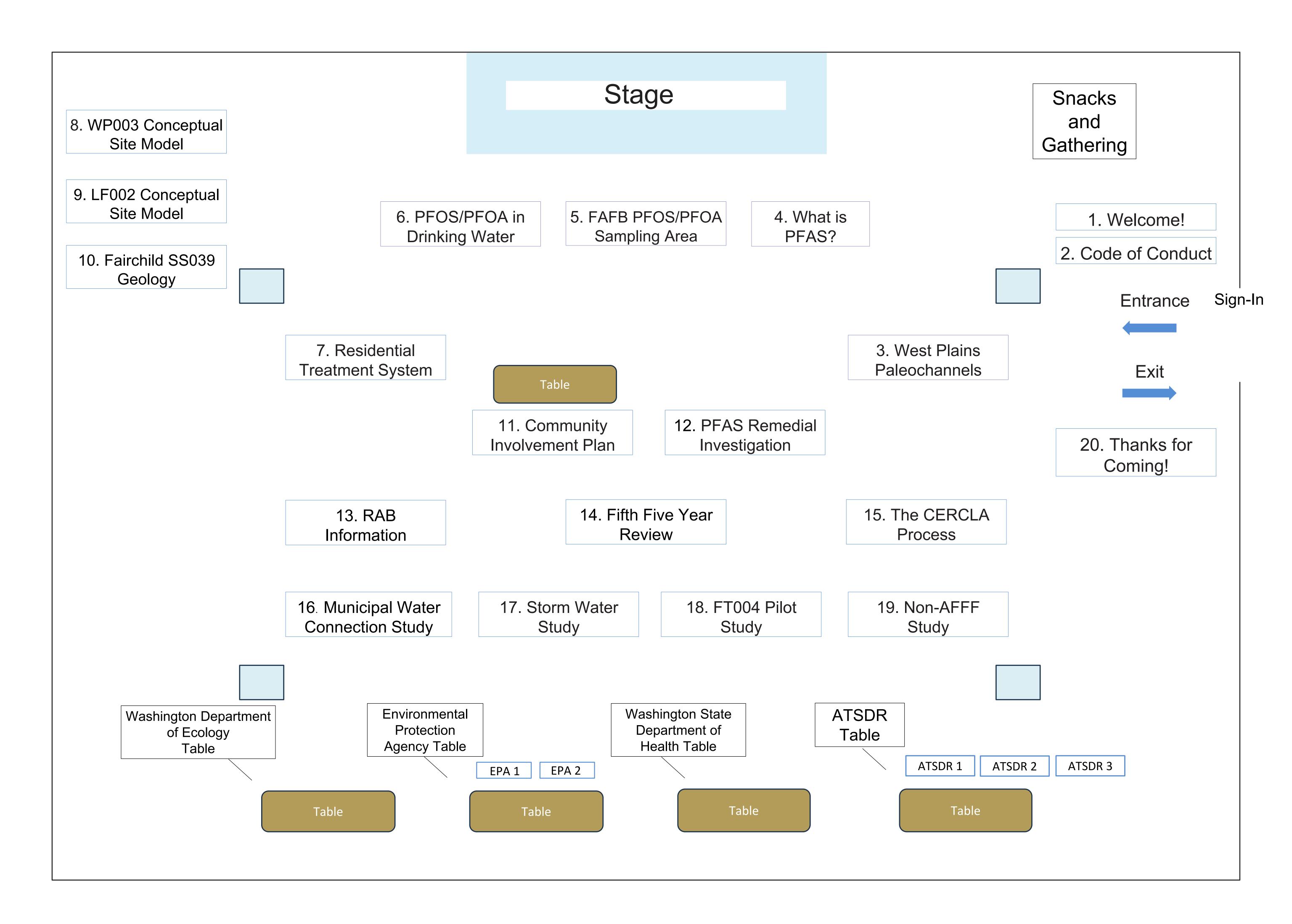
Fairchild AFB Open House Poster Guide







Public Code of Conduct for Fairchild Air Force Base Restoration Advisory Board (RAB)

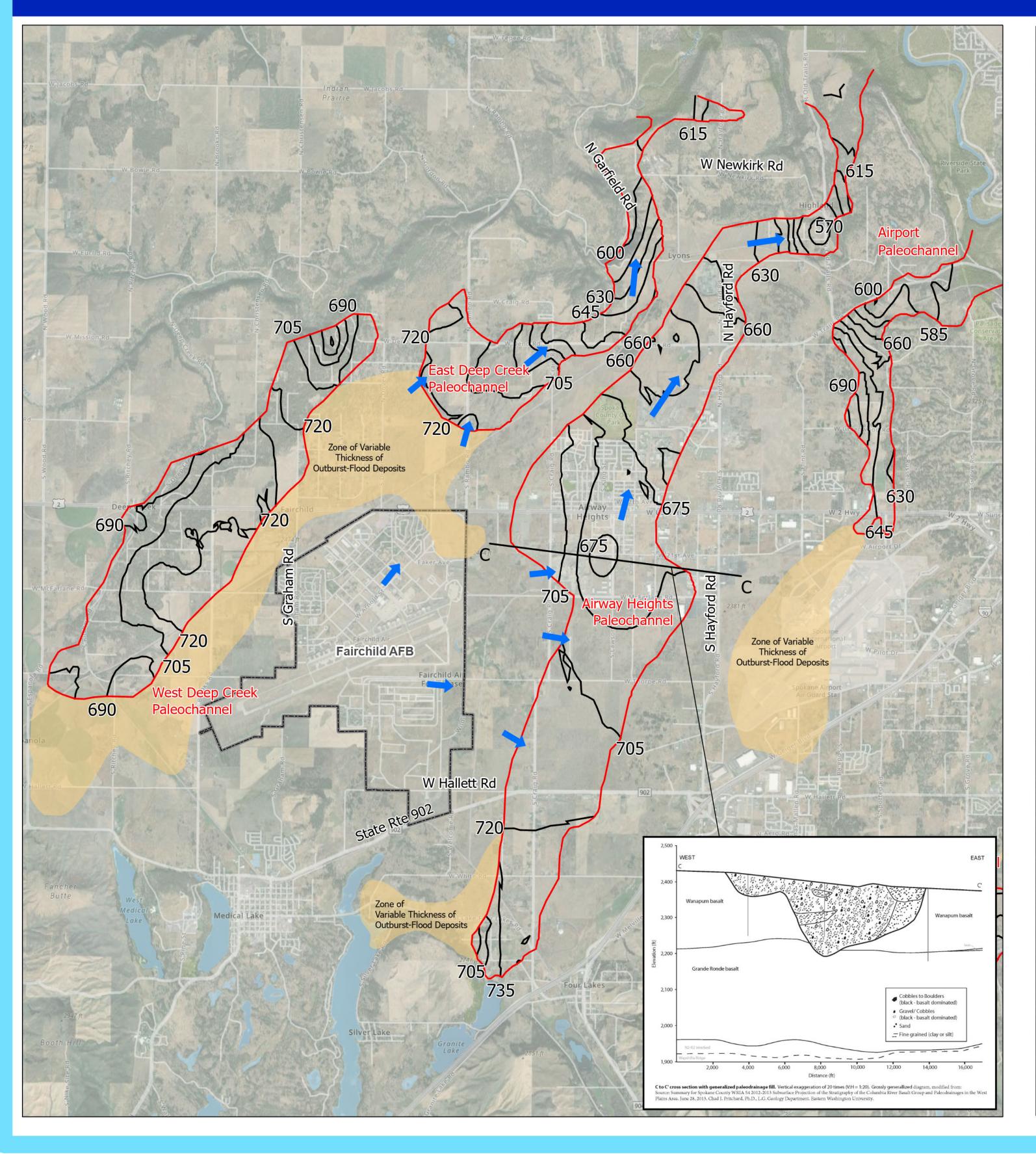
- Commentors shall be courteous and respectful at all times.
- Interruptions will not be tolerated during the RAB presentations or while another person is speaking.
- Profanity or any use of inappropriate language during the presentations or public comment period is prohibited.
- Instigating any type of mass outbursts by the public will not be tolerated.
- The RAB facilitator may limit length of comments to manage meeting and presentation times. Public comments during the public comment opportunity will be limited to ten minutes.
- The RAB facilitator will moderate the meeting to ensure the meeting stays on schedule and focused on the topics at hand.
- All members of the public are asked to remain seated in the area designated for the public during the RAB presentation.
- Racist, sexist, or homophobic comments will not be tolerated.

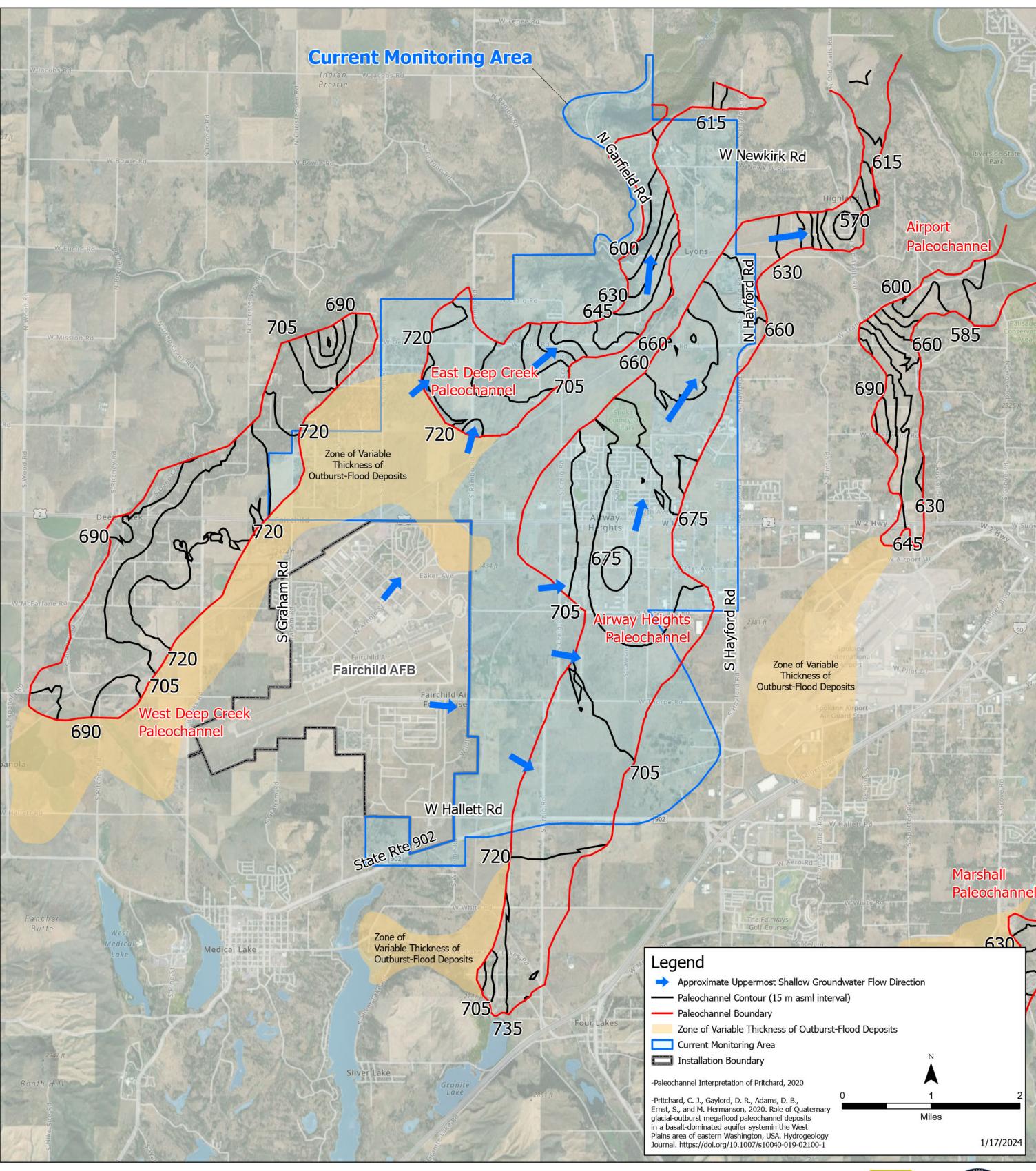






West Plains Hydrology: Mapping of Paleochannels and Sampling Overview











Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Chemical Properties and Uses:

- PFAS are a group of highly durable chemicals resistant to heat, water, and oil. Since the 1940s, they've been used in various applications like non-stick cookware, stain-resistant fabrics, waterproof clothing, and certain firefighting foams.
- The Air Force widely used AFFF containing PFAS at bases across the country. Among the vast group of PFAS chemicals, PFOA (perfluorooctanoic acid) and PFOS (perfluorooctanesulfonic acid) are the most common.



- PFAS are known for their extremely strong carbon-fluorine bonds, making them resistant to degradation. This durability leads to persistent accumulation in the environment and in biological organisms.
- Due to their accumulation and resistance to breakdown, PFAS poses potential ecological risks. This has led to increased regulatory attention and efforts to develop safer and more environmentally friendly alternatives.



















Phase-Out Initiatives:

• In 2006, the U.S. Environmental Protection Agency (EPA) initiated a program encouraging manufacturers to stop producing PFAS due to environmental and health concerns. Many manufacturers agreed, leading to the significant phase-out of these substances by 2015.

Eliminating of AFFF Usage:

 The Department of Defense (DoD) prioritizes eliminating AFFF in military installations.
 Use of AFFF for land-based testing or training has ceased.
 The DoD aims to replace the AFFF with a PFAS-free alternative that meets rigorous firefighting criteria by October 1, 2024.

Policy Implementation:

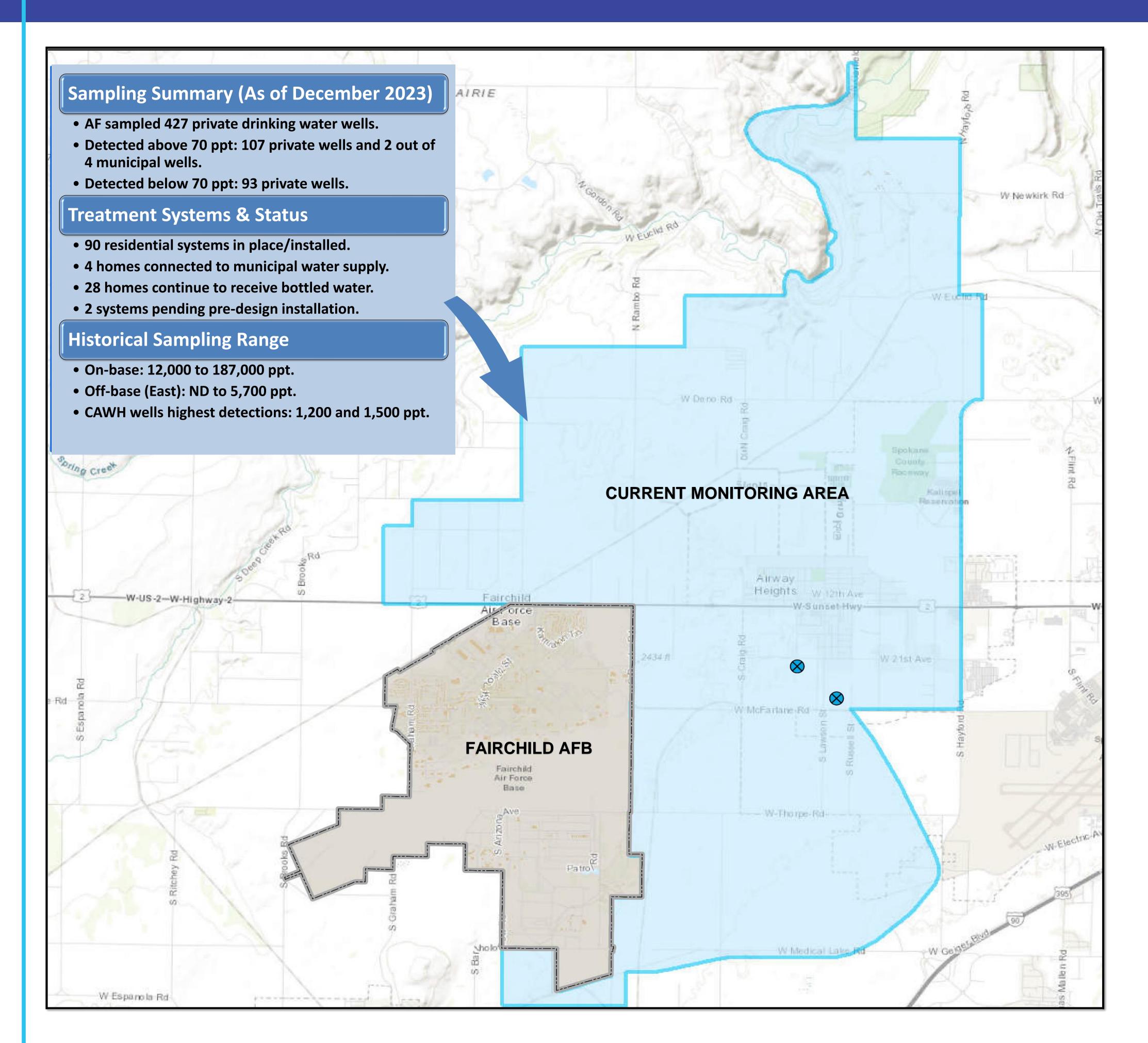
•Aligned with DoD guidelines, the established threshold for combined or individual levels of PFOS and PFOA is set at 70 parts per trillion (ppt).







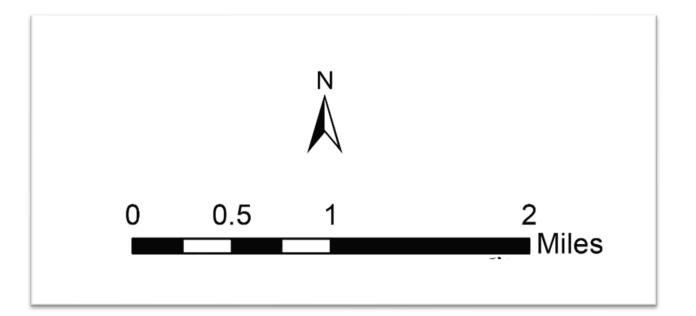
PFOS/PFOA Sampled Area Site Inspection Results





Fairchild AFB PFOS/PFOA Sampled Area & Site Inspection Results

Dec 2023



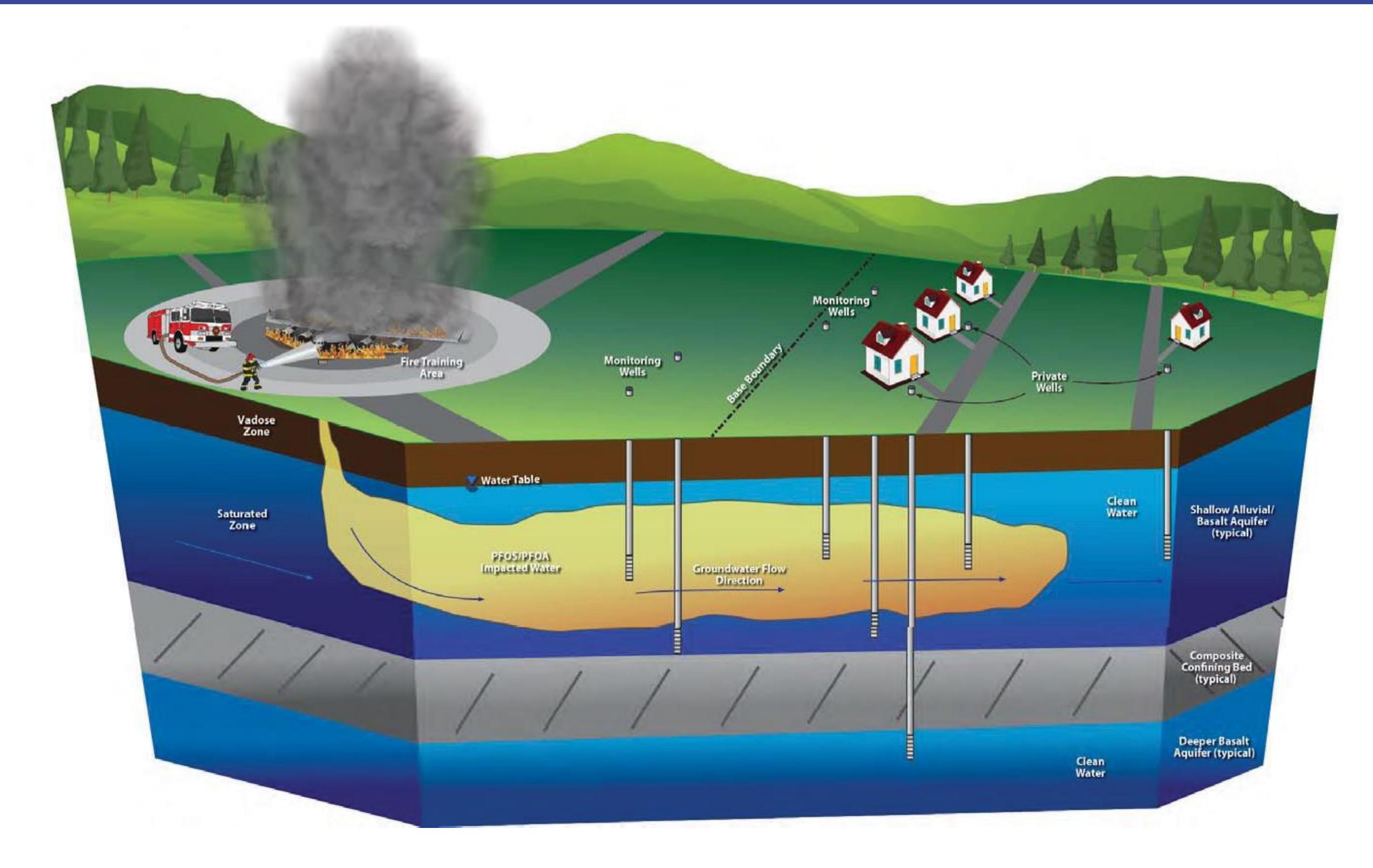
PFOS:	perfluorooctanesulfonic acid		
PFOA:	perfluorooctanoic acid		
ppt:	parts per trillion		
ND:	Non-Detect		







How PFOS/PFOA Could Move into Drinking Water



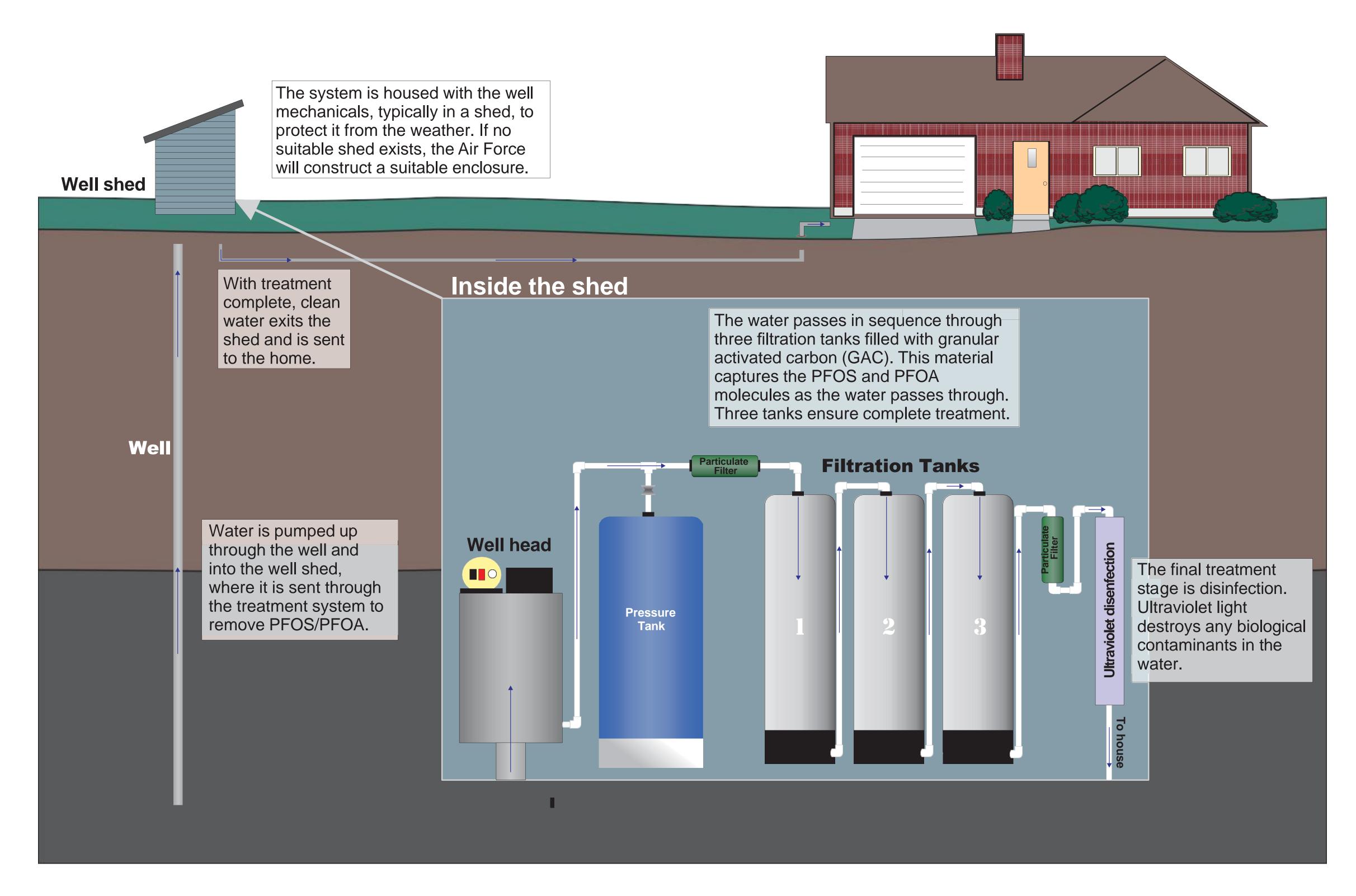






Residential Private Well Water Treatment System

This illustration shows a typical treatment system the Air Force will provide for a residential drinking water well and is intended to show the basics of how the system works. Because each well and house is different, the system will be customized to meet the needs of each home. The Air Force will work with the homeowner to ensure the system will provide clean drinking water with a minimal loss of flow or pressure.

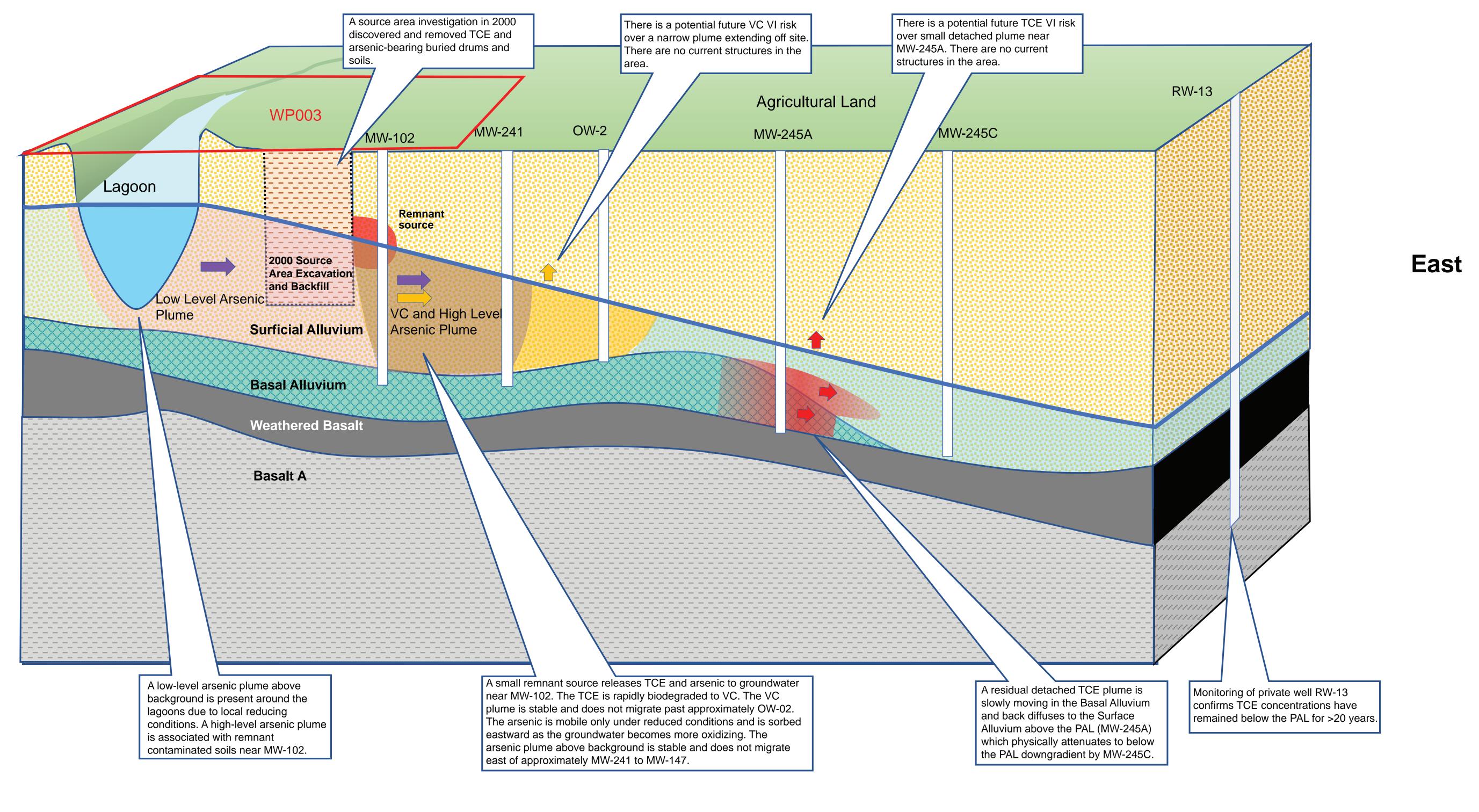






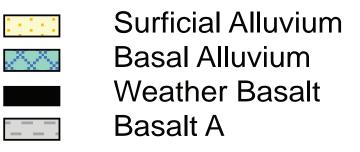


WP003 Conceputal Site Model

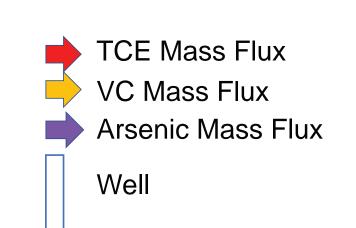


Legend

West

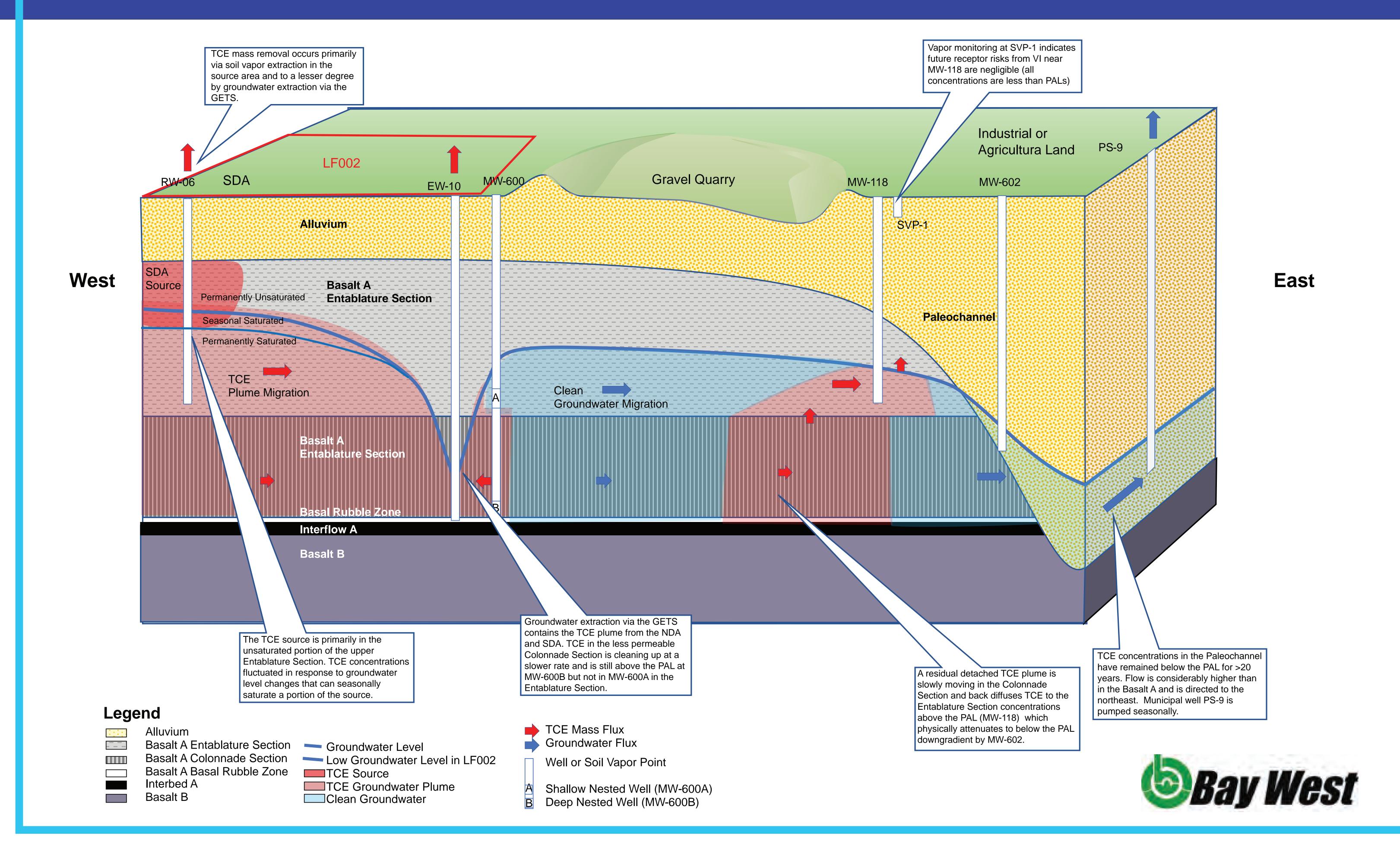


Groundwater Level Source Area TCE Plume VC Plume Arsenic Plume





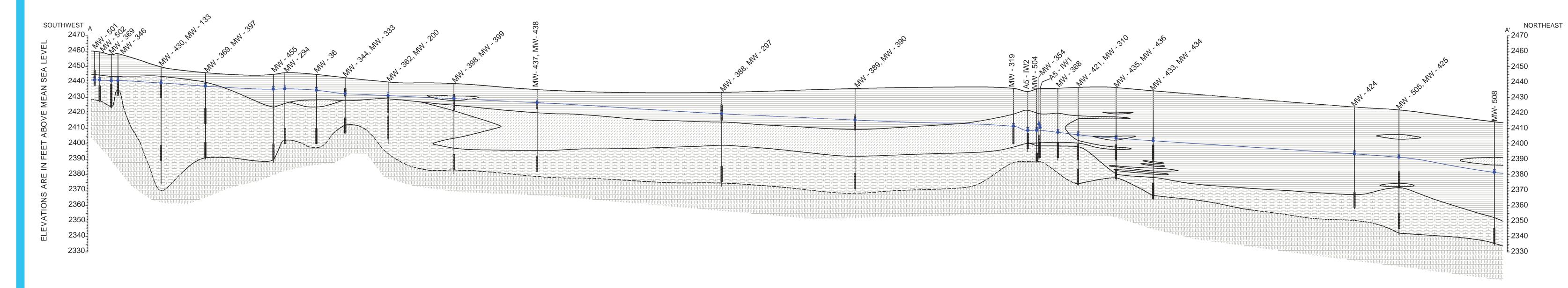
LF002 Conceptual Site Model



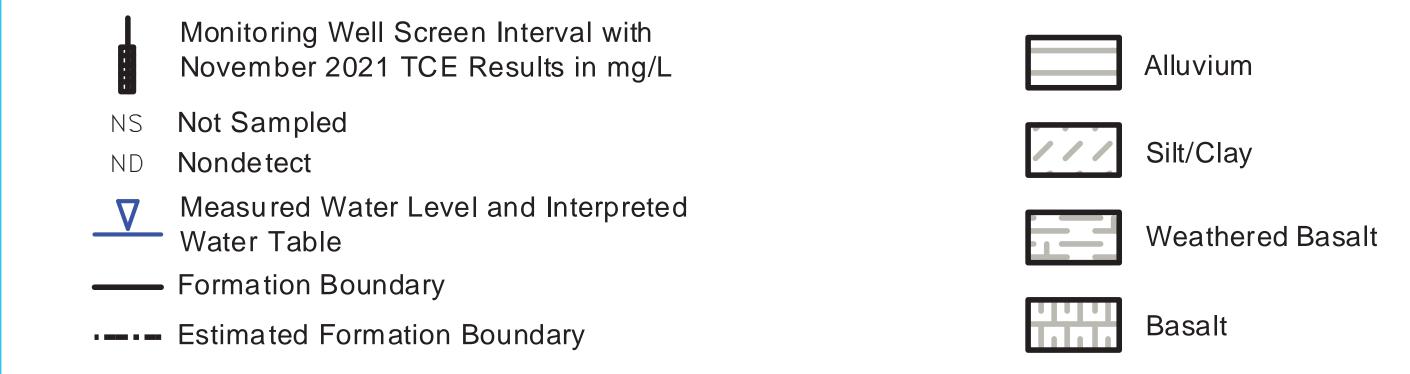
Fairchild AFB SS039 Geology

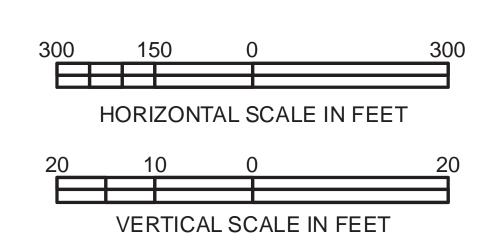






Legend







Community Involvement Plan (CIP)

The Community Involvement Plan (CIP) is an essential component of environmental restoration programs, particularly in sites managed under the Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA). Designed to ensure meaningful community engagement throughout the cleanup process in alignment with the National Contingency Plan (NCP) under 40 CFR Part 300.

Objectives and Goals

- •Regulatory Compliance and Transparency: Align with NCP requirements, ensuring all activities are conducted transparently.
- •Informed Community
 Engagements: Enable the
 community to understand and
 engage in the cleanup process.
- Education & Awareness:
 Disseminate comprehensive information about environmental impacts, health risks, and the remediation process.
- Responsive Interaction:
 Develop a robust system for gathering and addressing community feedback, ensuring concerns are integrated into decision-making.

Key Components of the CIP

- Community Profiles: In depth narratives outlining demographics, cultural dynamics, and specific needs of the affected communities.
- Communication Strategies:

 Tailored plans specifying objectives, target audience, key messages, and diverse channels for effective communication and feedback.
- Fact Sheet and Public Notices:
 Essential tools for concise,
 clear dissemination of siterelated information and public
 involvement opportunities.
- Public Meeting and Sessions:

 Platform for direct
 interactions, information
 exchange, and addressing
 community inquiries in a
 structured setting.
- Technical Assistance and Risk Communication: Initiatives to enhance community understanding of technical and environmental aspects, facilitating informed participation in decisionmaking.

Conduct

Collect

Community

Data

✓ Conduct Community Interview

ETC: Mar 2024 (In progress)

Identify
Community
Issues and
Interest

Develop
Community
Involvement
Objectives
and
Techniques

Prepare Community Involvement Plan

ETC: Jun/Jul 2024

*ETC: Estimated Time of Completion

Adherence to the CIP requires ongoing evaluation and adaptation. The plan will be revisited and updated every five years or as necessitated by changing site conditions or community needs, ensuring relevance and effectiveness in community engagement.

The CIP, as mandated by the NCP and integrated within the CERCLA framework, is not merely a procedural formality but a vital mechanism for responsible and inclusive environmental stewardship. It signifies a proactive approach to community involvement, emphasizing transparency, education, and active participation in environmental restoration efforts.

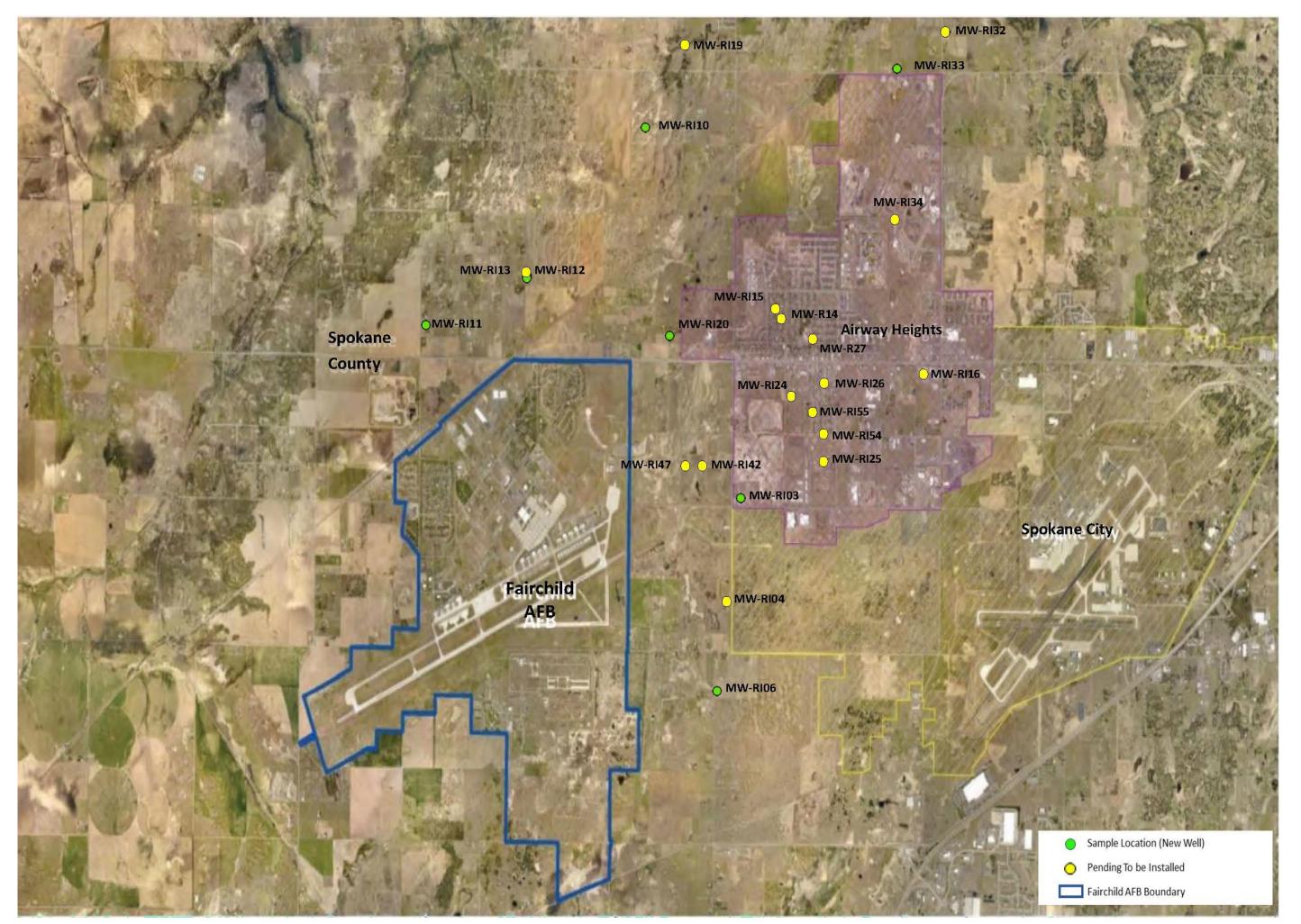




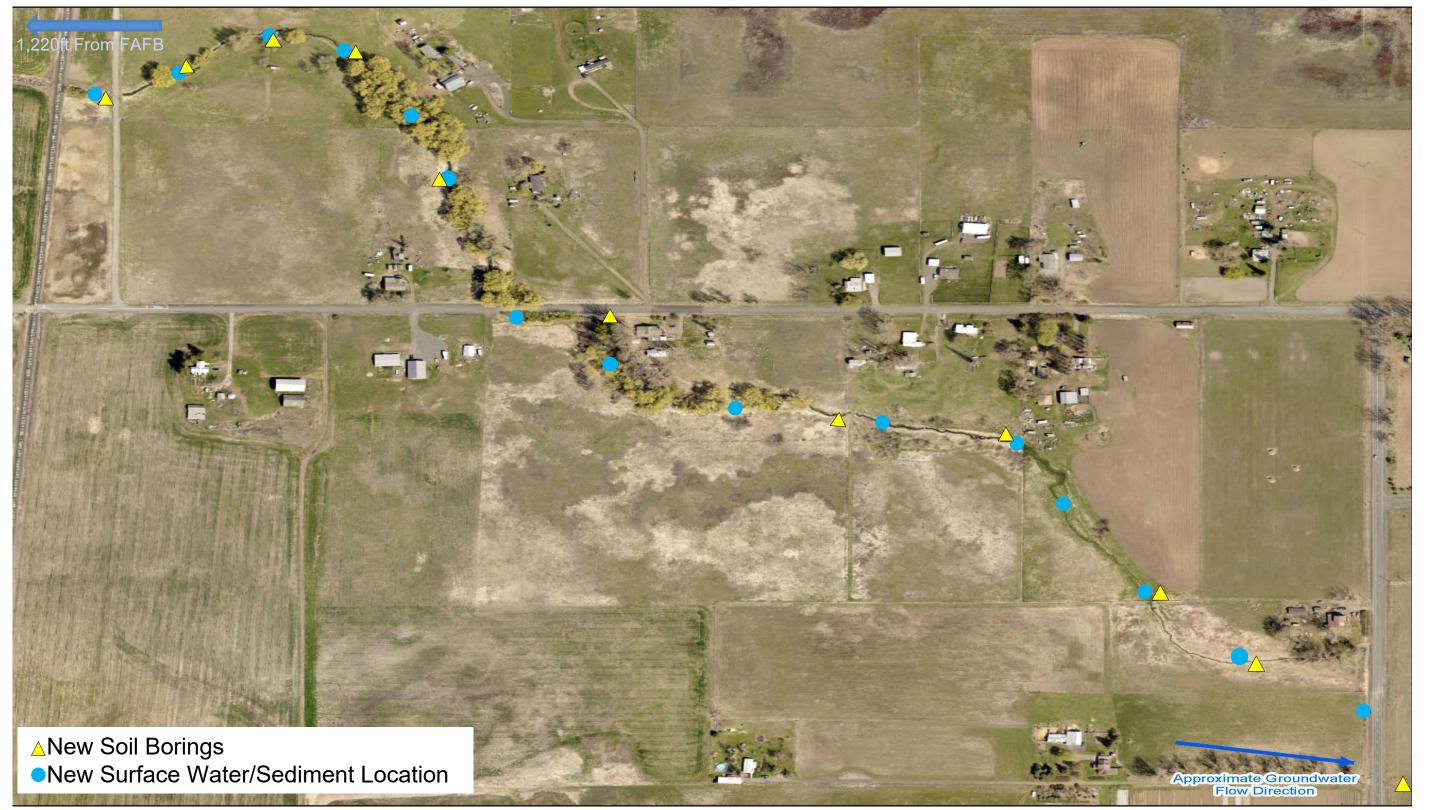


Off-Base Per-and Polyfluoroalkyl Substances (PFAS) Remedial Investigation (RI) - April 2023

Monitoring Wells Spokane Country and Airway Heights



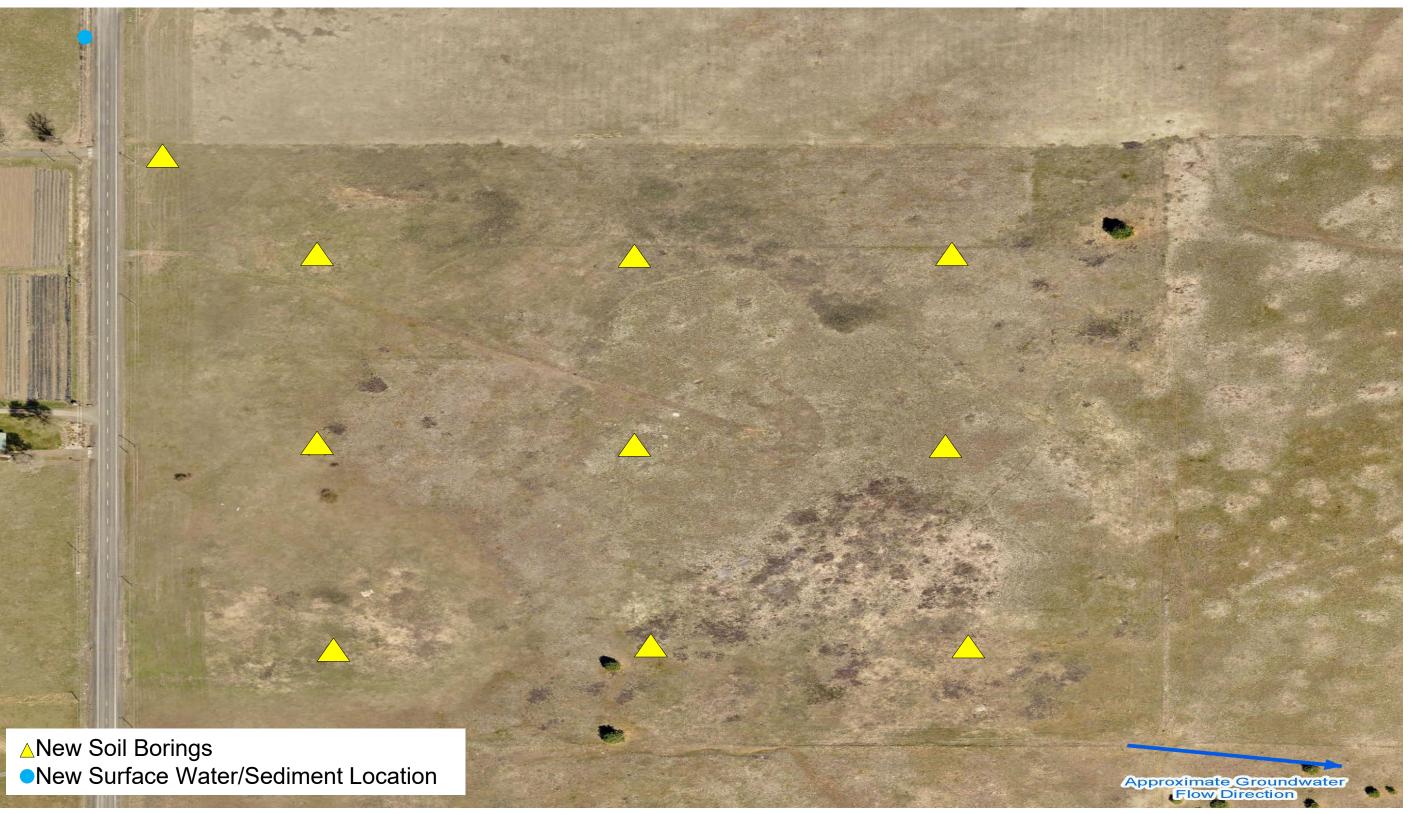
Phase I: RI Proposed Flowage Easement New Borings



Sample Results

Location	Sample Date	Well Depths (ft)	PFOS (ppt)	PFOA (ppt)
MW-RI03	12-Apr-23	17.0	21	8
MW-RI06	13-Apr-23	50.4	1,800	330
MW-RI10	13-Apr-23	192.0	280	92
MW-RI11	12-Apr-23	40.0	2.2	0.8
MW-RI12	13-Apr-23	36.0	7.8	24
MW-RI20	12-Apr-23	65.0	7.2	8

ppt	parts per trillion
ft	feet
MW	monitoring wells
RI	Remedial Investigation
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonic acid









Restoration Advisory Board (RAB)

The RAB is an advisory group of citizens, community leaders and regulatory agencies. Its purpose is to work with the Air Force in developing solutions for cleaning up contamination both on base and off base. The RAB brings community concerns to the Air Force so the community's input can be considered in developing cleanup plans.

RAB HISTORY

- RAB evolved from Technical Review Committee, which is required by law.
- Defense Department began RABs to encourage dialog between its installations and their neighboring communities.
- "RAB concept" developed by a citizen working group tasked to improve how communities are involved in cleanups.
- •RAB established at Fairchild in 1995.
- •RAB has been involved in evaluating priorities, reviewing annual cleanup program budgets and forming working groups to study issues in greater depth.

RAB MEMBERSHIP

- •RAB headed by Air Force and Community Co-chairs.
- Air Force Co-chair: Col. Charles
 Fletcher
- Community Co-chair: Mr. Jon Welge
- •U.S. Environmental Protection Agency and Washington Dept. of Ecology
- Representatives from the city of Spokane and the Spokane County Health Department.
- Includes members from academia, business and the community

RAB MISSION

- •Bring the community's interests and concerns to the attention of the Air Force.
- Work with the Air Force to ensure investigations and cleanup plans consider the needs of the communities involved.
- •Review and provide feedback on important investigations, reports and cleanup actions.
- Assist the Air Force by taking accurate information back to the communities.
- Help local citizens understand the cleanup process and encourage them to participate.

GET INVOLVED

- Attend RAB meetings. Meeting dates and times are advertised in local newspapers.
- Contact your RAB representative. Let this person know your ideas and concerns.
- Become a RAB member. Currently seeking community members from Airway Heights and surrounding areas.
 If interested, please fill out an application.
- For more information: Contact Megan Riccobono at (509) 247-2450.











Fairchild AFB Five-Year Review (FYR)

Purpose of Fairchild AFB FYR

- Hazardous waste has been generated historically due to aircraft maintenance and refueling operations, including environmental releases from landfilling, wastewater discharges, fire training, and accidental spills.
- Investigation of potentially hazardous waste releases began in 1984 as part of the four-phase Installation Restoration Program (IRP).
- In 1989, Fairchild AFB was listed on the EPA's National Priority List (NPL).
- A Federal Agreement was signed in 1990 to establish schedules for environmental investigation and remediations.

Progress since the Last FYR

- Basewide updates for on-base Land Use Controls (LUCs) in the Installation Development Plan (IDP) in the Air Force Comprehensive Planning Platform (CPP).
- Enhancement of off-base LUCs at Operable Units (OUs) to prevent contaminated groundwater use and address vapor intrusion.
- Complete assessment of onand off-base impacts for current and new Contaminants of Concern (COCs) at various OUs.
- Revision of site COCs through administrative measures at select OUs.
- Completion of Interim Record of Decision (ROD) activities at OU-5 for evaluating remedy performance.

OUs Classification and Description

- Nine OUs at Fairchild AFB are categorized based on environmental risk levels.
- OUs are prioritized from Priority One (highest risk) to Priority Three (lowest risk).
- Ous 1 through 9 include 36 distinct IRP sites.
- The following list describes the existing OUs at Fairchild AFB.
- OU-1: Craig Road Landfill (CRL), off-Base Priority I IRP site;
- OU-2: Priority I, onbase Priority I IRP sites;
- OU-3: Priority II, onbase Priority II IRP sites;
- **OU-4:** Priority III, onbase Priority III IRP sites SD034, SD038, and SS019 (no further action);
- **OU-5:** SS-39, on-base Priority III IRP site SS039 formerly in OU-4;
- **OU-6:** SR-939 Munitions Site, onbase MMRP site;
- **OU-7**: SD-37 Interim, formerly part of OU-4 (no decision document);
- **OU-8:** Priority Three Sites RW011 & WP036; and
- **OU-9:** PFAS (no decision document)

Record of Decisions

- Specific RODs issued for OUs 1, 2, 3, 5, 6, and 8.
- The following Ous addressed by the following RODs:
- OU-1: ROD Craig Road Landfill (USAF 1993a);
- **OU-2**: ROD On-Base Priority One OUs (USAF 1993b);
- OU-3: ROD for **Priority Two Sites** (USAF 1995b);
- OU-5: Interim ROD OU5-Spill Site 39 (SS-39) Chlorinated Hydrocarbon Plume (USAF 2011); and
- **OU-6:** SR-939 Munitions Site – ROD for (USAF 2021)
- OU-8: ROD Site RW011 and Site WP036 (USAF 2022)

Sites Achieving Unlimited Use/Unrestricted Exposure (UU/UE) Status Since the Last FYR

Sites Pending Unlimited Use/Unrestricted Exposure (UU/ UE) Designation

AFFF Release and PFAS < Investigation **Details**

- OT016 Achieved UU/UE status in April 2019.
- OT017 Achieved UU/UE status in December 2019.
- ST010 Achieved UU/UE status in December 2021.
- FT032 Achieved UU/UE status in 2018.
- DP022 Achieved UU/UE status in 2020.
- DP024 Achieved UU/UE status in 2020.
- SSO33 Pending UU/UE designation.
- ST035 Pending UU/UE designation.
- Investigation of 19 areas for potential PFC releases, leading to detailed SI of selected areas.
- Identification of potential off-base groundwater receptors and initiation of remedial measures.
- Ongoing Remedial Investigation (RI) since 2020 to define the nature and extent of PFAS contamination.
- PFOS/PFOA impacts identified in all AFFF areas, affecting several OUs.
- Due diligence activities for non-AFFF PFAS sources are underway, with a new OU established specifically for PFAS
- Creation of a new OU specifically to address PFAS impacts at Fairchild AFB.
- These areas were initially identified as AFFF Areas 1 through 5 and assigned site-specific IDs as follows:
- Area 1 FT004P-Sub/FT-1 Fire Training Area
- Area 2 RS003P/Calibration Area)
- Area 3 SS008P-Sub/Pumphouse B/Crash Site
- Area 4 RS002P/B-52 Crash Location 1994
- Area 5 RS001P/Fire Station 1
- OU-1: No known AFFF use or disposal at Craig Road Landfill; undergoing evaluation for non-AFFF PFAS sources.
- OU-2: Varying impact likelihood on sites based on their position relative to known AFFF areas.
- OU-3: Confirmed PFAS impacts to soil and groundwater at specific sites.
- OU-5: Confirmed PFAS impacts within the SS039 boundary.
- OU-8: Evaluation of RW011 and WP036 for potential PFAS impacts

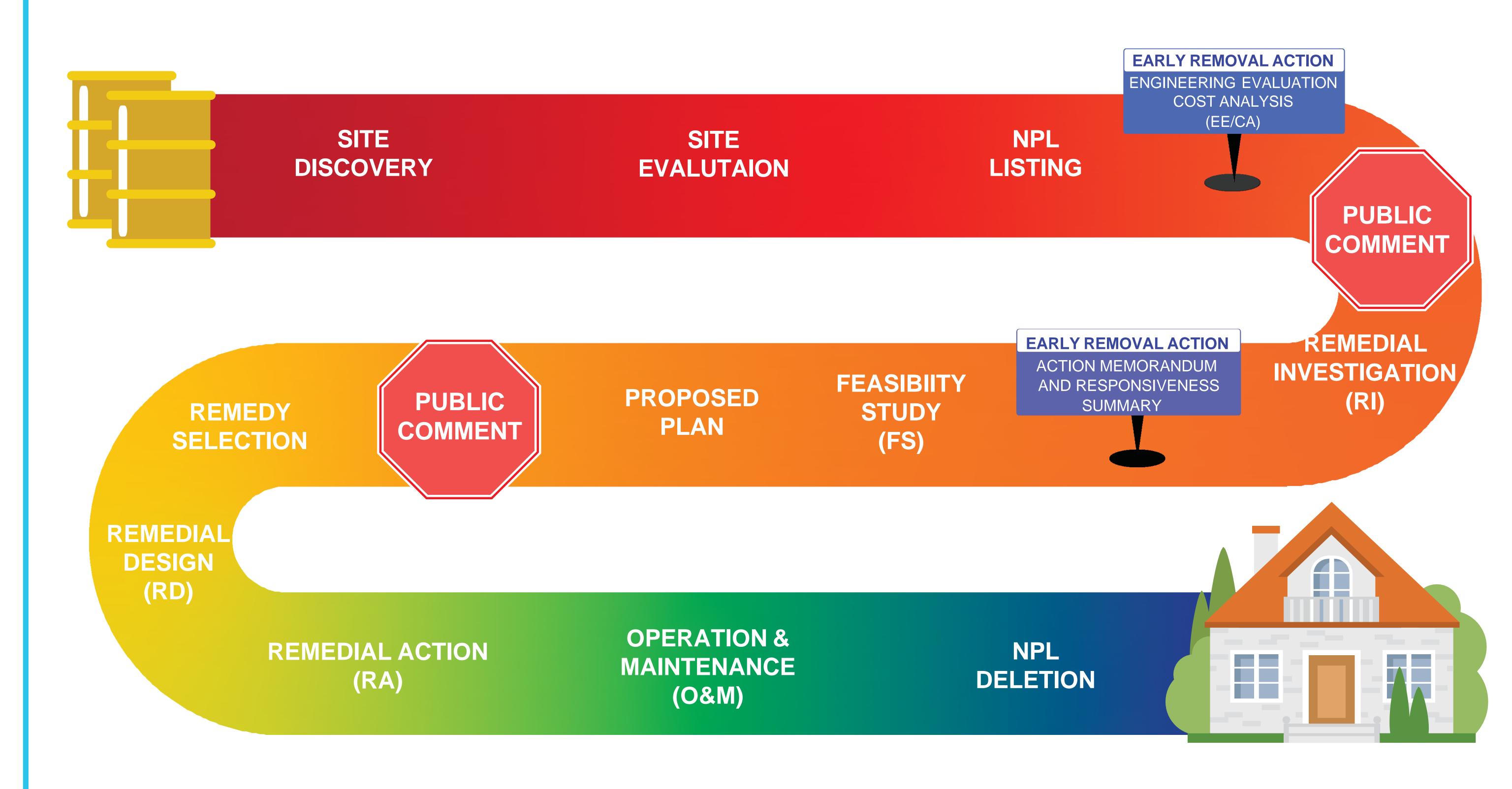
Specific OU Analysis in Relation to AFFF and PFAS







THE CERCLA PROCESS ROAD MAP TO THE ACTION MEMORANDUM









Fairchild AFB Municipal Water Connection Study

Study Purpose

- The study evaluates the feasibility of connecting residences affected by Per- and Polyfluorinated Substances (PFAS)-contaminated well water to a municipal water supply.
- PFAS, a group of synthetic chemicals known for their persistence in the environment and in the human body, have been detected in the well water of several residences near the base. The health risks associated with long-term exposure to PFAS compounds necessitate an urgent evaluation of alternative water sources for these residences.

Primary Objectives

- Evaluate connecting 87 residences currently using Point of Entry Treatment Systems (POETS), with well water levels of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) exceeding 70 nanograms per liter (ng/L).
- Assess the feasibility of extending municipal connections to additional residences detecting PFAS presence, utilizing laboratory limits of detection for identification.

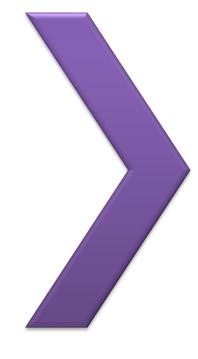
The study systematically assesses two primary alternatives

- Alternative A: This involves connecting the affected residences to an established municipal water supply, followed by the decommissioning of the existing POETS currently in use. This alternative aims to provide a long-term, sustainable solution by integrating the residences into the city's water infrastructure.
- Alternative B: This focuses on the continued operation and maintenance of POETS for each residence. While this alternative maintains the current independent water treatment systems at each residence, it necessitates ongoing monitoring and maintenance.



- Comprehensive definition of evaluation alternatives: Alternative A (municipal connection and POETS decommissioning) and Alternative B (ongoing POETS operation and maintenance).
- Identification of potential municipal water supply connections, with focus on the City of Spokane and surrounding municipalities.
- Detailed approach development for municipal water connection, including layout planning for transmission mains (TMs), distribution mains (DMs), and service lines (SLs).
- Pipe sizing and construction materials, adhering to City of Spokane's requirements and engineering standards.

Evaluation Scenarios



Key Technical Findings

- Detailed analysis of different scenarios, including 87 residences (baseline) and expanded scenarios connecting up to 628 residences.
- Consideration of real and nominal discount rates in costbenefit analysis, reflecting different economic perspectives.
- Scenario-specific implications for POETS decommissioning, municipal connection requirements, and water main construction.

- Feasibility variations based on geographic clustering and municipal jurisdiction boundaries.
- Administrative feasibility concerns with City of Spokane connections due to city limits and Growth Management Act implications.
- Piping Materials: ductile iron pipe for larger water mains, high-density polyethylene for smaller service lines.
- Pipe sizing determined using the Hazen-Williams equation, ensuring low head losses and appropriate flow velocities.

Study Outcome

• The outcomes of this study will guide decision-making processes for environmental health and safety measures, ensuring that the selected approach aligns with both the immediate needs of the affected residents and the long-term sustainability and regulatory compliance of the water supply system. This comprehensive approach aims to deliver a solution that is environmentally sound, technically feasible, and economically viable, thereby safeguarding the health and well-being of the community in and around Fairchild Air Force Base.

Projected Timeline Next Steps

- Submission of findings to City of Spokane for evaluation of administrative and logistical feasibility
- Further discussion with city engineers and stakeholders to address administrative challenges.
- Continuous monitoring and updating of cost-benefit analysis to reflect real-time economic factors.

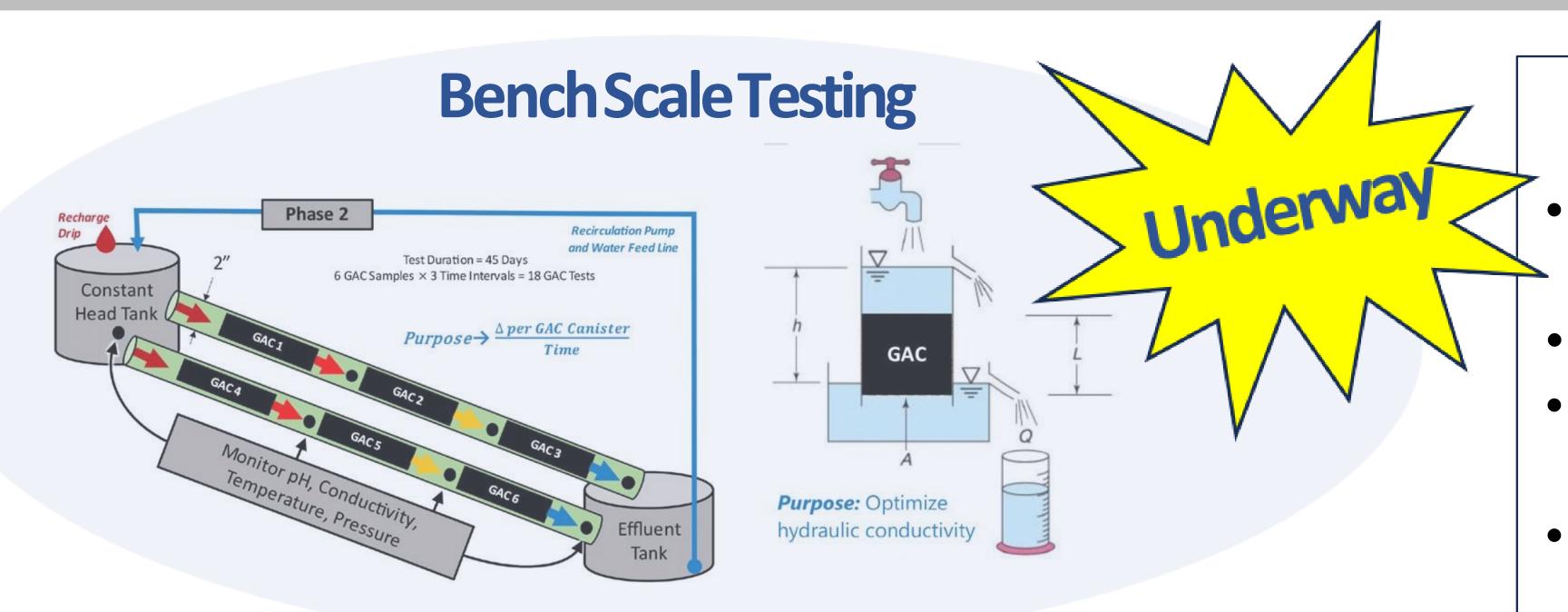






PFAS-Impacted Stormwater

Can we remove PFAS from stormwater with effective, sustainable, passive treatment?



Concept

- Use gravity (vs. pumps/electricity) to move water through treatment system
- Prefilter out suspended solids/interferants
- Remove PFAS with Granular Activated
 Carbon (GAC)
- Replace GAC with easily removable cartridges and GAC regeneration

Full Scale Testing Weir Plate Proposed Structural Trap Daylight to Existing Drainageway

Today

 Bench scale testing at South Dakota Mines [Engineering, Science and Technology University]

<u>Next</u>

South Dakota Mines design and test full scale system at Fairchild Air Force Base









S

FT004 Data Gap Study and Pilot Test

Fairchild AFB * Washington

Summer 2024

Bench Tests will

- Evaluate several types of media to reduce PFOA and PFOS
- Optimize treatment protocol for sitespecific conditions.

Summer 2025

Pilot Testing will

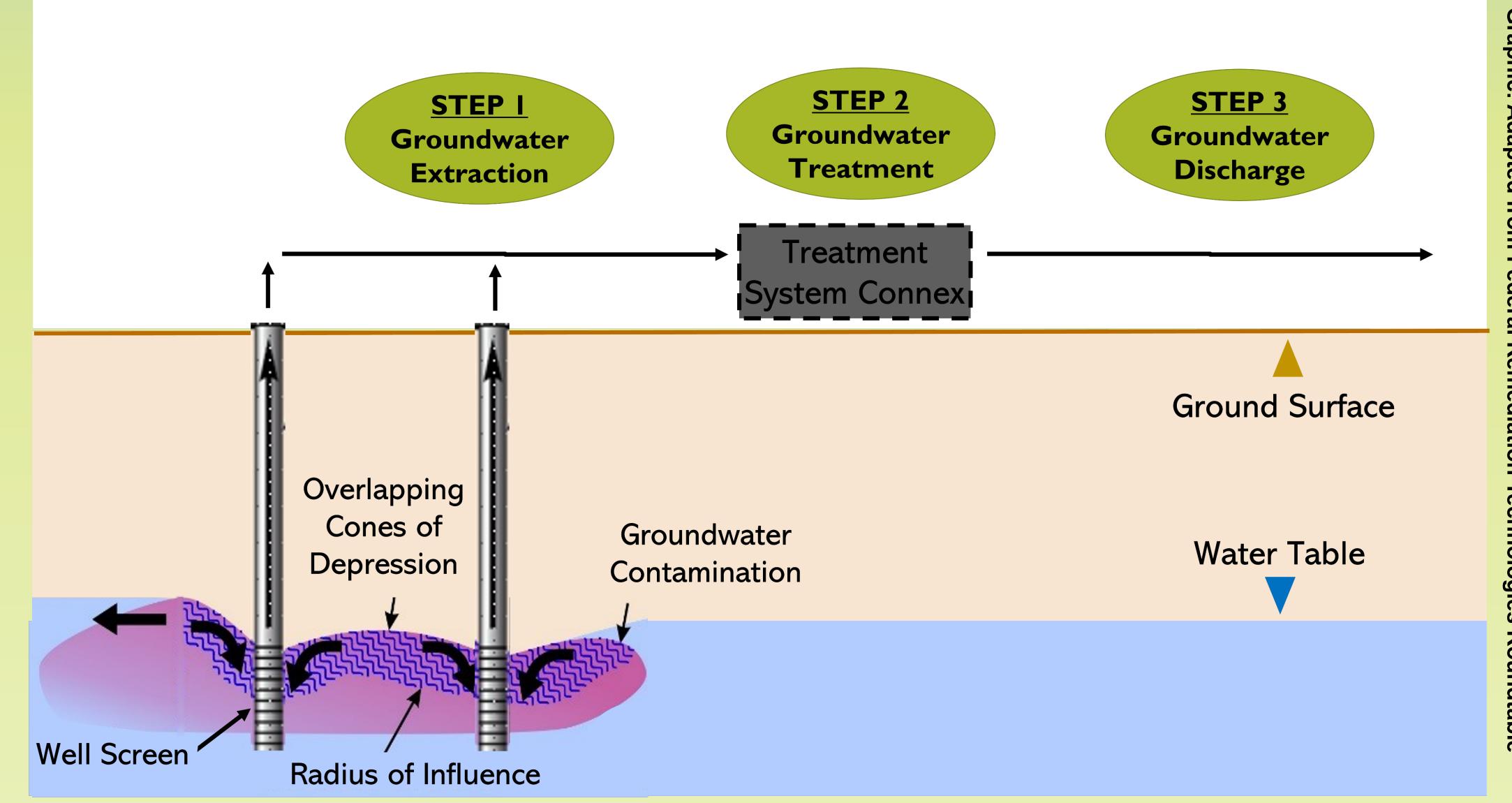
- Construct an onsite treatment system
- Operate the system for 12 months and evaluate effectiveness.

Data Gap Study will gather information to

- Measure PFOA and PFOS in water
- Establish size of treatment area
- Provide water for bench scale tests

Project Goal:

Reduce groundwater





concentrations of PFOA and PFOS to below EPA Health Advisory Levels.

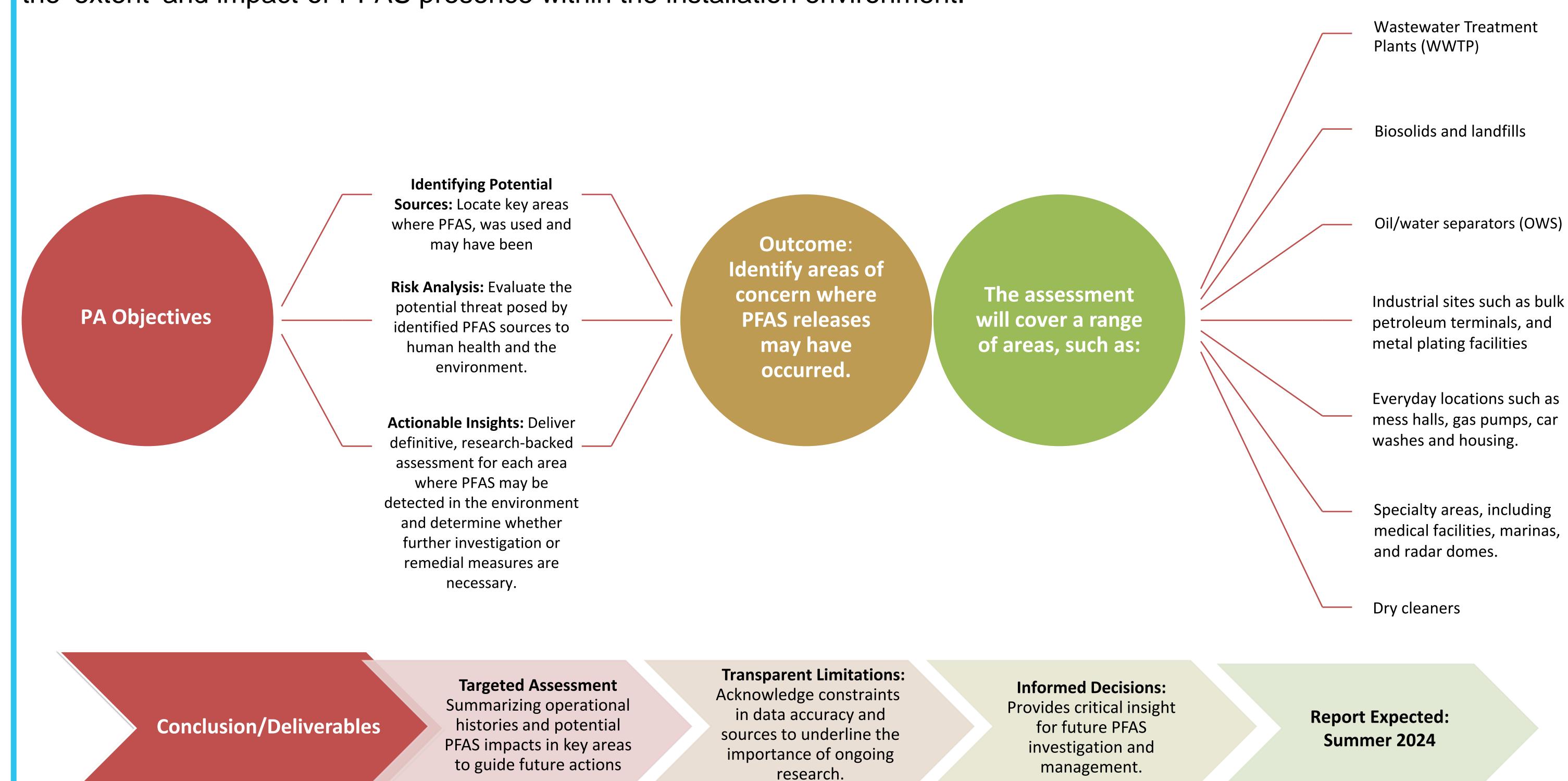


Perfluoroo

80

Preliminary Assessment (PA) for Non-AFFF Areas

The Non-Aqueous Film Forming Form (AFFF) Preliminary Assessment at Fairchild AFB is currently underway. This PA consists of a comprehensive evaluation of potential per- and polyfluoroalkyl substances (PFAS) releases from all potential sources at Fairchild AFB. The assessment encompassed a thorough review of administrative documents, supplemented by interviews with on-site personnel and subject matter experts. This analysis is crucial for understanding the extent and impact of PFAS presence within the installation environment.

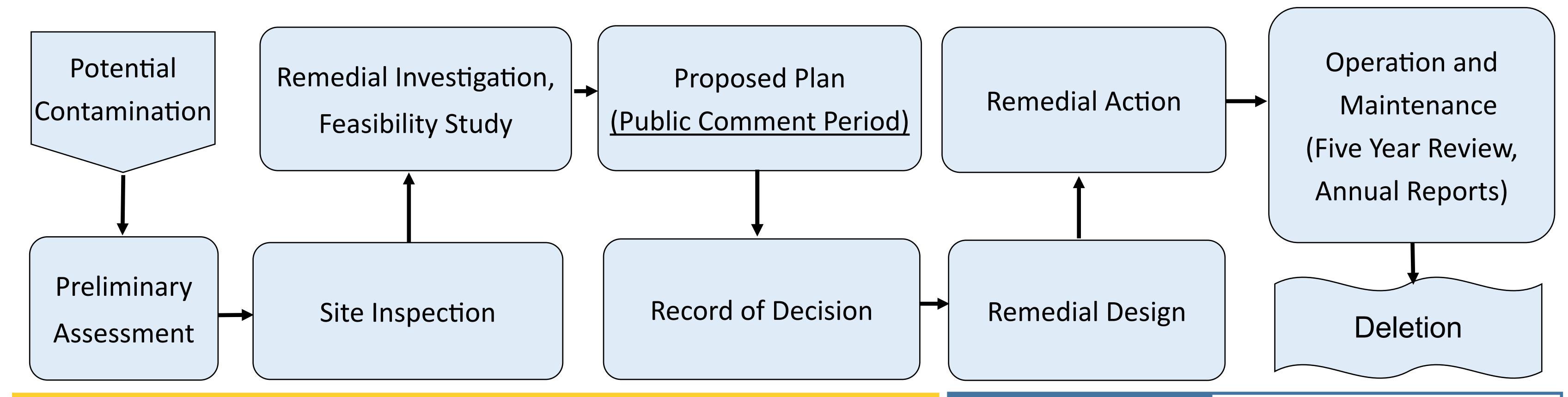








Comprehensive Environmental Response Compensation Liability Act (CERCLA) at Federal Facilities



Public Review and Comment

Proposed Plan- 30 Day Public Comment Period

Community Interviews

Community Involvement Plan
 Five Year Review

RAB Review-Examples Include:

- Remedial Investigations
- Feasibility Studies

- Remedial Design
- Annual Reports

Federal Facility Agreement

Per Executive Order 12580,
Department of Defense is the lead agency when implementing CERCLA removal and remedial actions on DoD facilities, or where off-site release is from a DoD facility. CERCLA § 120 requires EPA to enter an interagency agreement with Federal agencies to ensure protective and timely cleanups under CERCLA at NPL Federal facility sites.

Exposure to PFAS

How Are People Exposed to PFAS?

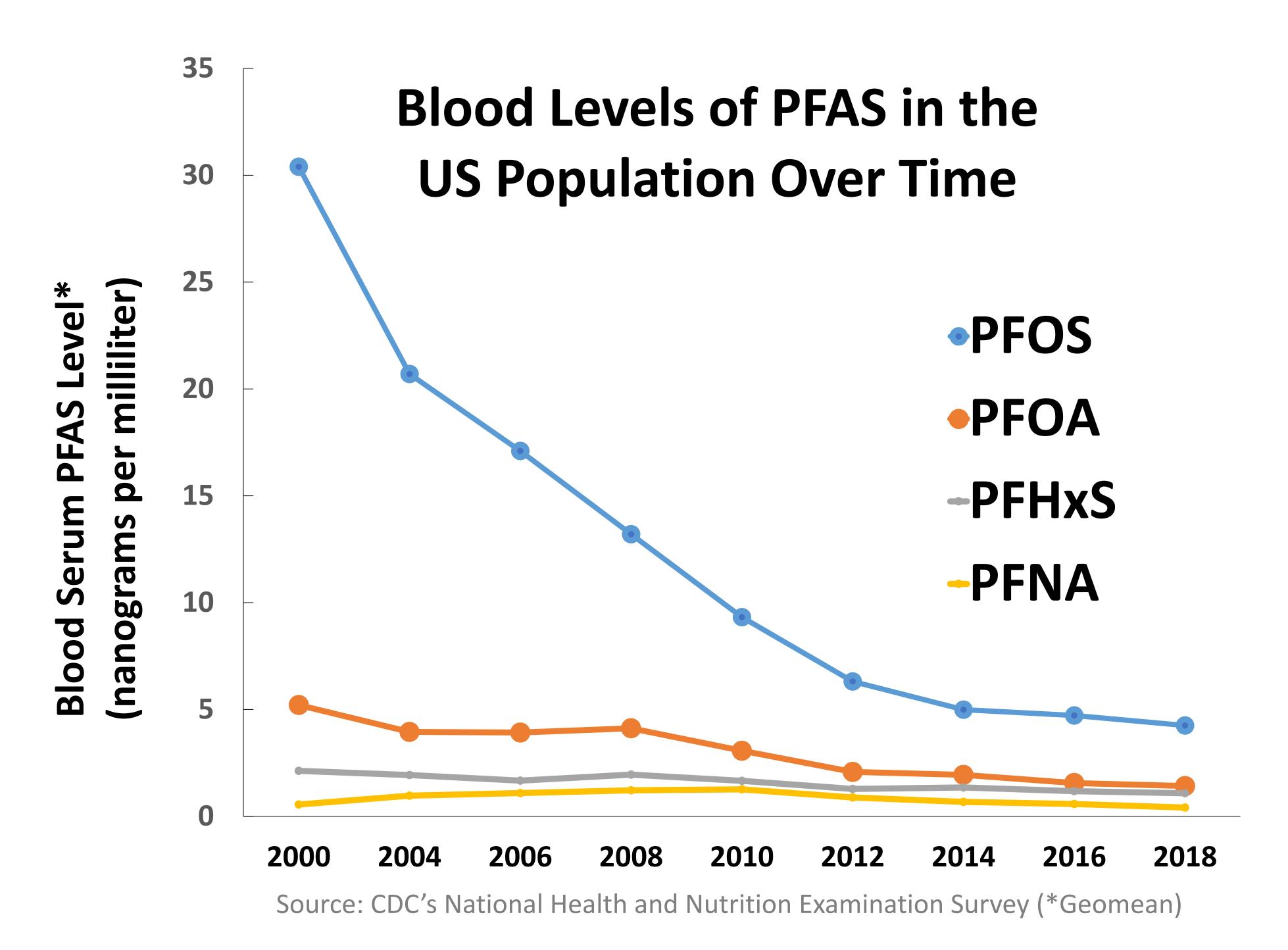
- Drinking water containing PFAS.

 May be a significant source of exposure.
 - Infants may have more exposure than adults.
 - Skin contact while bathing, showering, washing dishes, or washing clothes is not a meaningful source of exposure.
- Eating food contaminated with PFAS. May occur when water for crops or livestock contains PFAS or food packaging contains PFAS.
- Using some consumer products. Likely a lower exposure compared to drinking water containing PFAS.
- Accidentally swallowing contaminated soil or indoor dust.



PFAS in People

- Nearly all people tested in US have some PFAS in their blood.
- Levels of PFOS and PFOA have declined in people as use in products phases out.
- Some PFAS stay in the body a long time.
- PFAS blood levels cannot be used to diagnose or predict a health problem in a person.



Potential Health Effects and Recommendations

How Might PFAS Exposure Affect People's Health?

Scientists are still learning about how people's exposure to PFAS might affect their health.

Exposure to certain PFAS may lead to the following:



Increased cholesterol levels.



Decreased immune response to some vaccines.



Changes in liver enzymes.



Small decreases in infant birth weight.



Increased risk of high blood pressure or preeclampsia in pregnant women.



Increased risk of kidney or testicular cancer.

What Can I Do to Protect My Health?



Get your water tested if you are in the areas the Air Force is testing.



Reduce exposure to PFAS in drinking water and through other sources.



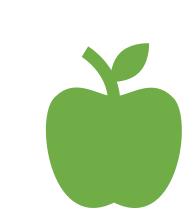
Switch to alternate or treated water for drinking and cooking.



Continue to breastfeed, the benefits greatly outweigh potential risks.



Share your PFAS water results and discuss health concerns at your next doctor's visit.



Boost your health with healthy activities and foods.

State Action Levels for PFAS in Drinking Water

State drinking water standards

The Washington State Board of Health set State Action Levels (SALs) for five PFAS in October 2021. These standards:

- ♠ Require most public water systems to test for PFAS and take certain actions, like monitoring and public notice, if they find PFAS.
- ♦ Recommend when to take action to reduce PFAS in drinking water
- SALs are health protection levels for long-term drinking water. They also apply to shorter periods for sensitive groups.

State Action Levels (SALs)

PFOA	10
PFOS	15
PFNA	9
PFHxS	65
PFBS	345

SAL units are in parts per trillion (ppt)



How to minimize exposure when PFAS exceed a SAL in your tap water

- Use an alternate or treated water source for drinking and cooking if you are pregnant, breastfeeding or mixing infant formula.
- Install a home filter to remove PFAS from your water.
- **♦** Consider filtering garden and livestock water.
- ◆ Connect to a nearby public water system or well that doesn't have PFAS.
- ◆ Contact Spokane Regional Health District to explore other options for private wells.

Acronyms

PFAS per and polyfluoroalkyl substances
PFOA perfluorooctanoic acid
PFOS perfluoroctane sulfonic acid

PFNA PFHxS PFBS

perfluorononanoic acid perfluorohexane sulfonic acid perfluorobutane sulfonic acid



Evolving Health Guidance Values

Changes reflect expanding scientific understanding of adverse health effects of PFAS.

PFAS	2023 EPA Practical Quantitation Limit (ppt)		State Action	2022 Updated EPA Lifetime Health Advisory Level (ppt)	2023 Proposed EPA Maximum Contaminant Level (ppt)
PFOA	4.0	70*	10	0.004 (interim)	4
PFOS	4.0	70*	15	0.020 (interim)	4
PFHxS	3.0		65		Hazard Index**
PFNA	4.0		9		Hazard Index**
PFBS	4.0		345	2,000	Hazard Index**
GenX	5.0			10	Hazard Index**

ppt – parts per trillion

What is the difference between guidance and regulation?

Lifetime Health Advisory Level

- EPA non-enforceable and nonregulatory limit (guidance)
- Identifies level in drinking water where health effects not expected based on science at the time
- Protects all people, sensitive populations, and life stages, from lifetime of exposure
- Considers other sources

State Action Level

- Requires public water systems to test (enforceable).
- Recommends reducing PFAS below action levels (guidance)
- Identifies levels in drinking water where health effects not expected
- Set to protect all people and sensitive populations from lifetime of exposure, including other sources
- Considers ability to detect and remove PFAS

National Primary Drinking Water Regulation

- When finalized, requires water systems to measure and reduce levels below the maximum contaminant level (enforceable).
- Considers sensitive populations, lifetime of exposure.
- Considers ability to measure and treat to remove, as well as the cost and benefits
- Final MCLs expected by end of 2023.

dimer acid

^{* 70} ppt for PFOA and PFOS combined. Level at which the Air Force provides alternate water.

^{**} Evaluate as a mixture. Hazard Index = $\left(\frac{[PFHxS \text{ water}]}{9.0 \text{ ppt}}\right) + \left(\frac{[PFNA \text{ water}]}{10 \text{ ppt}}\right) + \left(\frac{[PFBS \text{ water}]}{2,000 \text{ ppt}}\right) + \left(\frac{[GenX \text{ water}]}{10 \text{ ppt}}\right)$

Fairchild Air Force Base (AFB) ERP Community Survey

Fairchild AFB believes the active, meaningful involvement of community members is critical to the success of the environmental restoration program. This survey is an opportunity for you to tell us how well we are doing at listening to your concerns about ongoing environmental restoration and cleanup efforts at the installation. Please take a few moments to answer the questions as your views are crucial to the program and will help us to be more responsible to the community's needs and interests.

- '	How do you rate the installation at each (unity Involven of the followin		choice for each au	estion)	
Pr	roviding the information you need.	Very Poor	Poor	Neutral	Good	Very Goo
	laking the information easy to understand.	Very Poor	Poor	Neutral	Good	Very Goo
	laking it easy to get involved.	Very Poor	Poor	Neutral	Good	Very Goo
	stening to your concerns.	Very Poor	Poor	Neutral	Good	Very Goo
	esponding to your concerns.	Very Poor	Poor	Neutral	Good	Very God
	reating you courteously.	Very Poor	Poor	Neutral	Good	Very God
	sing your input.	Very Poor	Poor	Neutral	Good	Very God
	cplaining decisions.	Very Poor	Poor	Neutral	Good	Very God
	April 111 In accisions.	very i coi	1 001	Noutui	0000	very co
N Ra In Co	Pailings ewspaper articles adio or TV news stallation webpage community members/family/friends ublic meetings or information sessions held by irect conversations with someone from the ins formation about the site is "common knowled now someone who worked at the installation nrough one or more community organizations, ocial Medial (Facebook, Twitter, etc.)	tallation ge"	ations, or adviso	ory groups		
2 - F M	ther (Please specify): How would you prefer to receive informate Iailings short (1-2 pages) very focused (issue- Iailings longer, general information, sent peri	specific) sent fre	_	Check up to 3 choic	es)	
M	idinigs Tonger, general information, sent peri-	·				
	mails brief, very focused (issue-specific) sent t					
Er	mails brief, very focused (issue-specific) sent f mails longer, general information, sent perioo					
Er Er	mails longer, general information, sent perioc					
Er Er M	mails longer, general information, sent period leetings short, very focused, held frequently	ically	llv			
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Err Er M M Soo Dii In Pr Oil 13 - F In Err	mails longer, general information, sent period leetings short, very focused, held frequently leetings longer, general information meetings ocial media (Facebook, Twitter) irect communication with an installation representation webpage resentations at local clubs and organizations ther (Please specify): How interested are you in obtaining information Restoration Program.	ically , held periodica sentative	the following	Somewhat Interested	Interested	Very Interes
Err Err M M Sco Di In Pr Ori	mails longer, general information, sent period leetings short, very focused, held frequently leetings longer, general information meetings ocial media (Facebook, Twitter) irect communication with an installation repressallation webpage resentations at local clubs and organizations ther (Please specify): How interested are you in obtaining information restallation Restoration Program. Invironmental contamination.	ically s, held periodica sentative mation about	the following Not Interested Not Interested	Somewhat Interested Somewhat Interested	Interested Interested	Very Interest Very Interest Very Interest
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Err Er	mails longer, general information, sent period leetings short, very focused, held frequently leetings longer, general information meetings ocial media (Facebook, Twitter) irect communication with an installation represstallation webpage resentations at local clubs and organizations ther (Please specify): How interested are you in obtaining information Restoration Program. Invironmental contamination. Invironmental contamination. Invironmental contamination might affect human health. Invironmental contamination might affect the environmental con	ically s, held periodica sentative mation about	the following Not Interested Not Interested Not Interested Not Interested	Somewhat Interested Somewhat Interested Somewhat Interested Somewhat Interested	Interested Interested Interested Interested	Very Interest Very Interest Very Interest Very Interest

.,,,	1 - What ways do you prefer to participate at apply)	in the installation	's environmei	ntal restoration pro	gram? (Chec	k all
	_Through opportunities to provide written com	ments on installation	n documents.			
	_Through public meetings.					
	_Through opportunities to meet and talk inform	ally with installation	personnel.			
	By attending community club/organization me	etings that installation	on personnel h	ave been invited to.		
	_By calling a toll-free telephone number.					
	_Through a community group.					
	_Through opportunities to talk with independen	t experts.				
	_Through a web site or social media.					
	_Not interested in being involved.					
	_Other (Please specify):					
3-5	5 - Please tell us whether you have ever:					
۱.	Provided information to the installation about	the site and its histo	ry.		Yes	No
).	Expressed your concerns about the installation				Yes	No
	Offered suggestions or advice about the installa				Yes	No
l.	Given comments to the installation on materia	is available for publi	c review.		Yes Yes	No No
<u>.</u>	Requested information from the installation. Attended an installation-sponsored meeting or	event			Yes	No
ζ.	Visited the site's information repository or onli		ecord.		Yes	No
	5 - In a few words, what is your understand					
	7 - How concerned are you that the installa estion)	tion may be harm	ful to each of	f the following? (Cir	cle one answ	ver per
Э.	My or my family's health.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concern
Э.	The environment.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concern
	Property values.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concerr
l.	Jobs in the community.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concern
<u>.</u>	Business in the community.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concern
	Community historical or cultural integrity.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concerr
3.	Site redevelopment or reuse.	Not Applicable	Not Concerned	Somewhat Concerned	Concerned	Very Concern
C-1	ction C: Questions about Technical Assistan	lation has provide	ed to help you	ı and other commu	-	s/groups
e	tter understand technical and scientific info			done at the install	ation?	
		Yes	No			
an	? - If technical assistance has not been prov d other community members/groups bette tallation restoration program? (Check all t	r understand tech	munity, which nical and scie	o of the following ac entific information r	ctivities could regarding the	d help you ?
	_Community informational newsletters and/or f	actsheets.				
	Presentations by experts to explain technical in	formation to the co	mmunity.			
	_Community informational workshops/trainings	5.				
			<i>1</i> .			
	I don't feel that any technical assistance is need					
	_ I don't feel that any technical assistance is need _ Other (Please specify):					
	Other (Please specify):					
	Other (Please specify): ction D: General Information (REQUIRED Se					
)	Other (Please specify):		nstallation co	mmunity involvemo	ent efforts or	about