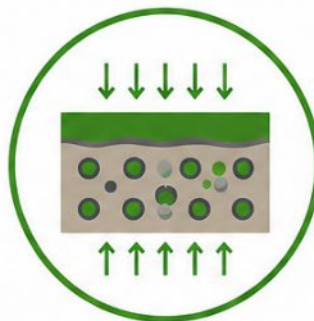
ROD Amendment



1

TRENCH D EXPANSION

- Expands groundwater capture.
- Controls plume migration along the property boundary.



2

ERD BARRIER

- Treats chlorinated solvent source areas.



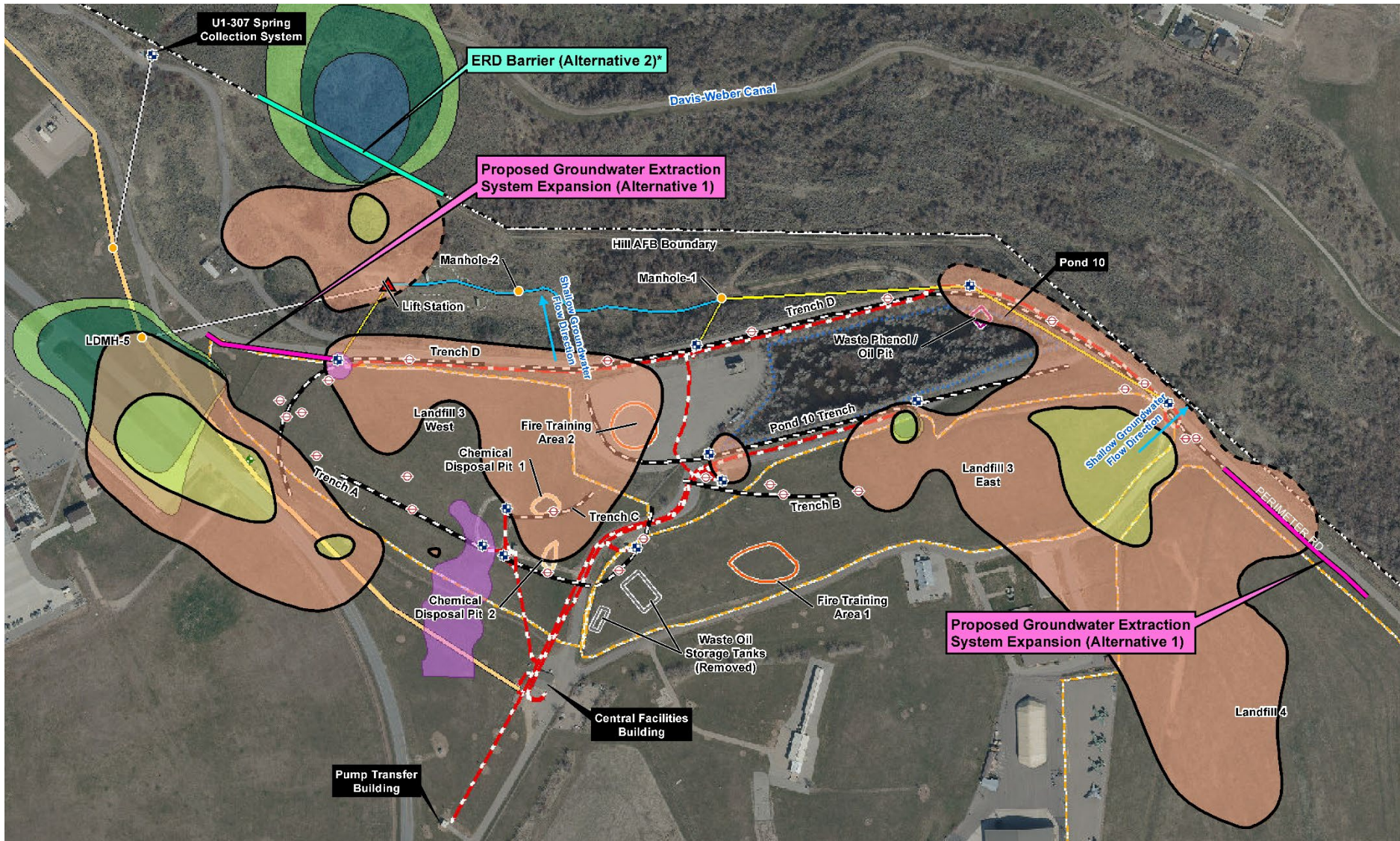
3

COLLOIDAL ACTIVATED CARBON BARRIER

- Reduces offsite plume footprint.
- Polishes remaining dissolved contaminants.



Trench D Expansion and ERD Barrier (On-Base)





Colloidal Activated Carbon (Off-Base)





Contact Information



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Questions

