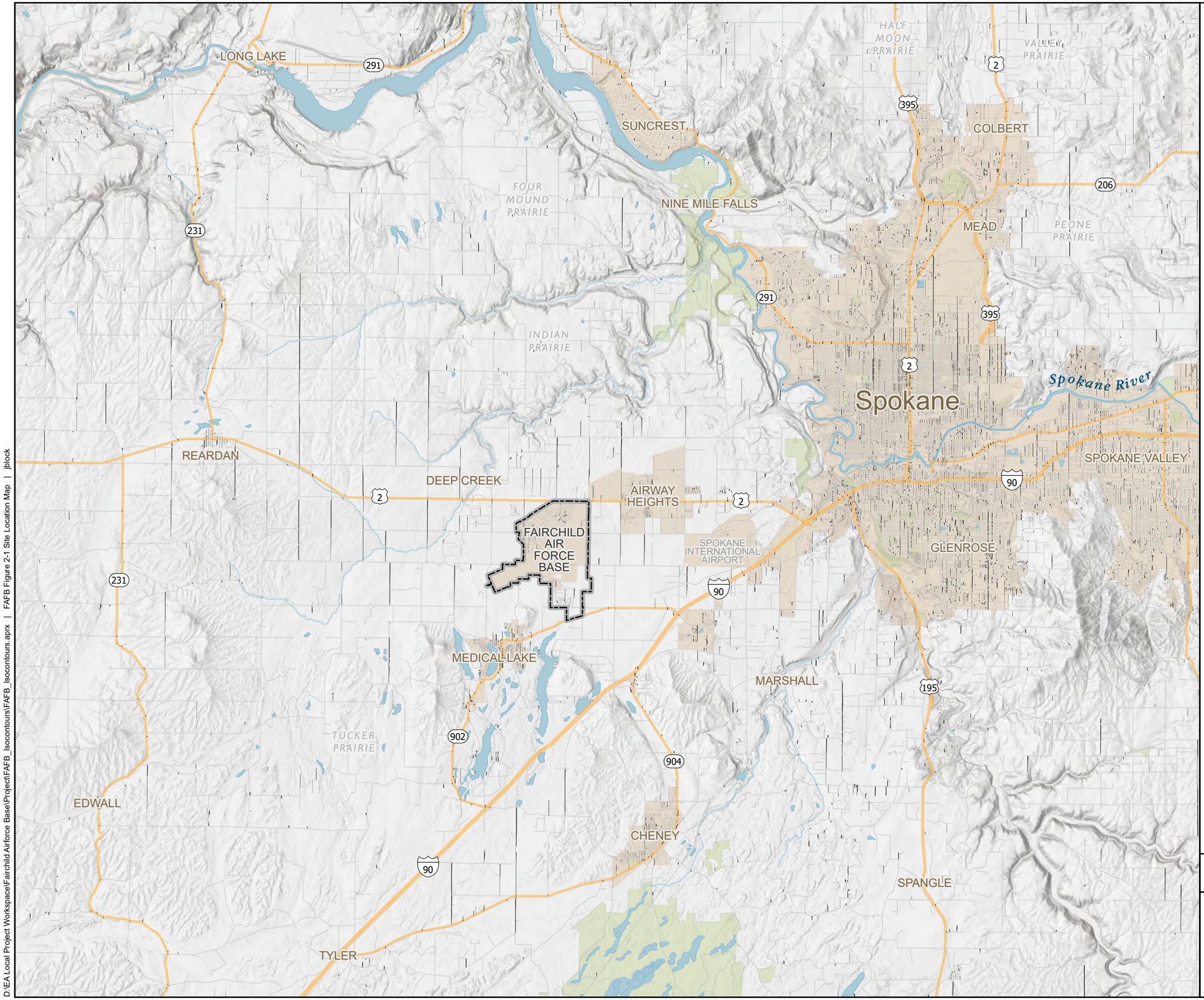
# FIGURES

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**Legend**

- Fairchild AFB Installation Boundary
- Urban Area
- Park Area
- Waterbodies

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base

N

0 2.5 5
Miles

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United States Air Force
Fairchild AFB, Washington

**Figure 2-1: Site Location Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\FAFB_Isocontours\FAFB_Isocontours.aprx | FAFB Figure 2-1 Site Location Map | jblock

AFFF Area 3/
Aircraft Crash Location
(SS008P)

AFFF Area 5/
Fire Station 1 (Building 3)
(RS001P)

Hangar 1012

AFFF Area 2/
Calibration Area
(RS003P)

AFFF Area 4/
B-52 Crash Location 1994
(RS002P)

WP003

AFFF Area 1/
Release Area 1 - Fire Training Area FT-01
(FT004P)

No Name Ditch

W Thorpe Rd

Flowage Easement

S Craig Rd

LF002

Municipal Well #9

VICINITY MAP




**Legend**

- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Flowage Easement
- Groundwater Extraction and Treatment Area
- Treatment System Infrastructure
- Treatment System Line
- Surface Water
- Surface Drainage
- Wetland Area
- Groundwater Supply Well

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
PFAS = Per- and polyfluoroalkyl substances
RI = Remedial Investigation

N

0 1,050 2,100 4,200
US Feet

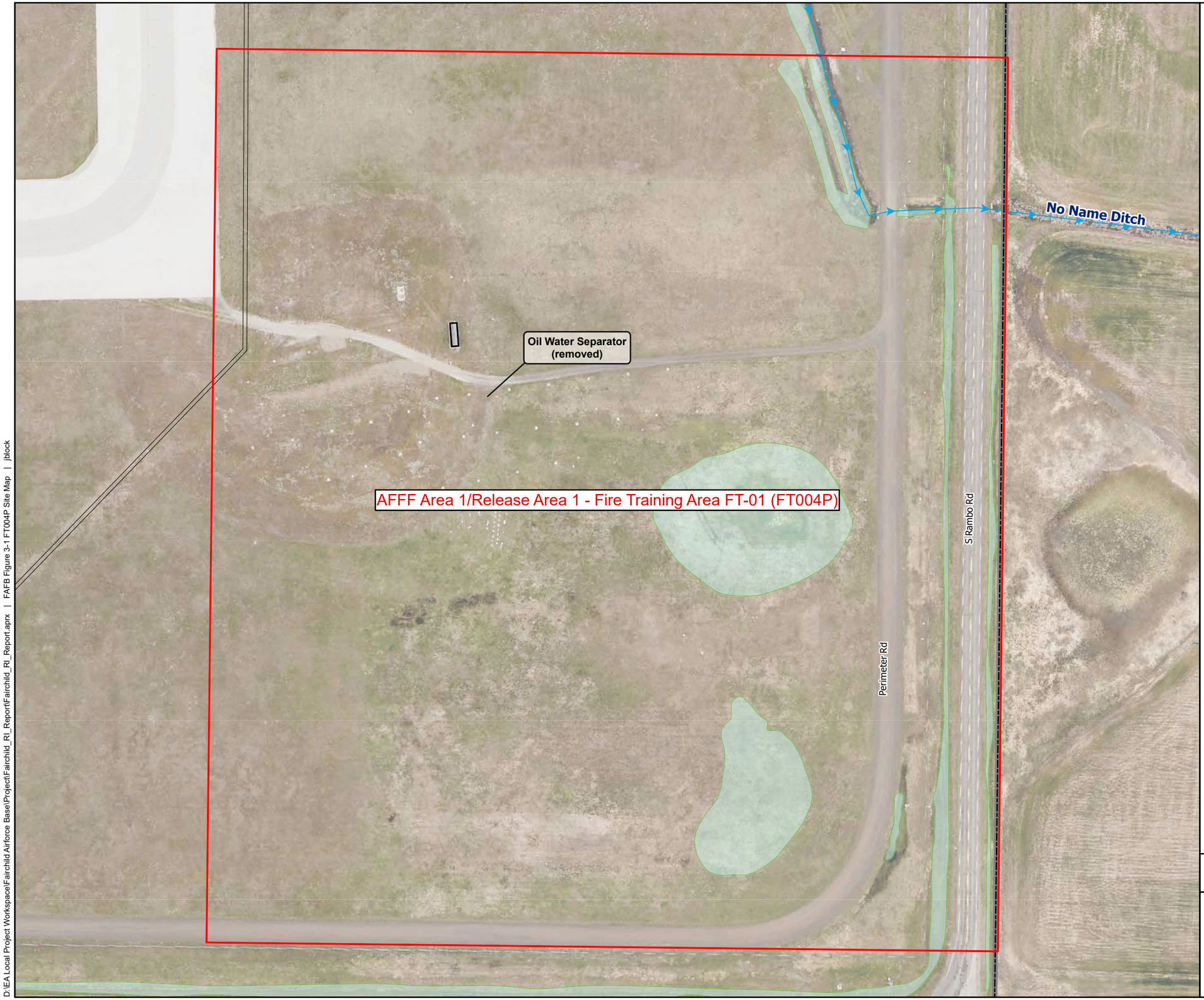
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

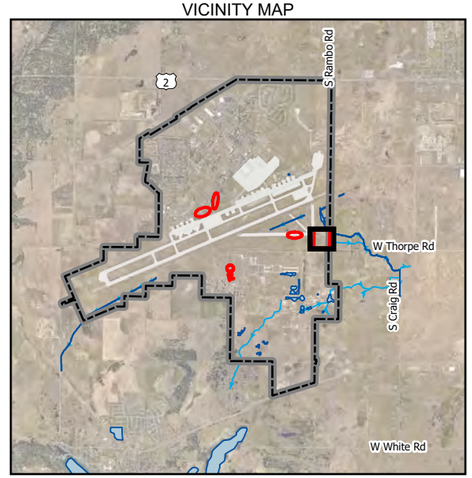
**Figure 2-2: AFFF Release Areas**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WA\USACE\FairchildAFB\Projects\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 2-2 AFFF Release Areas | jklemick




VICINITY MAP




**Legend**

- Building/Structure
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Sanitary Sewer Line
- Surface Drainage
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 60 120 240

US Feet

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United States Air Force
Fairchild AFB, Washington

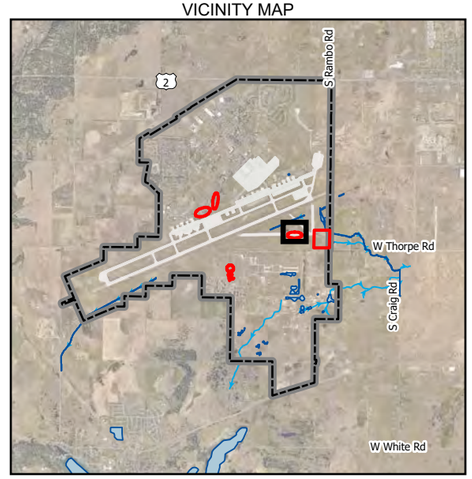
**Figure 3-1: FT004P Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-1 FT004P Site Map | jblock




VICINITY MAP




**Legend**

- Building/Structure
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation
FTA = Fire Training Area

N

0 55 110 220

US Feet

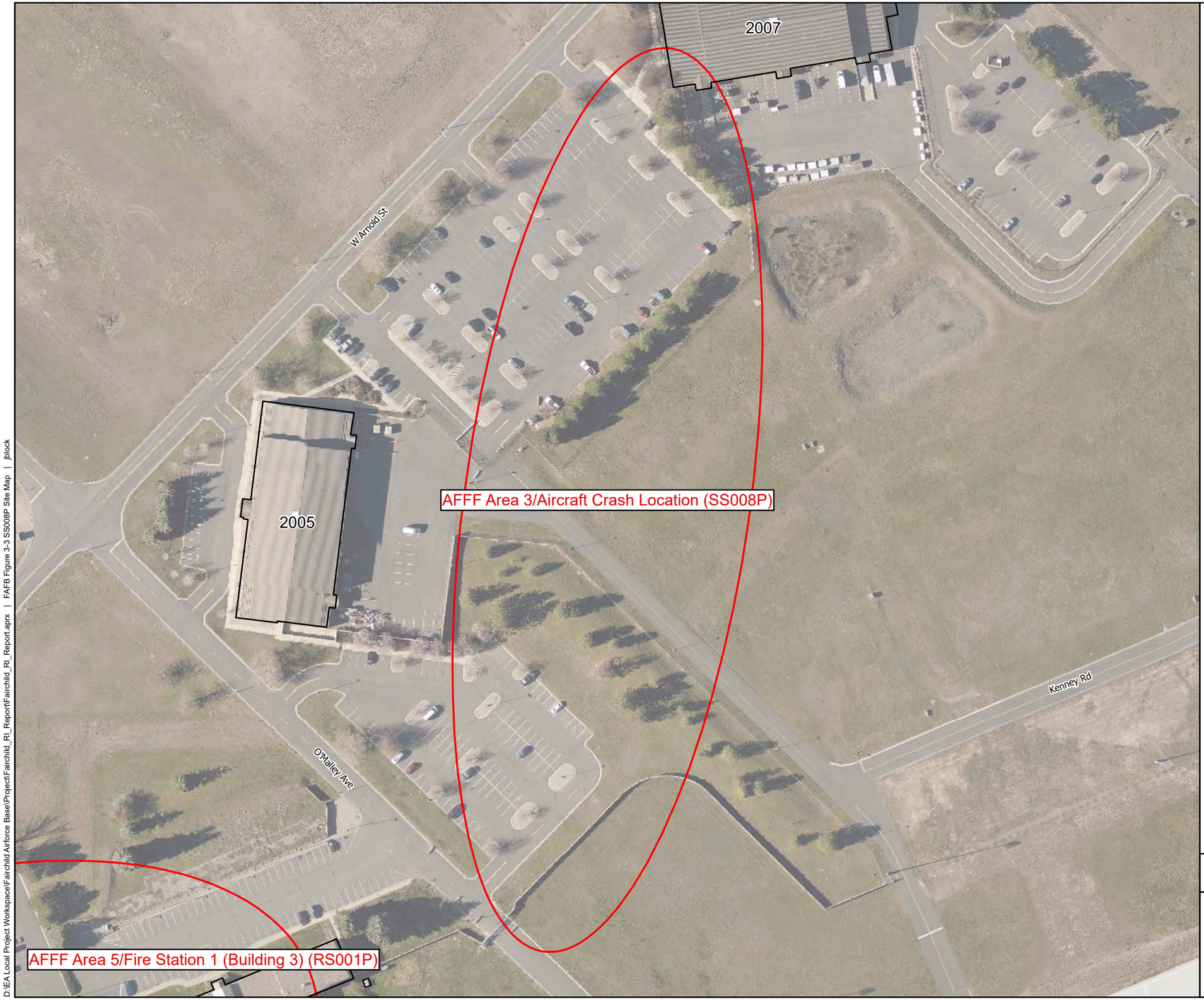
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

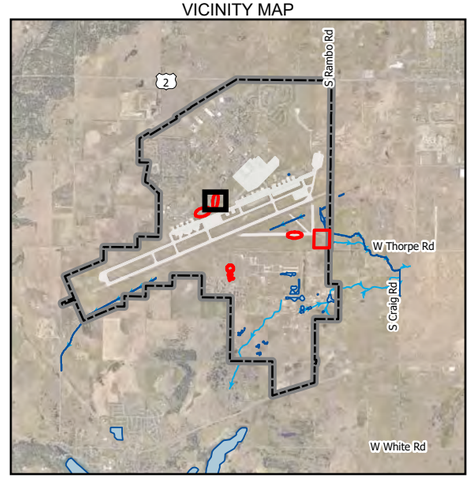
**Figure 3-2: RS003P Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-2 RS003P Site Map | jblock




VICINITY MAP




**Legend**

- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

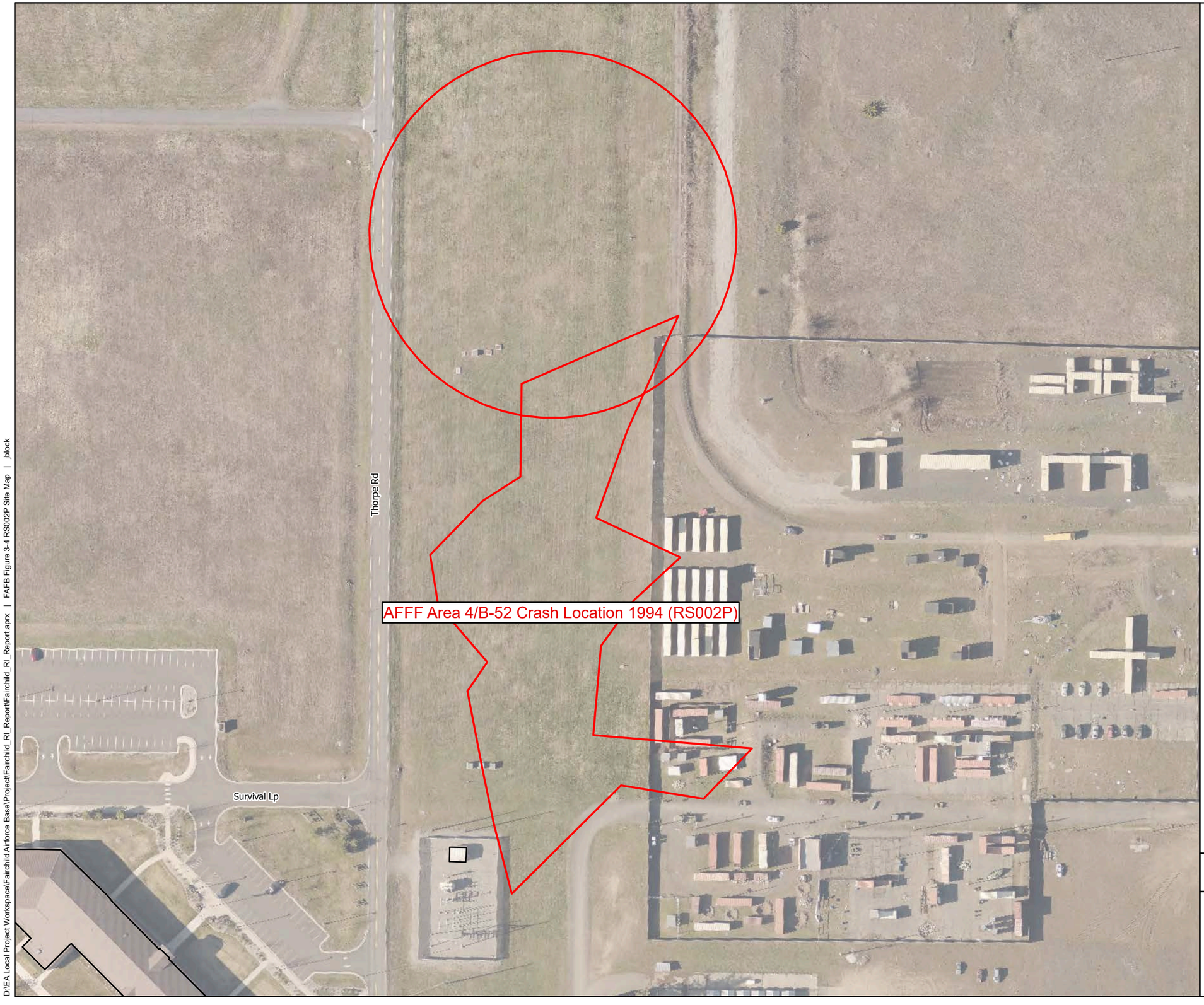
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

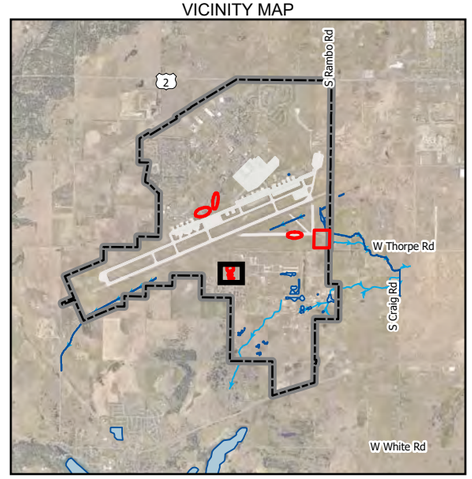
**Figure 3-3: SS008P Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-3 SS008P Site Map | jblock




VICINITY MAP




**Legend**

- Building/Structure
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

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United States Air Force
Fairchild AFB, Washington

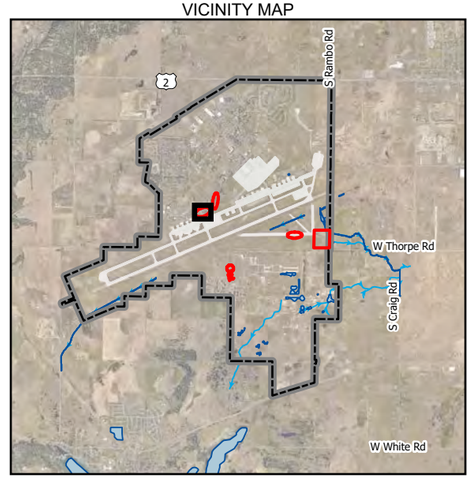
**Figure 3-4: RS002P Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-4 RS002P Site Map | jblock




VICINITY MAP




**Legend**

- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 40 80 160

US Feet

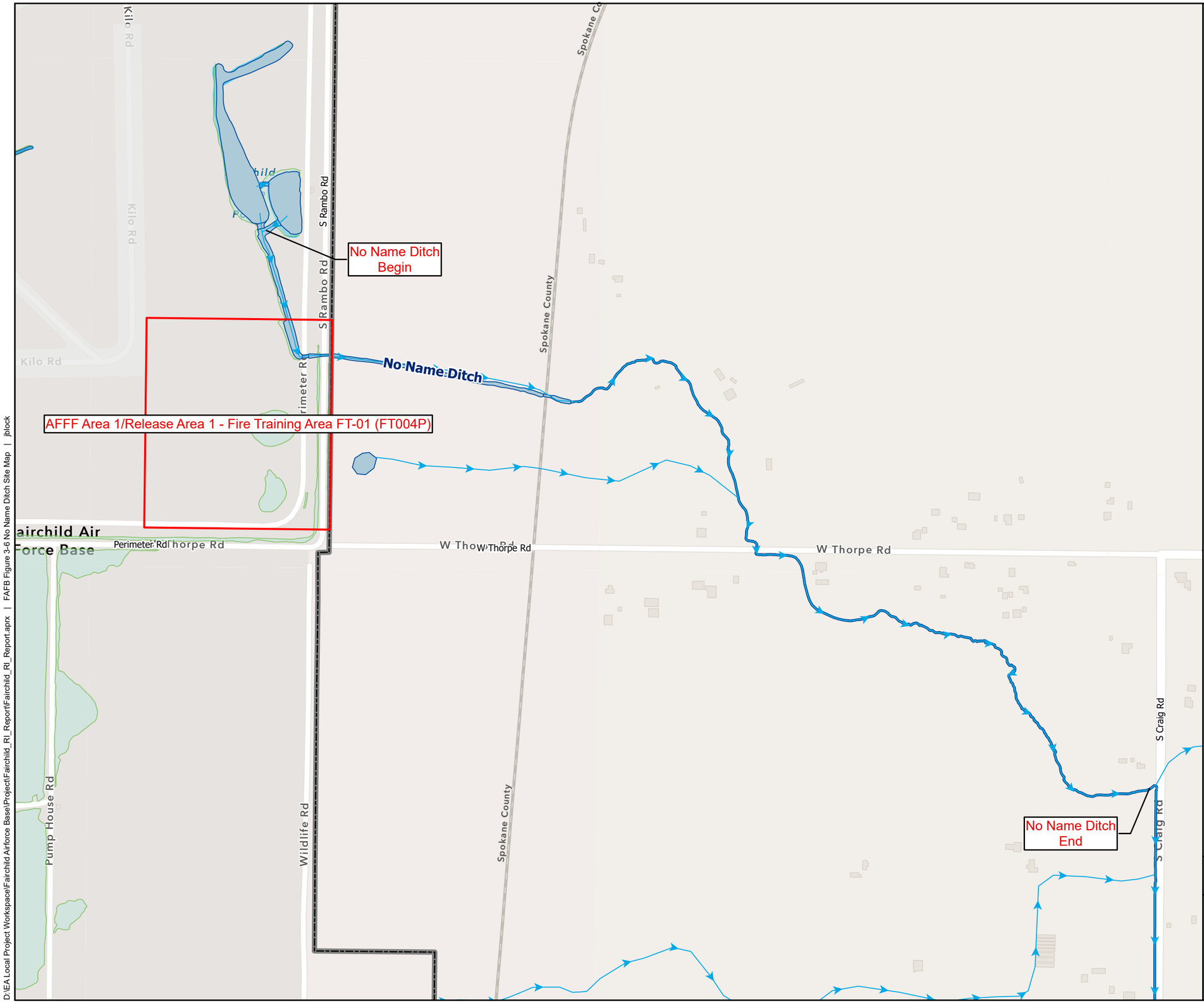
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United States Air Force
Fairchild AFB, Washington

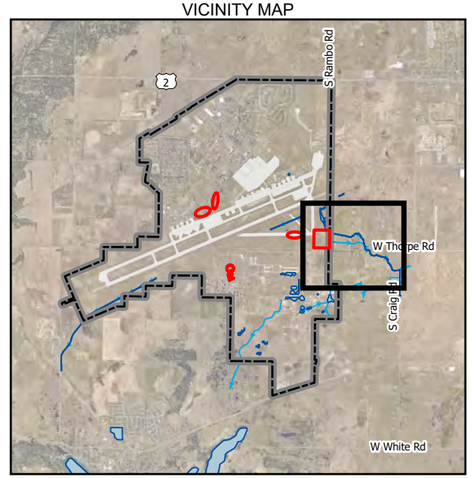
**Figure 3-5: RS001P Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-5 RS001P Site Map | jblock




VICINITY MAP




**Legend**

- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Surface Water
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 255 510 1,020

US Feet

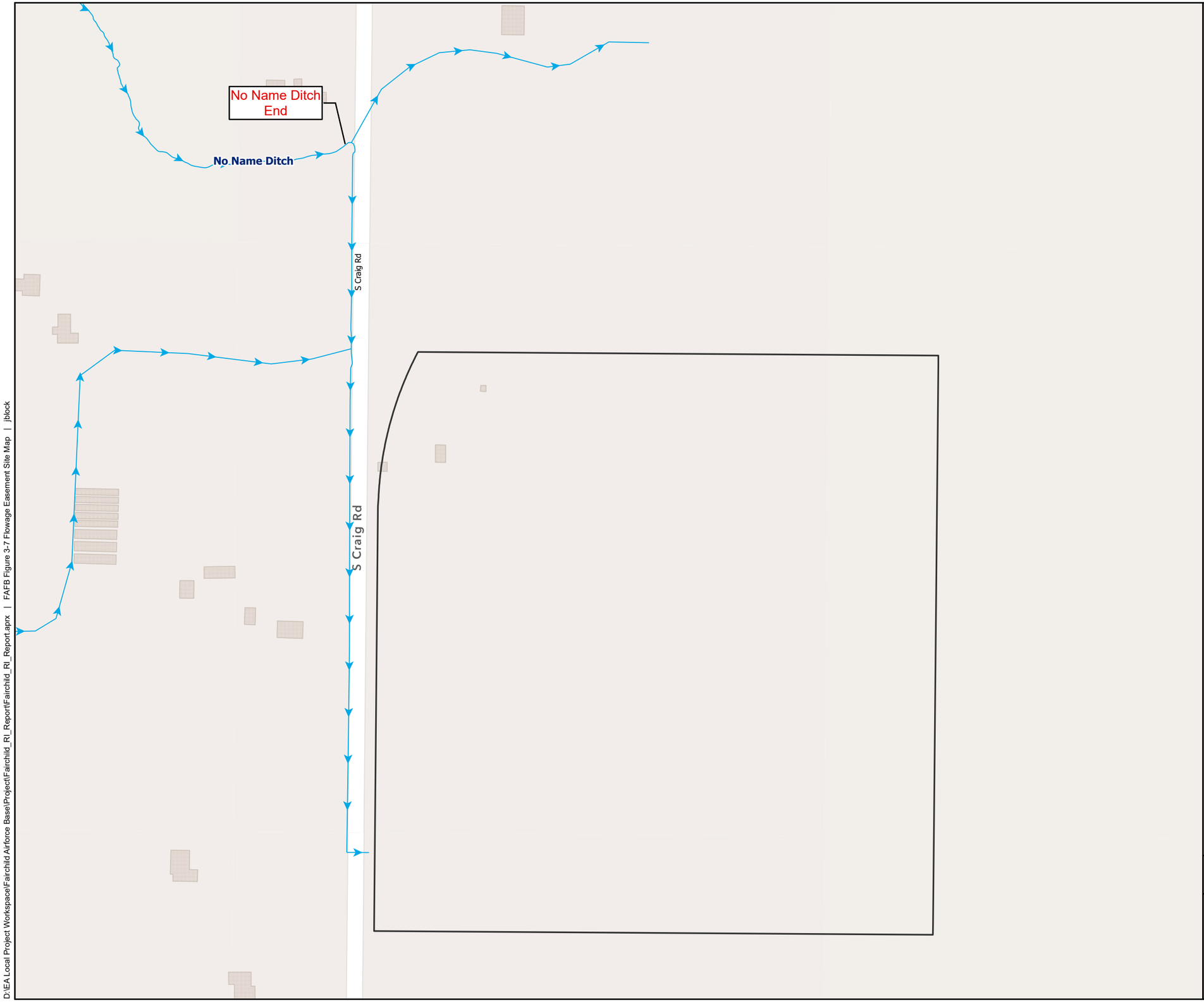
**For Official Use Only** Date: 6/6/2025

United States Air Force
Fairchild AFB, Washington

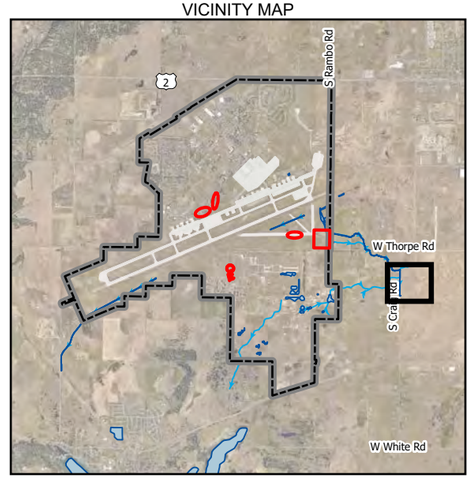
**Figure 3-6: No Name Ditch Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-6 No Name Ditch Site Map | jblock




VICINITY MAP




**Legend**

- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Flowage Easement

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 112.5 225 450

US Feet

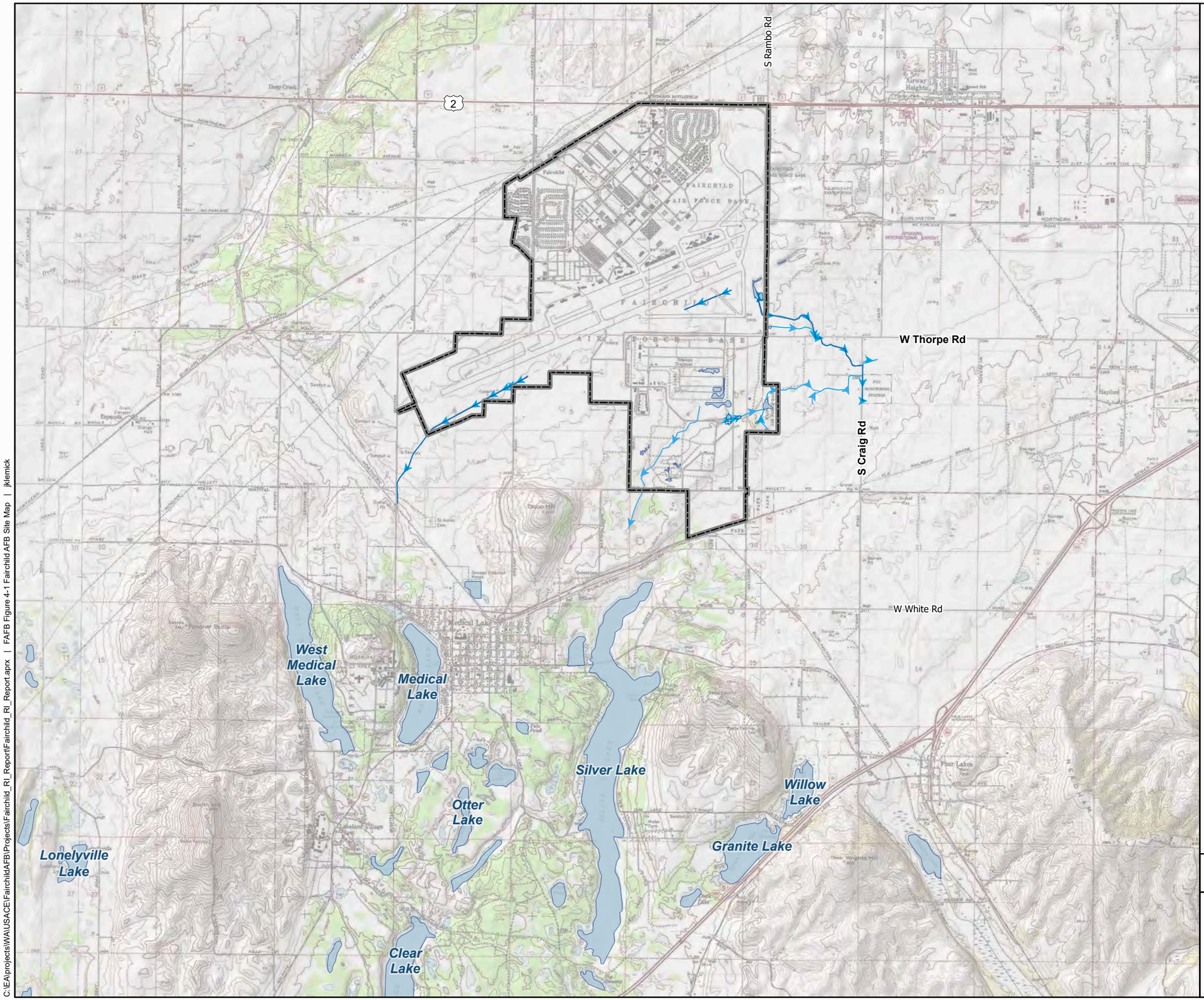
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United States Air Force
Fairchild AFB, Washington

**Figure 3-7: Flowage Easement Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 3-7 Flowage Easement Site Map | jblock




VICINITY MAP




**Legend**

- Fairchild AFB Installation Boundary
- Surface Water
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
PFAS = Per- and polyfluoroalkyl substances
RI = Remedial Investigation

N

0 2,000 4,000 8,000

US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 4-1: Fairchild AFB Site Map**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\EA\projects\WAIUSACE\FairchildAFB\Projects\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 4-1 Fairchild AFB Site Map | jklemick

East Deep Creek Paleochannel

Bedrock outcrops

Airway Heights Paleochannel

Bedrock outcrop

Deno Rd.

MW-RI10
MW-RI11
MW-RI12
MW-RI13
MW-RI15
MW-RI16
MW-RI17
MW-RI18
MW-RI19
MW-RI20
MW-RI21
MW-RI22
MW-RI23
MW-RI25
MW-RI26
MW-RI27
MW-RI29
MW-RI30
MW-RI32
MW-RI33
MW-RI34
MW-RI36
MW-RI37
MW-RI38
MW-RI39
MW-RI40
MW-RI41
MW-RI42
MW-RI43
MW-RI47
MW-RI49
MW-RI50
MW-RI51
MW-RI52
MW-RI53
MW-RI54
MW-RI55
MW-RI56
MW-RI57
MW-RI58
MW-RI59
MW-RI60
MW-RI02
MW-RI03
MW-RI04
MW-RI05
MW-RI06a
MW-RI06b
MW-RI07
MW-RI08
MW-RI09
MW-RI14
MW-RI24

1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400

VICINITY MAP




**Legend**

**Paleochannel Elevation (ft. AMSL)**

- 1900
- 1950
- 2000
- 2050
- 2100
- 2150
- 2200
- 2250
- 2300
- 2350
- 2400

**PFAS RI Wells**

- Basalt
- Basalt B
- Unconsolidated Deposits
- FAFB Boundary
- Release

Contours adapted from the Final Drinking Water Protection Study, FAFB, WA (Tehama 2021)

N

0 1,500 3,000 4,500 6,000

Feet

**For Official Use Only**

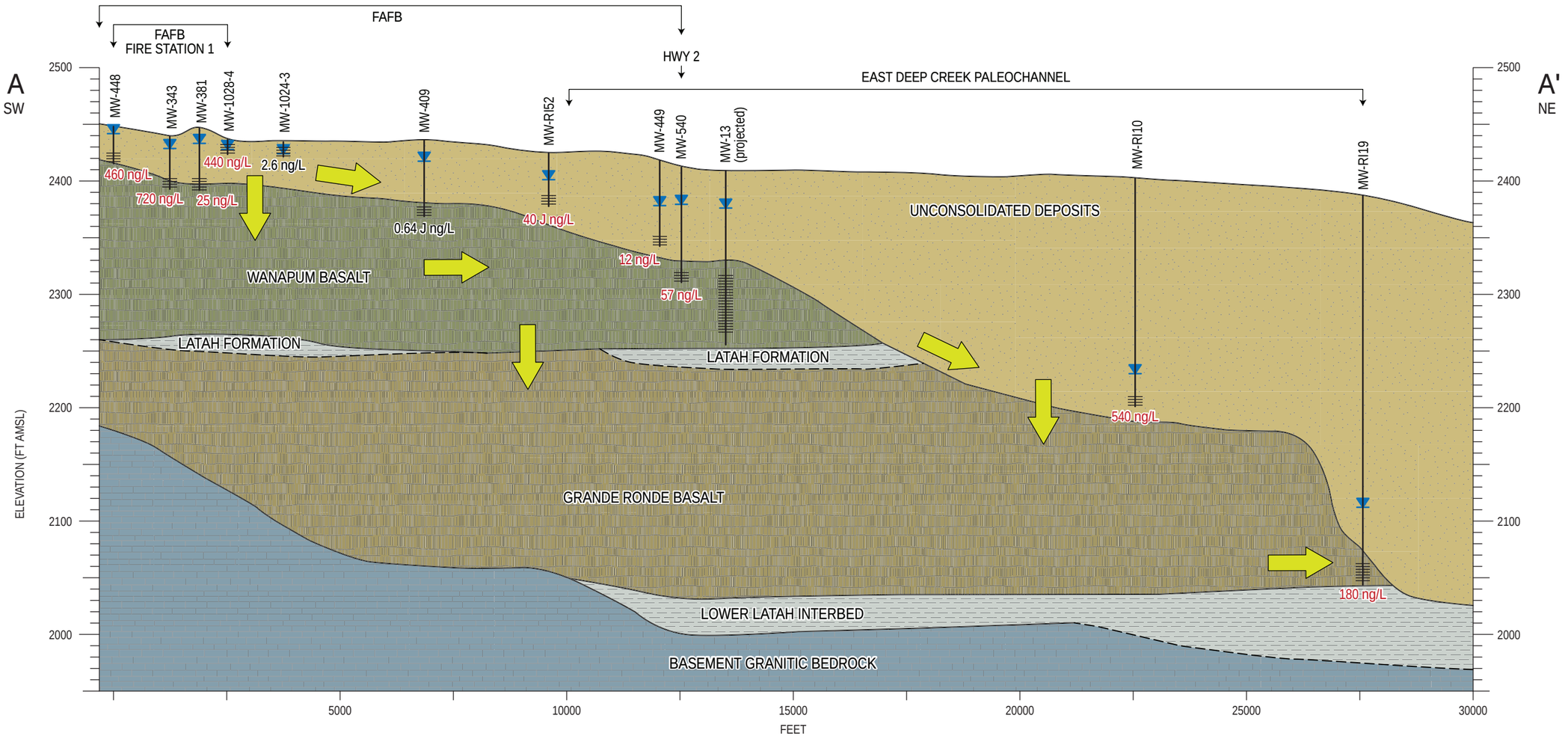
Date: 7/29/2025

United States Air Force
Fairchild AFB, Washington

**Figure 4-2**
**Bedrock Elevation Contours**

Fairchild AFB
Phase I Remedial Investigation (RI)

C:\Users\jreeve\OneDrive - EA Engineering, Science, and Technology, Inc., PBC\Documents\ArcGIS\Projects\FAFB_new\MXD\Figure 4-2 Bedrock Contours_rev2.mxd jreeve




## Legend

- UNCONSOLIDATED DEPOSITS
- WANAPUM BASALT A
- GRANDE RONDE BASALT B
- LOWER LATAH INTERBED
- BASEMENT GRANITIC BEDROCK

MW-1028-4 — MONITORING WELL

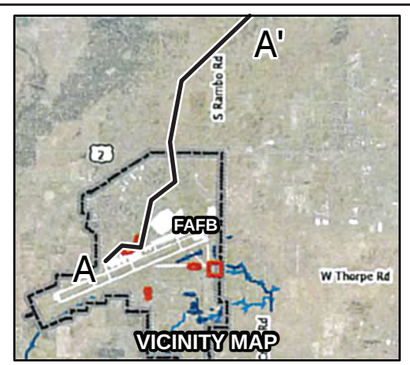
SCREENED INTERVAL

440 ng/L — PFOS CONCENTRATION

GROUNDWATER ELEVATION

POTENTIAL PFAS MIGRATION DIRECTION

NOTES:
(1) EXCEEDENCES HIGHER THAN 4.0 ng/L (MCL) ARE RED BOLD
AMSL - ABOVE MEAN SEA LEVEL
FT - FOOT/FEET
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
MCL - MAXIUMUM CONTAMINANT LEVEL
ng/L - NANOGRAMS PER LITER



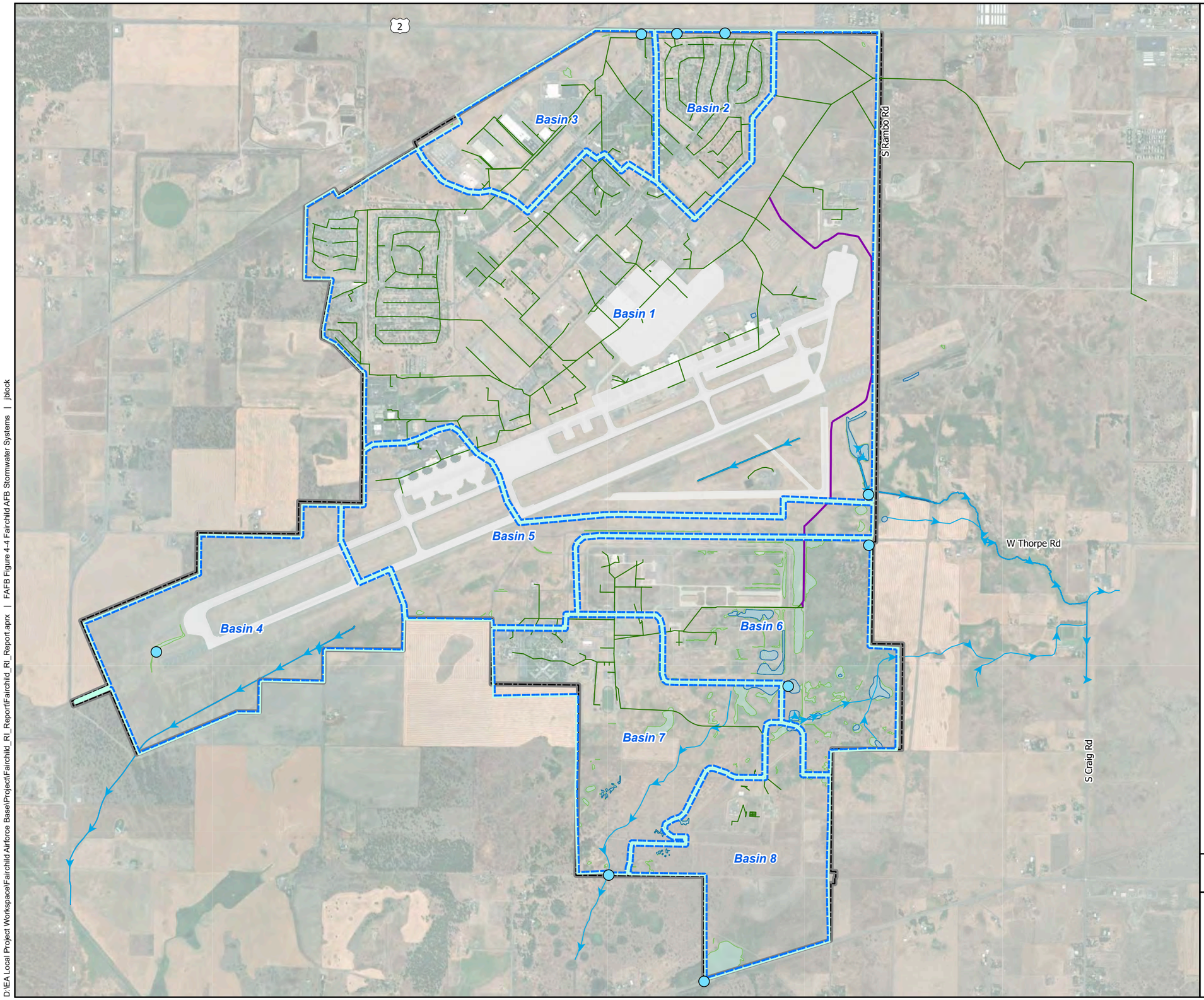

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United States Air Force
Fairchild AFB, Washington

**Figure 4-3 : Cross Section A-A'**
**Conceptual Site Model**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\Users\ecarpio\OneDrive - EA Engineering, Science, and Technology, Inc., PBC\Desktop\6329605_FAFB_X_SEC\FAFB_PFAS_RI_XSECAA.ai




VICINITY MAP




**Legend**

- Fairchild AFB Installation Boundary
- Surface Water
- Surface Drainage
- Stormwater Discharge Points
- Stormwater Basins
- Pressurized Sewer Lines
- Gravity Main Sewer Lines
- Wetland Area

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 500 1,000 2,000
US Feet

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United States Air Force
Fairchild AFB, Washington

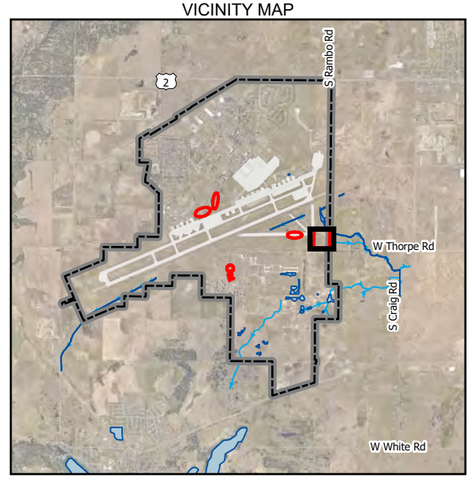
**Figure 4-4: Fairchild AFB Stormwater Sewer Infrastructure**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 4-4 Fairchild AFB Stormwater Systems | jblock

SB-RA101
SB-RA102
No Name Ditch
SB-RA109
Oil Water Separator (removed)
SB-RA112
SB-RA108
SB-RA111
SB-RA110
AFFF Area 1/Release Area 1 - Fire Training Area FT-01 (FT004P)
SB-RA113
SB-RA103
S Rambo Rd
SB-RA107
SB-RA106
SB-RA115
SB-RA116
Perimeter Rd
SB-RA114
SB-RA105
SB-RA104

VICINITY MAP




**Legend**

- FT004P Soil Sampling Locations
- FT004P Groundwater Sampling Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 60 120 240

US Feet

**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

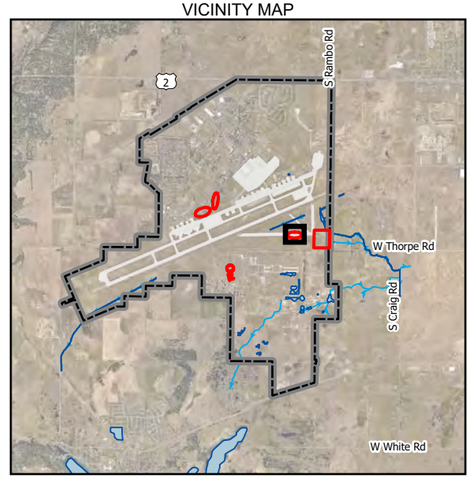
**Figure 5-1: FT004P Soil and Groundwater Sampling Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-1 FT004P Site Map - Soil and GW | jblock




VICINITY MAP




**Legend**

- RS003P Soil Sampling Locations
- RS003P Groundwater Sampling Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 45 90 180

US Feet

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United States Air Force
Fairchild AFB, Washington

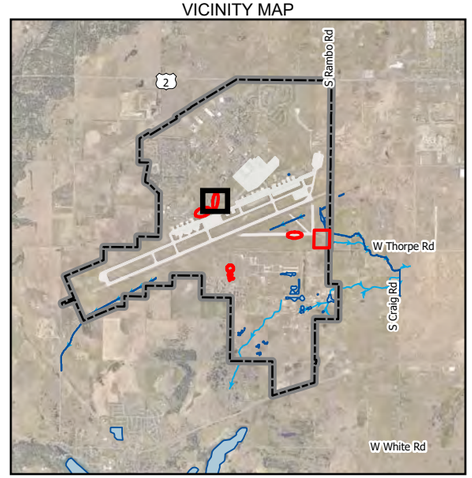
**Figure 5-2: RS003P Soil and Groundwater Sampling Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-2 RS003P Site Map - Soil and GW | jblock




VICINITY MAP




**Legend**

- SS008P Soil Sampling Locations
- SS008P Groundwater Sampling Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 62.5 125 250

US Feet

**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

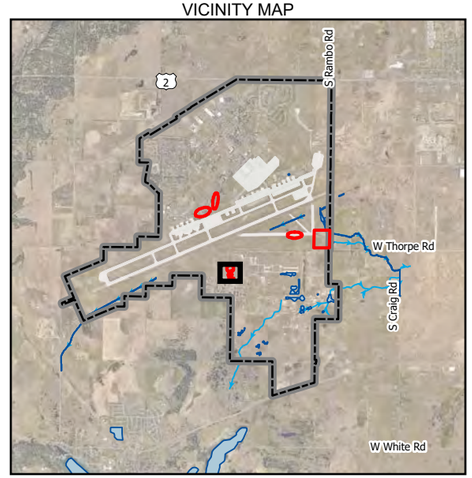
**Figure 5-3: SS008P Soil and Groundwater Sampling Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-3 SS008P Site Map - Soil and GW | jblock




VICINITY MAP




**Legend**

- RS002P Soil Sampling Locations
- RS002P Groundwater Sampling Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 50 100 200

US Feet

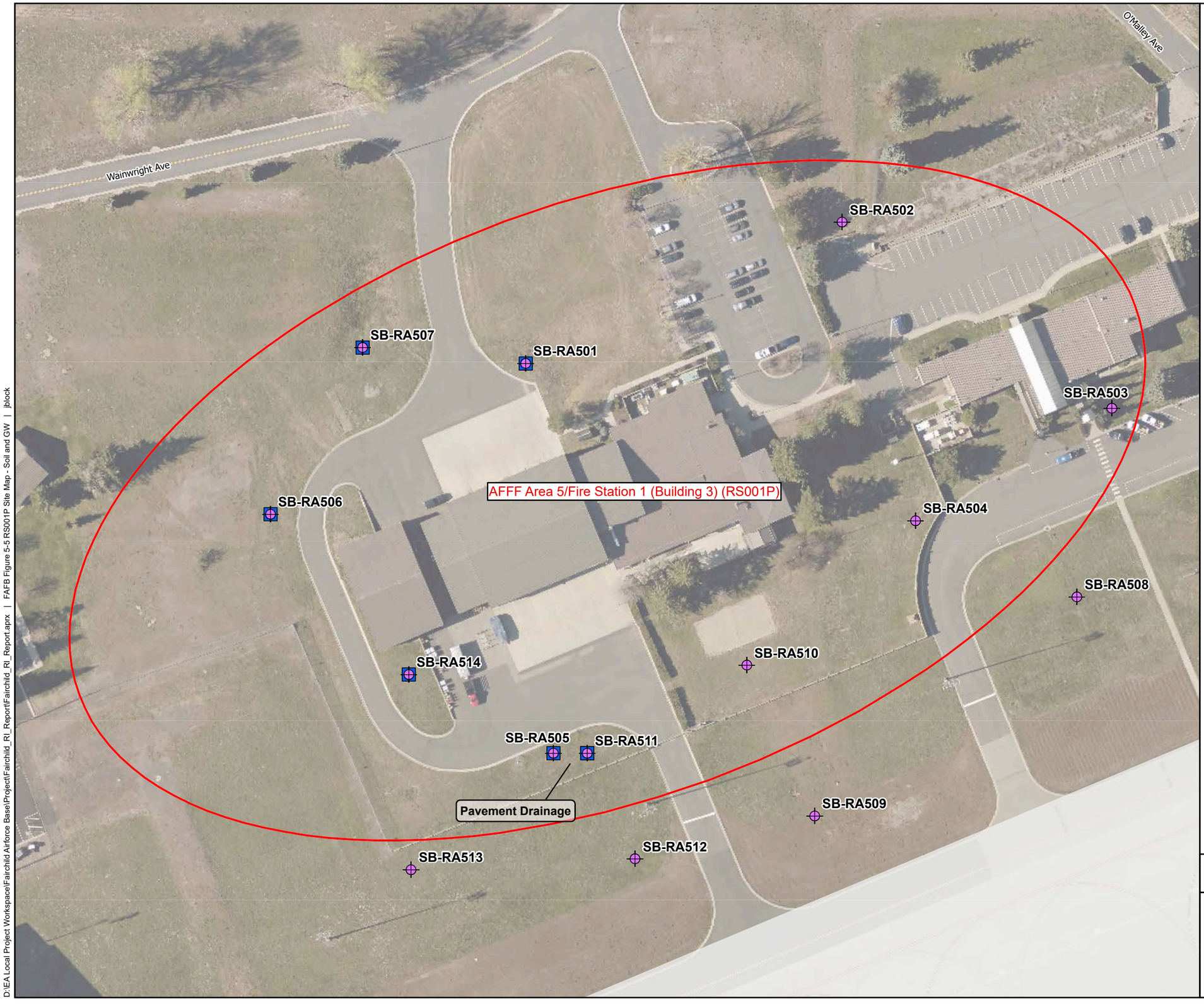
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United States Air Force
Fairchild AFB, Washington

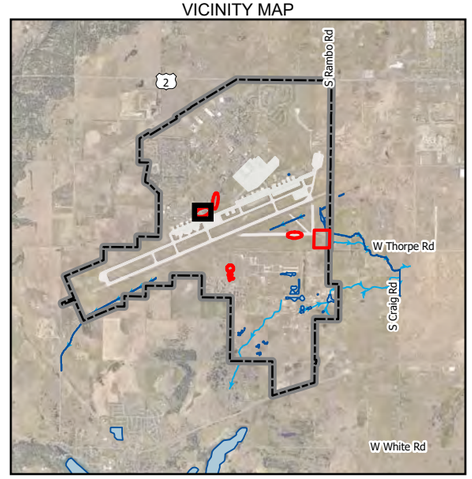
**Figure 5-4: RS002P Soil and Groundwater Sampling Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-4 RS002P Site Map - Soil and GW | jblock




VICINITY MAP




**Legend**

- RS001P Soil Sampling Locations
- RS001P Groundwater Sampling Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 40 80 160

US Feet

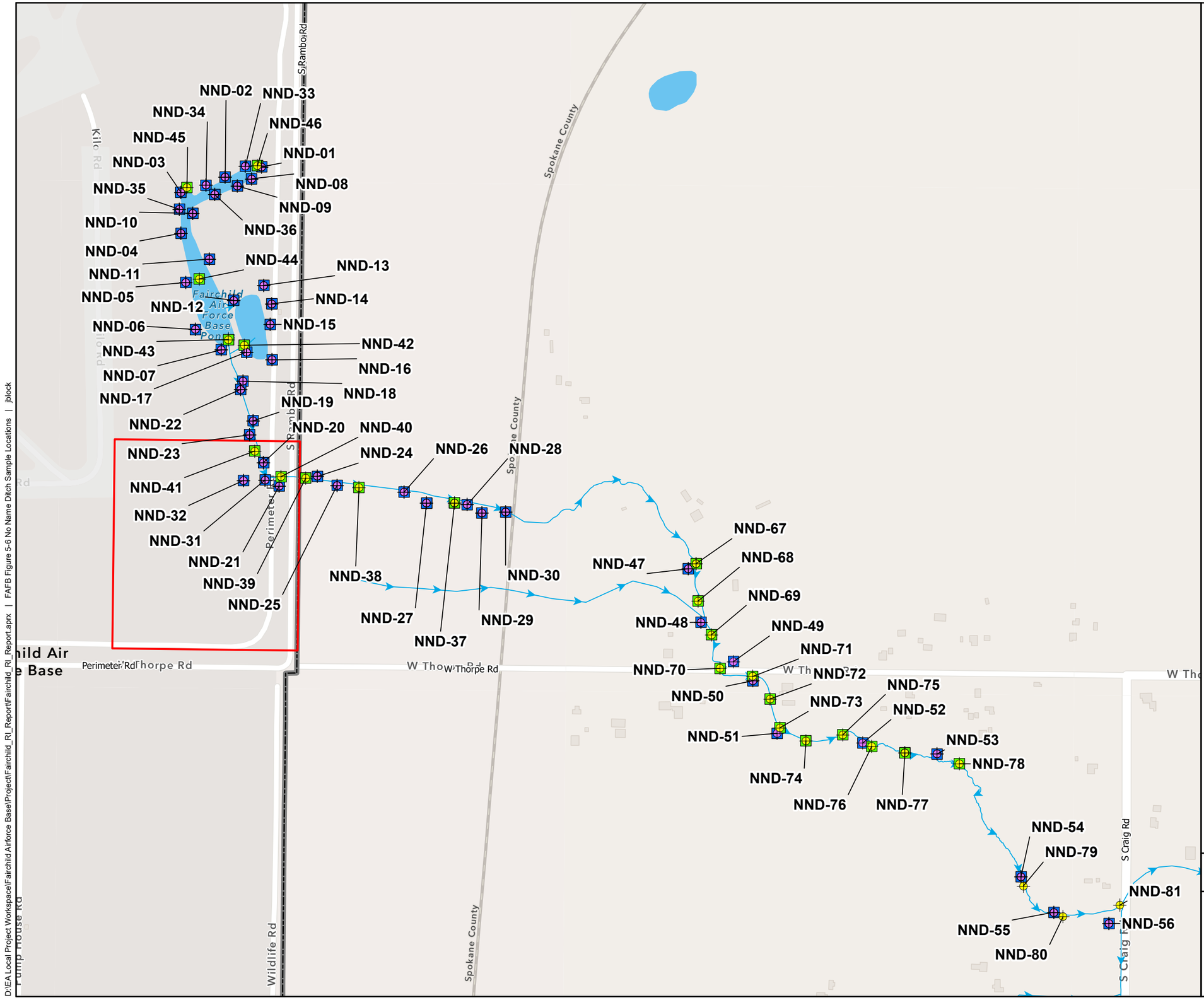
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United States Air Force
Fairchild AFB, Washington

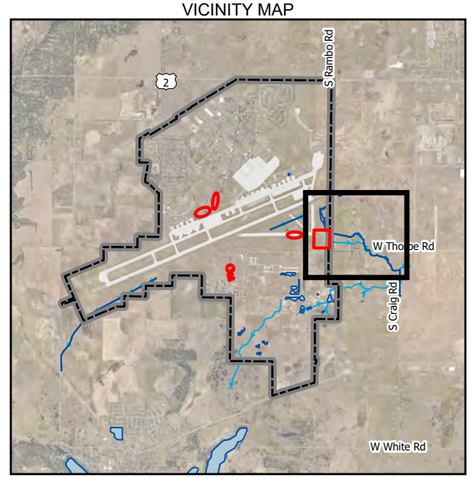
**Figure 5-5: RS001P Soil and Groundwater Sampling Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-5 RS001P Site Map - Soil and GW | jblock




VICINITY MAP




**Legend**

Sample by Matrix Type

- Sediment Sample Location
- Soil Sample Location
- Groundwater Sample Location
- Surface Water Sample Location
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 255 510 1,020

US Feet

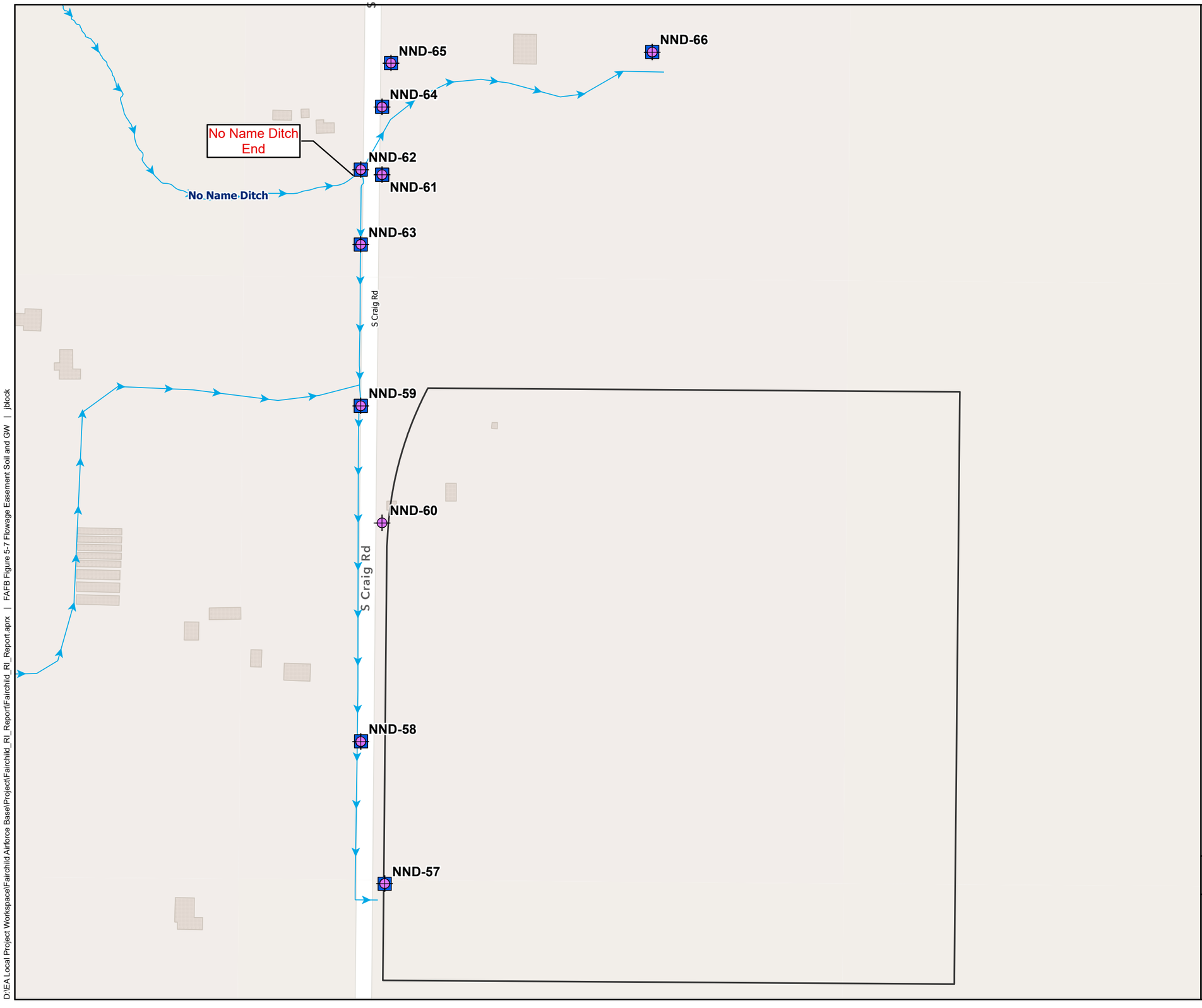
**For Official Use Only** Date: 6/6/2025

United States Air Force
Fairchild AFB, Washington

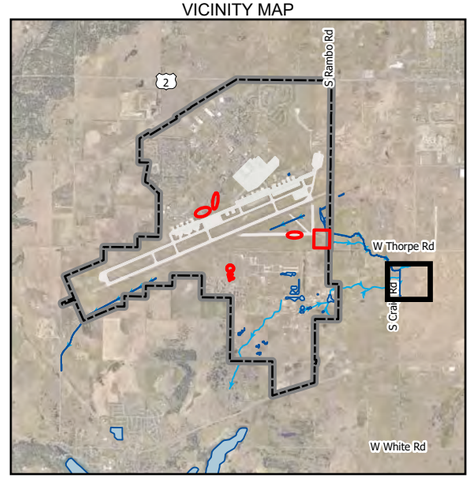
**Figure 5-6: No Name Ditch Soil, Groundwater, Sediment, and Surface Water Sample Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-6 No Name Ditch Sample Locations | jblock




VICINITY MAP




**Legend**

- Flowage Easement Soil Sampling Locations
- Flowage Easement Groundwater Sampling Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Flowage Easement

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 110 220 440

US Feet

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United States Air Force
Fairchild AFB, Washington

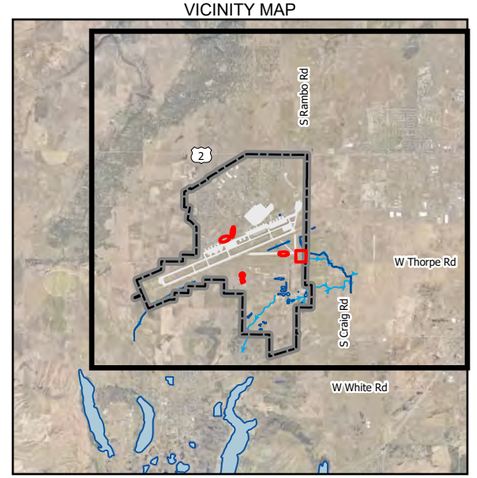
**Figure 5-7: Flowage Easement Soil and Groundwater Sample Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-7 Flowage Easement Soil and GW | jblock

MW-RI19
MW-RI34
MW-RI33
MW-RI32
MW-RI10
S Rambo Rd
MW-RI59
MW-RI36
MW-RI12
MW-RI13
MW-RI11
2
MW-RI51
MW-RI20
MW-RI60
MW-RI27
MW-RI14
MW-RI16
MW-RI53
MW-RI23
MW-RI24
MW-RI26
MW-RI38
MW-RI52
MW-RI09*
MW-RI55
MW-RI22
MW-RI41
MW-RI54
MW-RI39
MW-RI07
MW-RI25
MW-RI50
MW-RI58
MW-RI42
MW-RI47
MW-RI15
W McFarlane Rd
MW-RI02
MW-RI40
MW-RI03
AFFF Area 3/Aircraft Crash Location (SS008P)
AFFF Area 2/Calibration Area (RS003P)
AFFF Area 5/Fire Station 1 (Building 3) (RS001P)
MW-RI43
MW-RI49
MW-RI56
MW-RI21
W Thorpe Rd
MW-RI29
MW-RI18
AFFF Area 1/Release Area 1 - Fire Training Area FT-01 (FT004P)
MW-RI31*
MW-RI08
MW-RI37
MW-RI06b
MW-RI57
MW-RI04
MW-RI06a
MW-RI30
MW-RI17
S Craig Rd
AFFF Area 4/B-52 Crash Location 1994 (RS002P)
MW-RI05

VICINITY MAP




**Legend**

Well Installation Location by Event
- Fall 2021
- Spring 2022
- Winter 2023
- Fall 2024
- January 2025

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

* = Boring abandoned, no well installed

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,500 3,000 6,000

US Feet

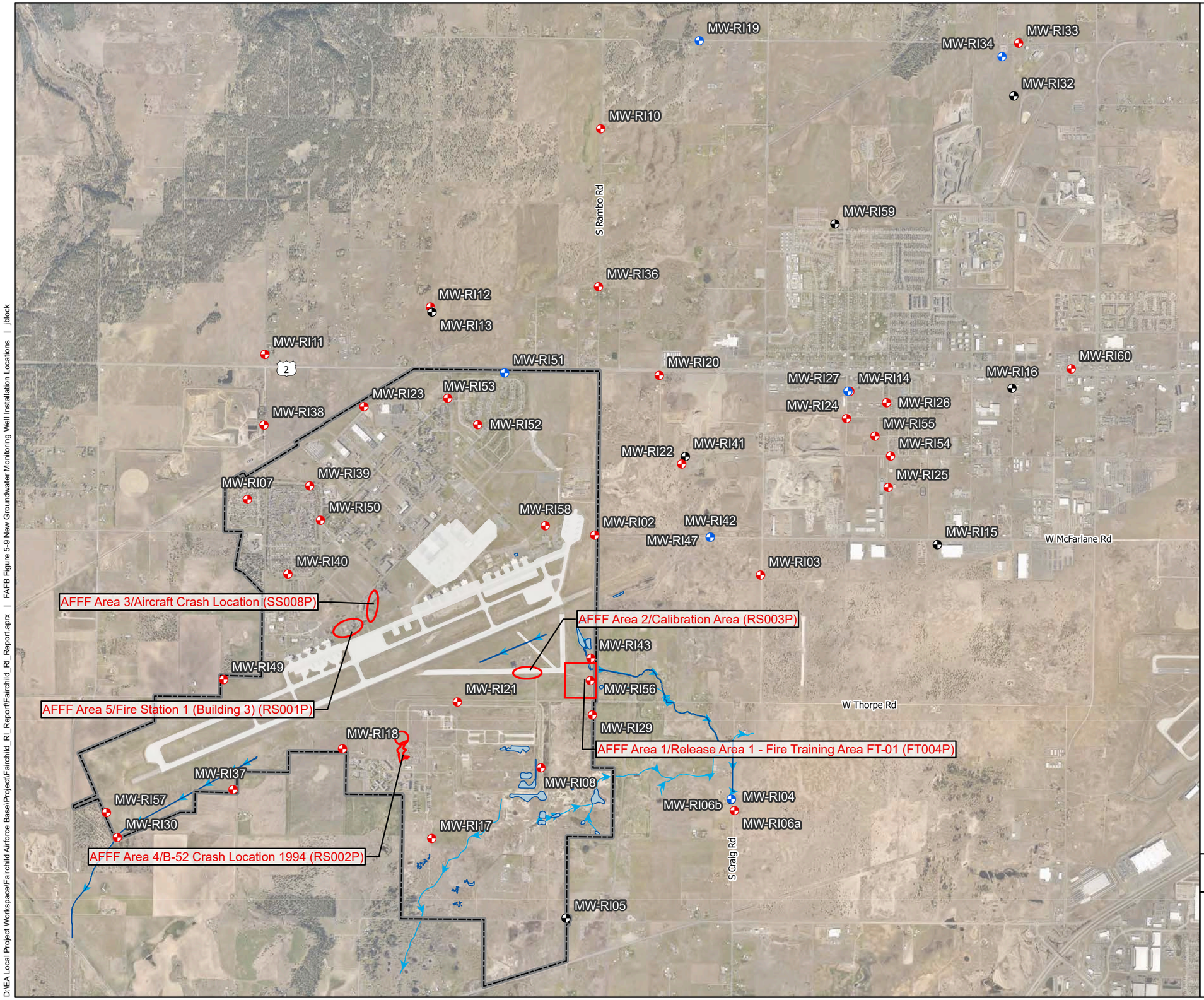
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

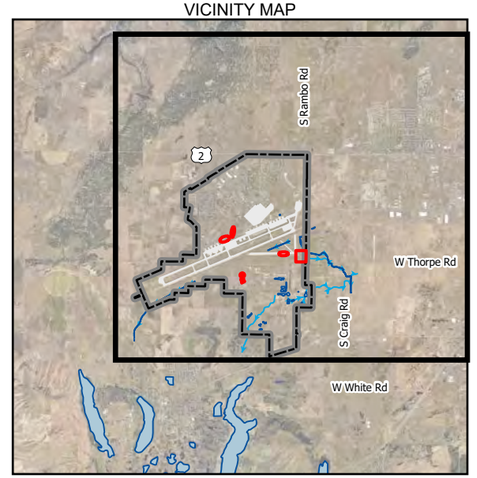
**Figure 5-8: Well Installation 2021-2025 Soil Sample Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-8 Well Installation 2021-2025 – Soil Sample Locations | jblock




VICINITY MAP




**Legend**

New Groundwater Monitoring Well Installation Locations

- Basalt A Aqufier Monitoring Well Location
- Basalt B Aquifer Monitoring Well Location
- Unconsolidated Deposits Aquifer Monitoring Well Location
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Water
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,500 3,000 6,000

US Feet

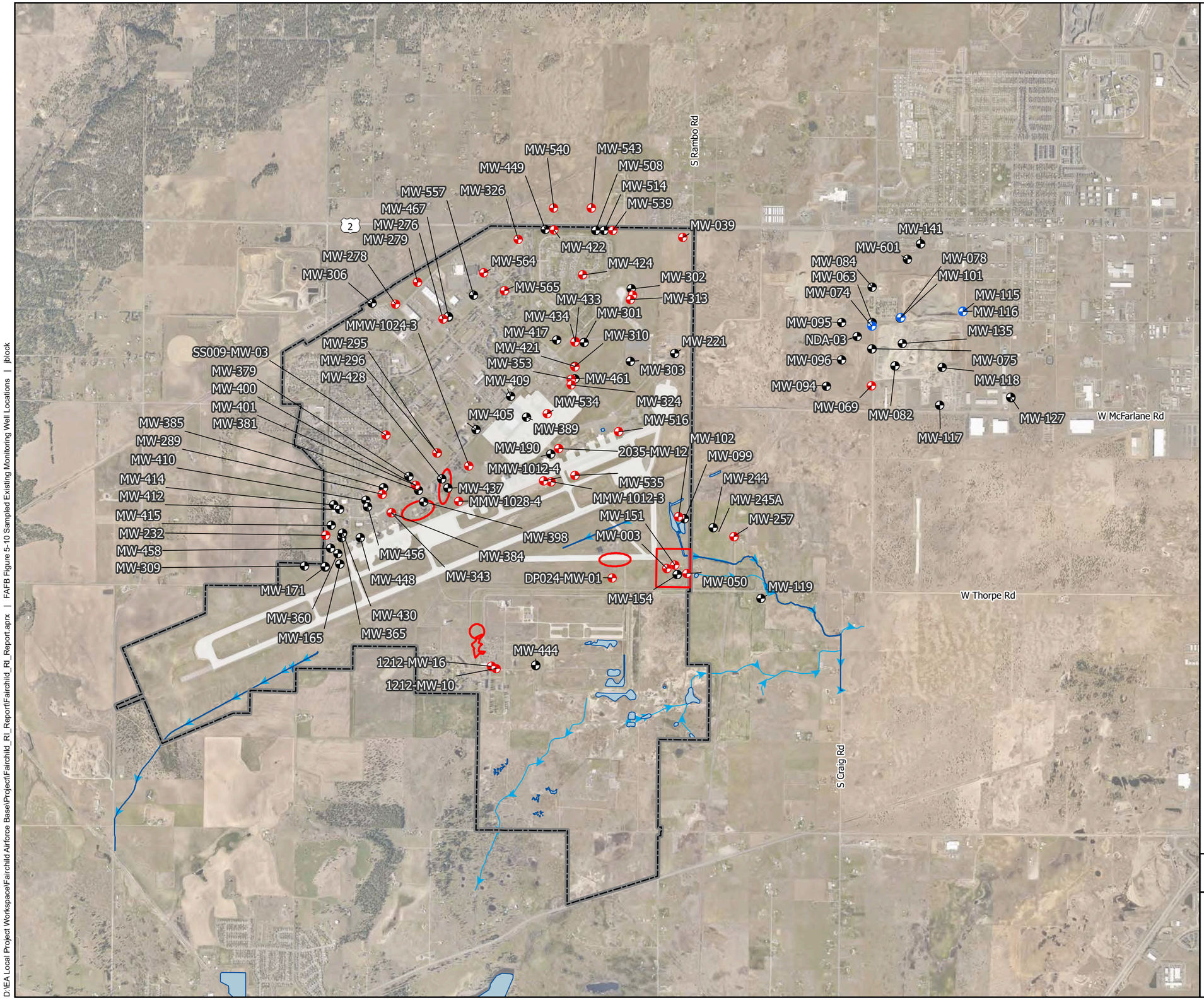
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

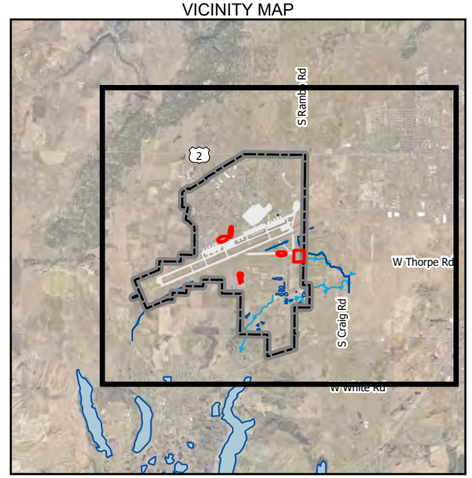
**Figure 5-9: New Groundwater Monitoring Well Installation Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-9 New Groundwater Monitoring Well Installation Locations | jblock




VICINITY MAP




**Legend**

Existing Monitoring Well Locations Sampled During the Phase 1 RI

- Basalt A Aquifer Monitoring Well
- Basalt B Aquifer Monitoring Well
- Unconsolidated Deposits Aquifer Monitoring Well
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Water
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

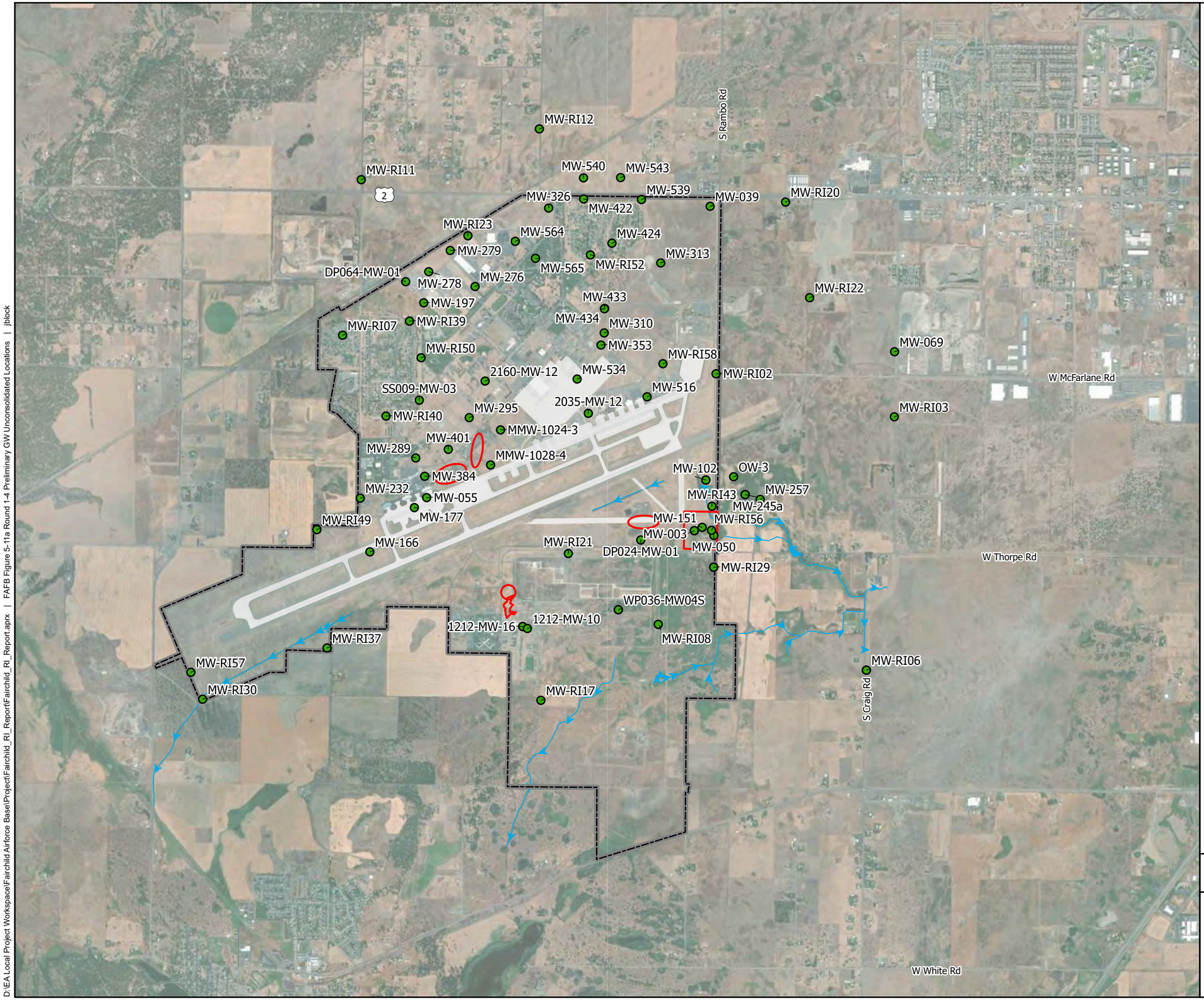
**For Official Use Only** Date: 6/3/2025

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Fairchild AFB, Washington

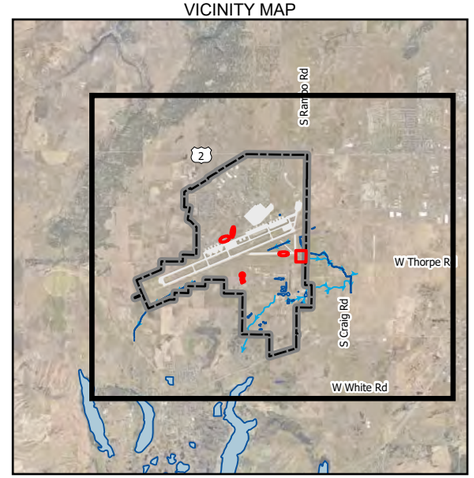
**Figure 5-10: Sampled Existing Monitoring Well Locations**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-10 Sampled Existing Monitoring Well Locations | jblock




VICINITY MAP




**Legend**

- Unconsolidated Deposits Aquifer Sample Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

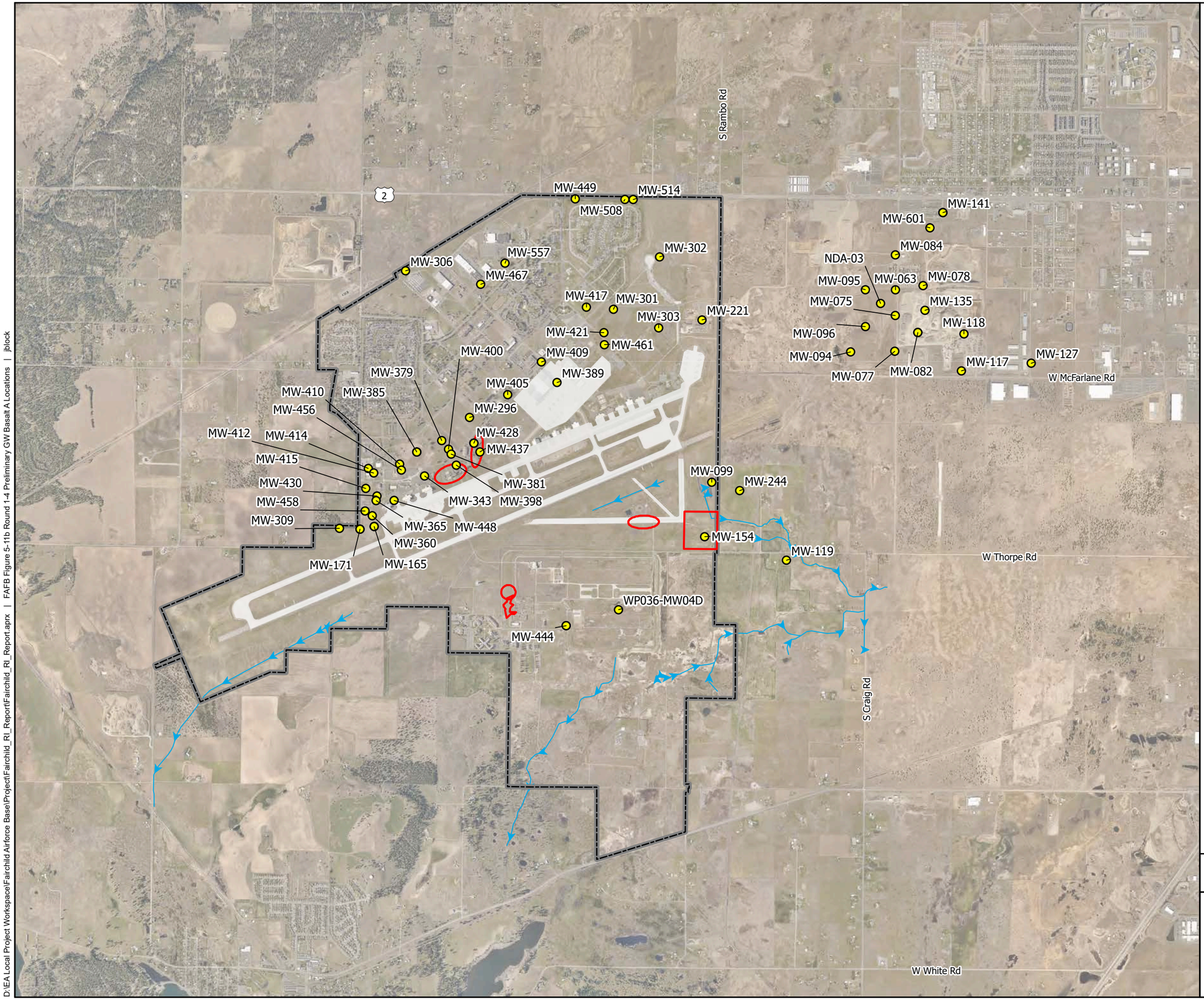
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

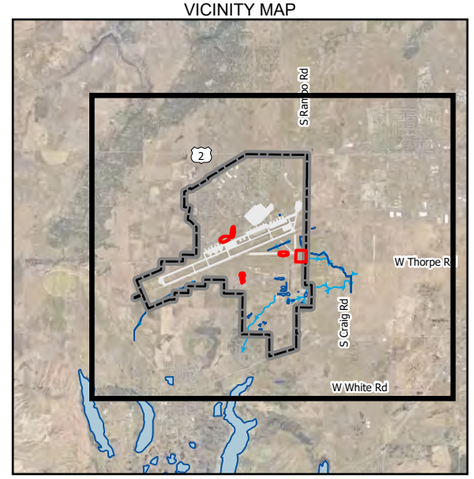
**Figure 5-11a: Round 1 - 4 Groundwater Sample Locations (Unconsolidated Deposits Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-11a Round 1-4 Preliminary GW Unconsolidated Locations | jblock




VICINITY MAP




**Legend**

- Basalt A Aquifer Sample Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

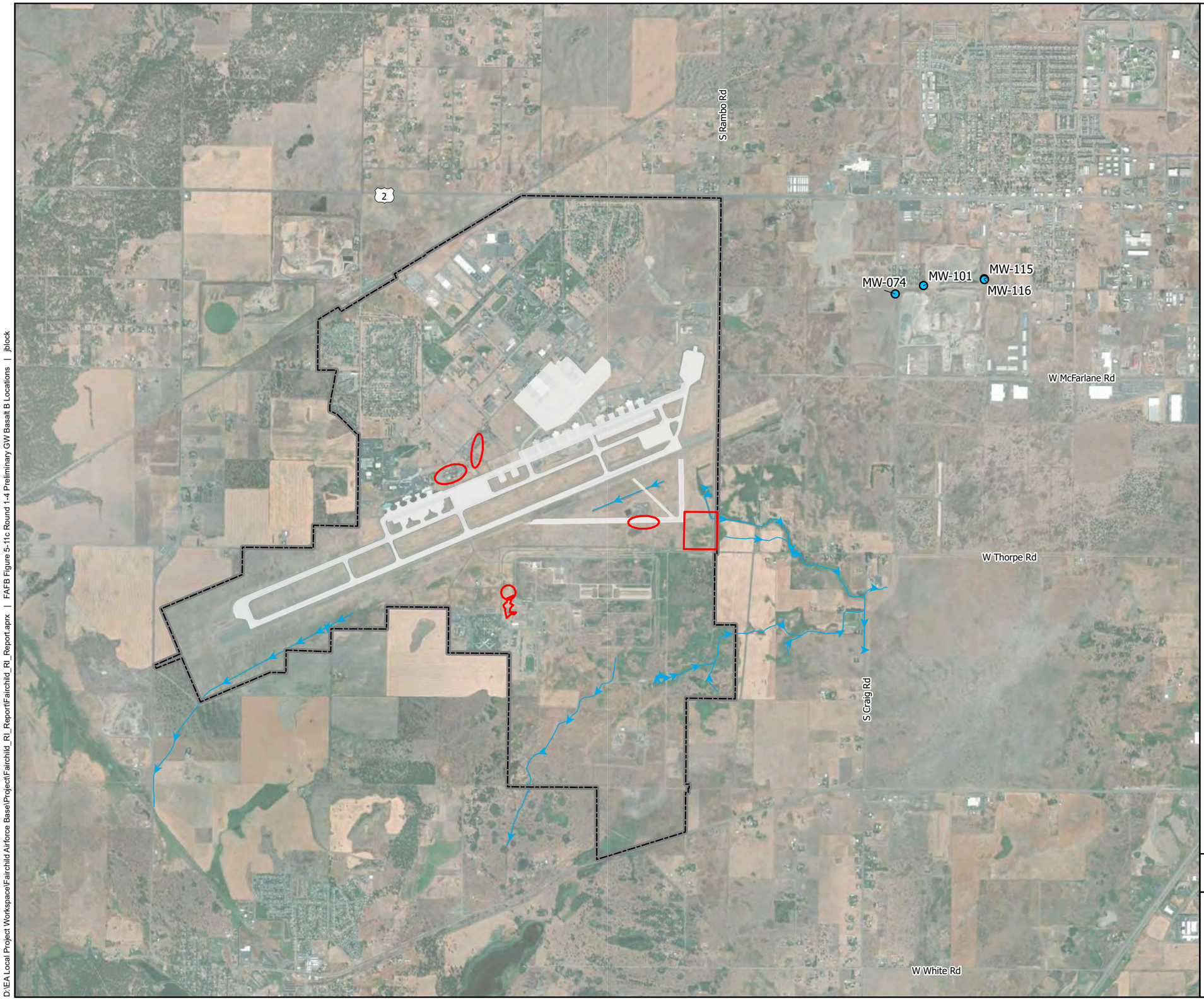
**For Official Use Only** Date: 6/3/2025

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Fairchild AFB, Washington

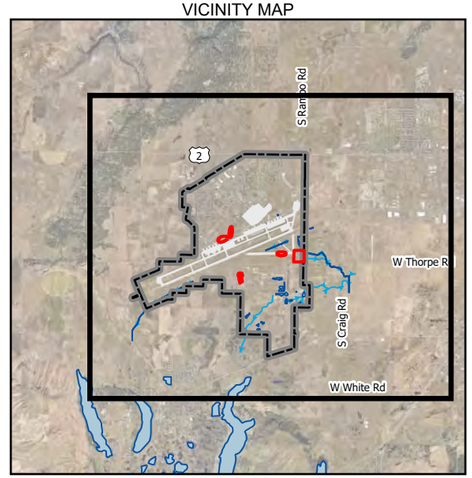
**Figure 5-11b: Round 1 - 4 Groundwater Sample Locations (Basalt A Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-11b Round 1-4 Preliminary GW Basalt A Locations | jblock




VICINITY MAP




**Legend**

- Basalt B Aquifer Sample Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

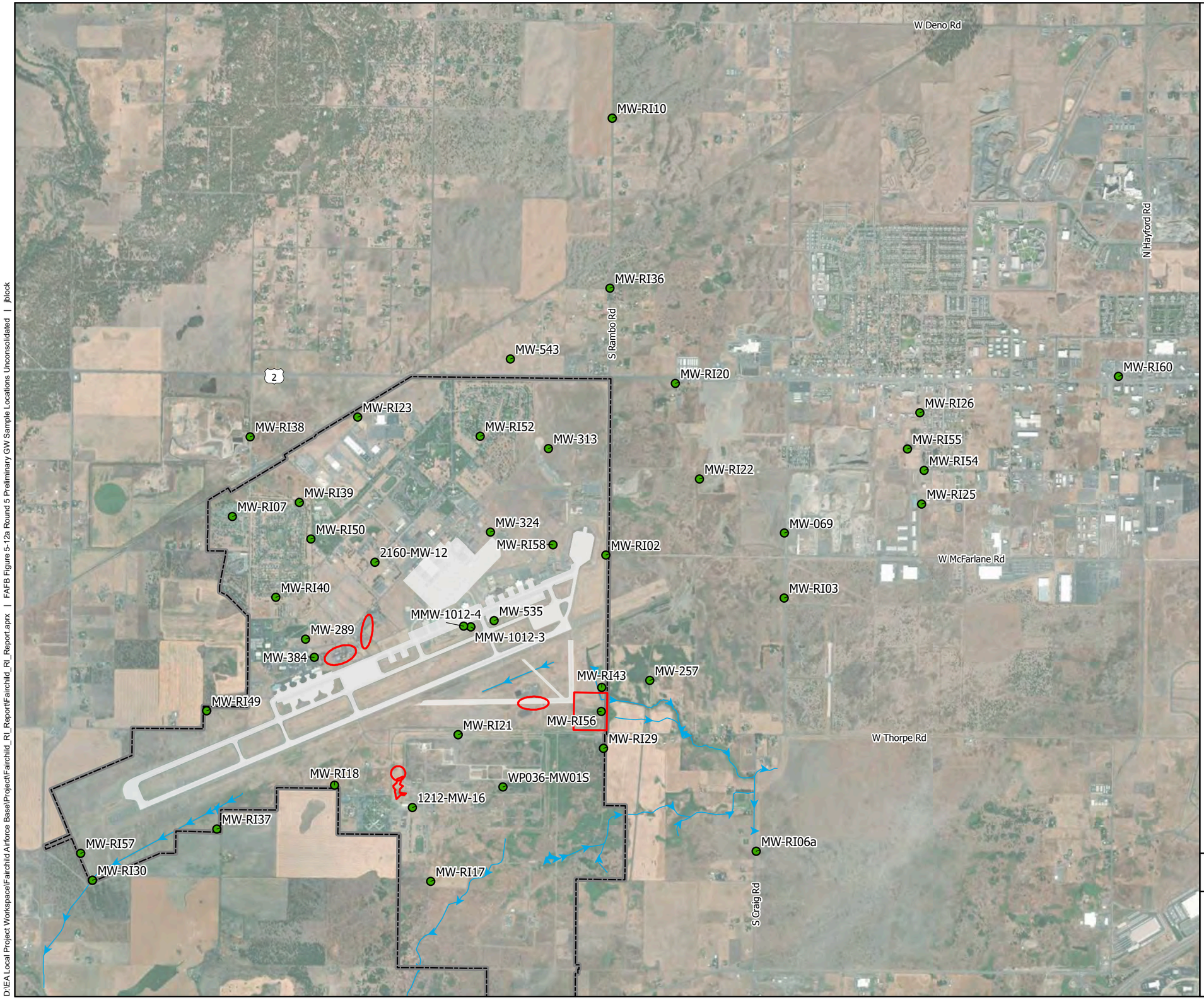
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

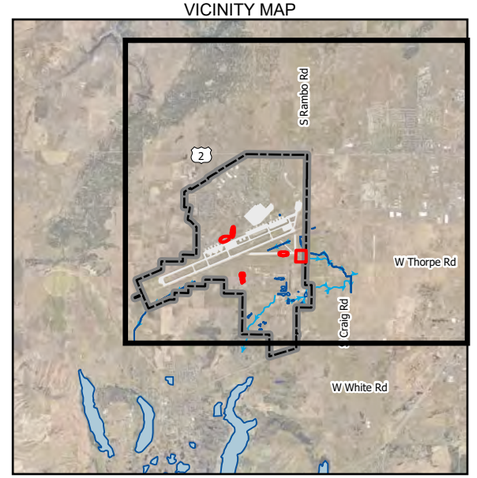
**Figure 5-11c: Round 1 - 4 Groundwater Sample Locations (Basalt B Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-11c Round 1-4 Preliminary GW Basalt B Locations | jblock




VICINITY MAP




**Legend**

- Unconsolidated Deposits Aquifer Sample Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

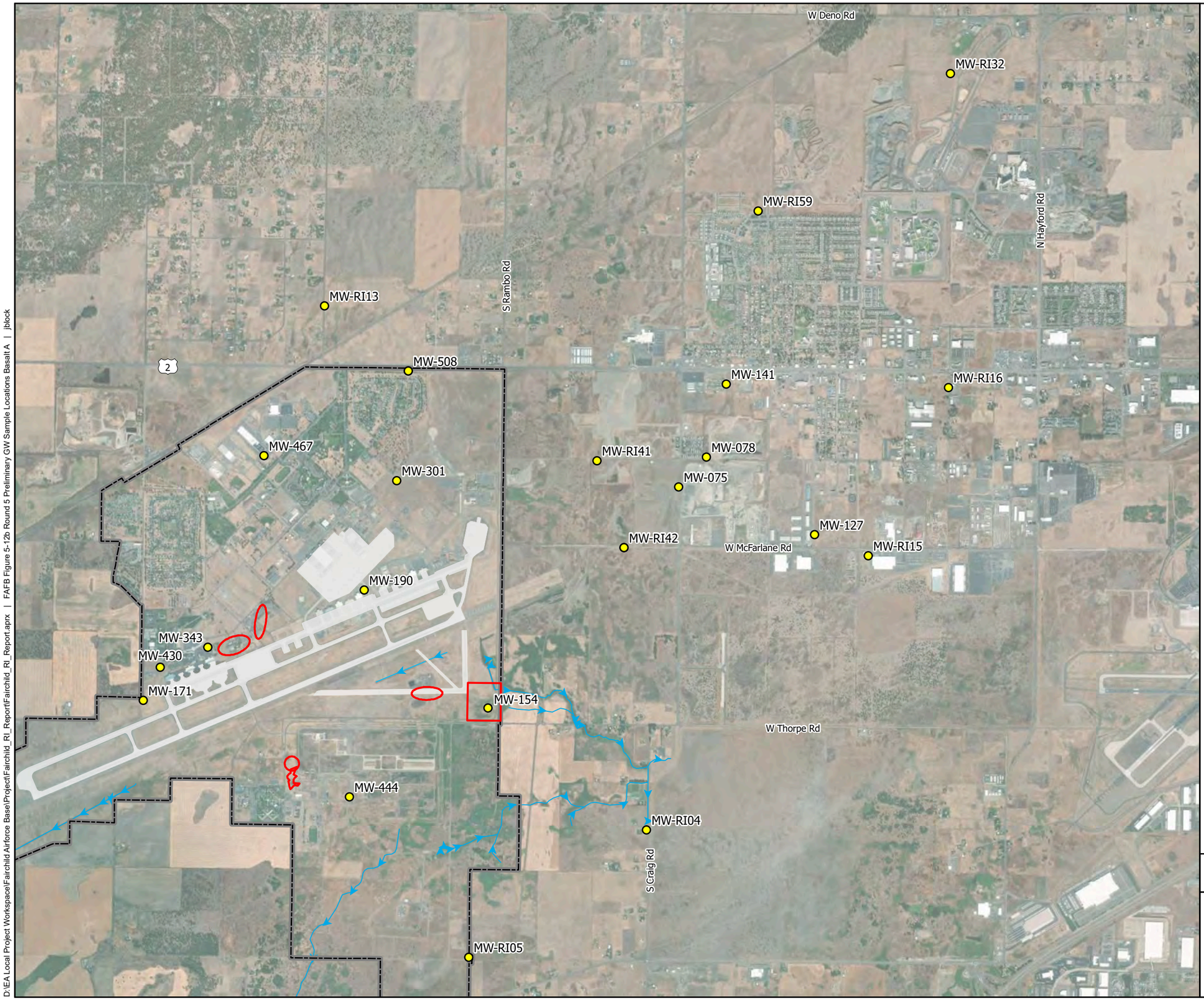
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

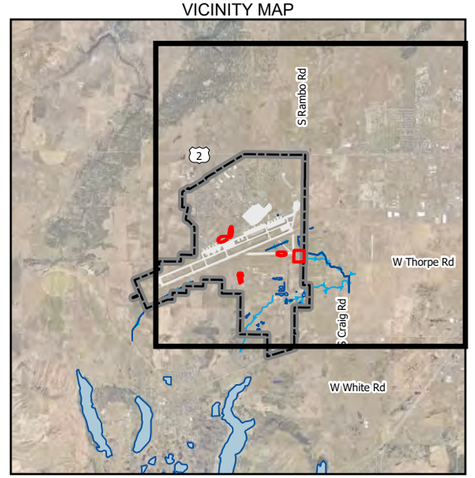
**Figure 5-12a: Round 5 Groundwater Sample Locations (Unconsolidated Deposits Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-12a Round 5 Preliminary GW Sample Locations Unconsolidated | jblock




VICINITY MAP




**Legend**

- Basalt A Aquifer Sample Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

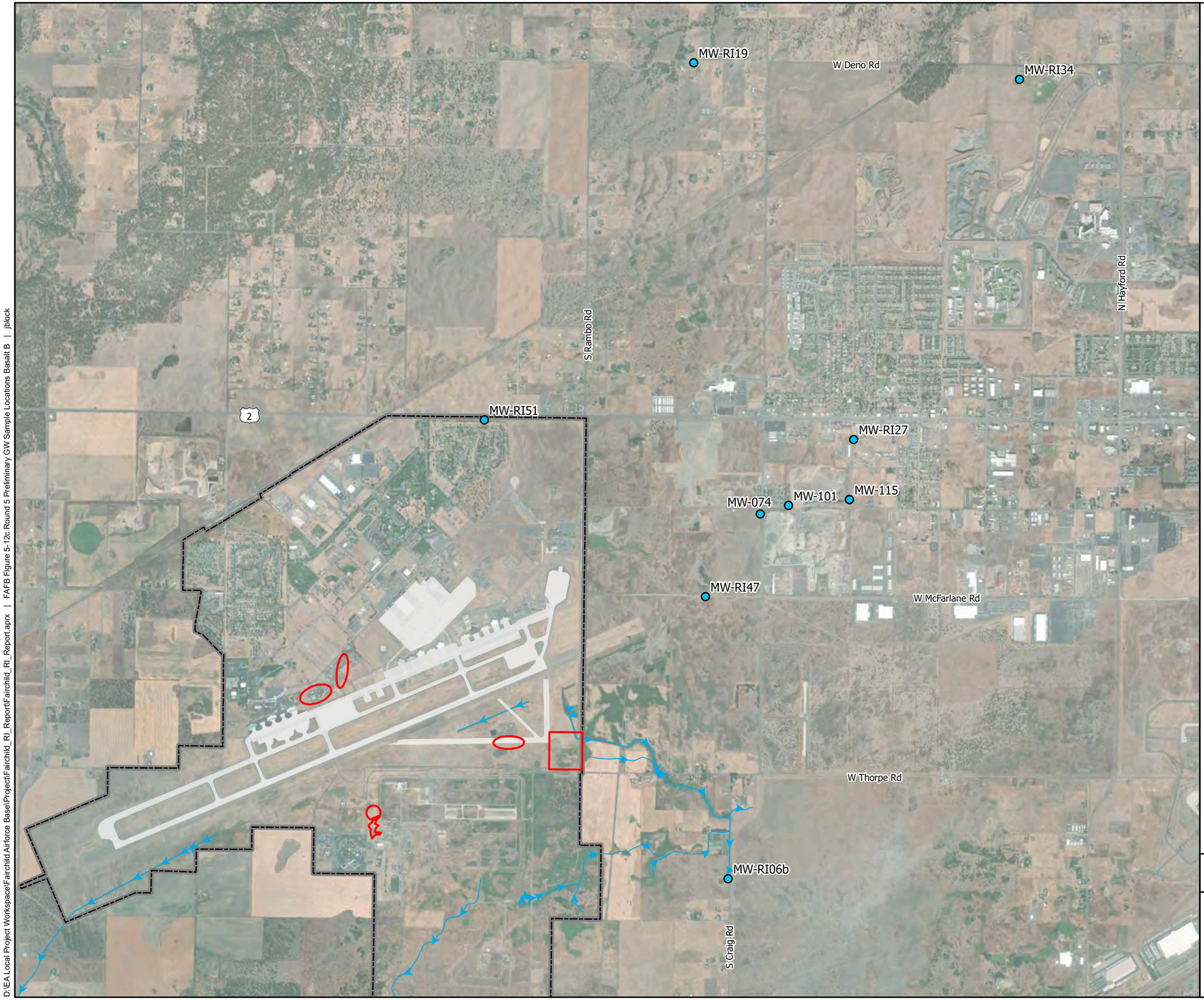
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

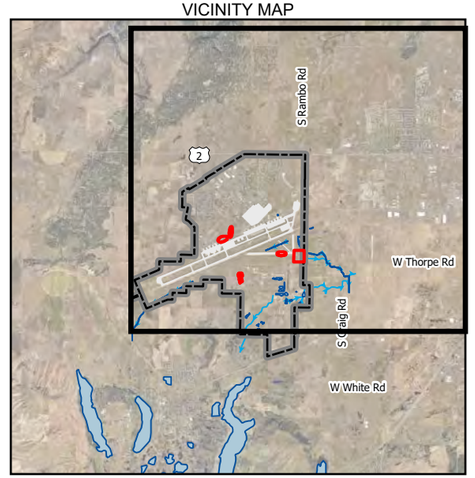
**Figure 5-12b: Round 5 Groundwater Sample Locations (Basalt A Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-12b Round 5 Preliminary GW Sample Locations Basalt A | jblock




VICINITY MAP




**Legend**

- Basalt B Aquifer Sample Locations
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

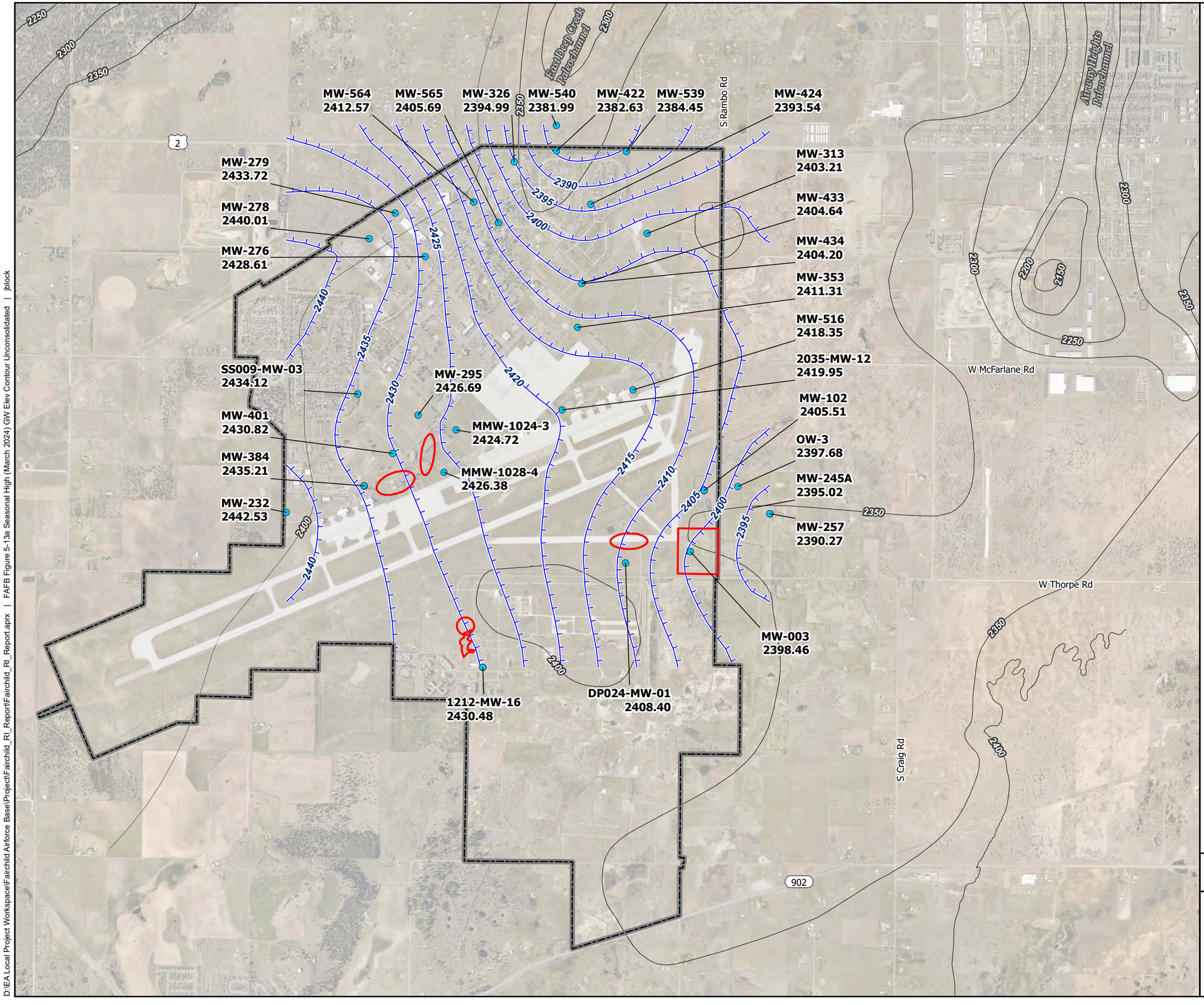
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

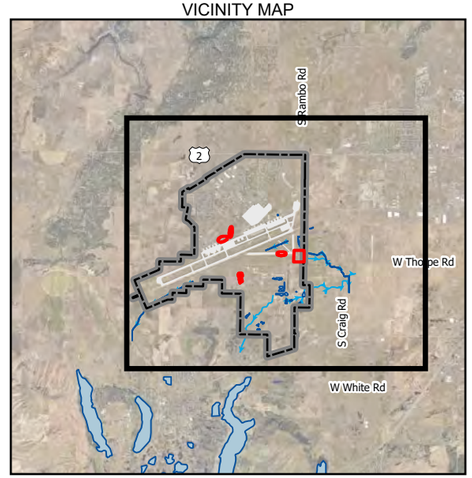
**Figure 5-12c: Round 5 Groundwater Sample Locations (Basalt B Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-12c Round 5 Preliminary GW Sample Locations Basalt B | jblock




VICINITY MAP




**Legend**

- Groundwater Well Location (Unconsolidated Deposits Aquifer)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,000 2,000 4,000

US Feet

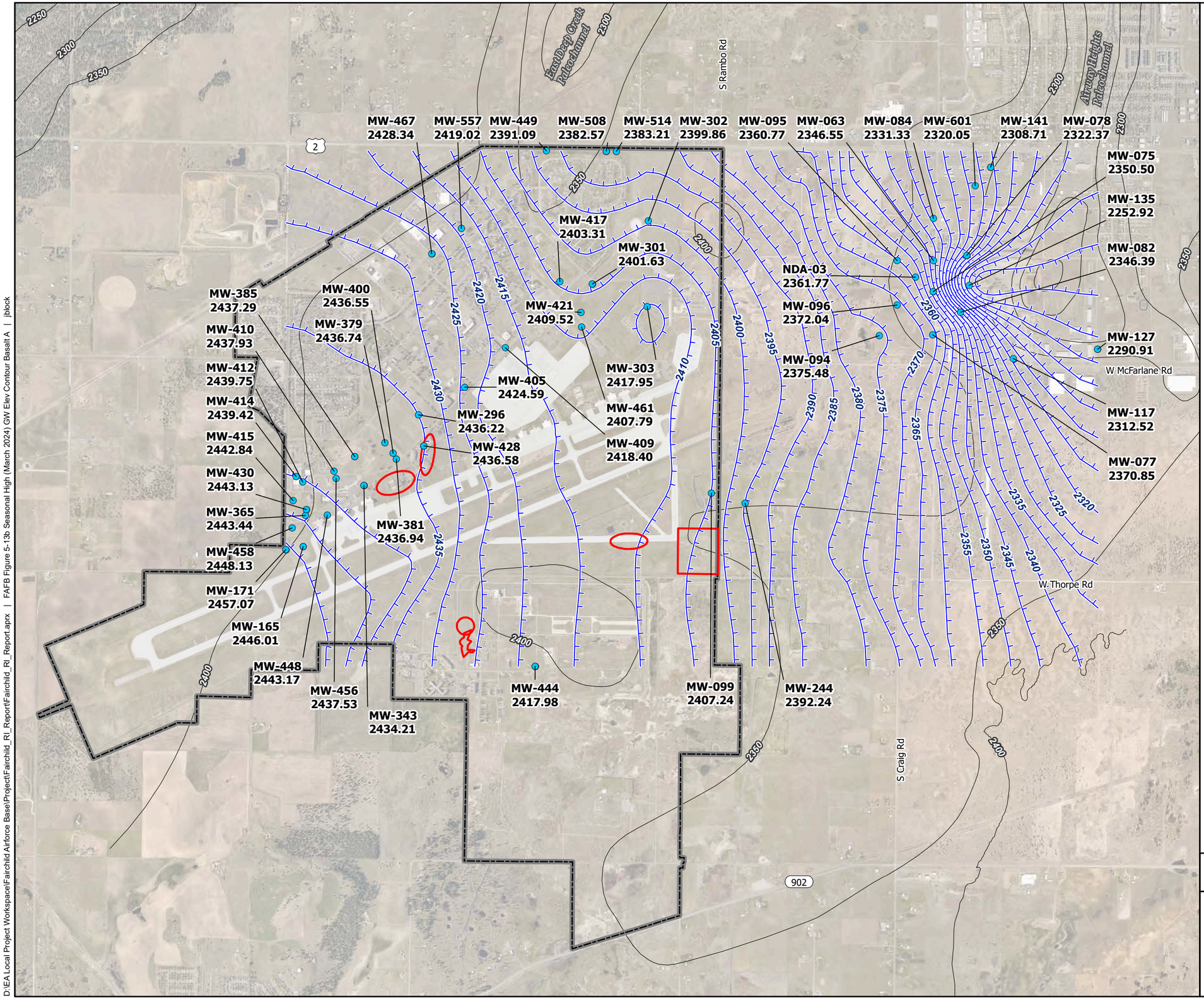
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

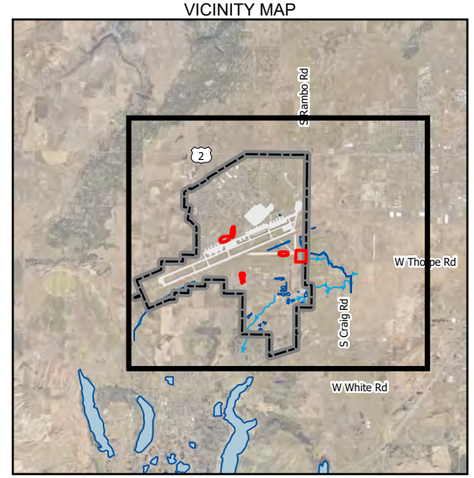
**Figure 5-13a: Seasonal High (March 2024) Groundwater Elevation Contours, Unconsolidated Deposits Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-13a Seasonal High (March 2024) GW Elev Contour Unconsolidated | jblock




VICINITY MAP




**Legend**

- Groundwater Well Location (Basalt A Aquifer)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,000 2,000 4,000

US Feet

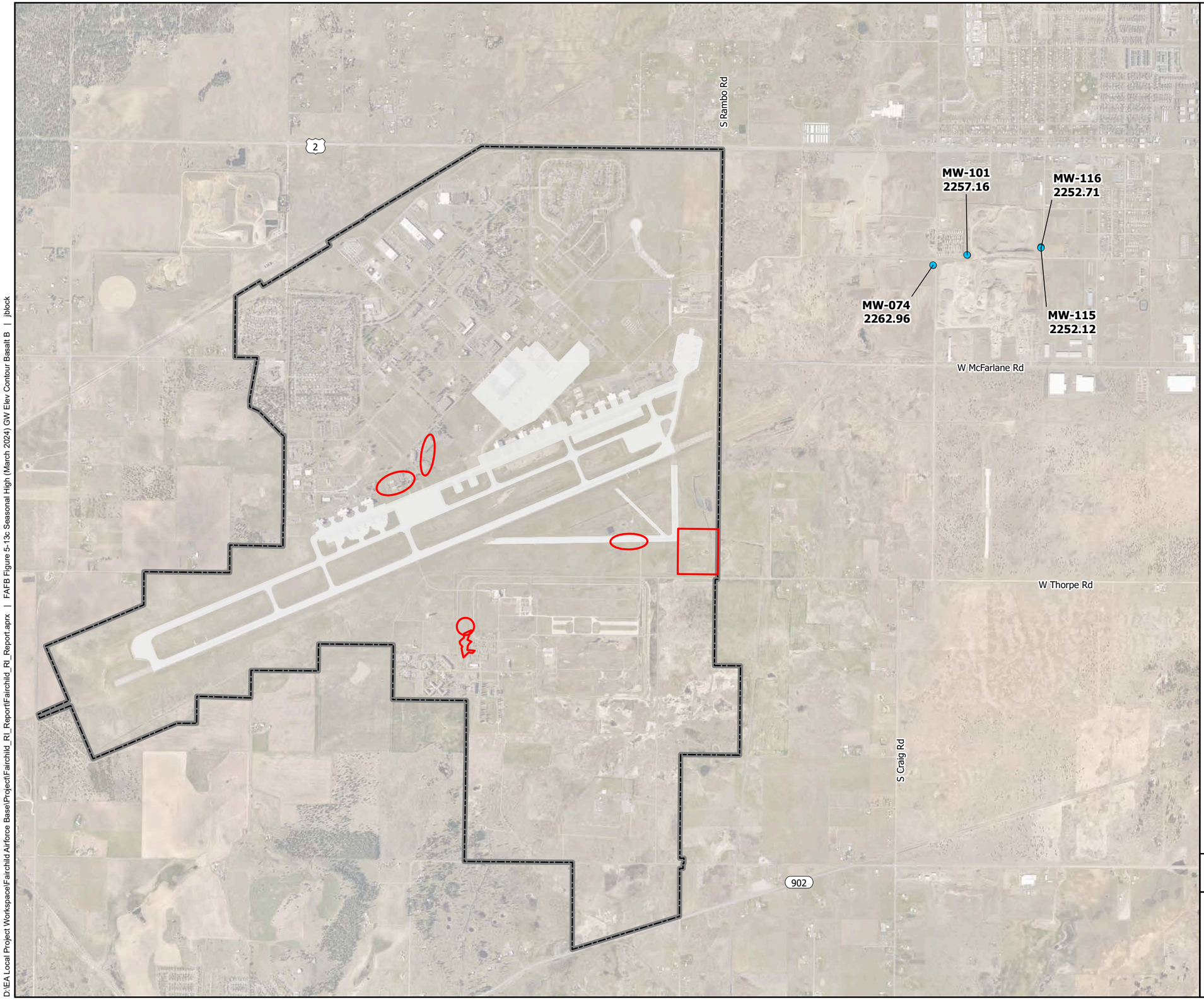
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United States Air Force
Fairchild AFB, Washington

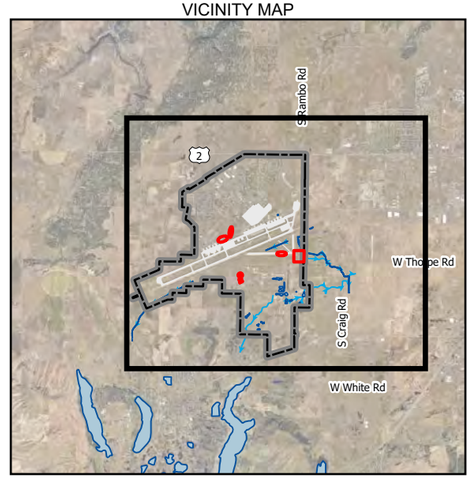
**Figure 5-13b: Seasonal High (March 2024) Groundwater Elevation Contours, Basalt A Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-13b Seasonal High (March 2024) GW Elev Contour Basalt A | jblock




VICINITY MAP




**Legend**

- Groundwater Well Location (Basalt B Aquifer)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary

Additional wells screened in the Basalt B aquifer were installed at a later date. These additional Basalt B wells are included in Figure 7-22b Round 1 - 5 PFOS Results, Basalt B

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,000 2,000 4,000

US Feet

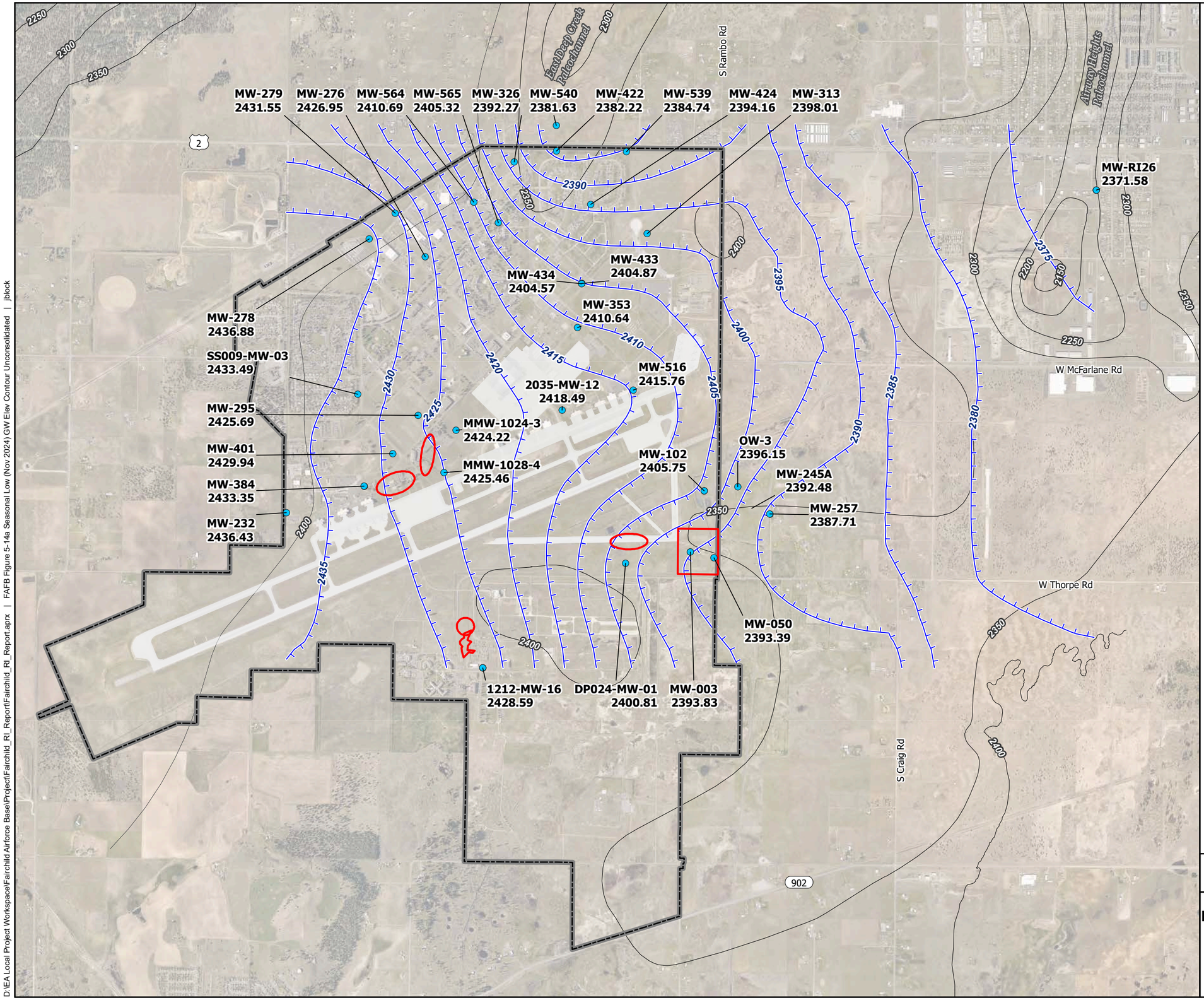
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

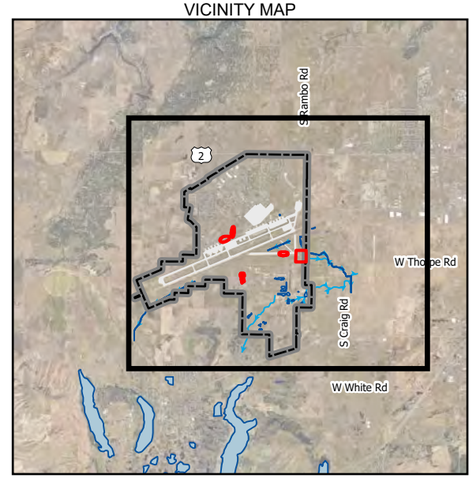
**Figure 5-13c: Seasonal High (March 2024) Groundwater Elevation Contours, Basalt B Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-13c Seasonal High (March 2024) GW Elev Contour Basalt B | jblock




VICINITY MAP




**Legend**

- Groundwater Well Location (Unconsolidated Deposits Aquifer)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (Elevations in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,000 2,000 4,000

US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 5-14a: Seasonal Low (November 2024) Groundwater Elevation Contours, Unconsolidated Deposits Aquifer**
Fairchild AFB
Phase I PFAS Remedial Investigation

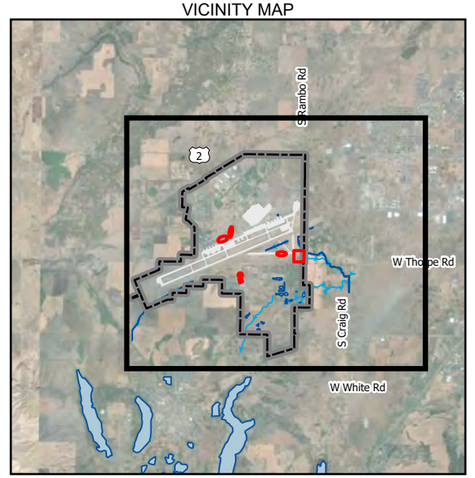
D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-14a Seasonal Low (Nov 2024) GW Elev Contour Unconsolidated | jblock

MW-467 2427.00
MW-557 2417.15
MW-409 2416.36
MW-449 2380.66
MW-508 2383.05
MW-514 2383.41
MW-302 2395.23
MW-095 2360.47
MW-075 2352.60
MW-063 2342.91
MW-135 2251.07
MW-141 2308.19
MW-303 2415.71
MW-385 2435.02
MW-417 2403.44
MW-301 2400.37
MW-082 2345.39
MW-410 2435.60
NDA-03 2361.62
MW-077 2370.23
MW-456 2435.25
MW-379 2434.51
MW-096 2371.97
MW-127 2288.81
MW-414 2436.80
MW-421 2409.06
MW-461 2407.02
MW-412 2437.09
MW-405 2423.03
MW-296 2433.99
MW-117 2311.03
MW-415 2438.96
MW-428 2434.73
MW-430 2439.22
MW-099 2404.04
MW-400 2434.32
MW-365 2439.24
MW-381 2434.73
MW-458 2440.22
MW-171 2452.10
MW-165 2440.85
MW-448 2440.44
MW-343 2432.63
MW-444 2413.77
MW-154 2397.80
MW-244 2388.73

S Rambo Rd
East Deep Creek Paleochannel
Airway Heights Paleochannel
W McFarlane Rd
W Thorpe Rd
S Craig Rd
2

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-14b Seasonal Low (Nov 2024) GW Elev Contour Basalt A | jblock

VICINITY MAP




**Legend**

- Groundwater Well Location (Basalt A Aquifer)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (Elevations in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

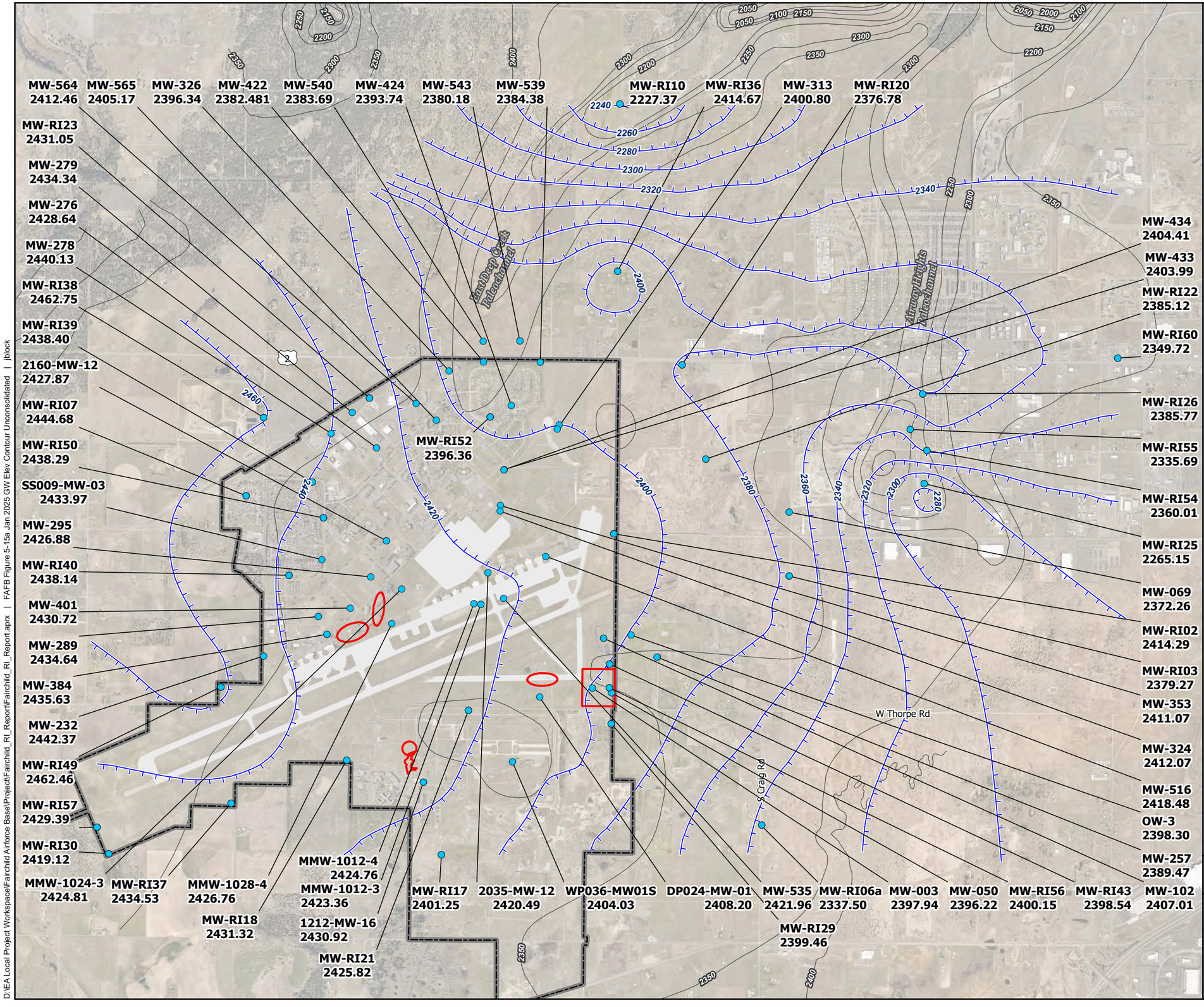
N

0 1,000 2,000 4,000
US Feet

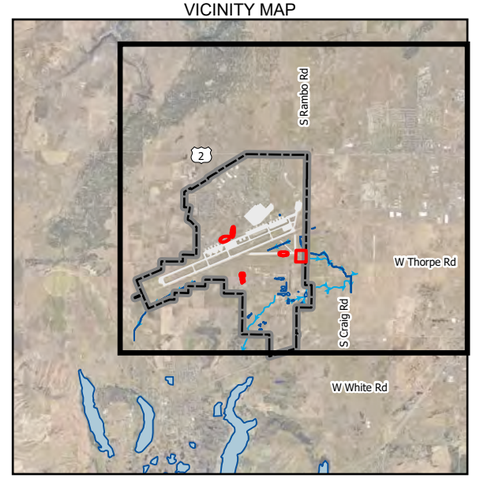
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

**Figure 5-14b: Seasonal Low (November 2024) Groundwater Elevation Contours, Basalt A Aquifer**
Fairchild AFB
Phase I PFAS Remedial Investigation




VICINITY MAP




**Legend**

- Groundwater Well Location (Unconsolidated Deposits Aquifer)
- Area of Interest (AOI)
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (January 2025, Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

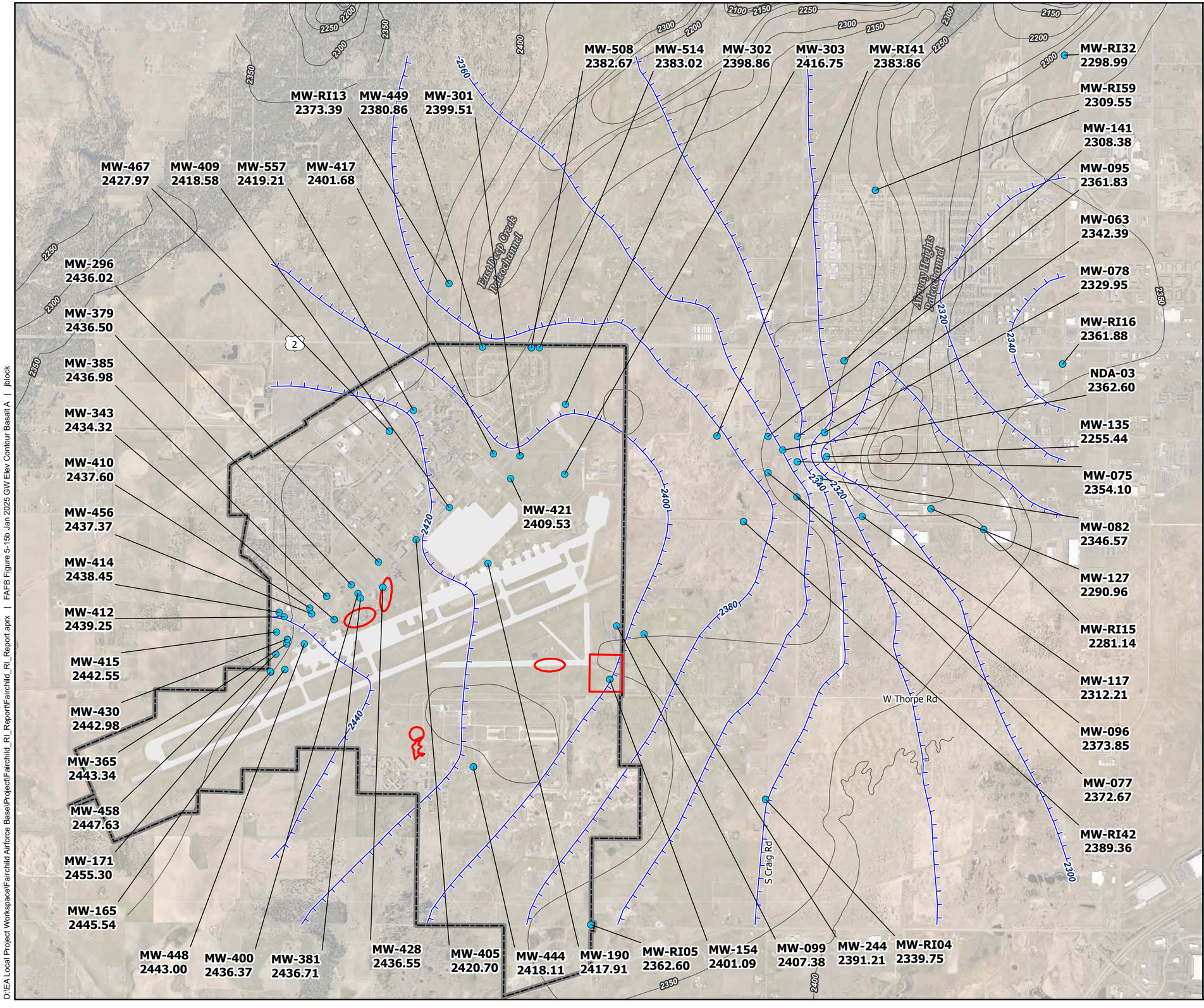
US Feet

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Fairchild AFB, Washington

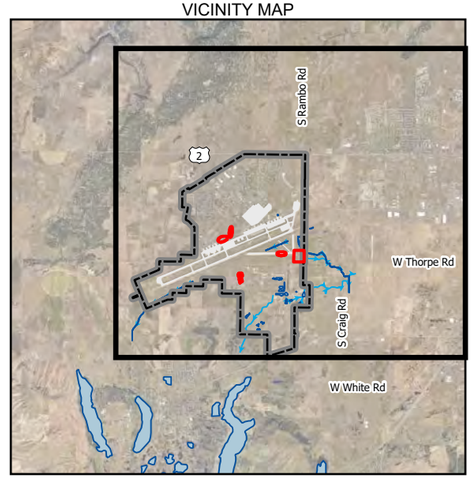
**Figure 5-15a: January 2025 Groundwater Elevation Contours, Unconsolidated Deposits Aquifer**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-15a Jan 2025 GW Elev Contour Unconsolidated | jblock




D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-15b Jan 2025 GW Elev Contour Basalt A | jblock

VICINITY MAP




**Legend**

- Groundwater Well Location (Unconsolidated Deposits Aquifer)
- Area of Interest (AOI)
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (January 2025, Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

**Figure 5-15b: January 2025 Groundwater Elevation Contours, Basalt A Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

MW-RI19
2113.85

MW-RI34
2061.23

MW-RI51
2357.49

MW-RI27
2189.90

MW-115
2254.68

MW-101
2257.93

MW-074
2262.97

MW-RI47
2342.69

MW-RI06b
2342.92

East Deep Creek Paleochannel

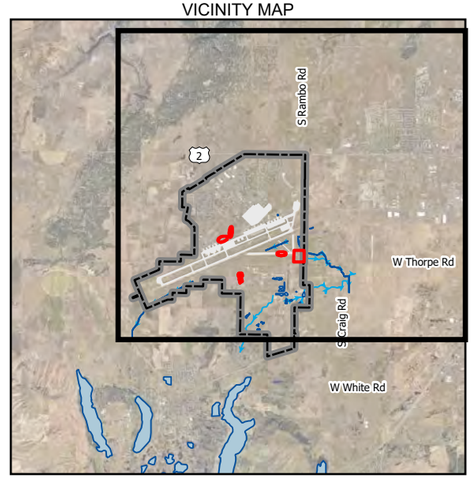
Airway Heights Paleochannel

W Thorpe Rd

S Craig Rd

2

VICINITY MAP




**Legend**

- Groundwater Well Location (Unconsolidated Deposits Aquifer)
- Area of Interest (AOI)
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (January 2025, Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

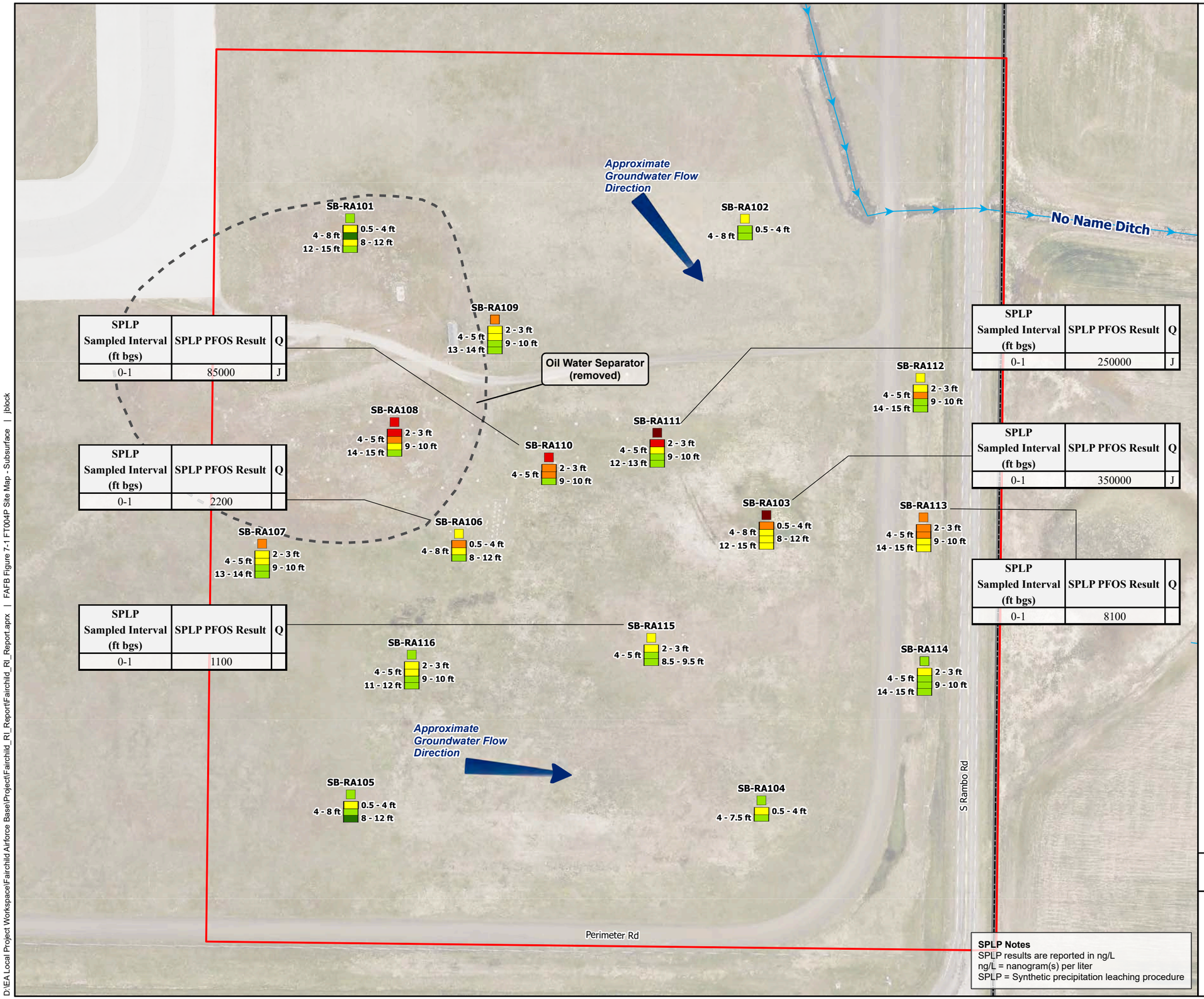
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

**Figure 5-15c: January 2025 Groundwater Elevation Contours, Basalt B Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 5-15c Jan 2025 GW Elev Contour Basalt B | jblock




| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 85000 | J |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 2200 | |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 1100 | |

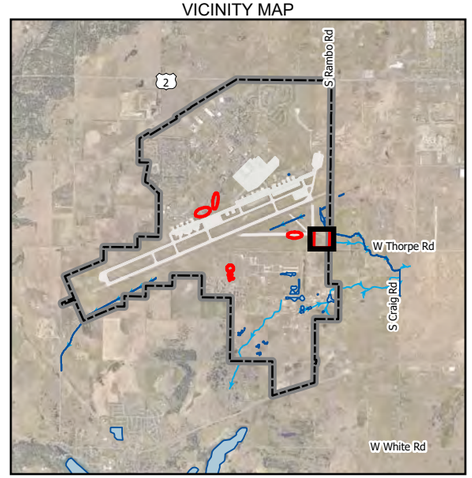
| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 250000 | J |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 350000 | J |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 8100 | |

**SPLP Notes**
SPLP results are reported in ng/L
ng/L = nanogram(s) per liter
SPLP = Synthetic precipitation leaching procedure

VICINITY MAP




## Legend

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

- Former Fire Training Area
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 60 120 240
US Feet

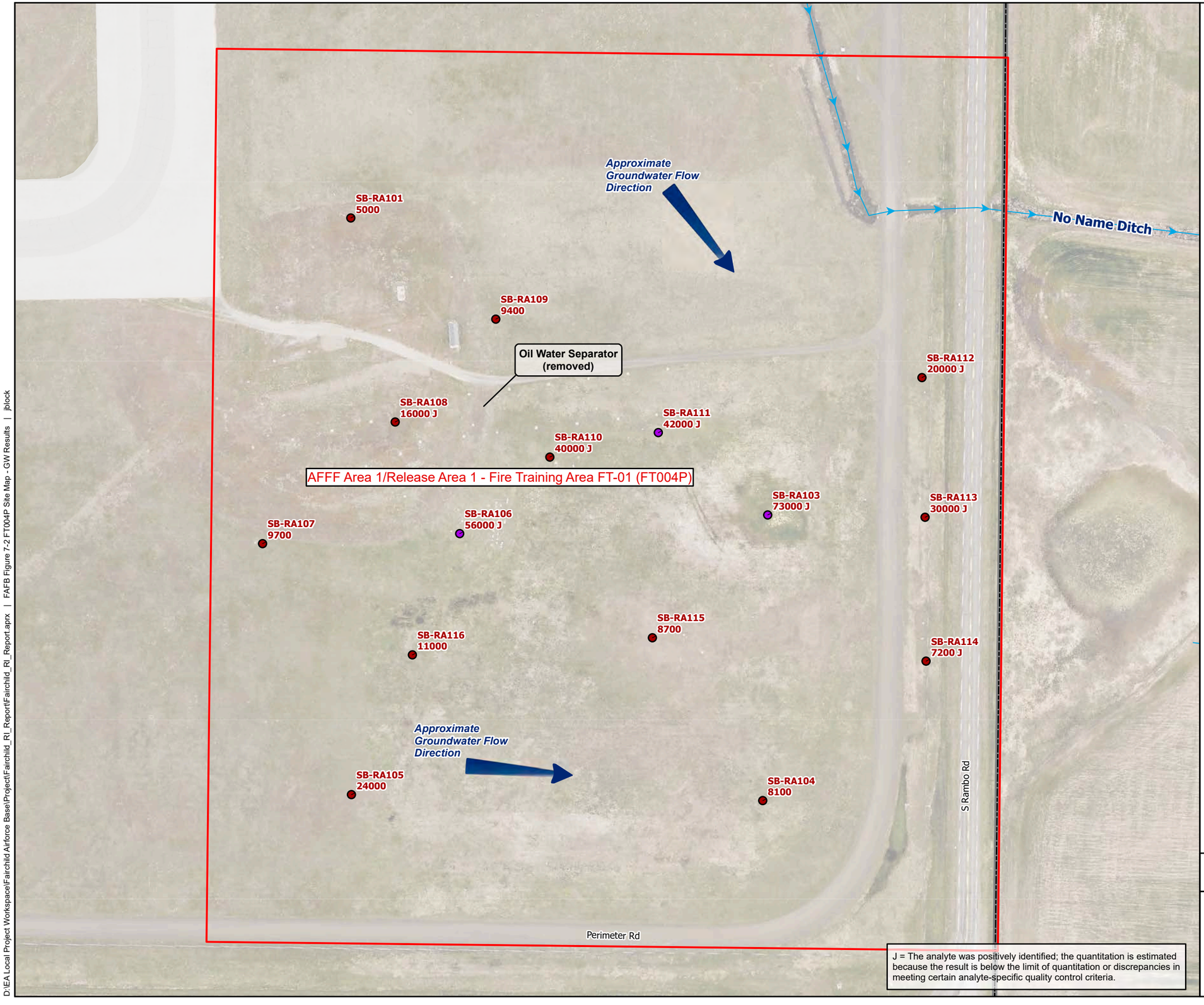
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

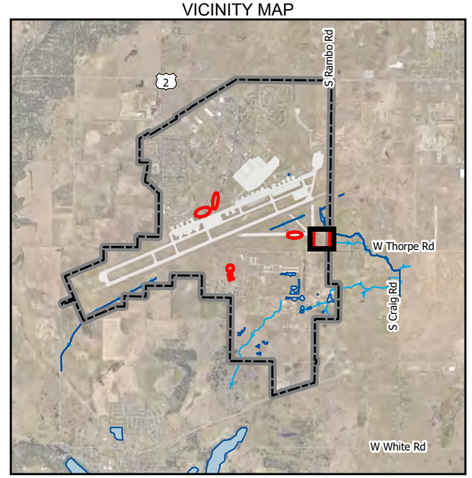
**Figure 7-1: FT004P Surface and Subsurface Soil Sampling Results**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-1 FT004P Site Map - Subsurface | jblock




VICINITY MAP




**Legend**

FT004P Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 60 120 240

US Feet

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

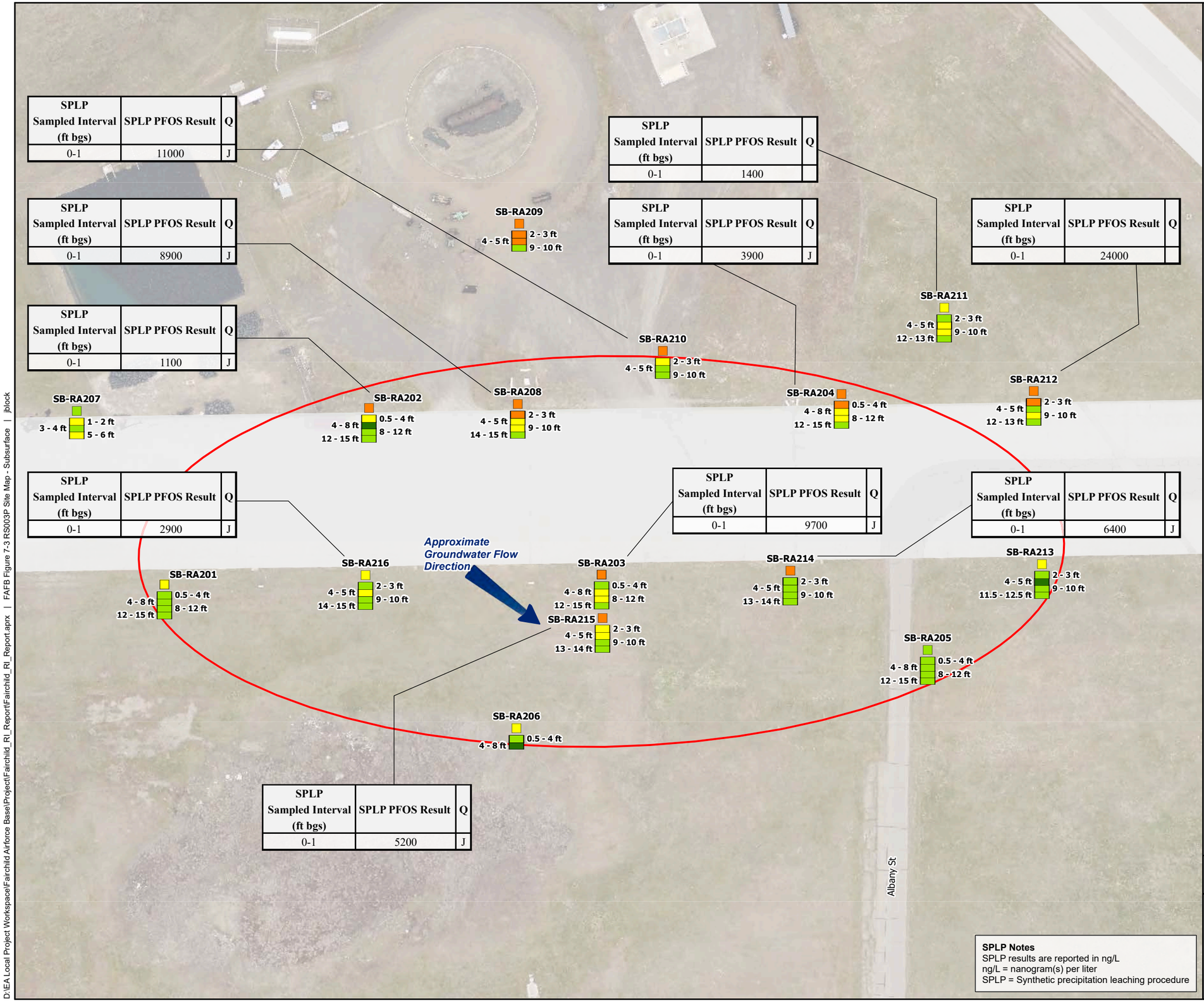
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-2: FT004P Groundwater Sampling Results for PFOS**

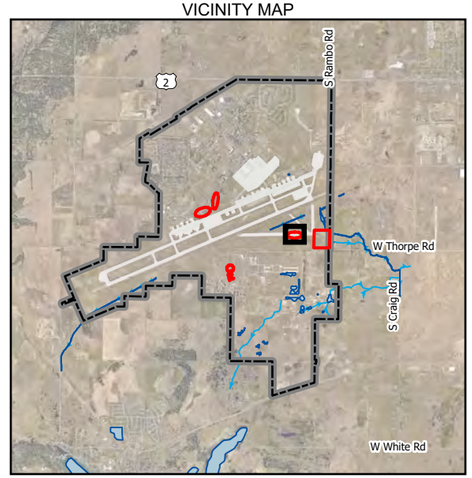
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-2 FT004P Site Map - GW Results | jblock




**SPLP Notes**
SPLP results are reported in ng/L
ng/L = nanogram(s) per liter
SPLP = Synthetic precipitation leaching procedure

VICINITY MAP




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 45 90 180

US Feet

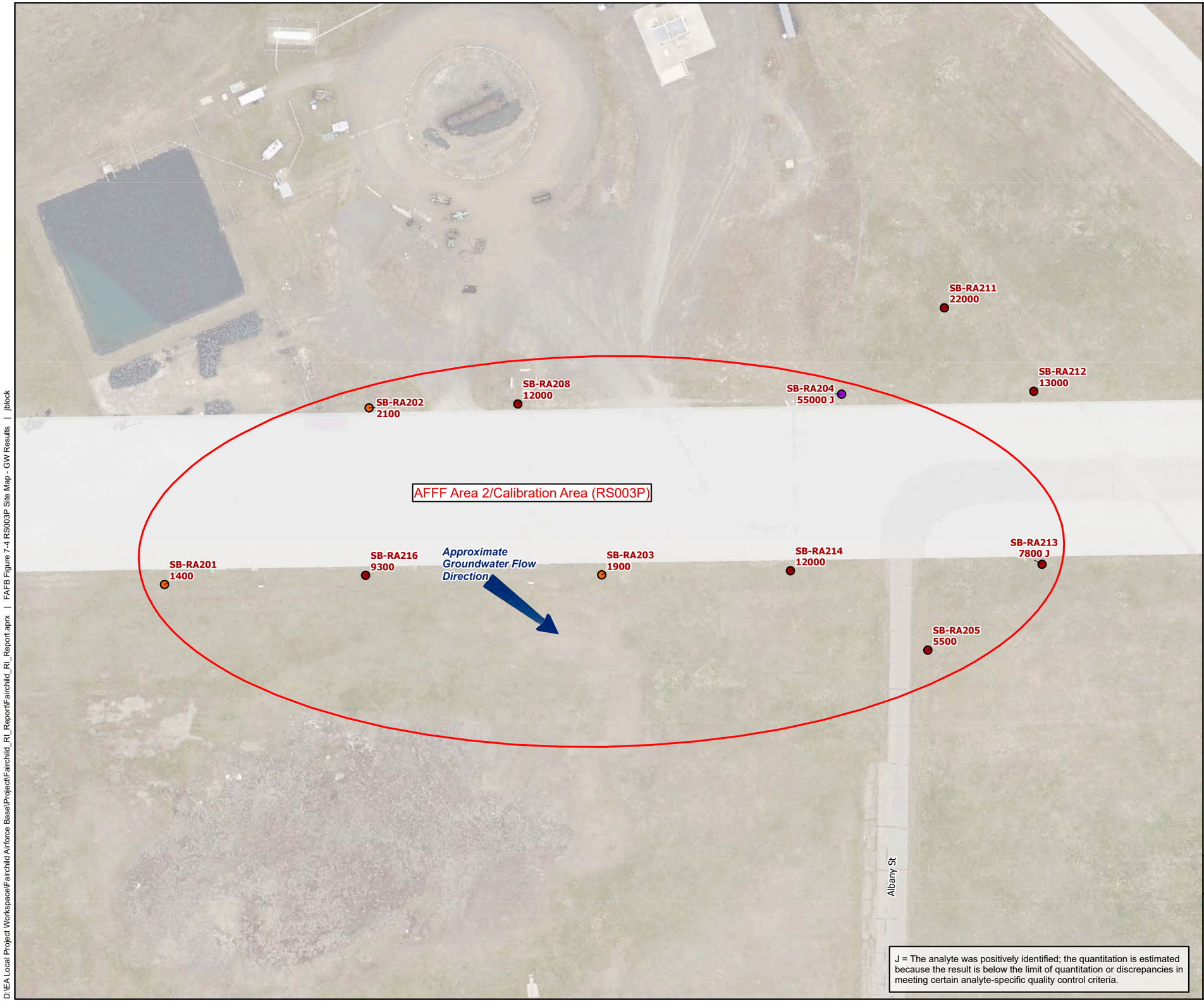
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

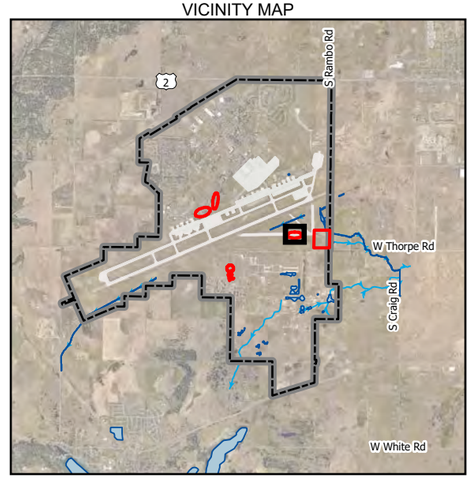
**Figure 7-3: RS003P Surface and Subsurface Soil Sampling Results**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-3 RS003P Site Map - Subsurface | jblock




VICINITY MAP




**Legend**

RS003P Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

N

0 45 90 180

US Feet

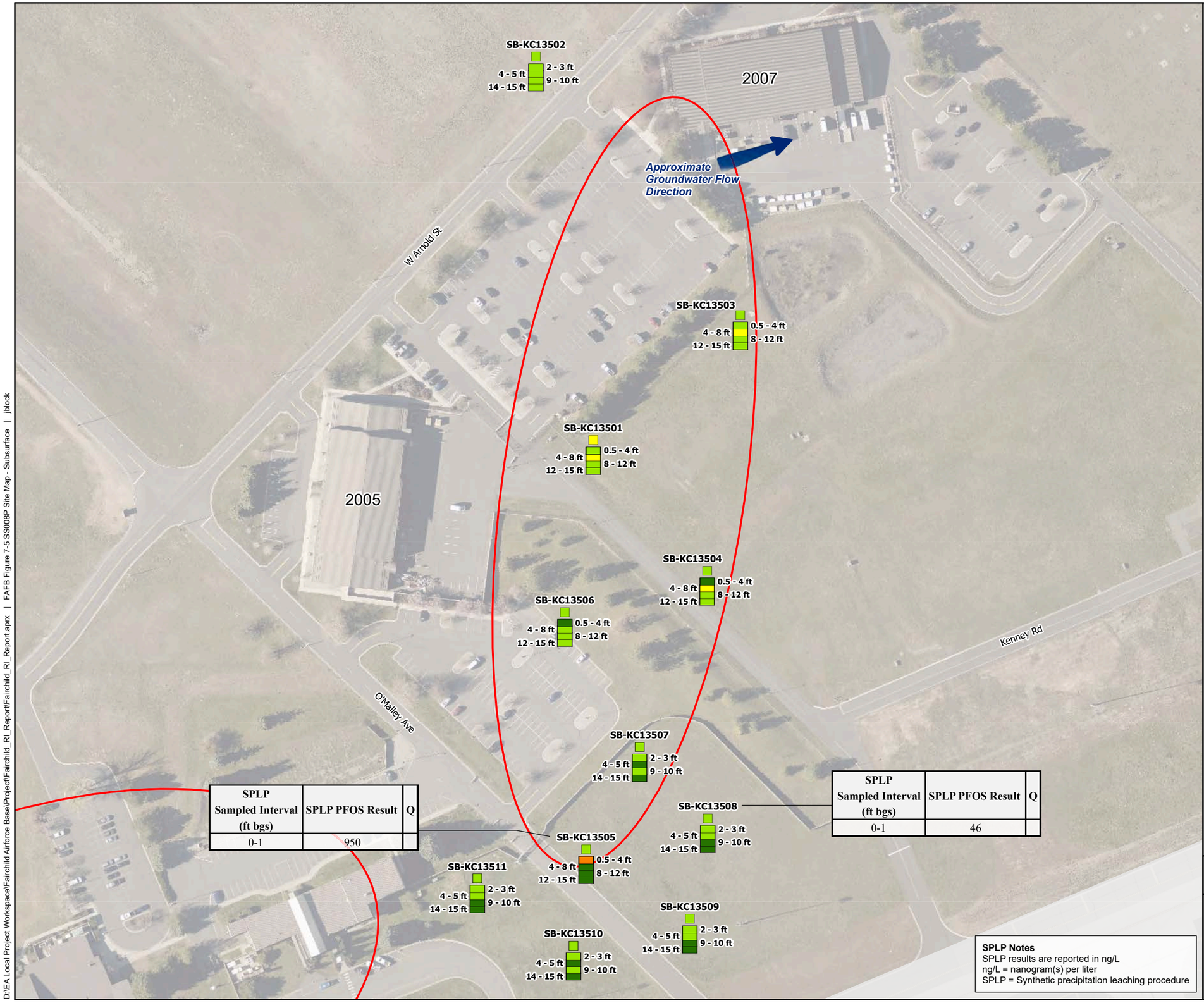
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-4: RS003P Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-4 RS003P Site Map - GW Results | jblock

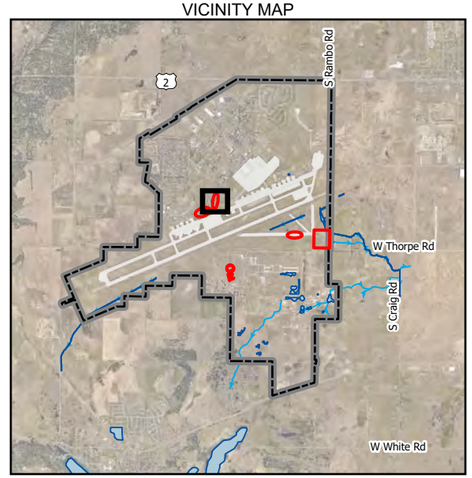



| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 950 | |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 46 | |

**SPLP Notes**
SPLP results are reported in ng/L
ng/L = nanogram(s) per liter
SPLP = Synthetic precipitation leaching procedure

VICINITY MAP




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 62.5 125 250

US Feet

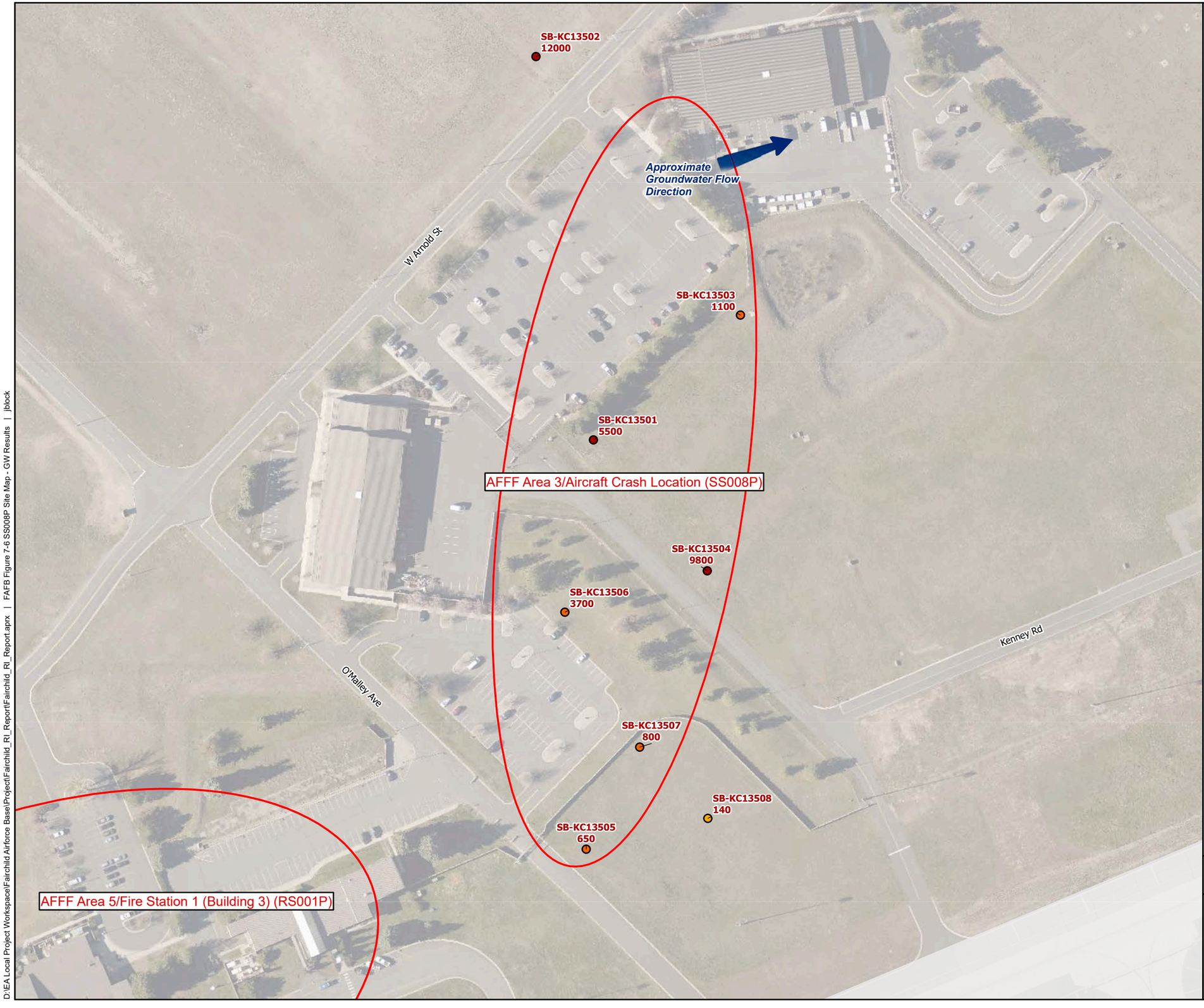
**For Official Use Only** Date: 6/30/2025

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Fairchild AFB, Washington

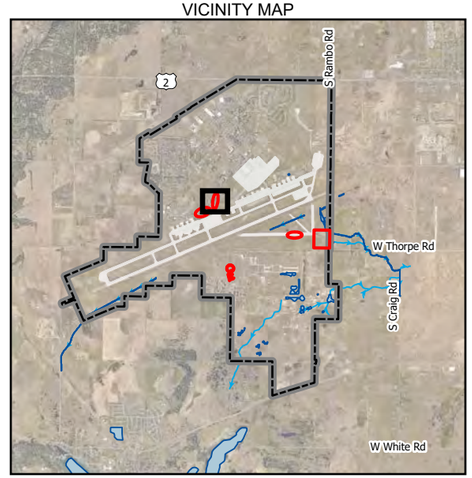
**Figure 7-5: SS008P Surface and Subsurface Soil Sampling Results**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-5 SS008P Site Map - Subsurface | jblock




VICINITY MAP




**Legend**

SS008P Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 62.5 125 250

US Feet

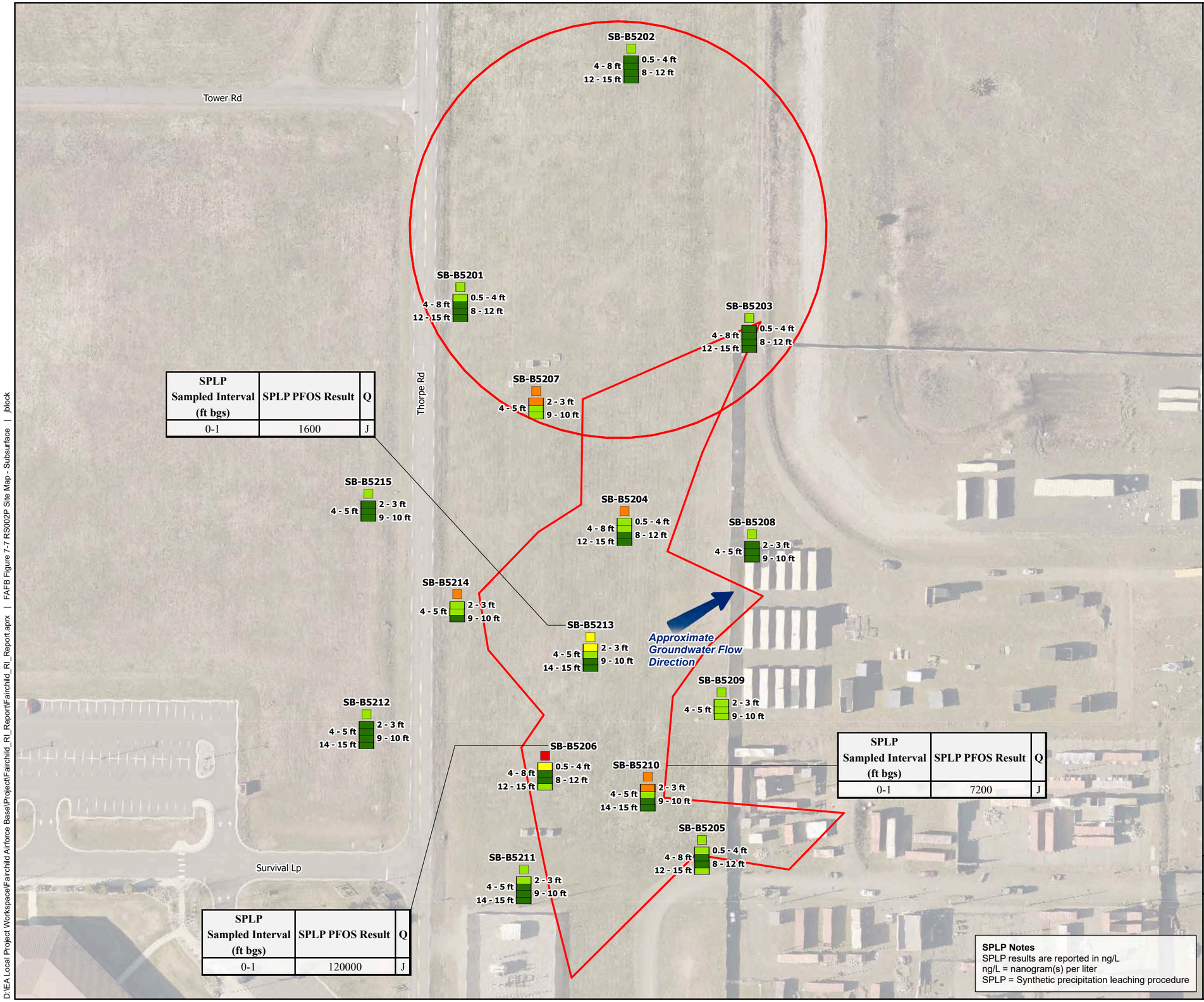
**For Official Use Only** Date: 6/30/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-6: SS008P Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-6 SS008P Site Map - GW Results | jblock



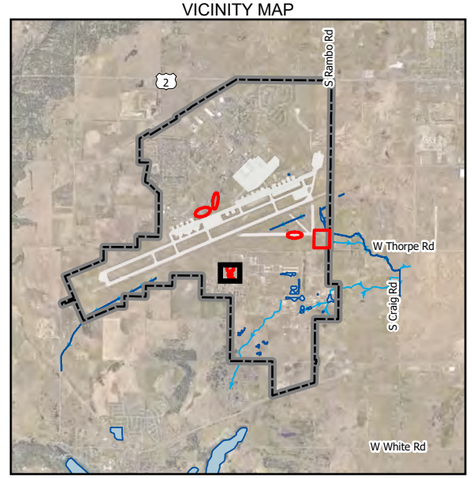

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 1600 | J |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 7200 | J |

| SPLP Sampled Interval (ft bgs) | SPLP PFOS Result | Q |
|---|---|---|
| 0-1 | 120000 | J |

**SPLP Notes**
SPLP results are reported in ng/L
ng/L = nanogram(s) per liter
SPLP = Synthetic precipitation leaching procedure

VICINITY MAP




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 50 100 200
US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-7: RS002P Surface and Subsurface Soil Sampling Results**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-7 RS002P Site Map - Subsurface | jblock

Tower Rd

Thorpe Rd

Survival Lp

AFFF Area 4/B-52 Crash Location 1994 (RS002P)

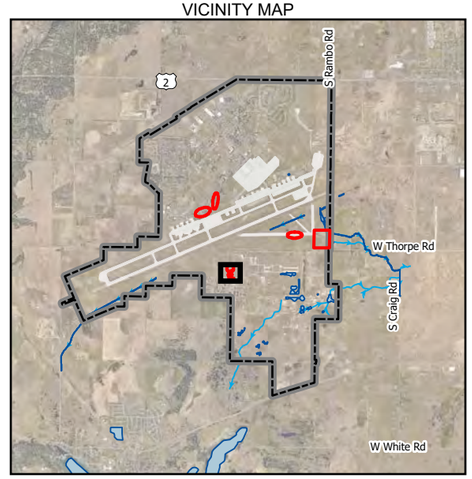
Approximate Groundwater Flow Direction

SB-B5206
9900

SB-B5210
2900

SB-B5205
1300

VICINITY MAP




**Legend**

RS002P Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 50 100 200

US Feet

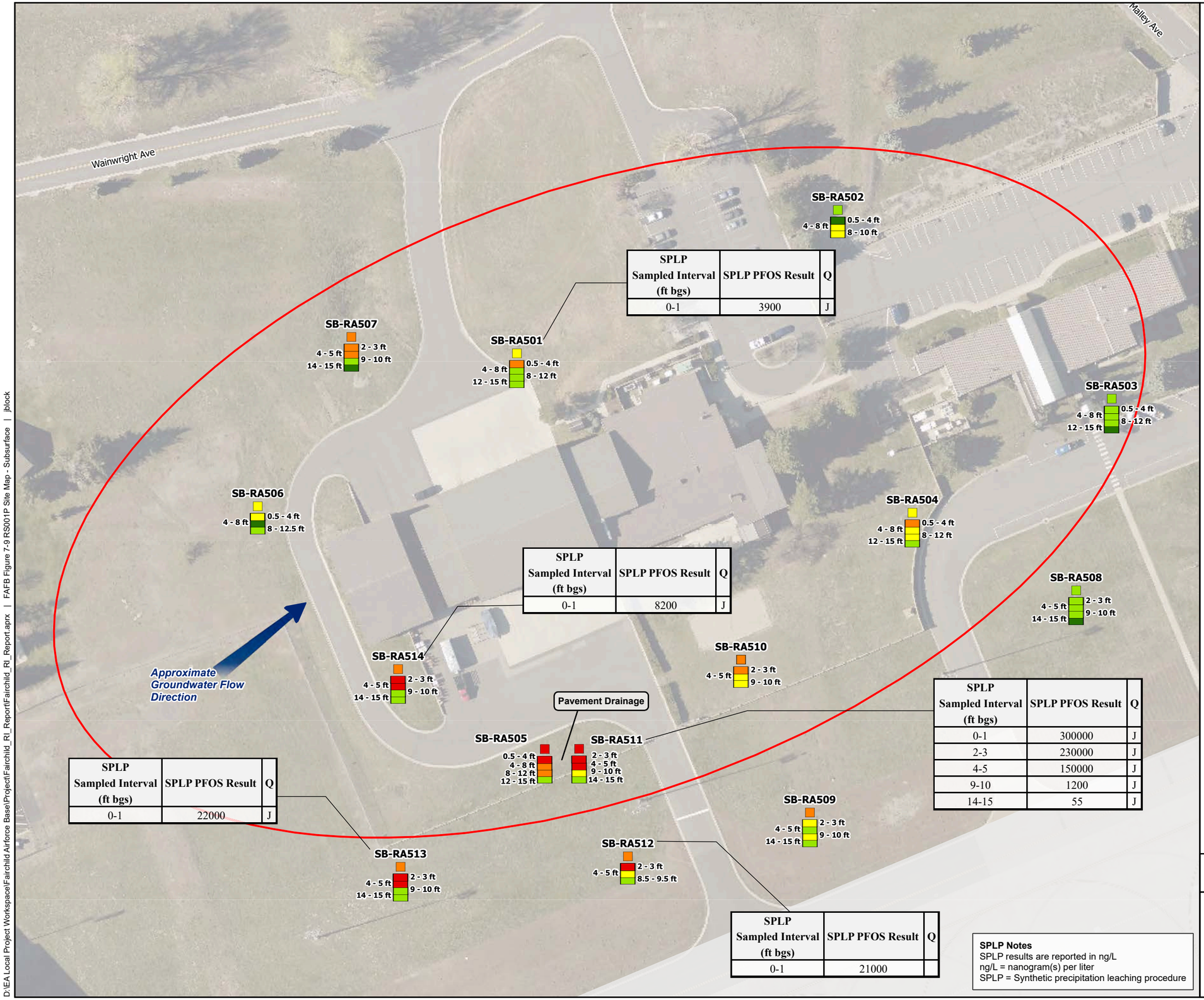
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

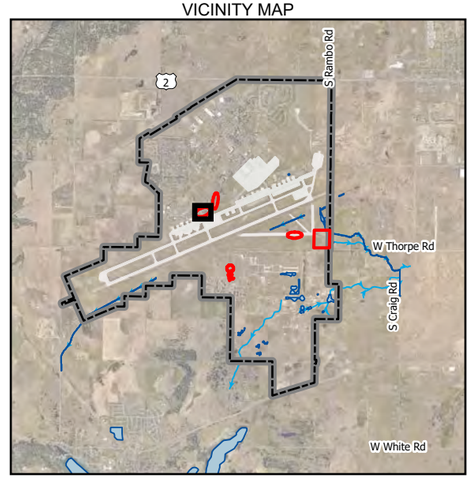
**Figure 7-8: RS002P Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-8 RS002P Site Map - GW Results | jblock




VICINITY MAP




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 40 80 160

US Feet

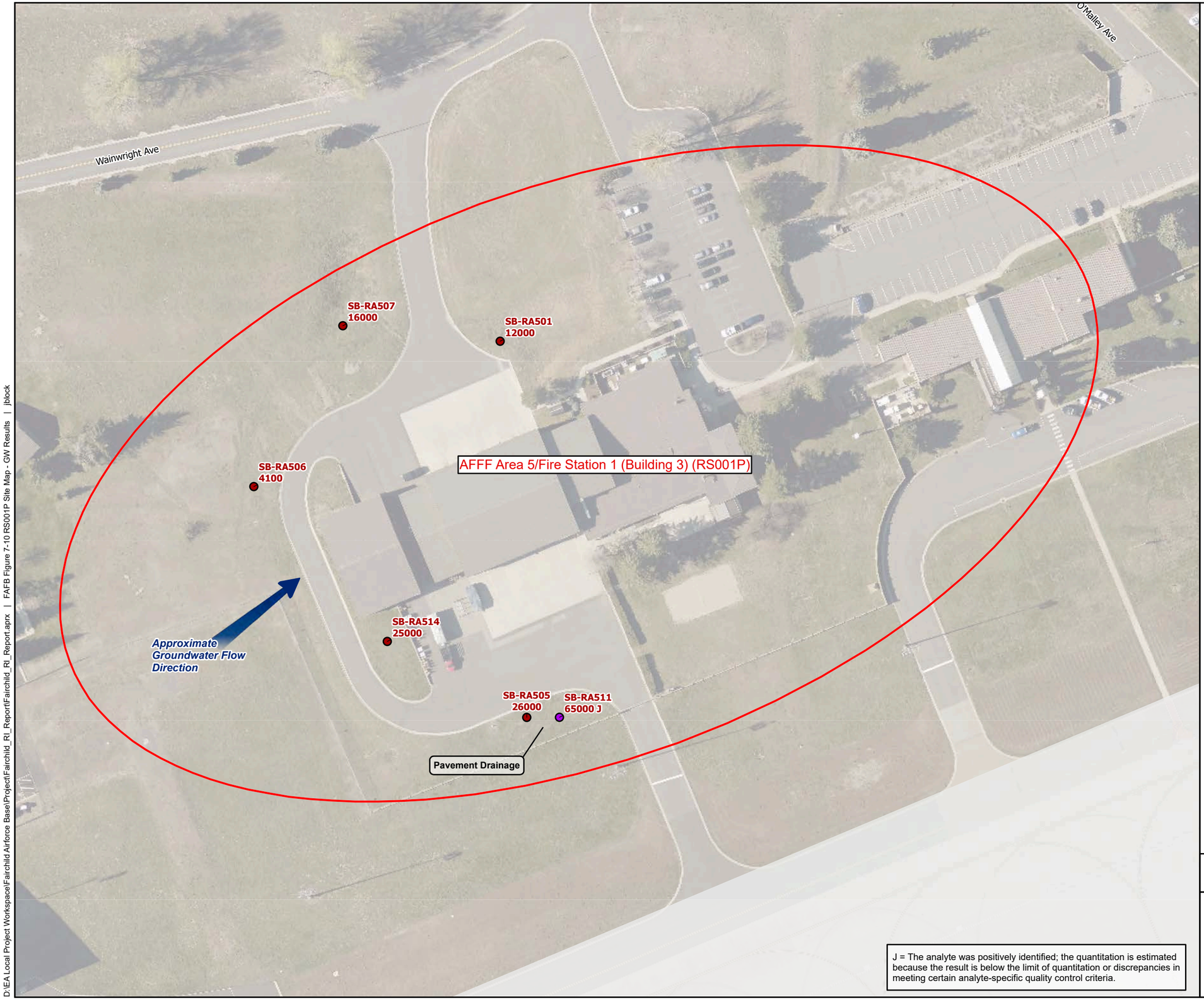
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-9: RS001P Surface and Subsurface Soil Sampling Results**

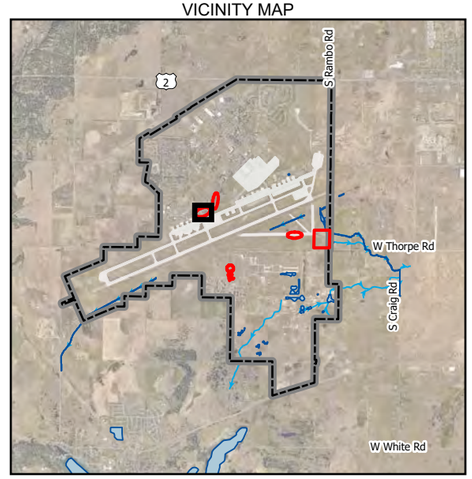
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-9 RS001P Site Map - Subsurface | jblock




J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

VICINITY MAP




**Legend**

RS001P Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 40 80 160

US Feet

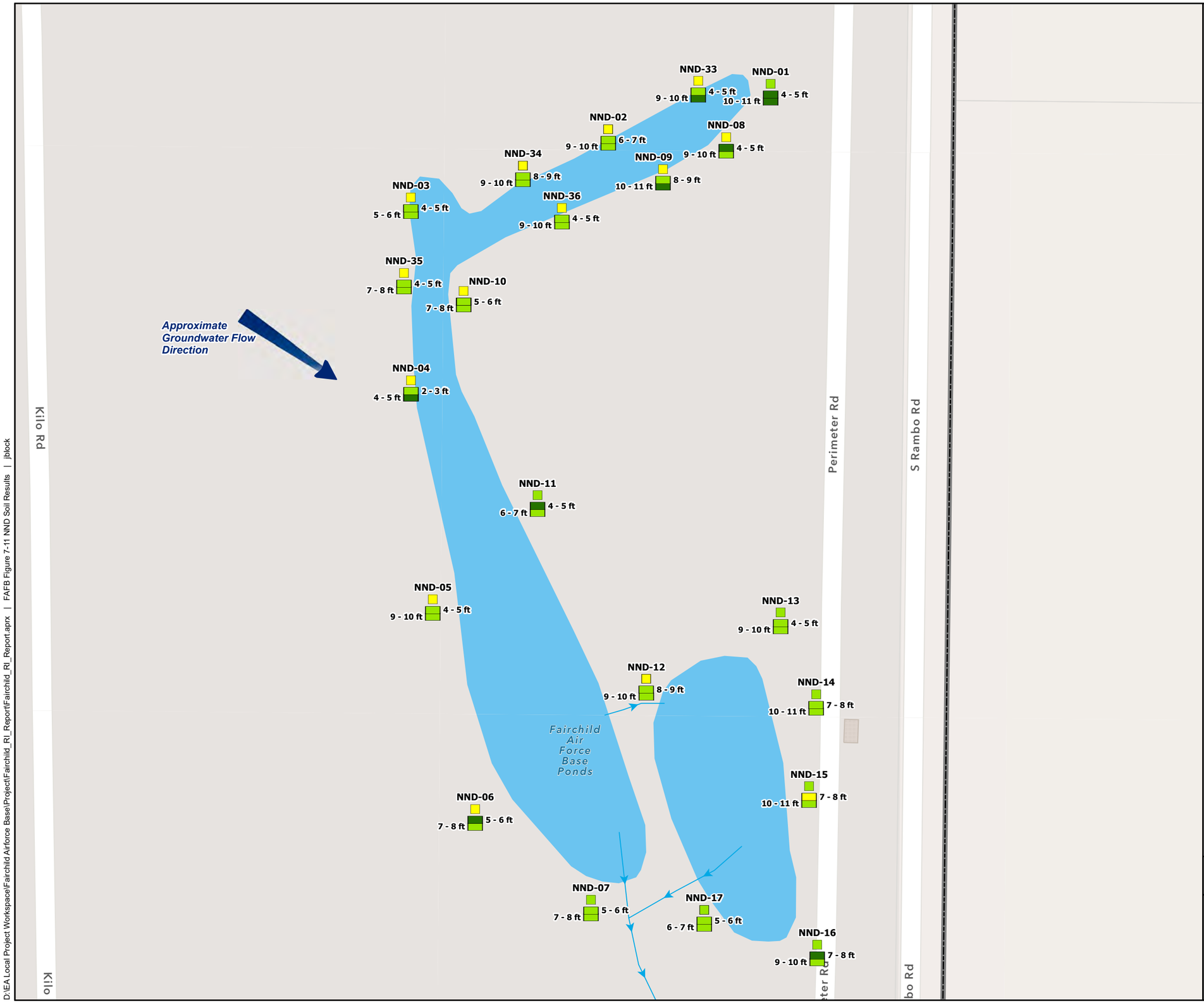
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

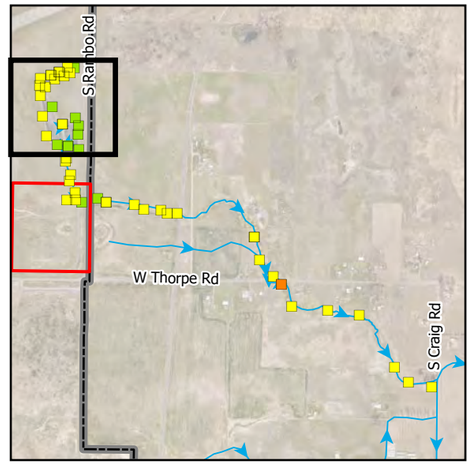
**Figure 7-10: RS001P Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-10 RS001P Site Map - GW Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

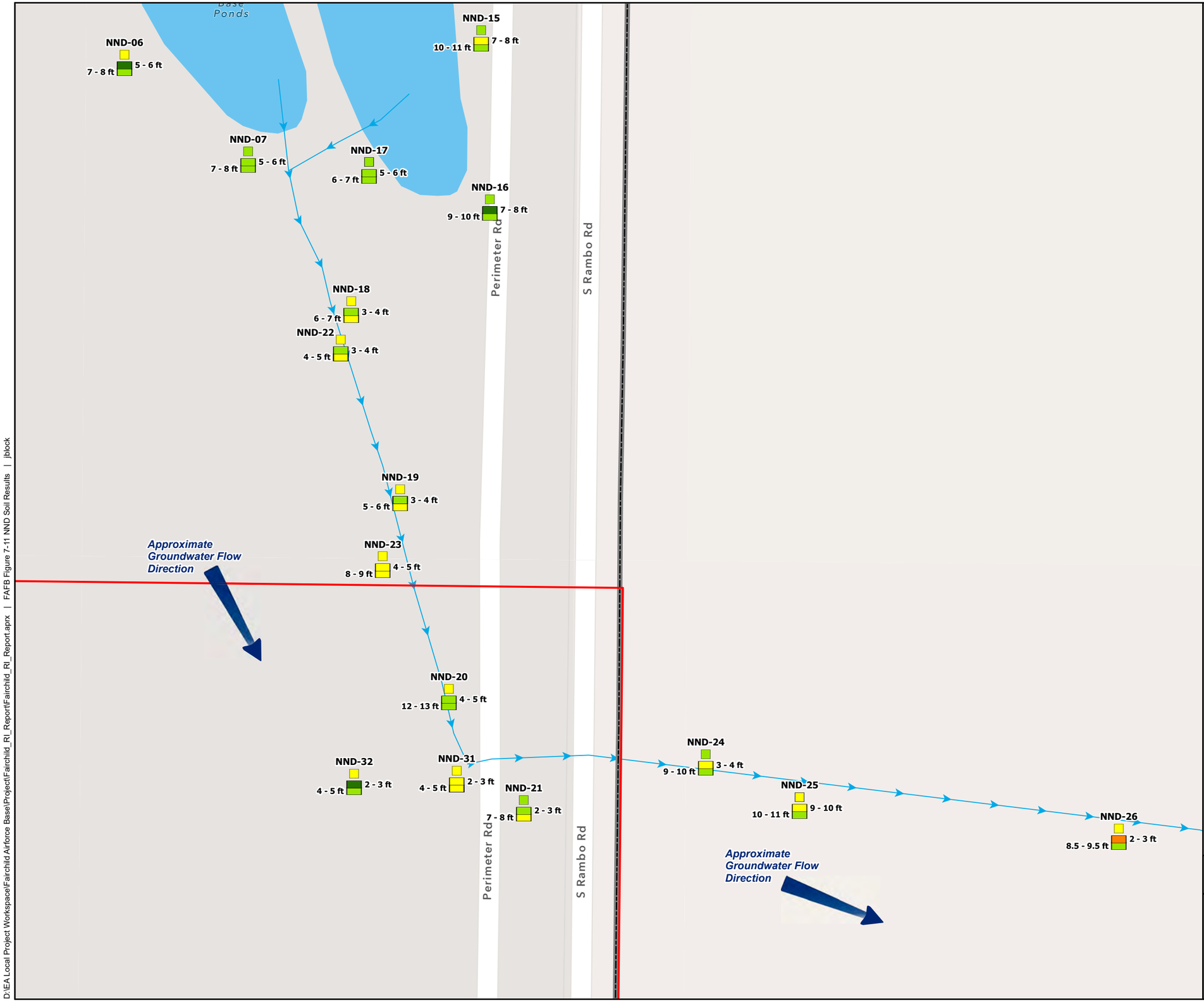
US Feet

**For Official Use Only** Date: 6/3/2025

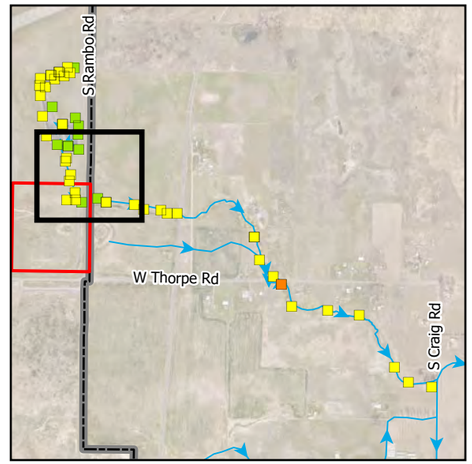
United States Air Force
Fairchild AFB, Washington

**Figure 7-11a: No Name Ditch Site Map - Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-11 NND Soil Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

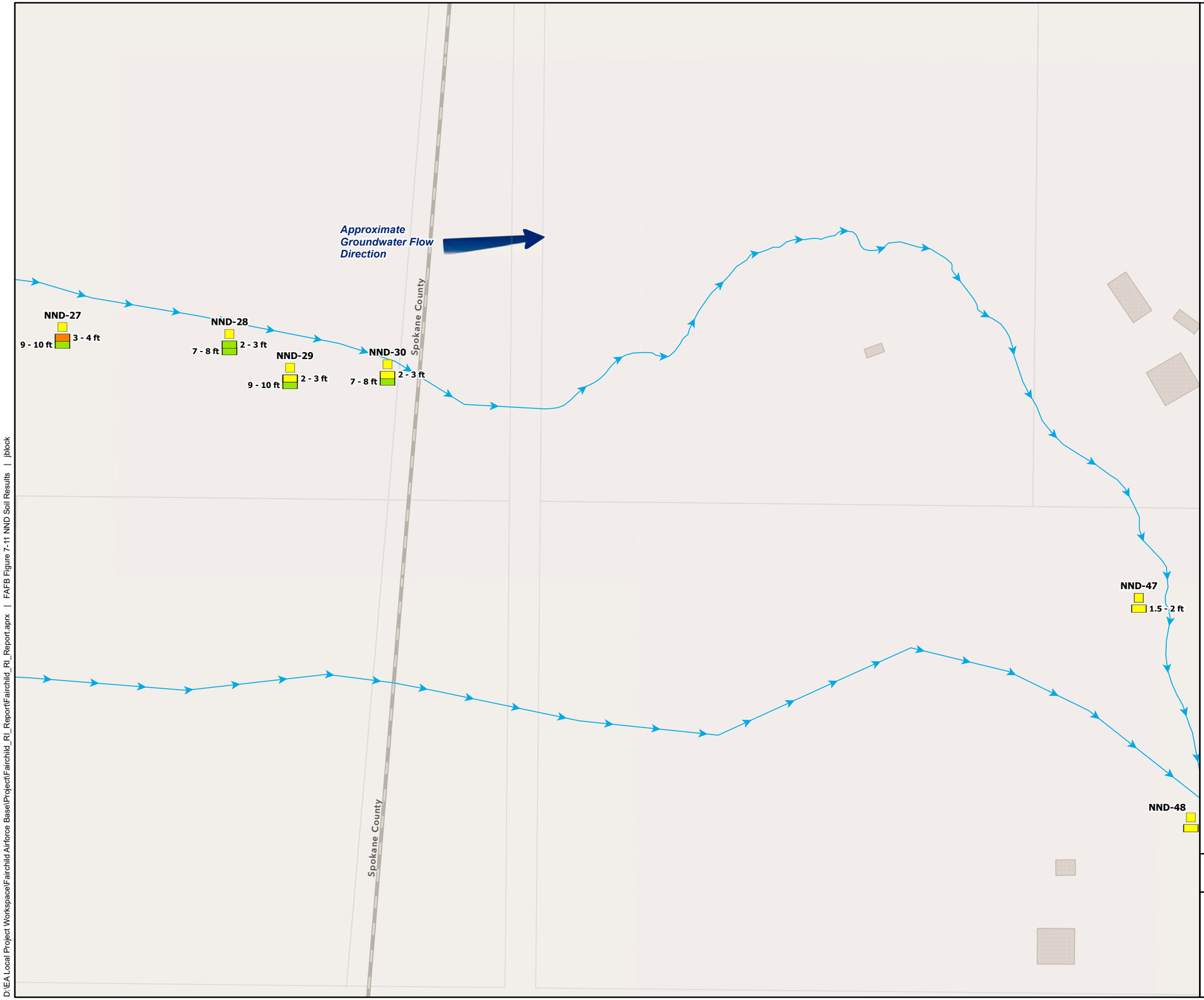
US Feet

**For Official Use Only** Date: 6/3/2025

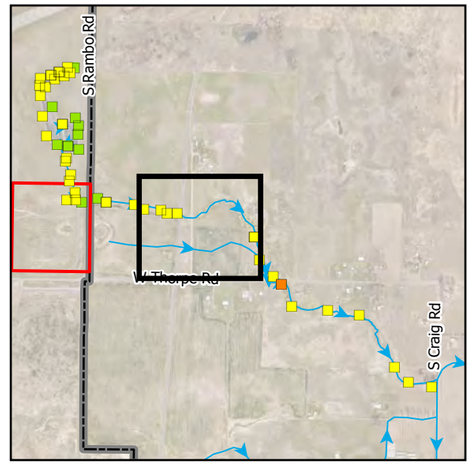
United States Air Force
Fairchild AFB, Washington

**Figure 7-11b: No Name Ditch Site Map - Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-11 NND Soil Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 62.5 125 250

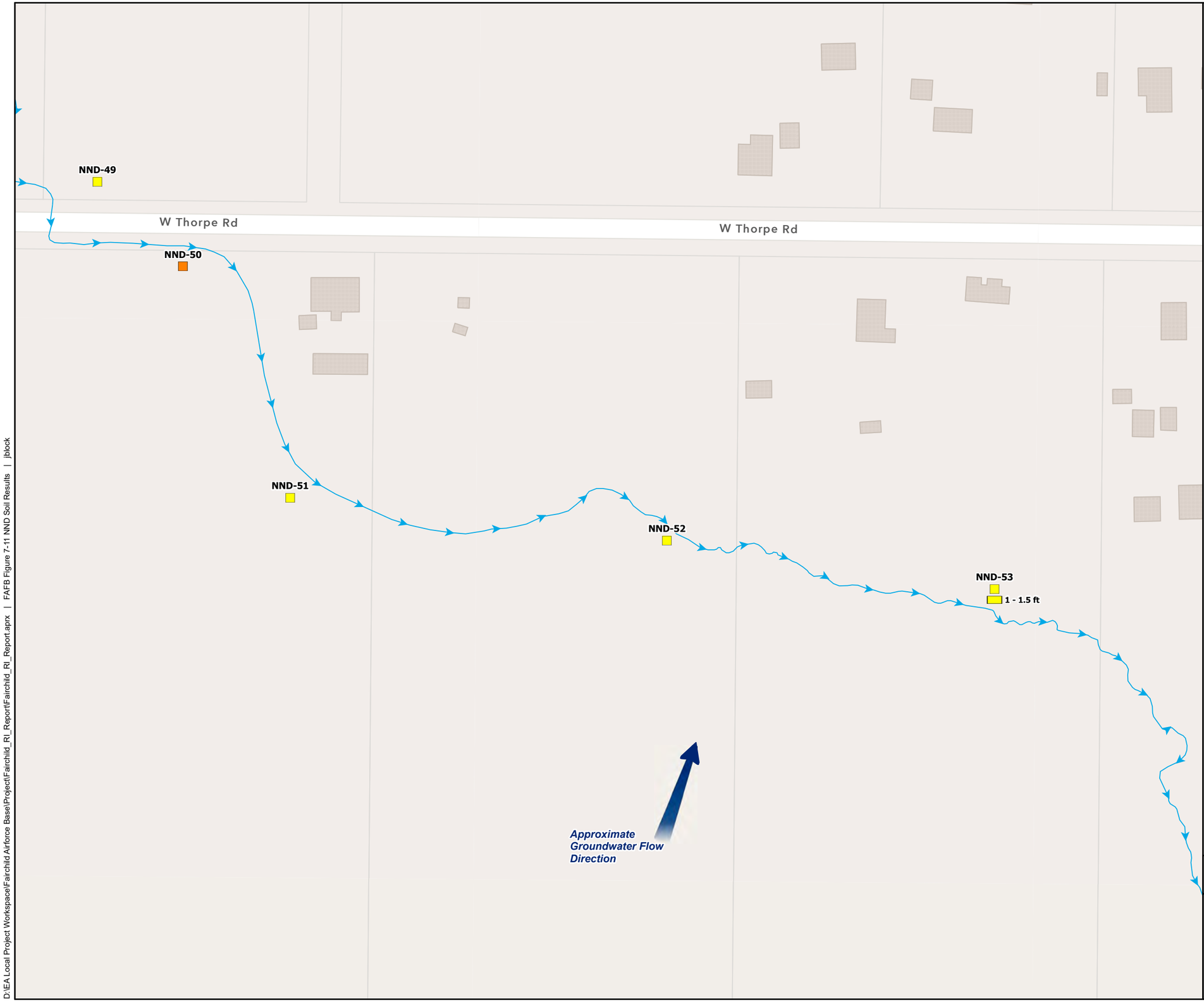
US Feet

**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

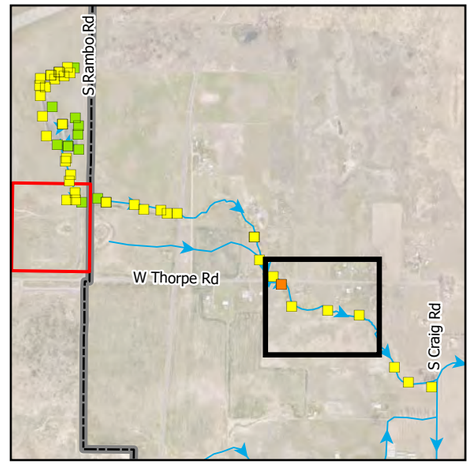
**Figure 7-11c: No Name Ditch Site Map - Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-11 NND Soil Results | jblock




D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-11 NND Soil Results | jblock

VICINITY MAP - NO NAME DITCH




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-11d: No Name Ditch Site Map - Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

NND-53
1 - 1.5 ft

NND-54
5 - 5.5 ft
2 - 3 ft

NND-55
6 - 6.8 ft
2 - 2.8 ft

NND-56
7 - 8 ft
2 - 3 ft

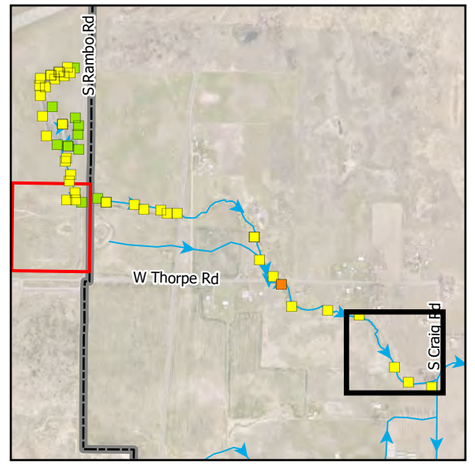
S Craig Rd

S Craig Rd

*Approximate Groundwater Flow Direction*

*Approximate Groundwater Flow Direction*

VICINITY MAP - NO NAME DITCH




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

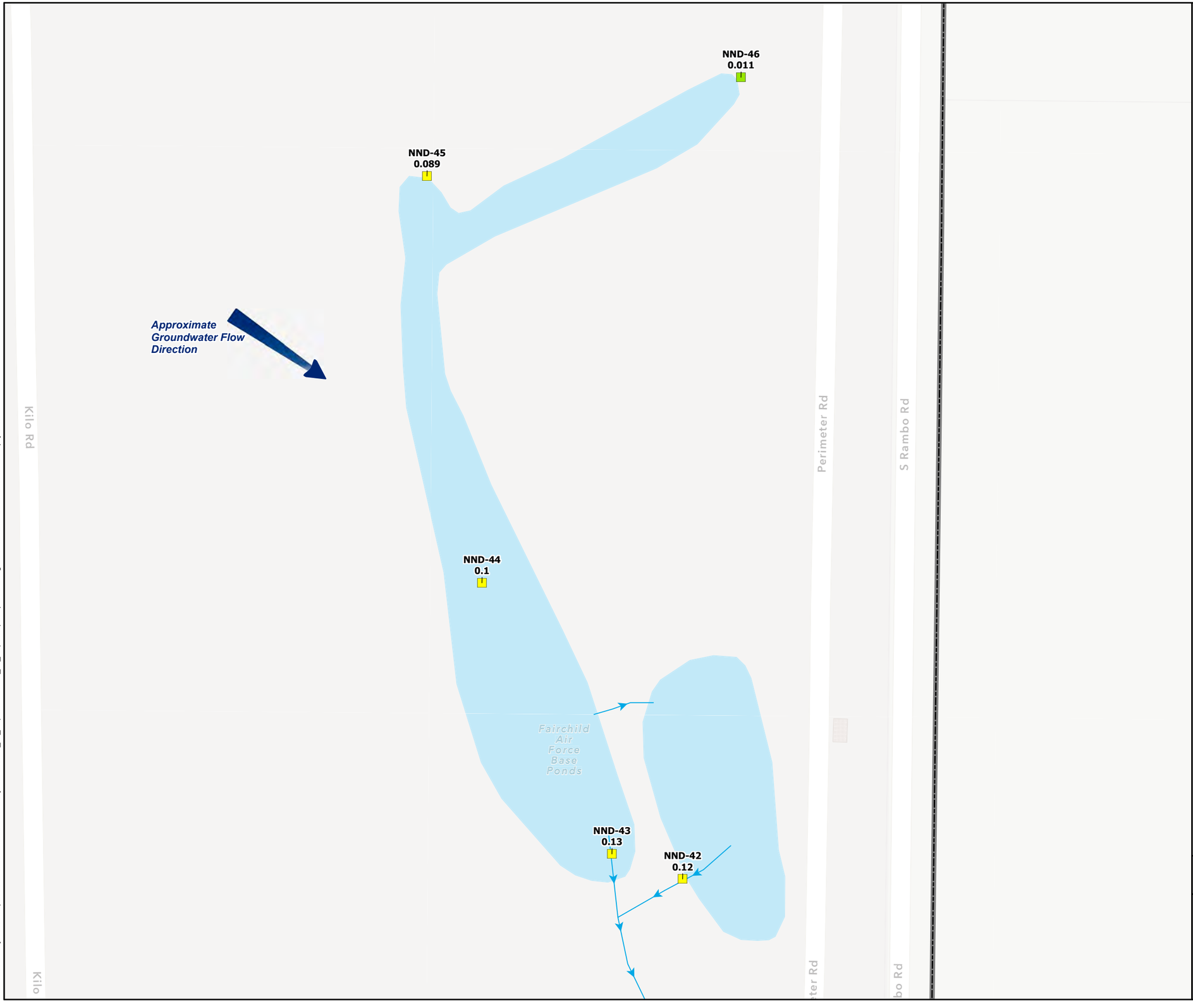
0 50 100 200
US Feet

**For Official Use Only** Date: 6/3/2025

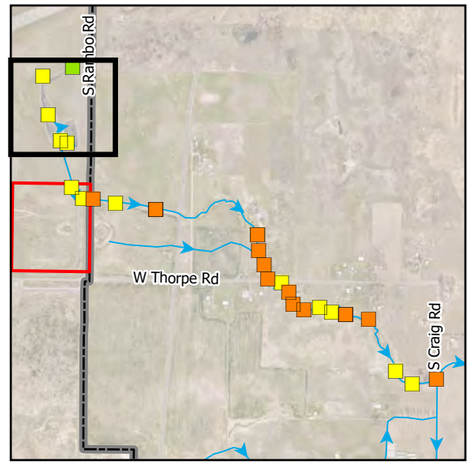
United States Air Force
Fairchild AFB, Washington

**Figure 7-11e: No Name Ditch Site Map - Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-11 NND Soil Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Sediment Sample Location, PFOS

- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

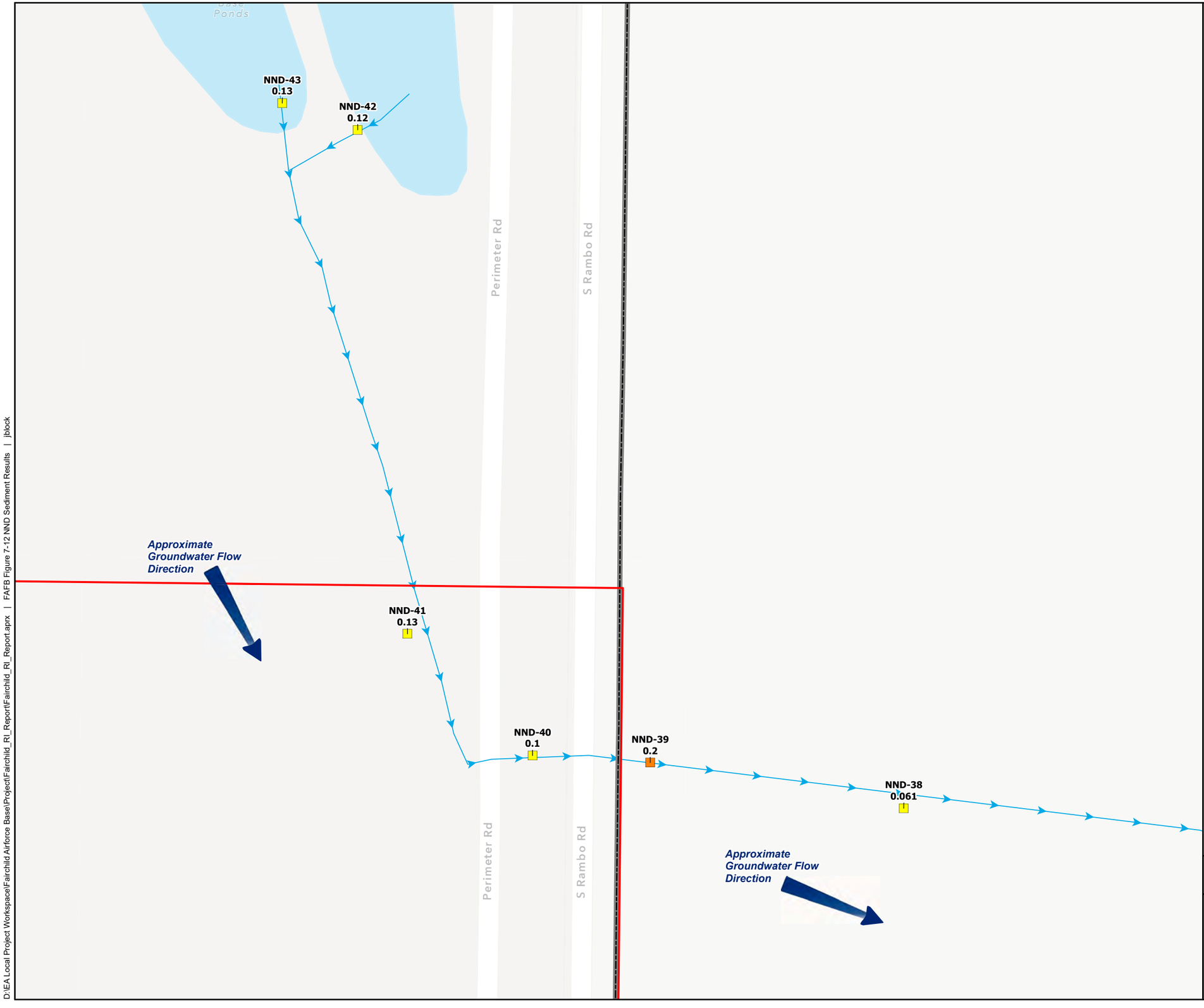
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

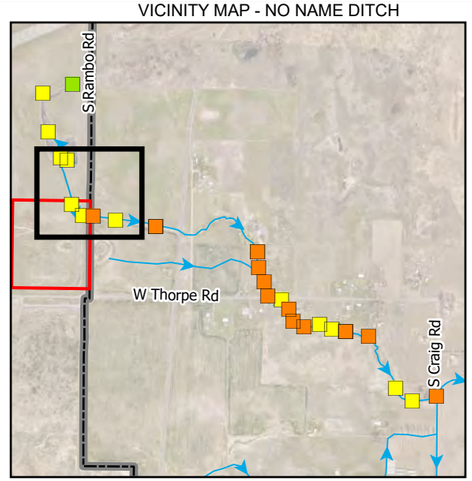
**Figure 7-12a: No Name Ditch Site Map - Sediment Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-12 NND Sediment Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Sediment Sample Location, PFOS

- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

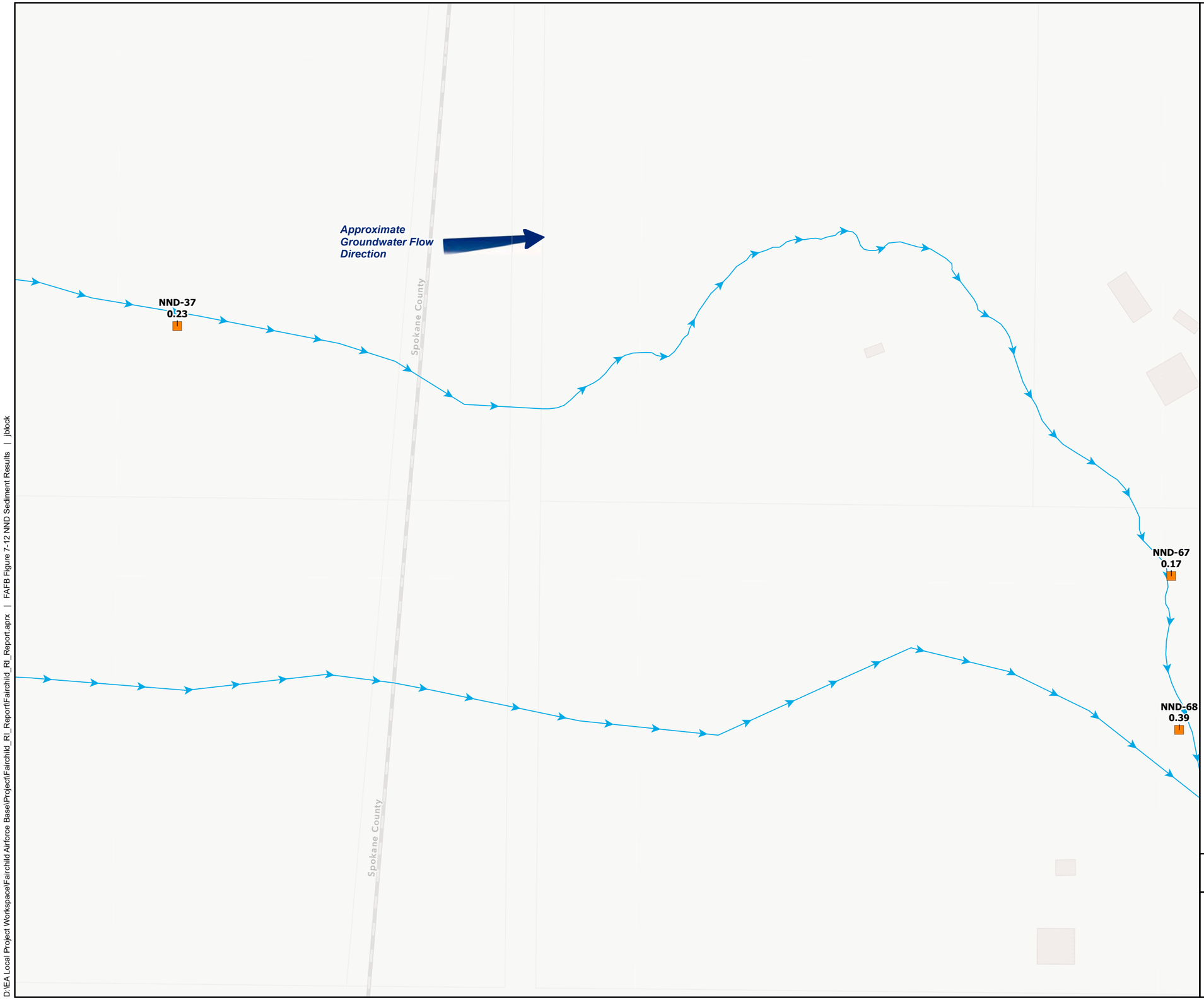
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

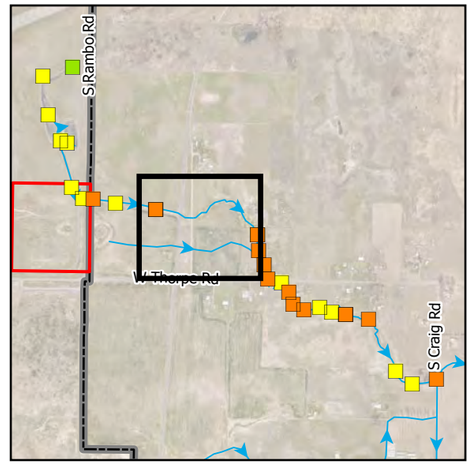
**Figure 7-12b: No Name Ditch Site Map - Sediment Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-12 NND Sediment Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Sediment Sample Location, PFOS

- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 62.5 125 250

US Feet

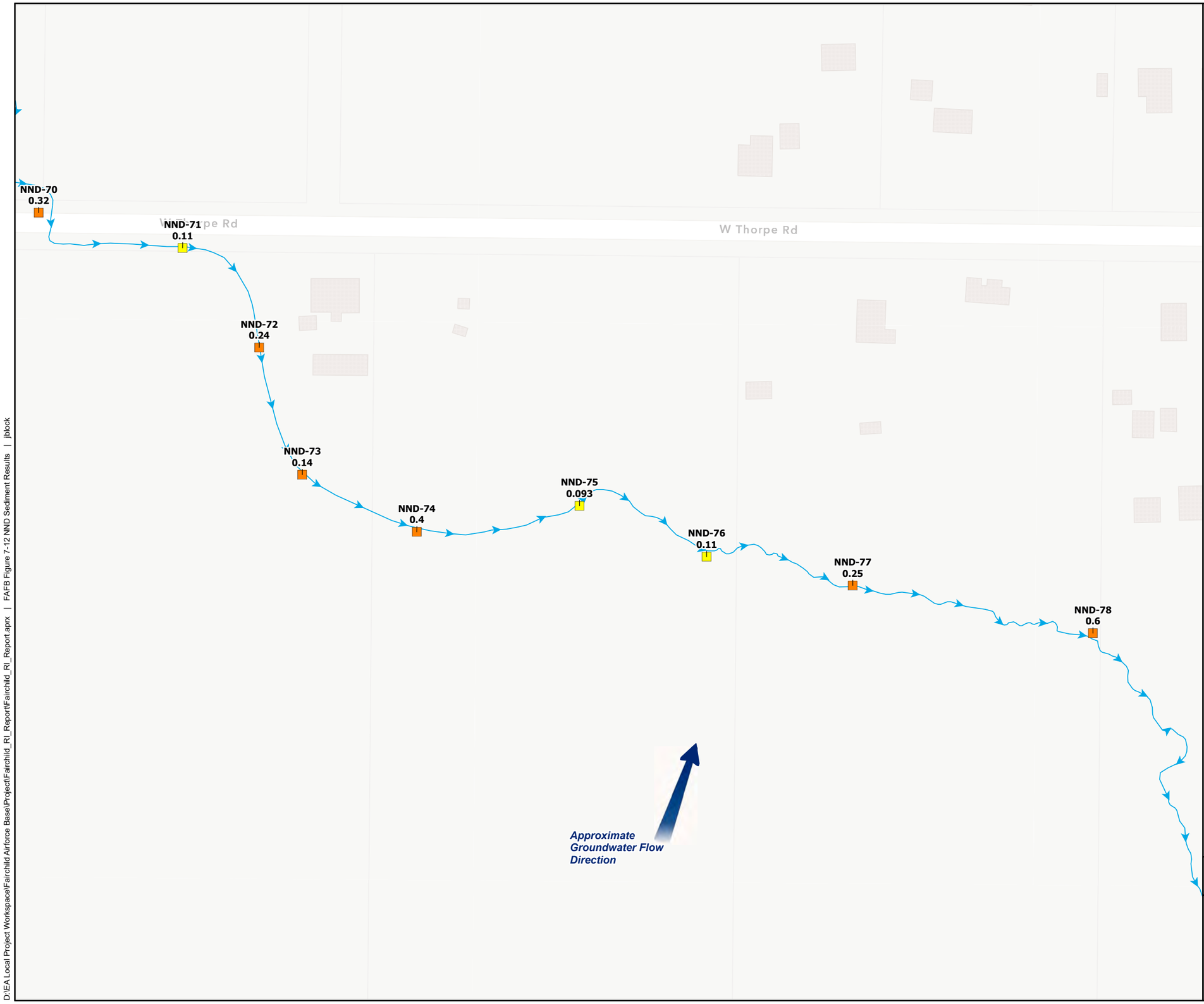
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

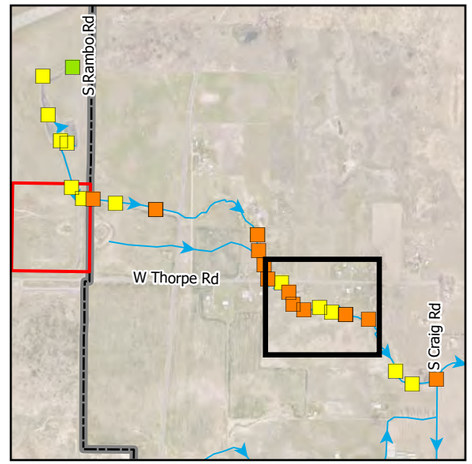
**Figure 7-12c: No Name Ditch Site Map - Sediment Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-12 NND Sediment Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Sediment Sample Location, PFOS

- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

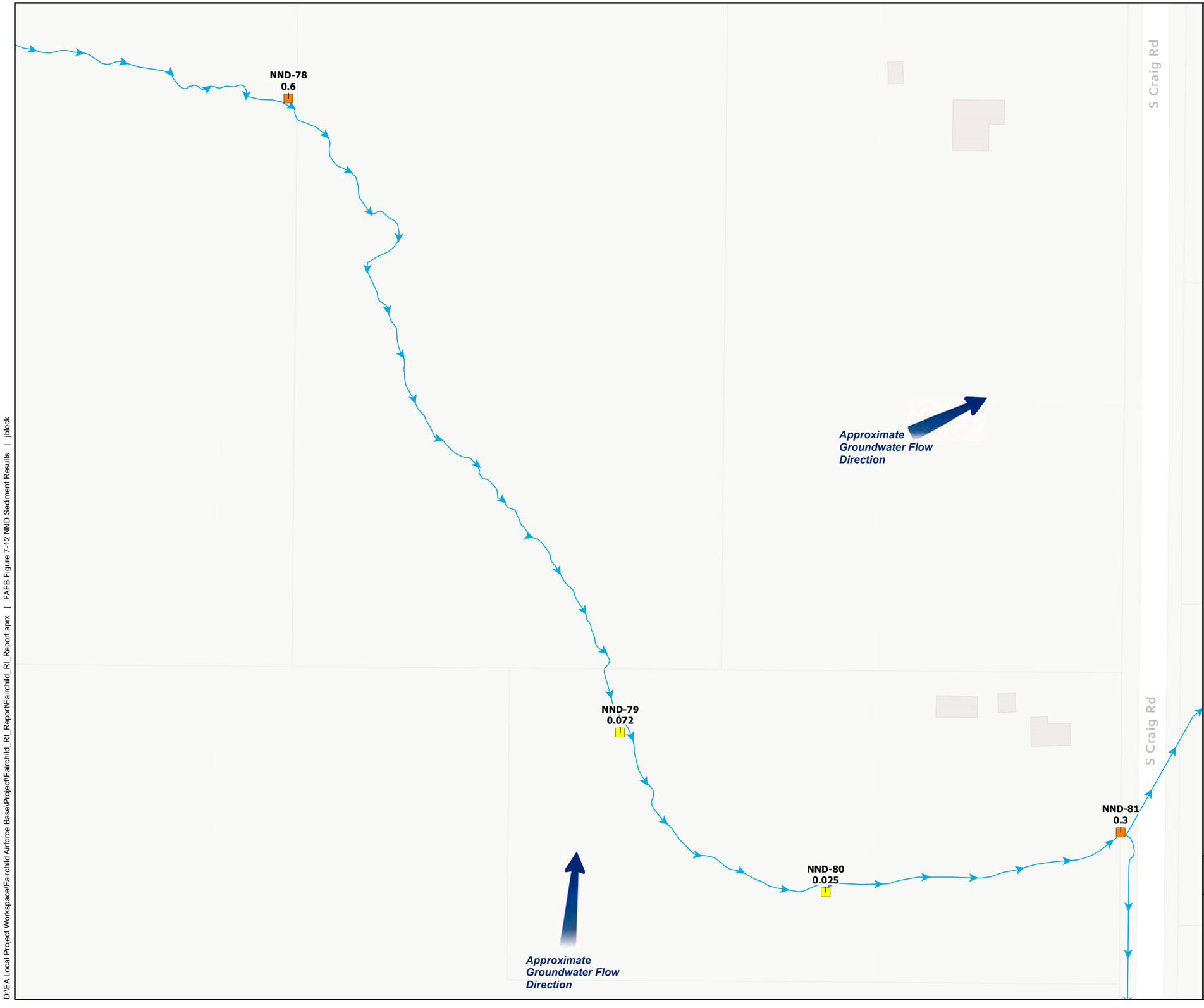
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

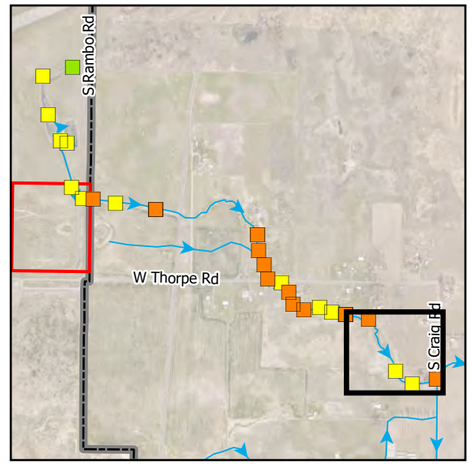
**Figure 7-12d: No Name Ditch Site Map - Sediment Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-12 NND Sediment Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

Sediment Sample Location, PFOS

- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 50 100 200

US Feet

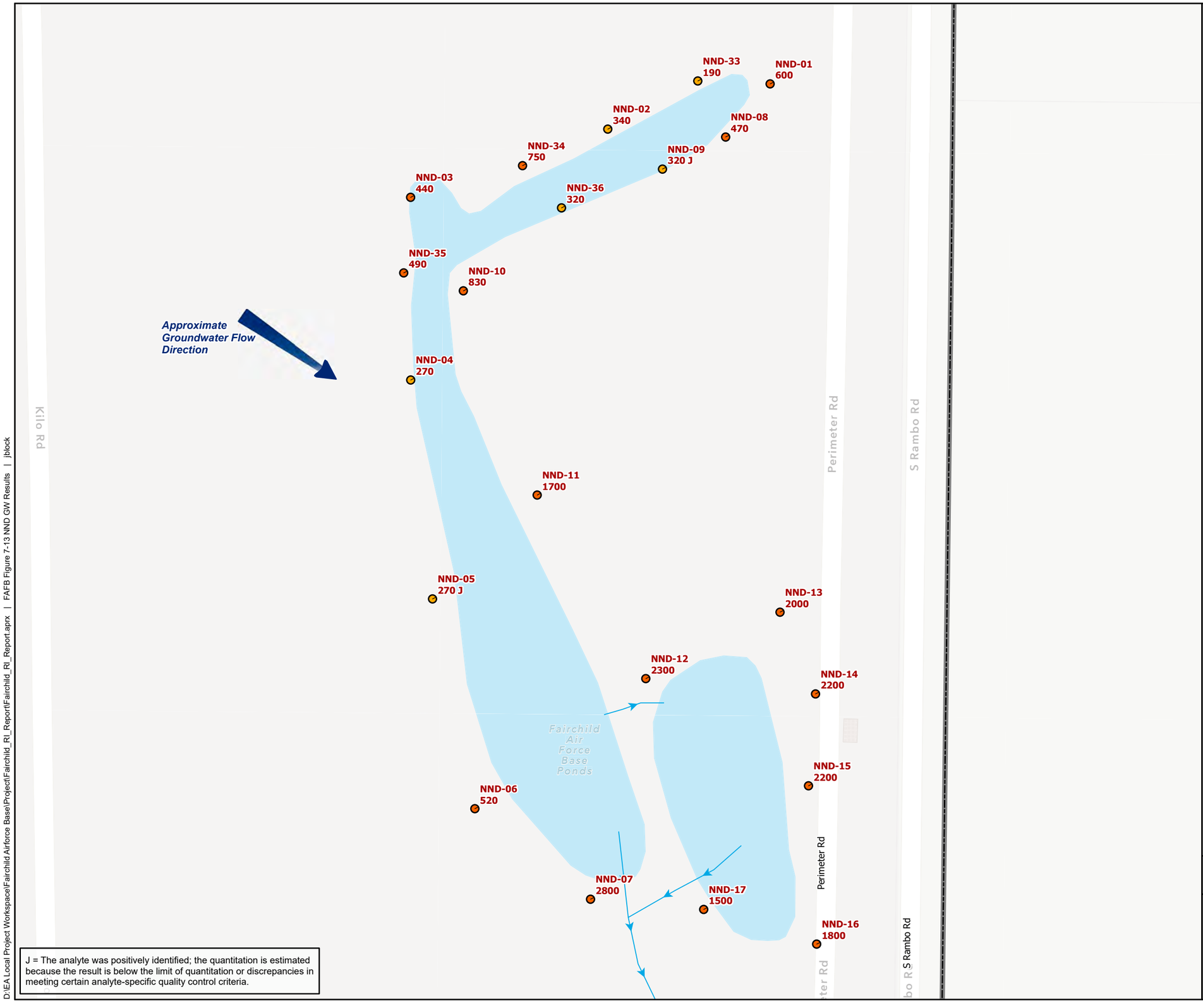
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-12e: No Name Ditch Site Map - Sediment Sampling Results for PFOS**

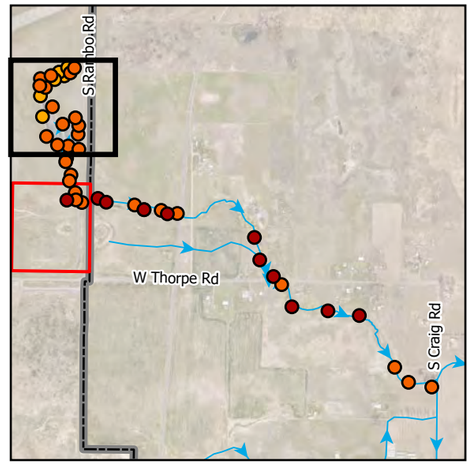
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-12 NND Sediment Results | jblock




J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

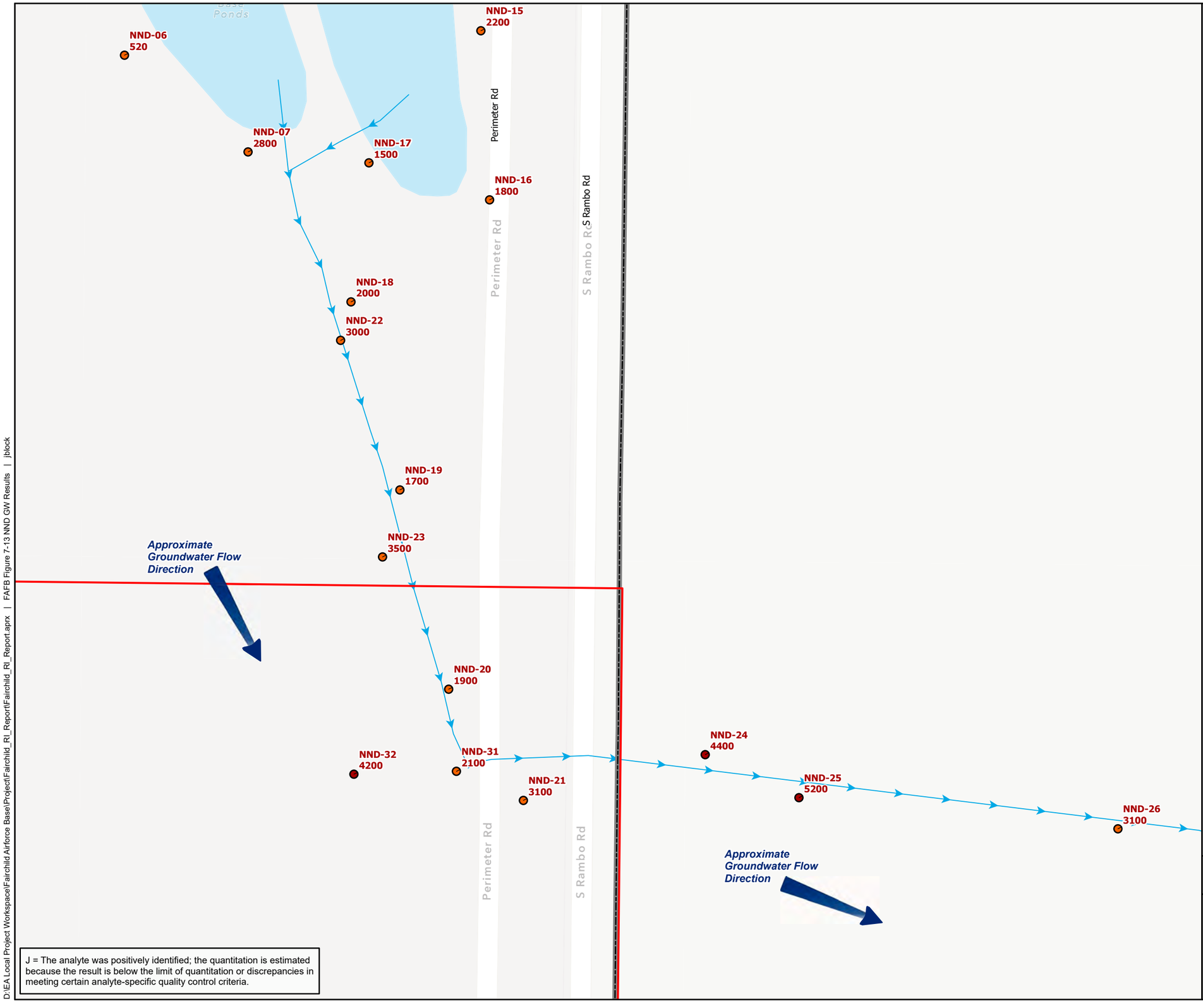
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

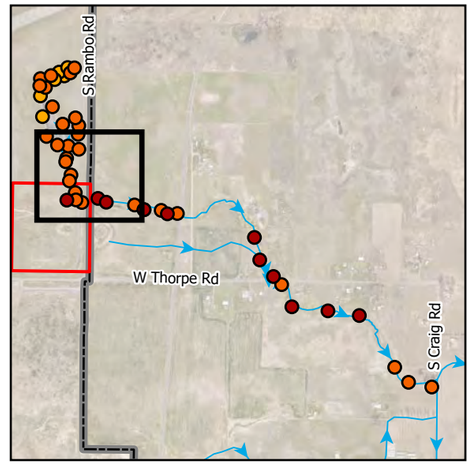
**Figure 7-13a: No Name Ditch Site Map - Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-13 NND GW Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

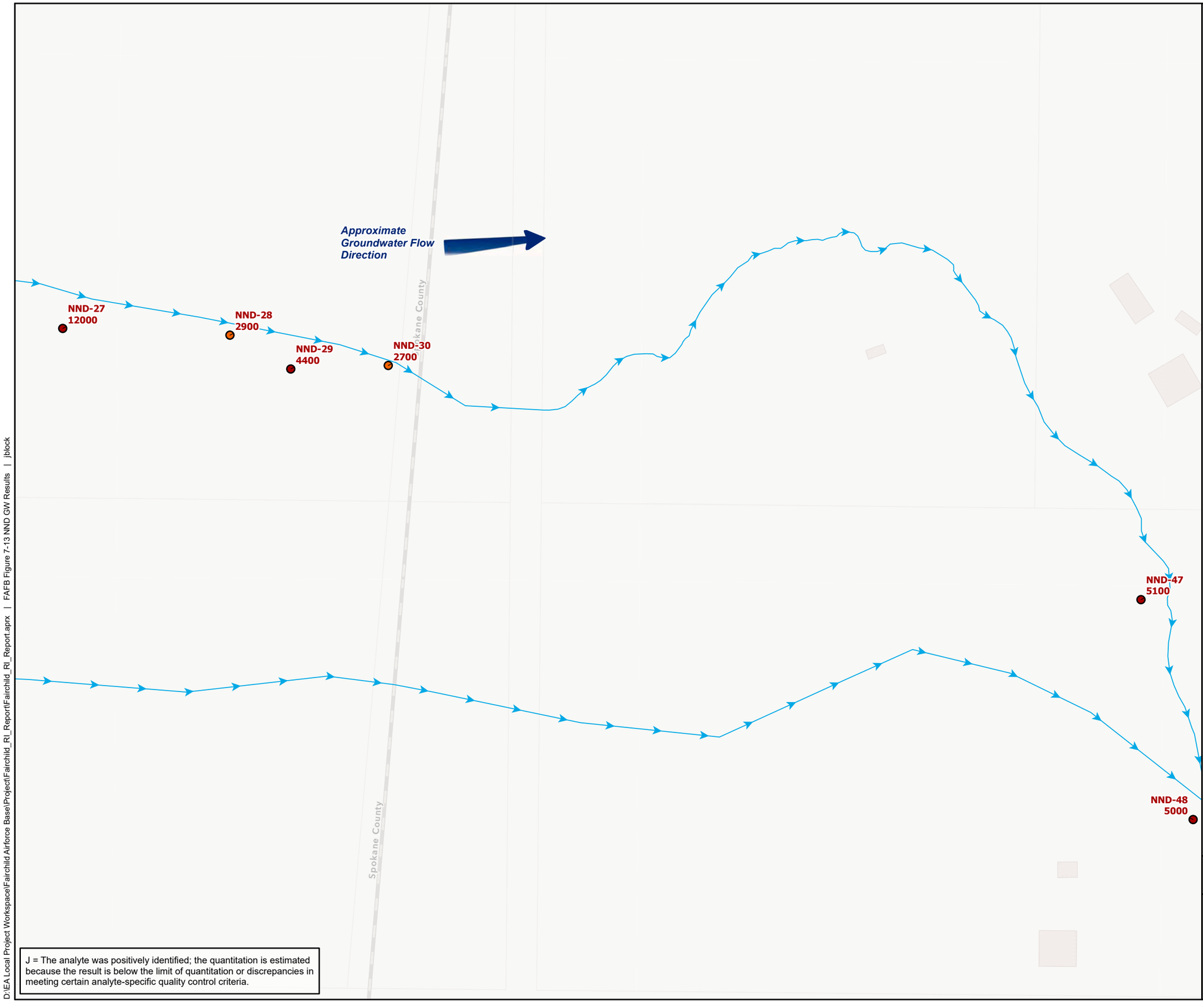
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-13b: No Name Ditch Site Map - Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

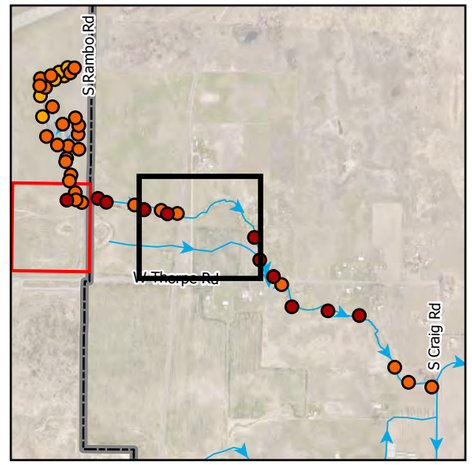
D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-13 NND GW Results | jblock




J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-13 NND GW Results | jblock

VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 62.5 125 250

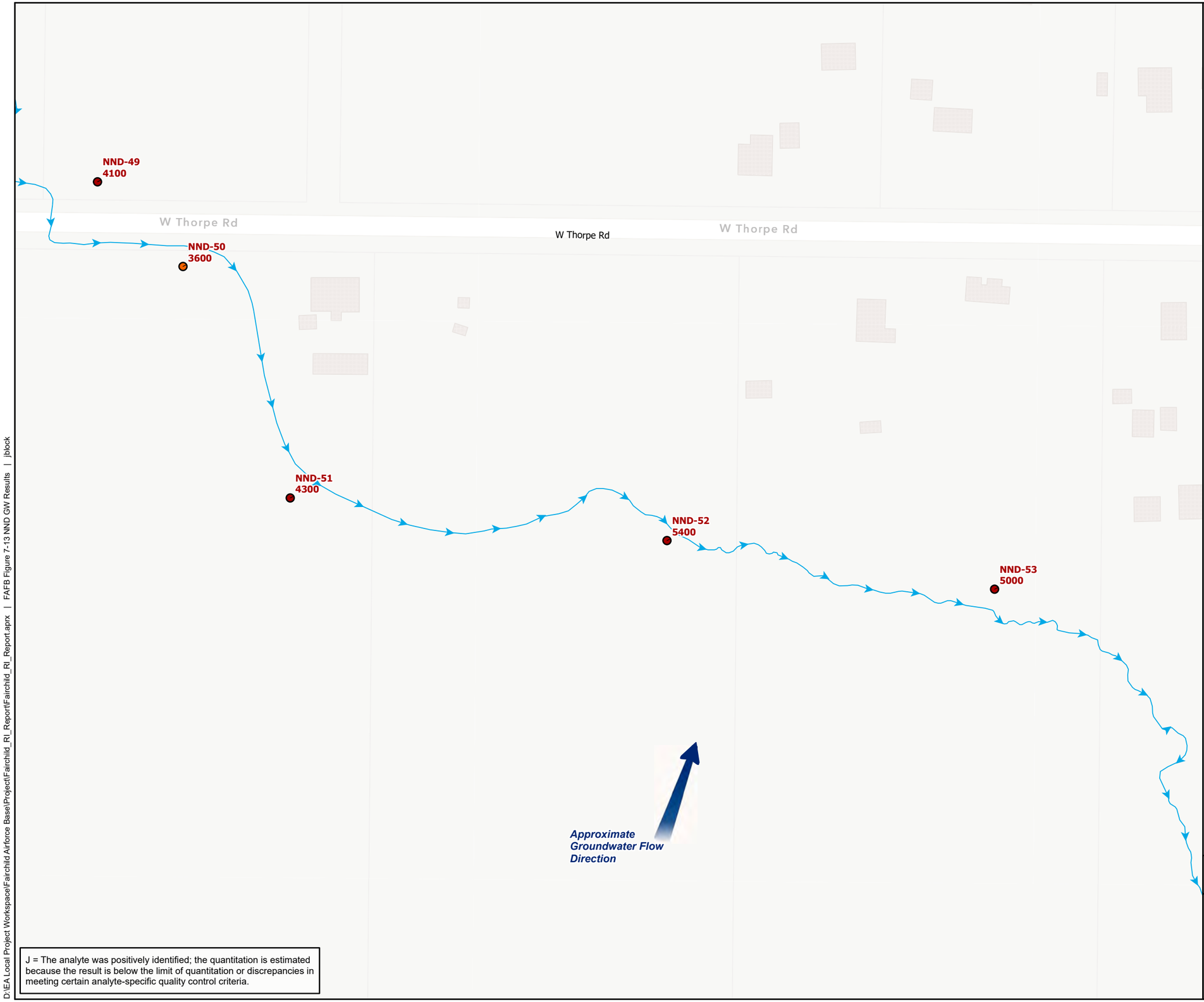
US Feet

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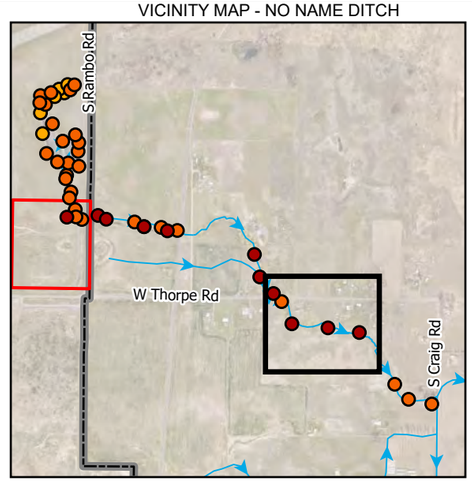
**Figure 7-13c: No Name Ditch Site Map - Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation




J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 55 110 220

US Feet

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Fairchild AFB, Washington

**Figure 7-13d: No Name Ditch Site Map - Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-13 NND GW Results | jblock

NND-53
5000

NND-54
3400

NND-55
2300

NND-56
4000

S Craig Rd

S Craig Rd

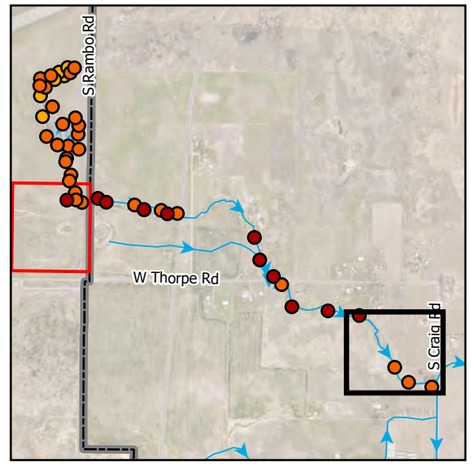
*Approximate Groundwater Flow Direction*

*Approximate Groundwater Flow Direction*

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-13 NND GW Results | jblock

VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 50 100 200

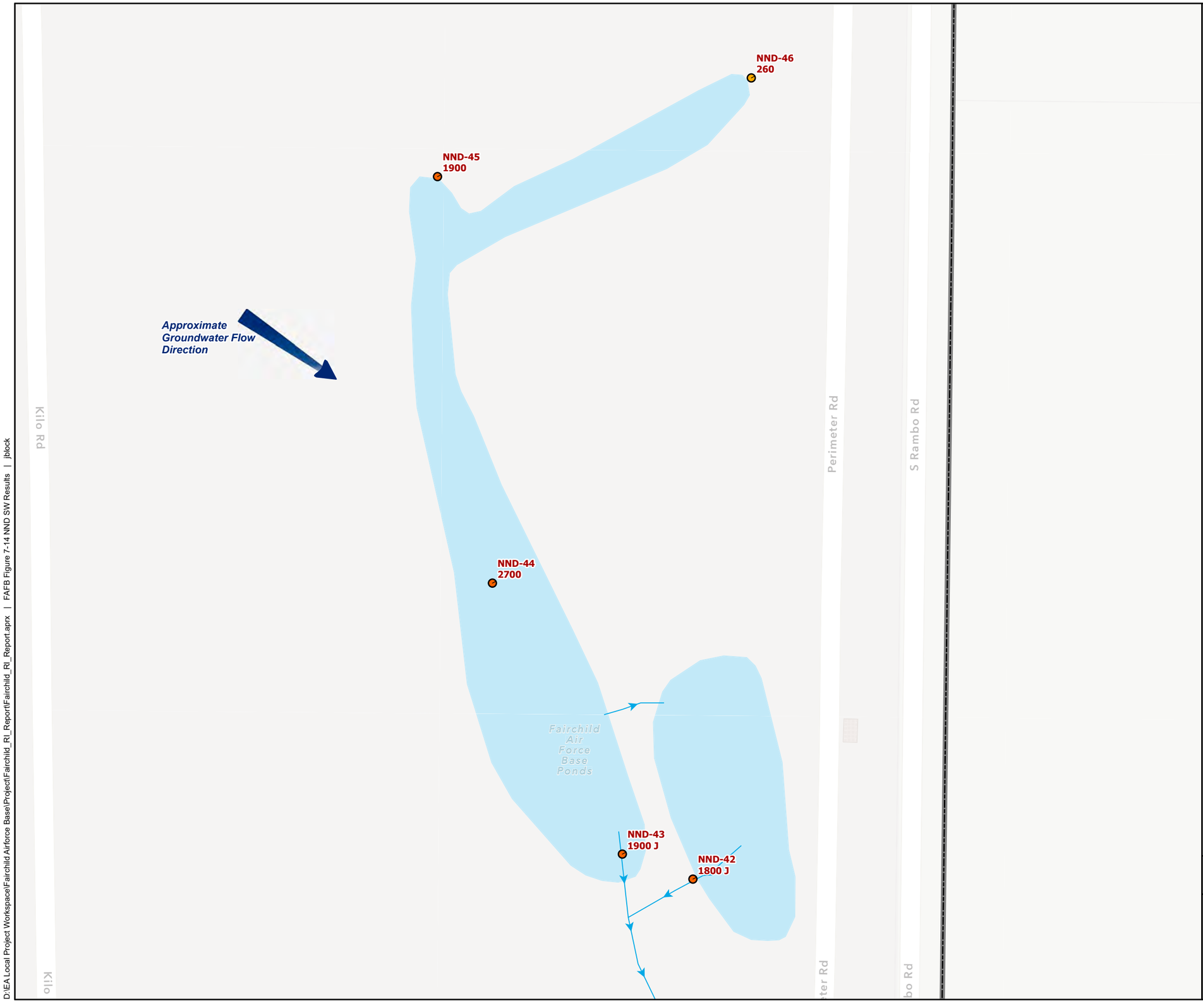
US Feet

**For Official Use Only** Date: 6/3/2025

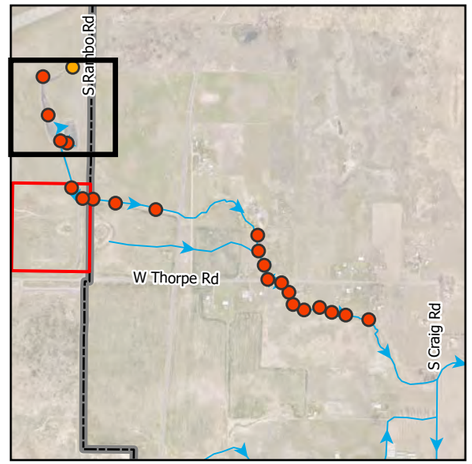
United States Air Force
Fairchild AFB, Washington

**Figure 7-13e: No Name Ditch Site Map - Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation




VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Surface Water Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample resuls are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

N

0 55 110 220

US Feet

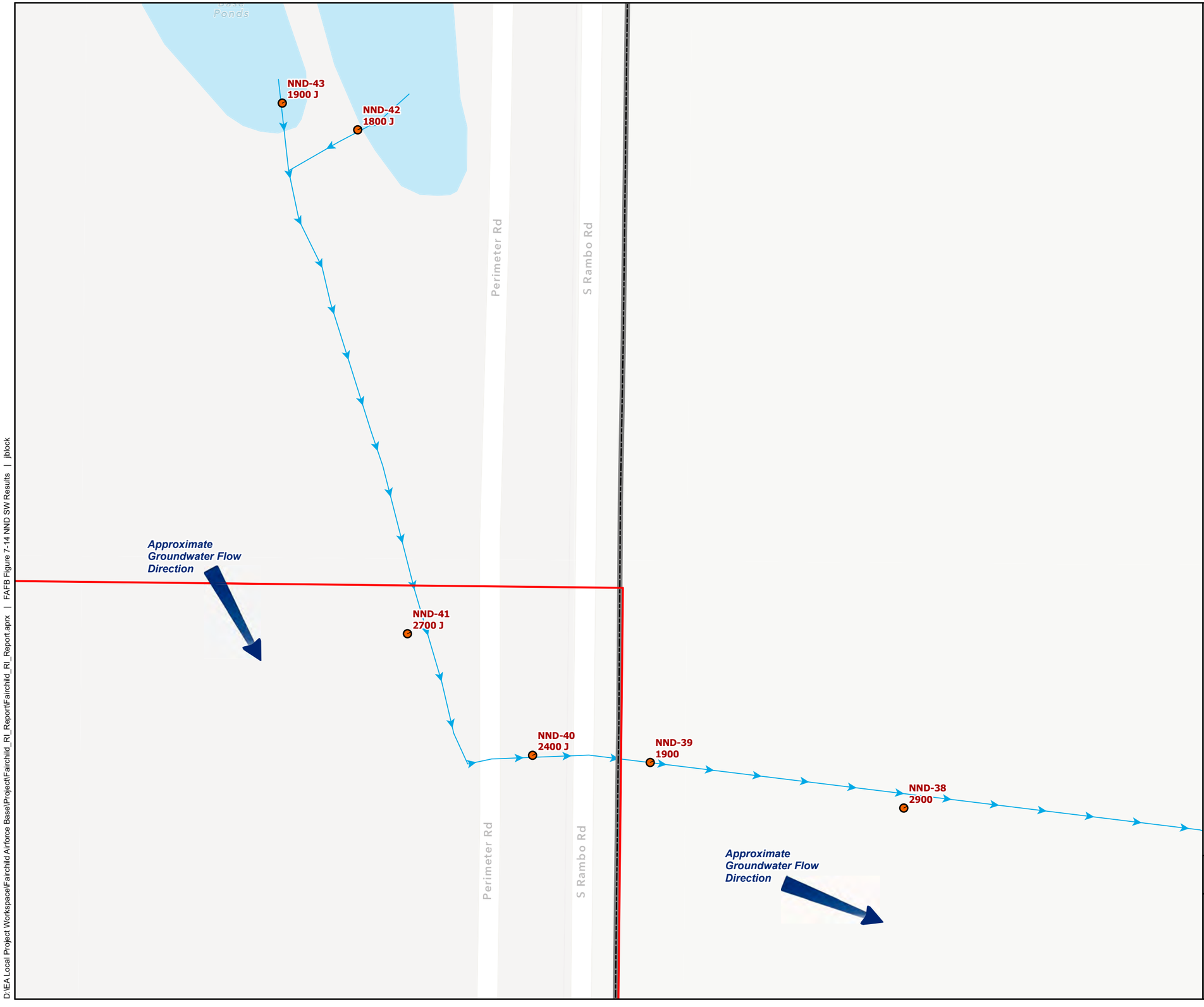
**For Official Use Only** Date: 6/3/2025

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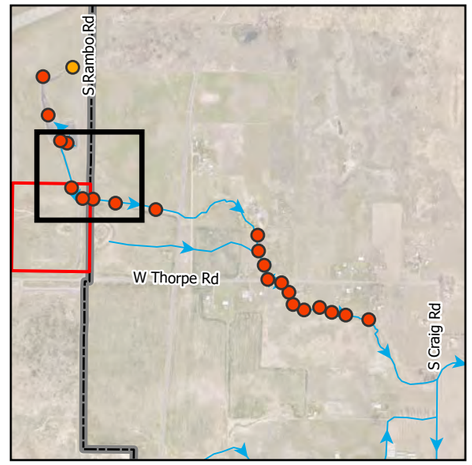
**Figure 7-14a: No Name Ditch Site Map - Surface Water Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-14 NND SW Results | jblock




VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Surface Water Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample resuls are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

N

0 55 110 220

US Feet

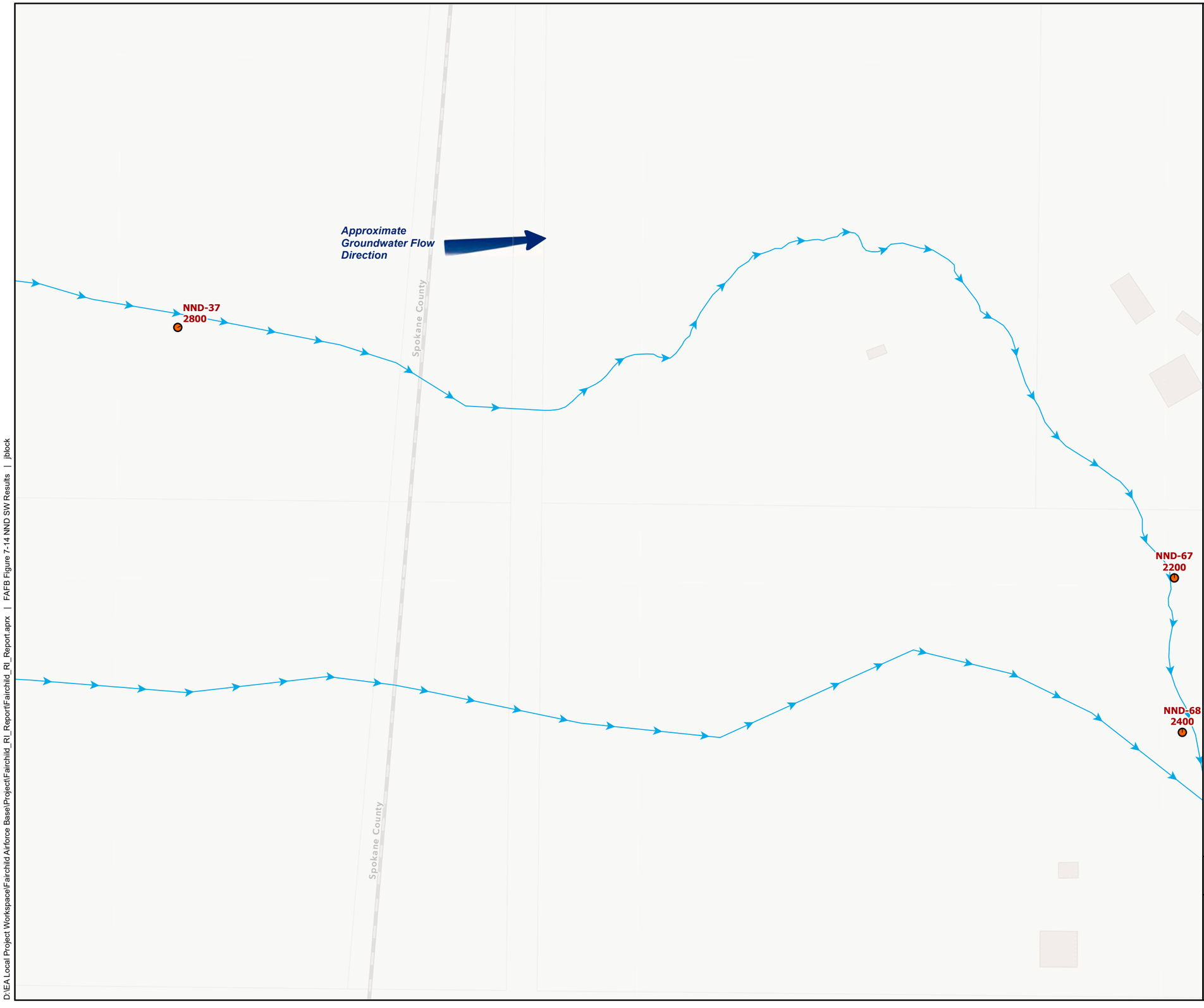
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-14b: No Name Ditch Site Map - Surface Water Sampling Results for PFOS**

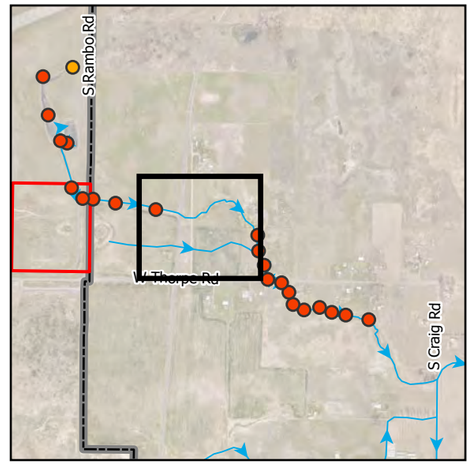
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-14 NND SW Results | jblock




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VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Surface Water Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample resuls are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

N

0 62.5 125 250

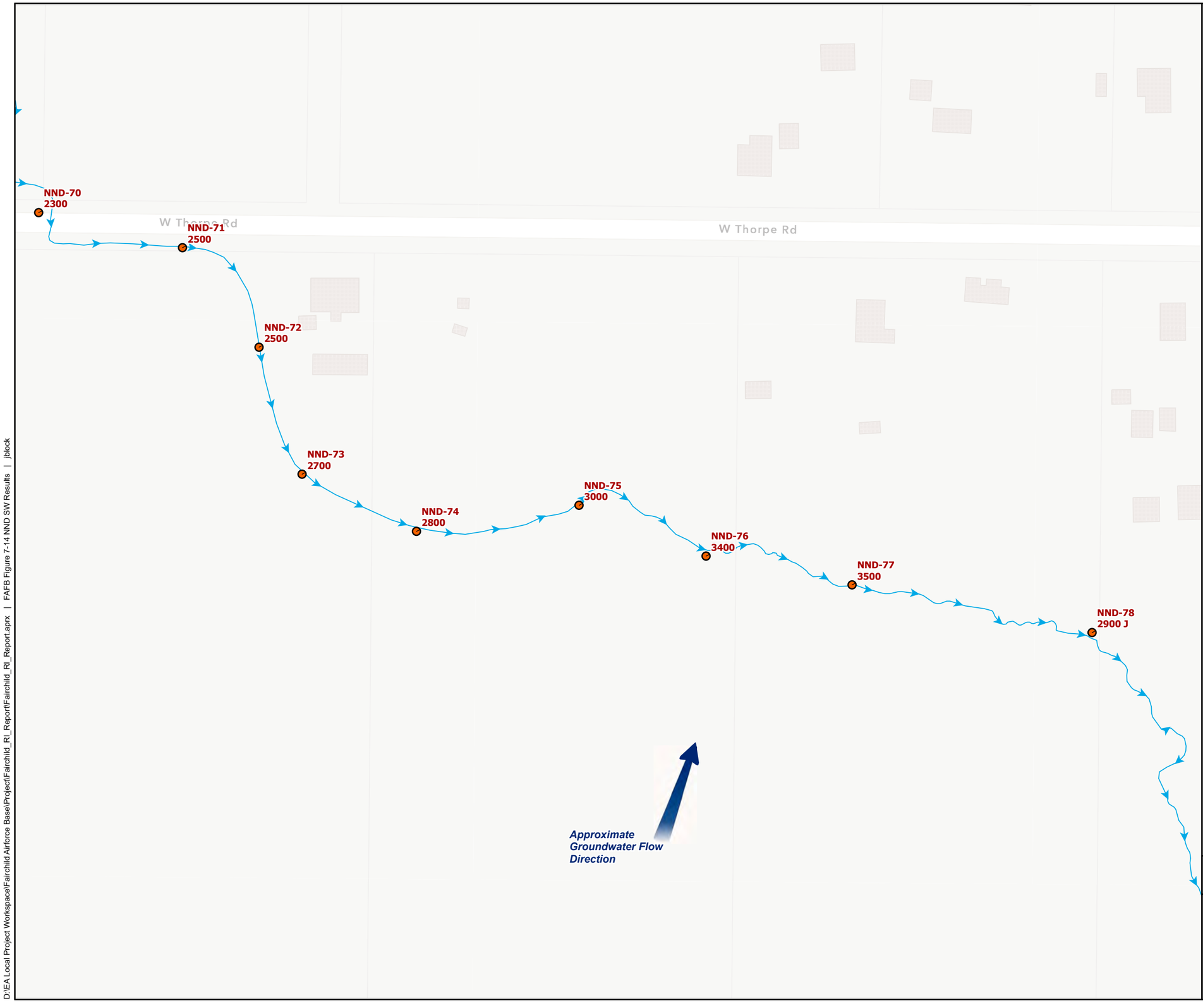
US Feet

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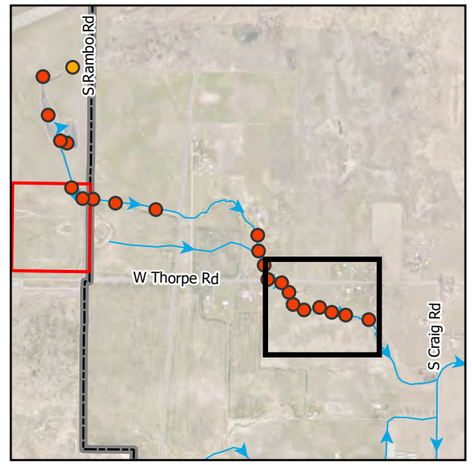
United States Air Force
Fairchild AFB, Washington

**Figure 7-14c: No Name Ditch Site Map - Surface Water Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation




VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Surface Water Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample resuls are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

N

0 55 110 220

US Feet

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**Figure 7-14d: No Name Ditch Site Map - Surface Water Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-14 NND SW Results | jblock

NND-78
2900 J

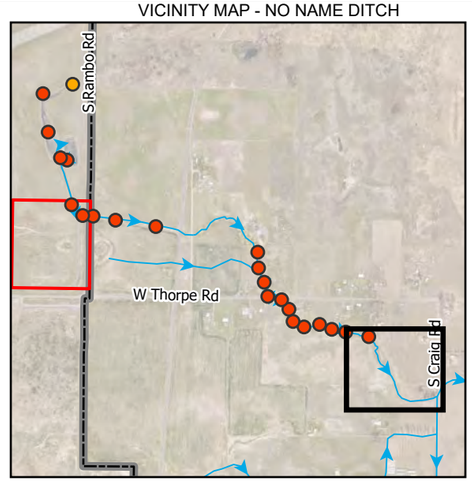
S Craig Rd

Approximate Groundwater Flow Direction

S Craig Rd

Approximate Groundwater Flow Direction

VICINITY MAP - NO NAME DITCH




**Legend**

No Name Ditch Surface Water Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

***Red text indicates a sample results exceedance**

Sample resuls are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.

N

0 50 100 200

US Feet

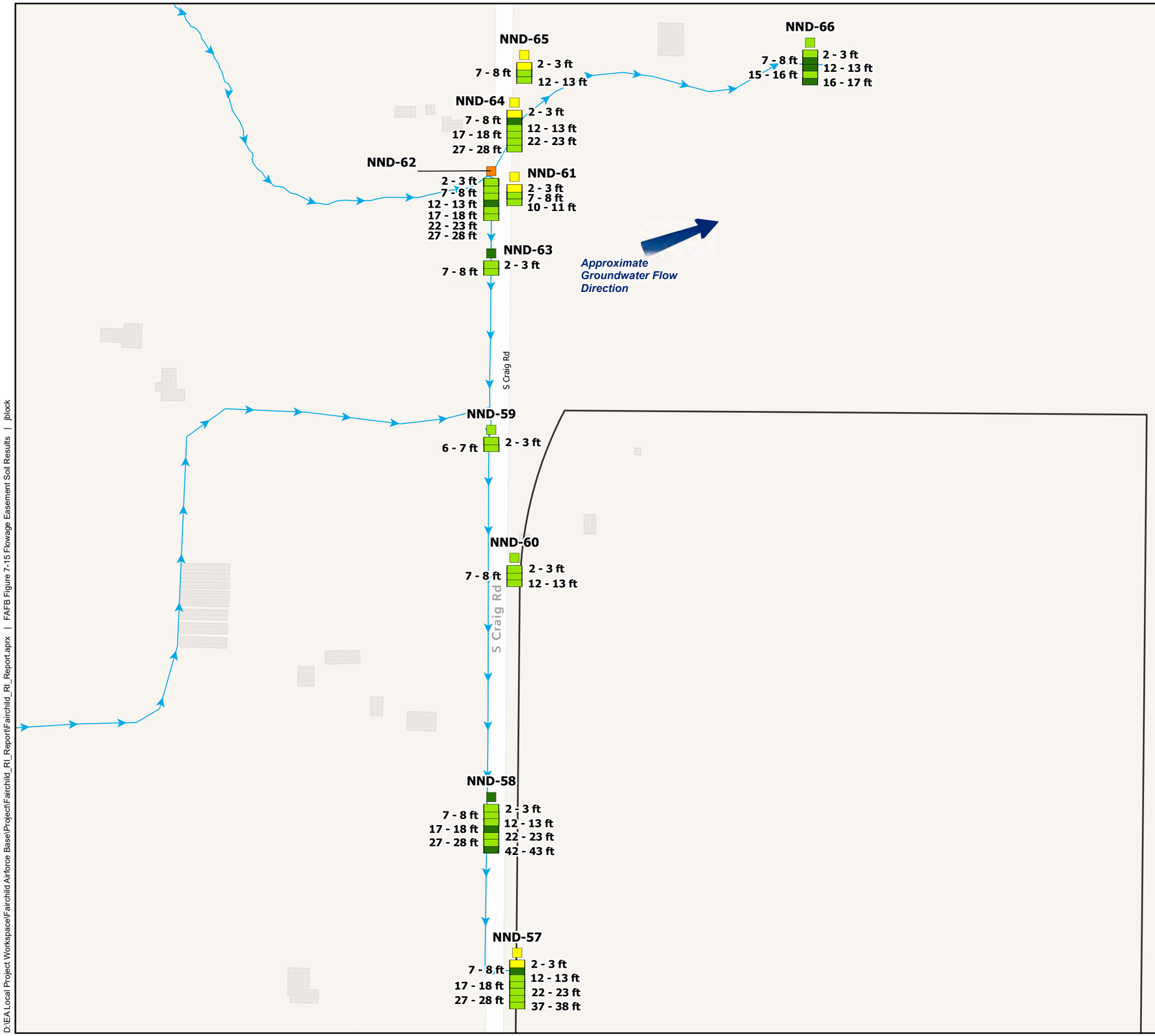
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

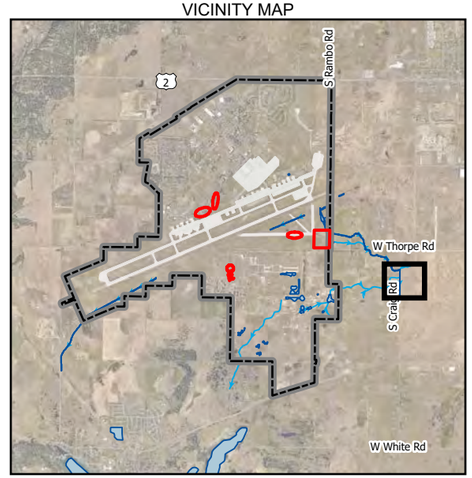
**Figure 7-14e: No Name Ditch Site Map - Surface Water Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-14 NND SW Results | jblock




VICINITY MAP




**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

Flowage Easement

Sample results are reported in mg/kg

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 100 200 400

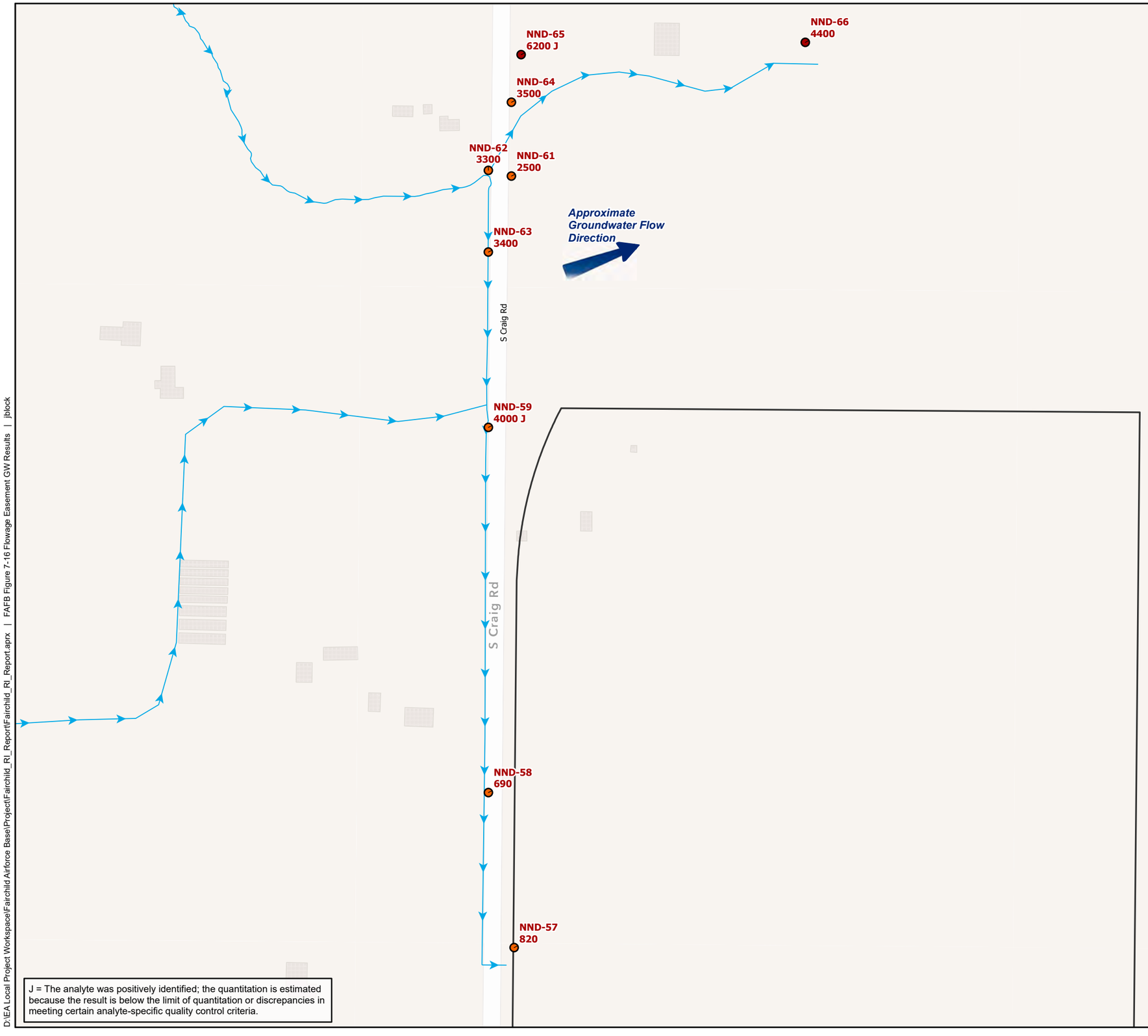
US Feet

**For Official Use Only** Date: 6/3/2025

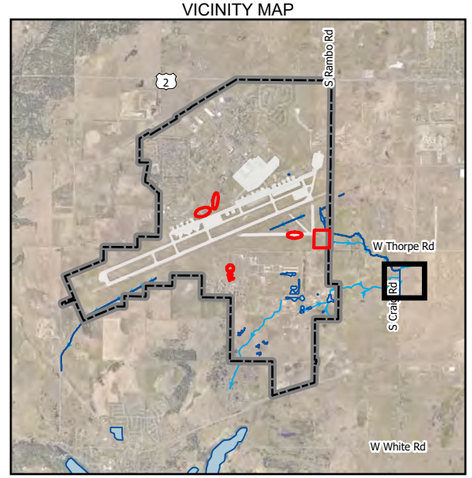
United States Air Force
Fairchild AFB, Washington

**Figure 7-15: Flowage Easement Site Map - Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-15 Flowage Easement Soil Results | jblock




VICINITY MAP




**Legend**

Flowage Easement Groundwater Sampling Locations (PFOS)

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage
- Flowage Easement

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 100 200 400

US Feet

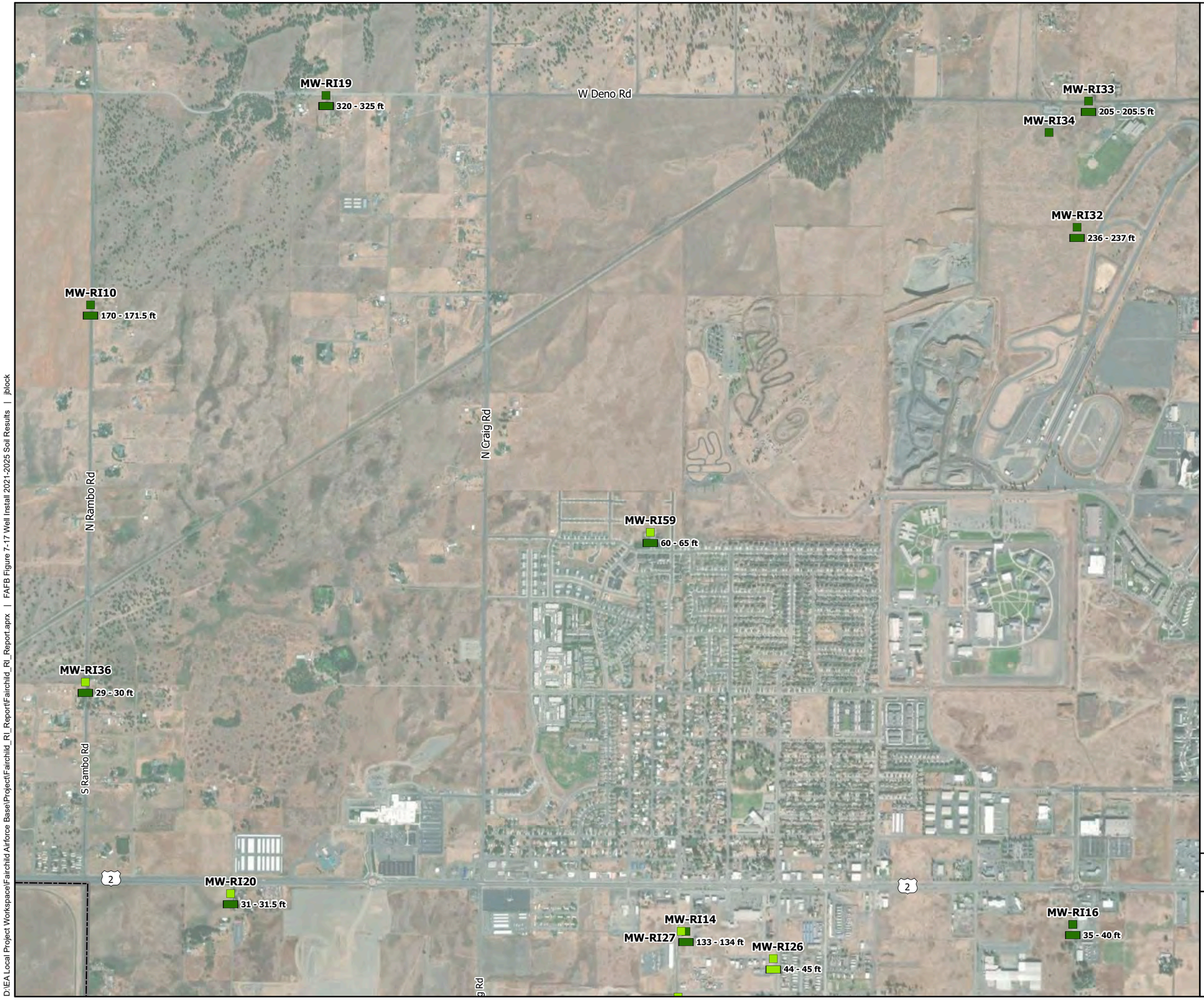
**For Official Use Only** Date: 6/3/2025

United States Air Force
Fairchild AFB, Washington

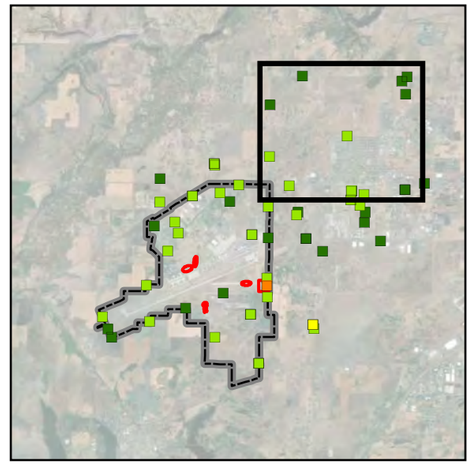
**Figure 7-16: Flowage Easement Site Map - Groundwater Sampling Results for PFOS**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-16 Flowage Easement GW Results | jblock




VICINITY MAP



**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 500 1,000 2,000

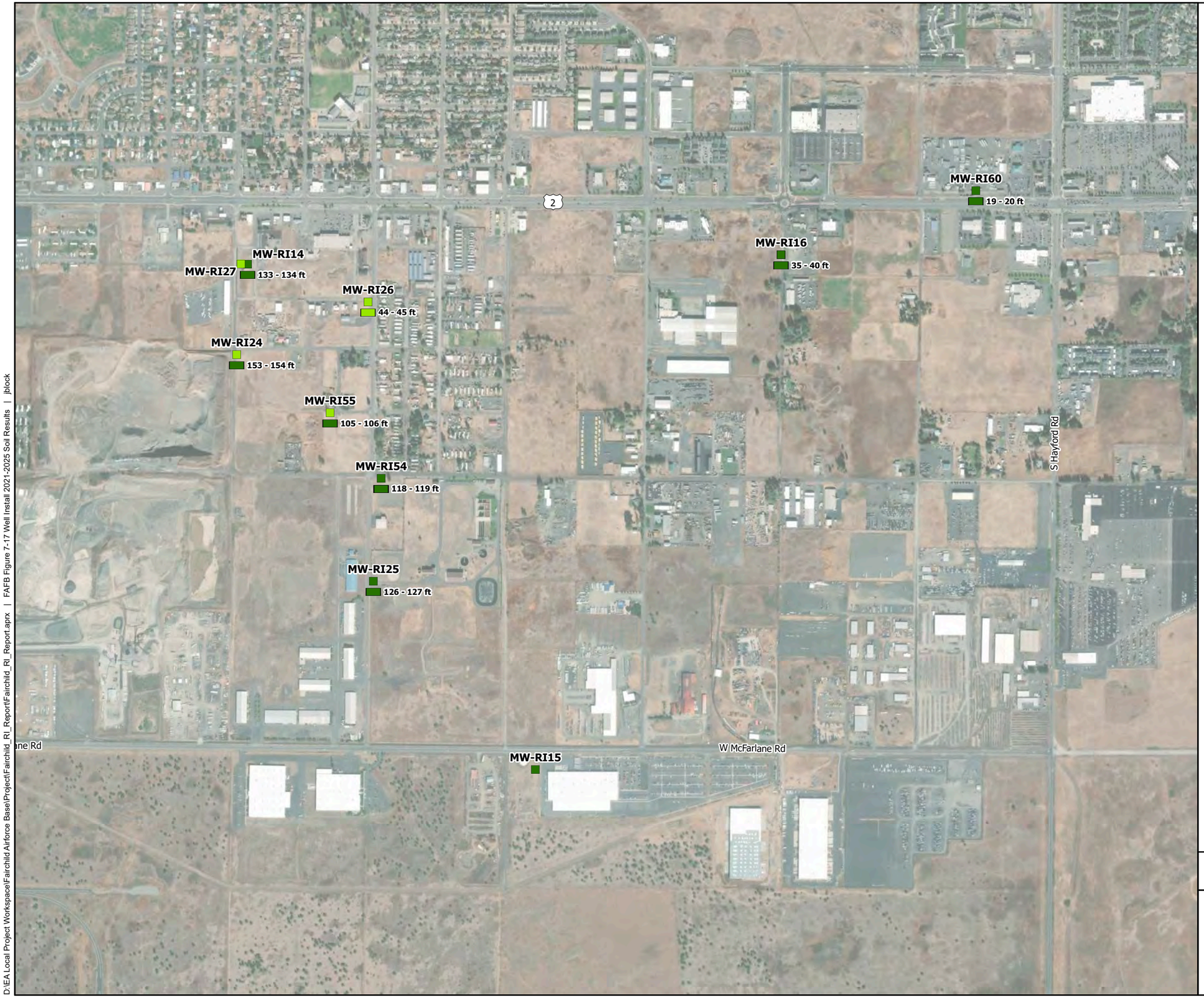
US Feet

**For Official Use Only** Date: 7/30/2025

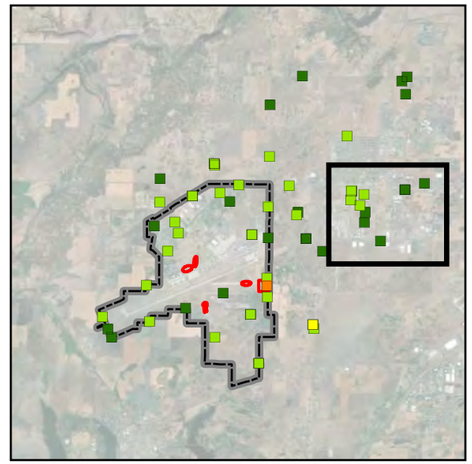
United States Air Force
Fairchild AFB, Washington

**Figure 7-17a: Well Installations 2021-2025 Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-17 Well Install 2021-2025 Soil Results | jblock




VICINITY MAP



**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 462.5 925 1,850

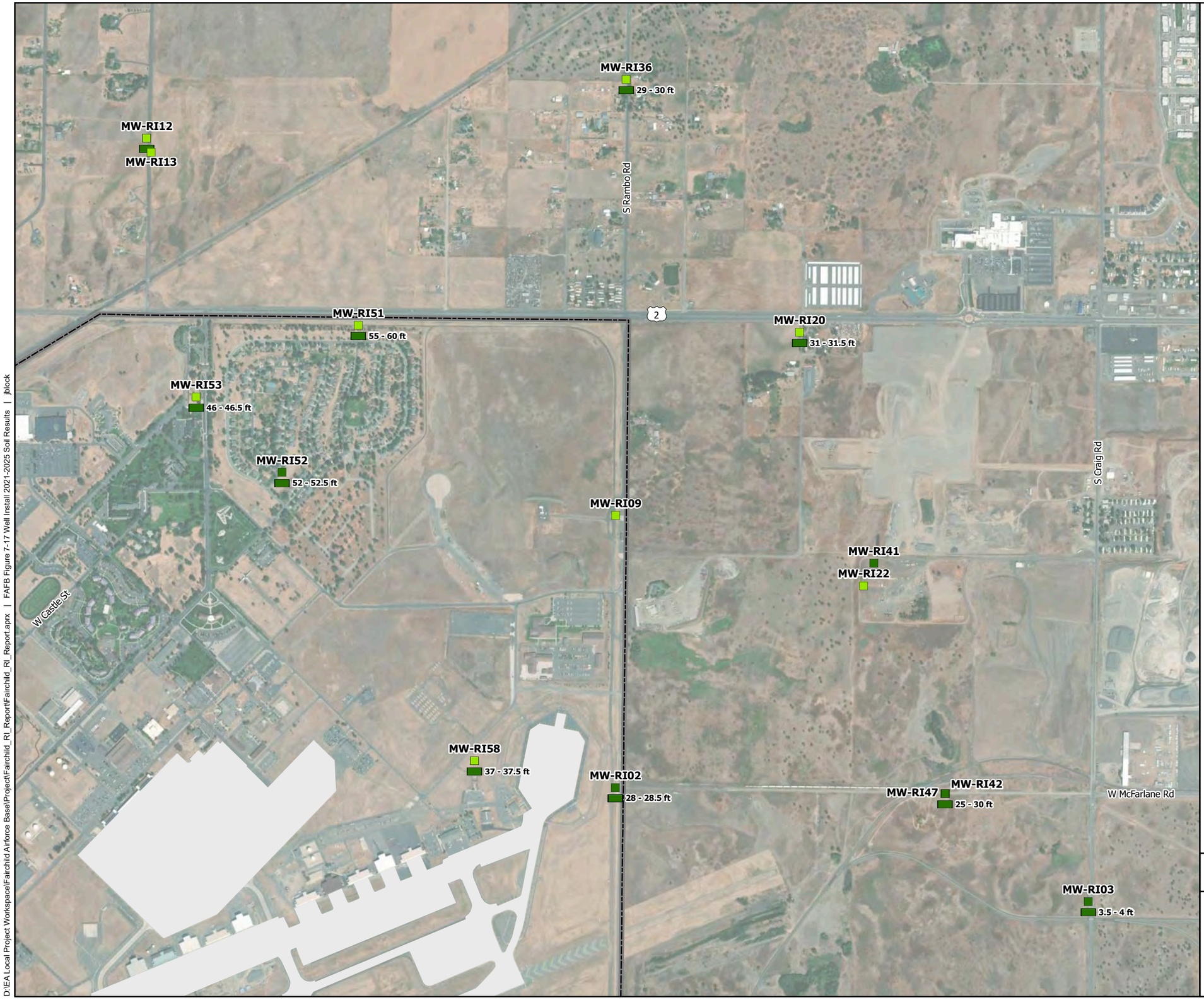
US Feet

**For Official Use Only** Date: 7/30/2025

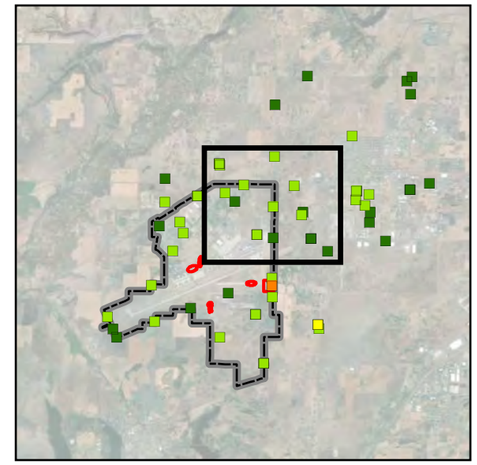
United States Air Force
Fairchild AFB, Washington

**Figure 7-17b: Well Installations 2021-2025 Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-17 Well Install 2021-2025 Soil Results | jblock




VICINITY MAP



**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 500 1,000 2,000

US Feet

**For Official Use Only** Date: 7/30/2025

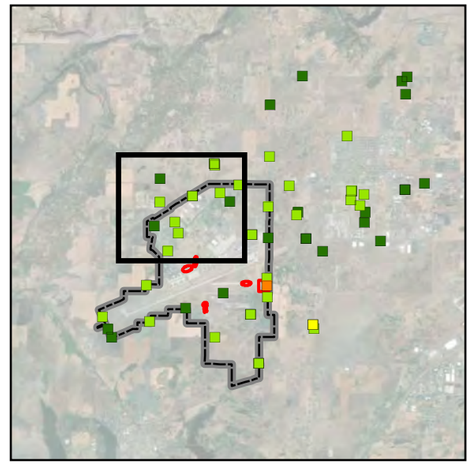
United States Air Force
Fairchild AFB, Washington

**Figure 7-17c: Well Installations 2021-2025 Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-17 Well Install 2021-2025 Soil Results | jblock

MW-RI12
MW-RI13
MW-RI11
23 - 23.5 ft
2
MW-RI51
55 - 60 ft
S Christensen Rd
MW-RI53
46 - 46.5 ft
MW-RI23
20.5 - 21 ft
MW-RI38
19 - 20 ft
MW-RI52
52 - 52.5 ft
W Castle St
MW-RI39
61 - 61.5 ft
MW-RI07
10.5 - 11 ft
MW-RI50
58.5 - 59 ft
W McFarlane Rd
S Graham Rd
MW-RI40
46.5 - 47 ft
AFFF Area 3/Aircraft Crash Location (SS008P)

VICINITY MAP



**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Surface Drainage

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 495 990 1,980

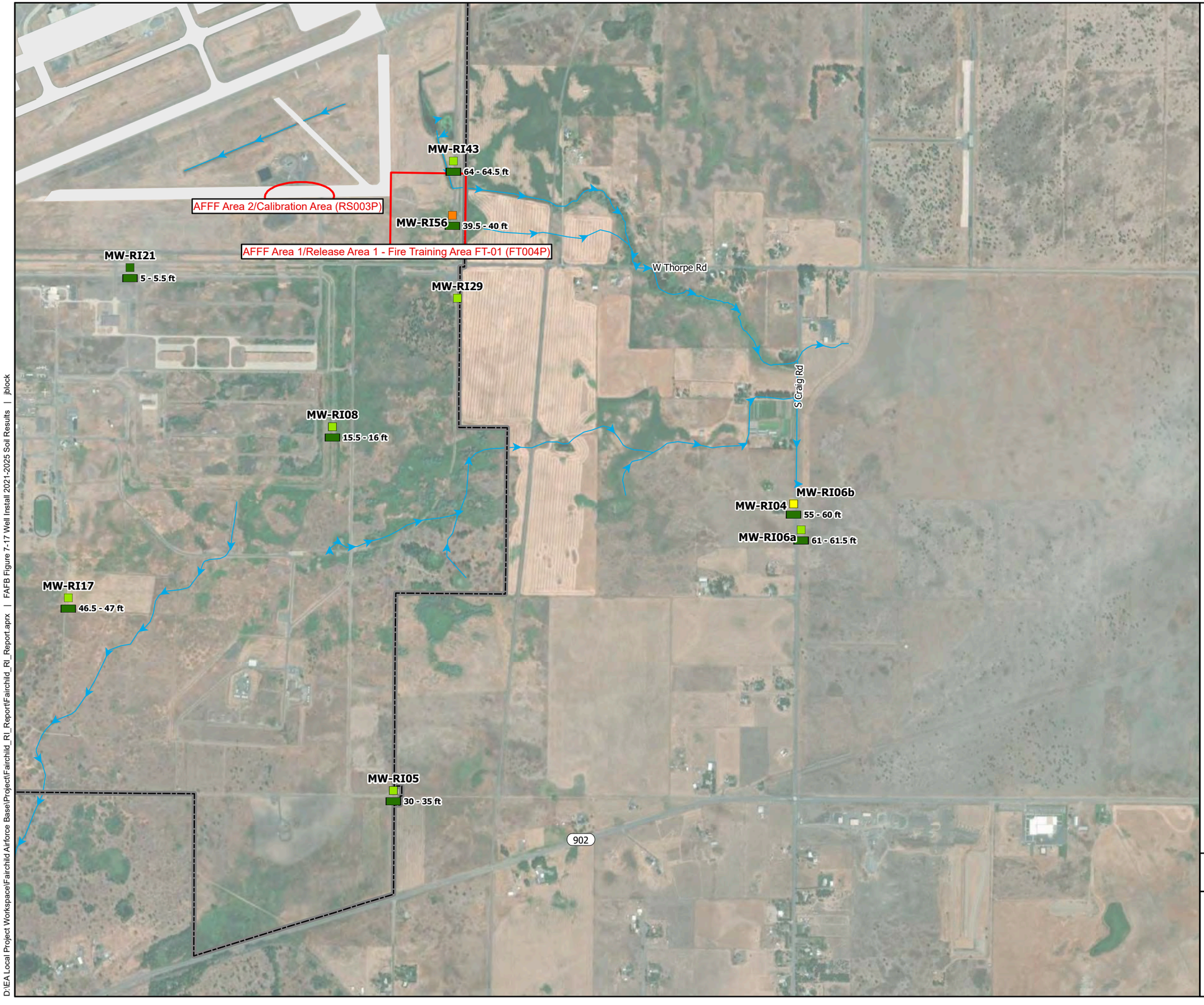
US Feet

**For Official Use Only** Date: 7/30/2025

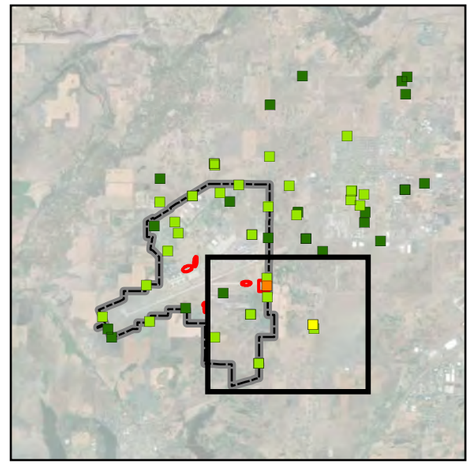
United States Air Force
Fairchild AFB, Washington

**Figure 7-17d: Well Installations 2021-2025 Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-17 Well Install 2021-2025 Soil Results | jblock




VICINITY MAP



**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 500 1,000 2,000

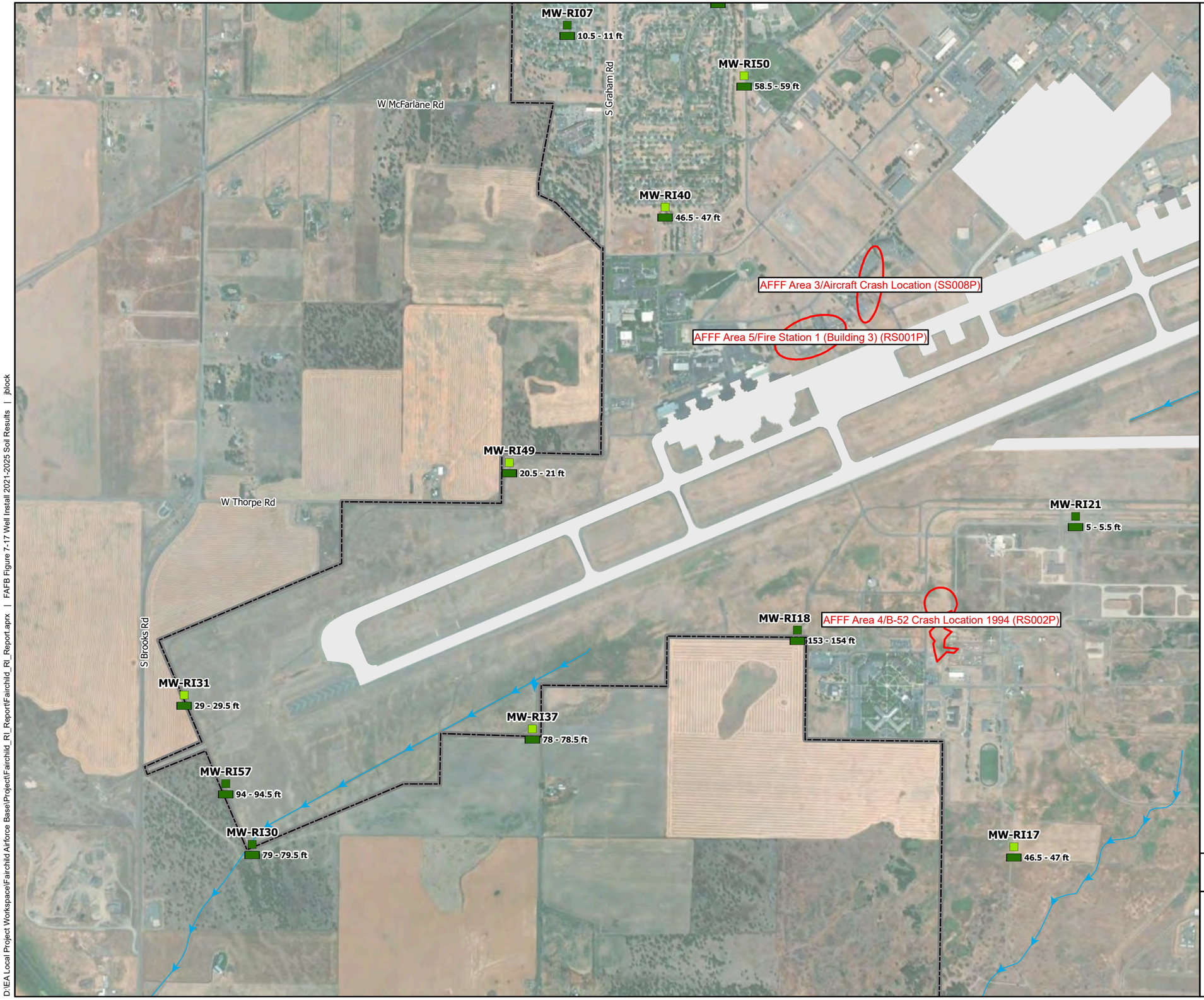
US Feet

**For Official Use Only** Date: 7/30/2025

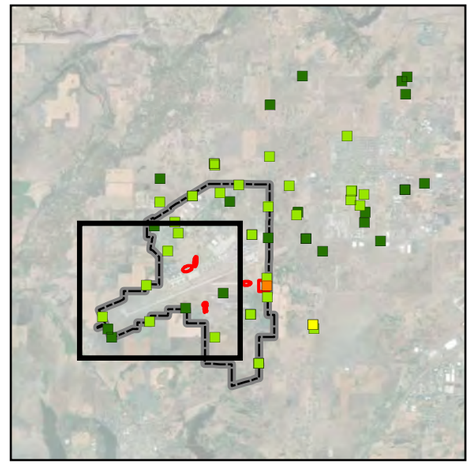
United States Air Force
Fairchild AFB, Washington

**Figure 7-17e: Well Installations 2021-2025 Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-17 Well Install 2021-2025 Soil Results | jblock




VICINITY MAP



**Legend**

Surface Soil (0 - 0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

Subsurface Soil (>0.5 ft bgs), PFOS
- Not Detected at the Limit of Detection
- <0.013 mg/kg
- ≥0.013 - <0.130 mg/kg
- ≥0.130 - <1.300 mg/kg
- ≥1.30 - <13.00 mg/kg
- ≥13.00 mg/kg

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

Surface Drainage

mg/kg = milligram(s) per kilogram
Project Screening Level (PSL) for PFOS = 0.013 mg/kg
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 500 1,000 2,000

US Feet

**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

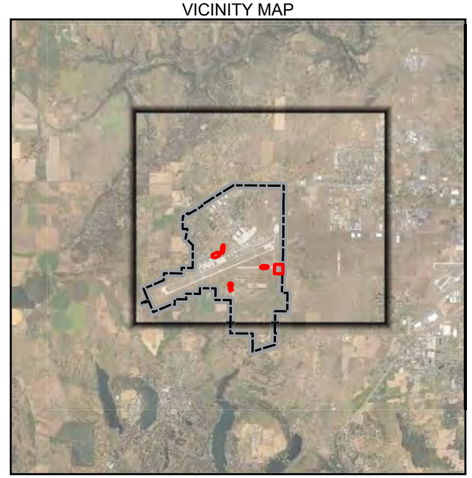
**Figure 7-17f: Well Installations 2021-2025 Surface and Subsurface Soil Sampling Results**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-17 Well Install 2021-2025 Soil Results | jblock

N

MW-RI10
MW-RI12
MW-RI11
MW-540
MW-543
MW-326
MW-539
MW-039
MW-RI20
MW-422
MW-279
MW-RI23
MW-564
MW-RI52
MW-424
MW-313
MW-278
DP064-MW-01
MW-276
MW-565
MW-434
MW-433
MW-RI22
MW-RI39
MW-197
MW-RI07
MW-310
MW-353
MW-RI50
MW-534
MW-RI58
MW-RI02
MW-069
2160-MW-12
SS009-MW-03
MW-516
MW-RI40
MW-295
MW-RI03
MMW-1024-3
2035-MW-12
MW-102
MW-102*
MW-401
MW-245A
SS008P
MW-289
MW-245A*
MW-384
MMW-1028-4
OW-3
MW-003
MW-232
MW-257
MW-RI49
RS001P
MW-055
MW-003*
MW-RI43
MW-RI49*
RS003P
MW-177
MW-RI56
MW-166
MW-RI21
DP024-MW-01
MW-050
No Name Ditch
1212-MW-16
1212-MW-16*
FT004P
MW-151
MW-RI29
RS002P
MW-RI29*
1212-MW-10
MW-RI08
Flowage Easement
MW-RI37
MW-RI06
WP036-MW04S
WP036-MW04S*
MW-RI57
MW-RI06*
MW-RI30
MW-RI17

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition

- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Approximate Direction of Groundwater Flow

Note: Well locations with an asterisk denote a field duplicate sample.

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

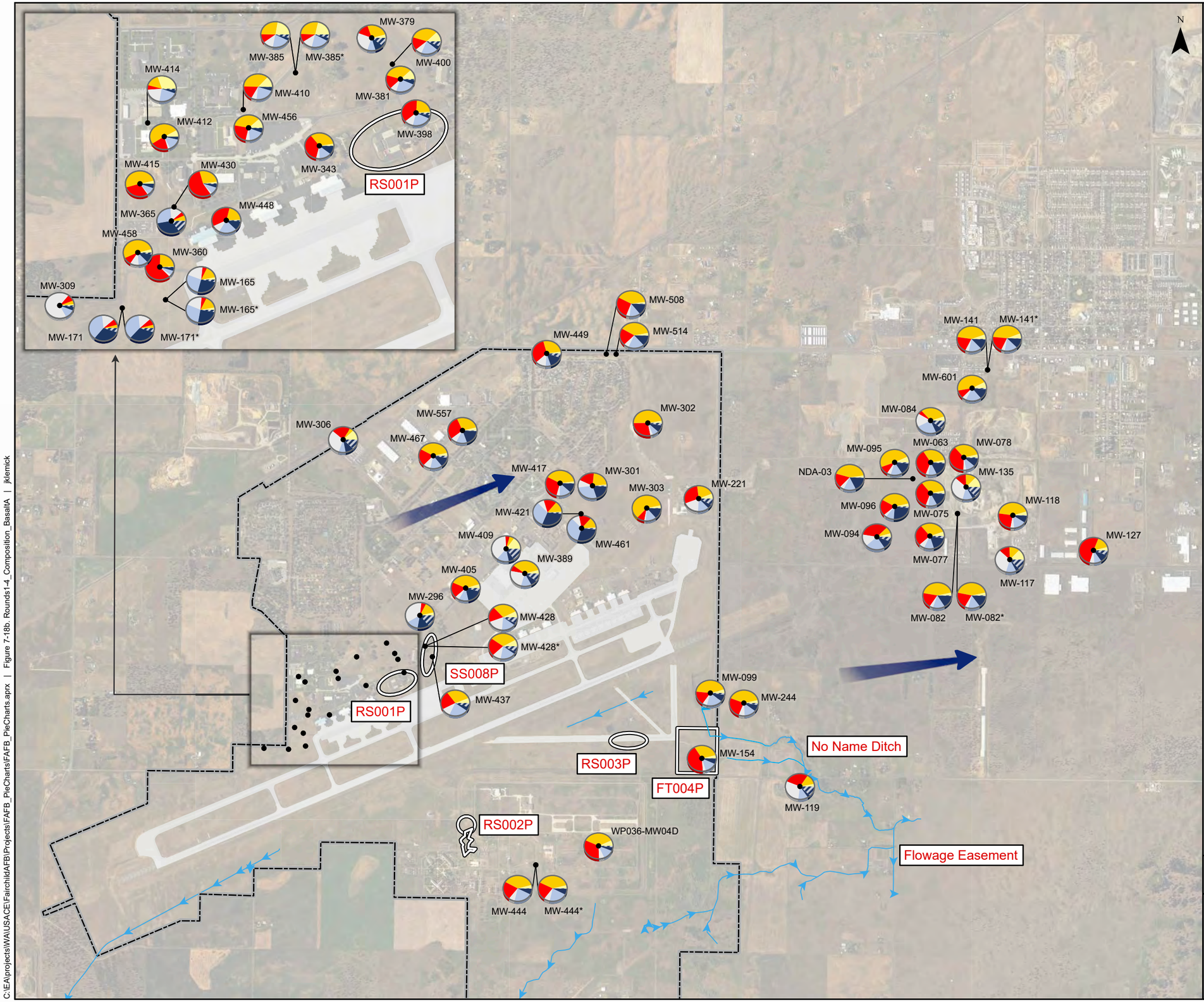
0 1,200 2,400 4,800
US Feet

**For Official Use Only** Date: 7/30/2025

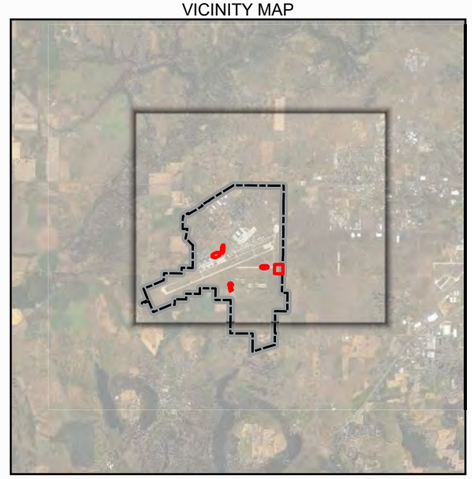
United States Air Force
Fairchild AFB, Washington

**Figure 7-18a: PFAS Composition, Rounds 1-4, Unconsolidated Deposits Aquifer**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_PieCharts\FAFB_PieCharts.aprx | Figure 7-18a. Rounds1-4_Composition_Unconsolidated | jklemick




VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition

- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Approximate Direction of Groundwater Flow

Note: Well locations with an asterisk denote a field duplicate sample.

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 1,000 2,000 4,000
US Feet

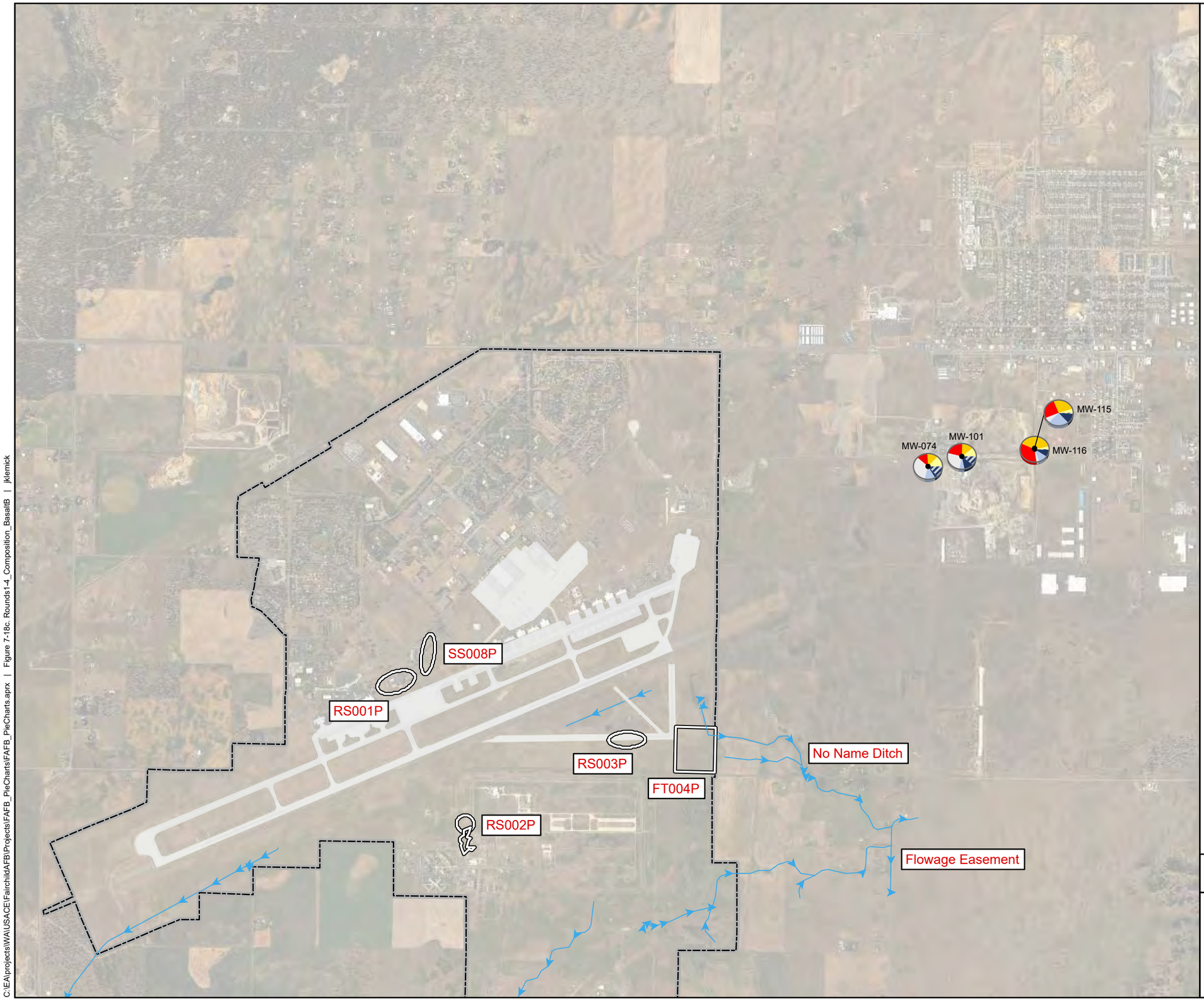
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

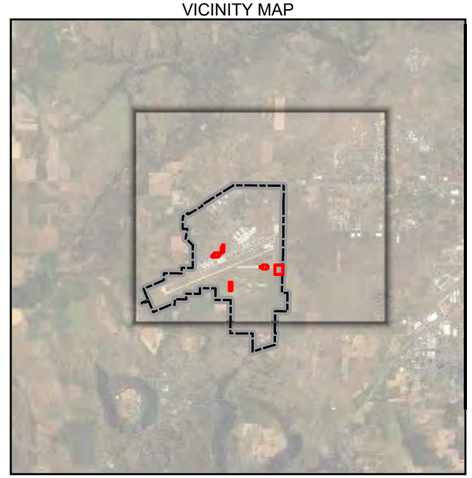
**Figure 7-18b: PFAS Composition, Rounds 1-4, Basalt A Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_PieCharts\FAFB_PieCharts.aprx | Figure 7-18b. Rounds1-4_Composition_BasaltA | jklemick




VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition



- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Note: This map does not show an approximate direction of groundwater flow for seasonal low conditions in Basalt B due to a lack of groundwater elevation data.

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,000 2,000 4,000

US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-18c: PFAS Composition, Rounds 1-4, Basalt B Aquifer**

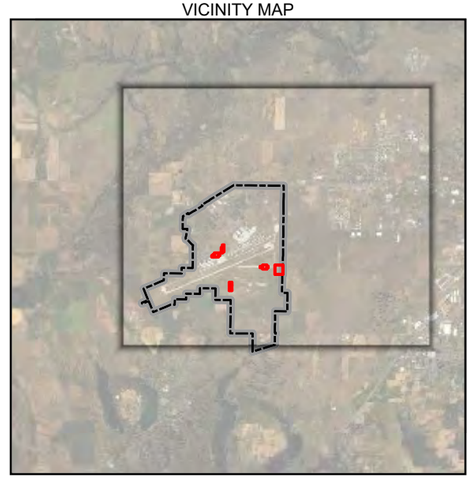
Fairchild AFB
Phase I PFAS Remedial Investigation

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N

MW-RI10
MW-RI10*
MW-RI36
MW-543
MW-RI20
MW-RI60
MW-RI38
MW-RI23
MW-RI52
MW-313
MW-RI26
MW-RI55
MW-RI54
MW-RI22
MW-RI25
MW-RI39
MW-RI07
MW-RI50
MW-324
MW-069
MW-RI58
MW-RI02
2160-MW-12
MW-RI03
MW-RI40
MMW-1012-3
MMW-1012-3*
SS008P
MW-535
MW-289
MMW-1012-4
MW-384
RS001P
RS003P
MW-RI43
MW-257
MW-RI49
MW-RI49*
MW-RI56
No Name Ditch
MW-RI21
MW-RI21*
MW-RI29
FT004P
MW-RI29*
MW-RI18
RS002P
WP036-MW01S
1212-MW-16
Flowage Easement
MW-RI37
MW-RI06a
MW-RI57
MW-RI17
MW-RI30
MW-RI30*

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition

- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Approximate Direction of Groundwater Flow

Note: Well locations with an asterisk denote a field duplicate sample.

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 1,250 2,500 5,000
US Feet

**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

**Figure 7-19a: PFAS Composition, Round 5, Unconsolidated Deposits Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_PieCharts\FAFB_PieCharts.aprx | Figure 7-19a. Round5_Composition_Unconsolidated | jklemick

N

MW-RI32

MW-RI59

MW-RI13

MW-508

MW-508*

MW-141

MW-RI16

MW-467

MW-301

MW-RI41

MW-078

MW-075

MW-127

MW-RI15

MW-RI42

MW-RI42*

MW-190

SS008P

MW-343

MW-430

RS001P

MW-171

RS003P

MW-154

FT004P

No Name Ditch

RS002P

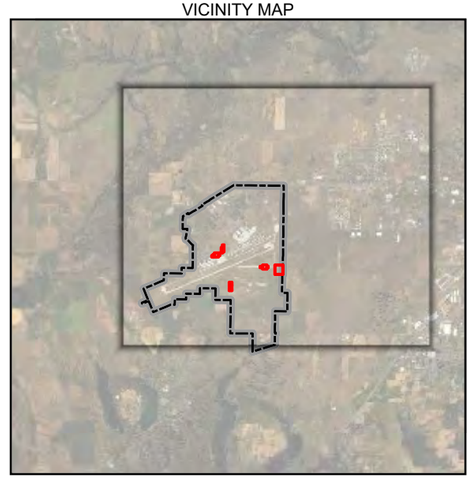
MW-444

Flowage Easement

MW-RI04

MW-RI05

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition



- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Approximate Direction of Groundwater Flow

Note: Well locations with an asterisk denote a field duplicate sample.

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 1,250 2,500 5,000
US Feet

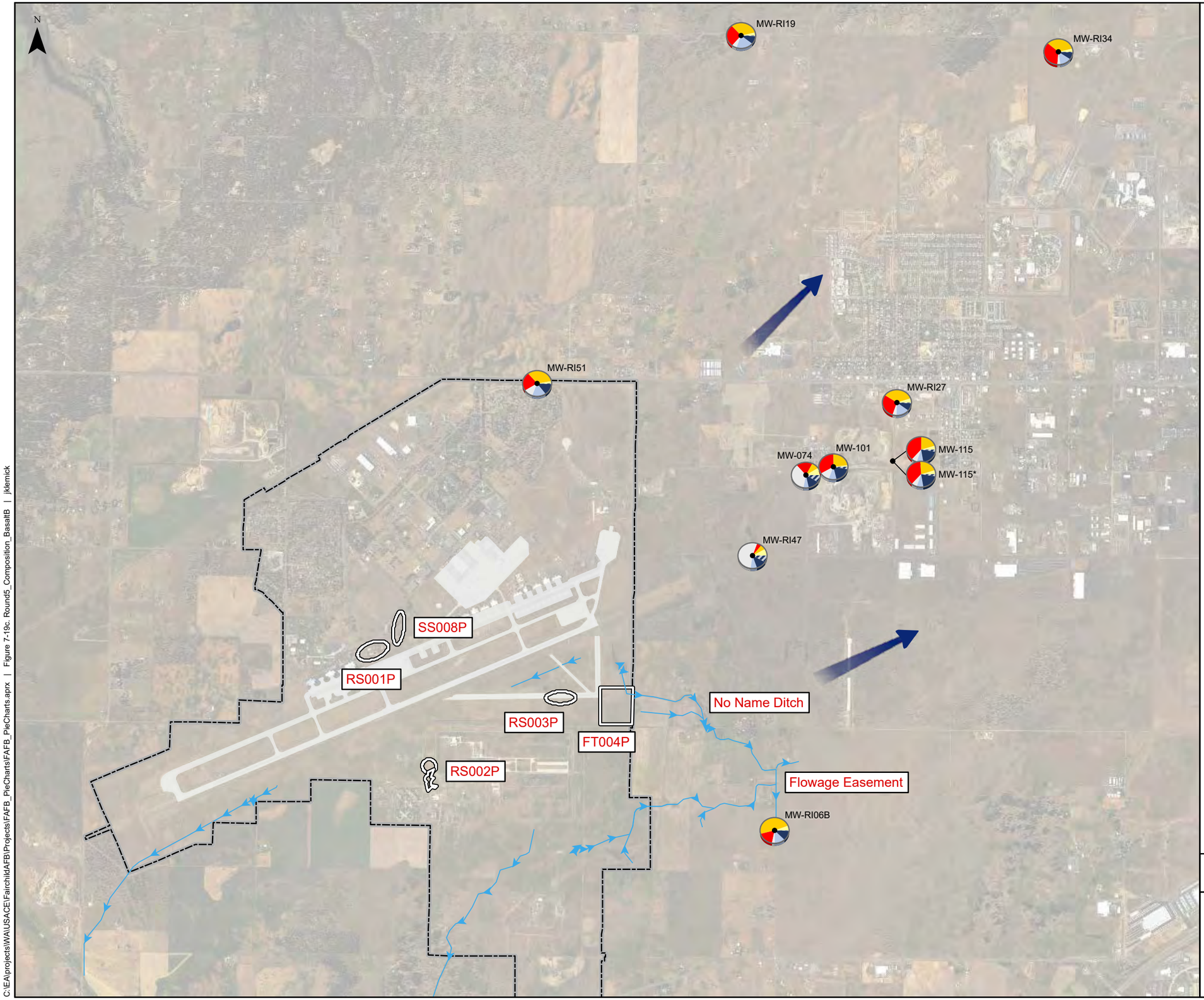
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

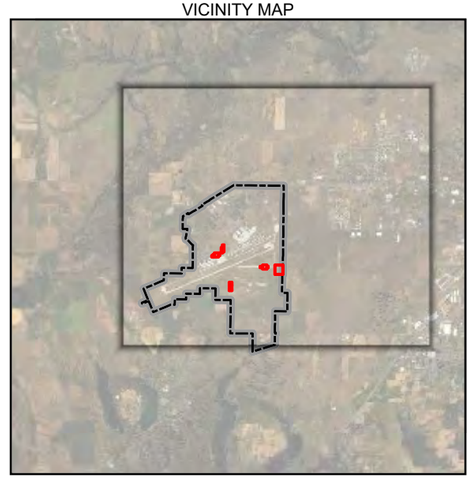
**Figure 7-19b: PFAS Composition, Round 5, Basalt A Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\EA\projects\WAIUSACE\FairchildAFB\Projects\FAFB_PieCharts\FAFB_PieCharts.aprx | Figure 7-19b. Round5_Composition_BasaltA | jklemick




VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition



- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Approximate Direction of Groundwater Flow

Note: Well locations with an asterisk denote a field duplicate sample.

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 1,250 2,500 5,000
US Feet

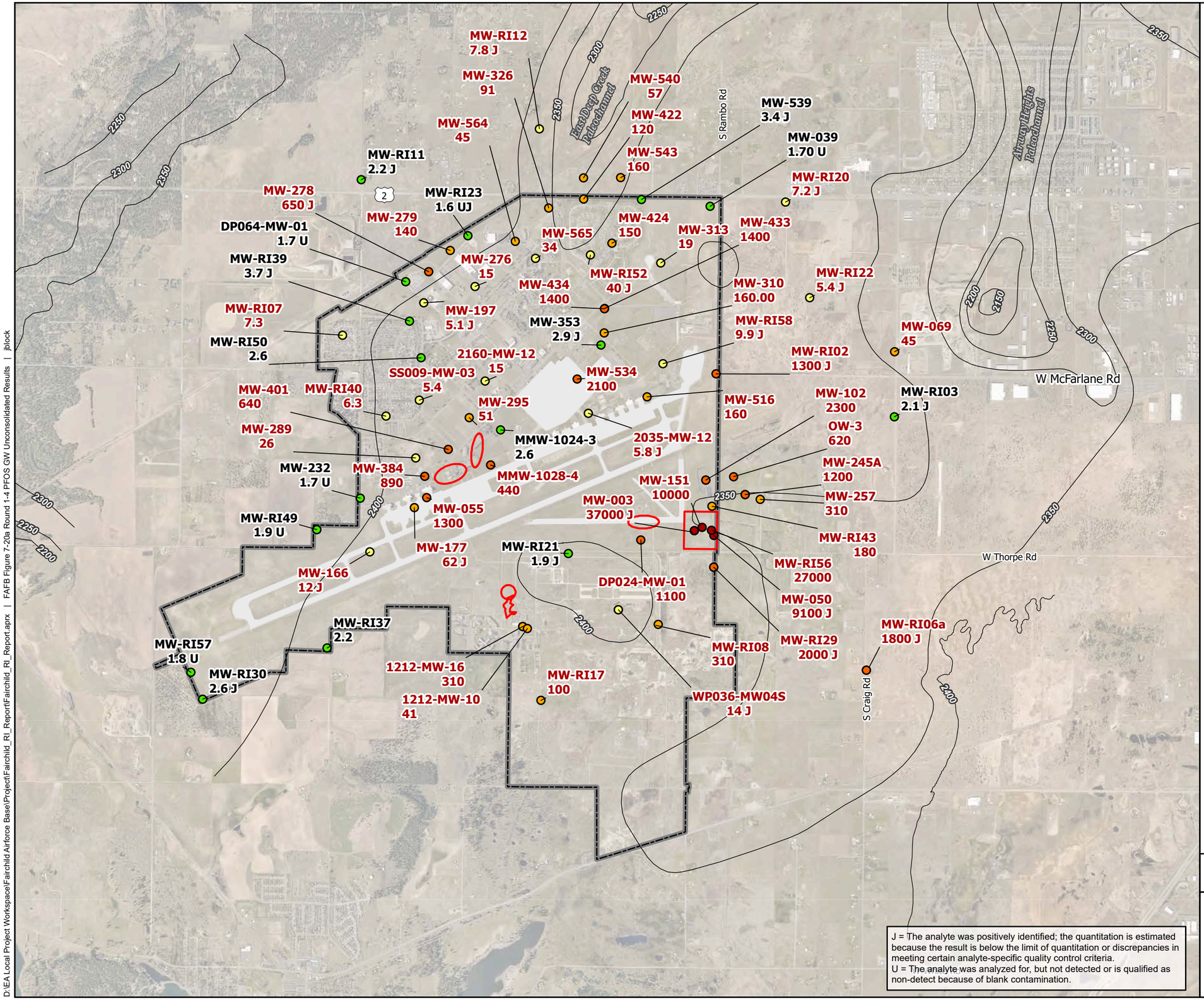
**For Official Use Only** Date: 6/19/2025

United States Air Force
Fairchild AFB, Washington

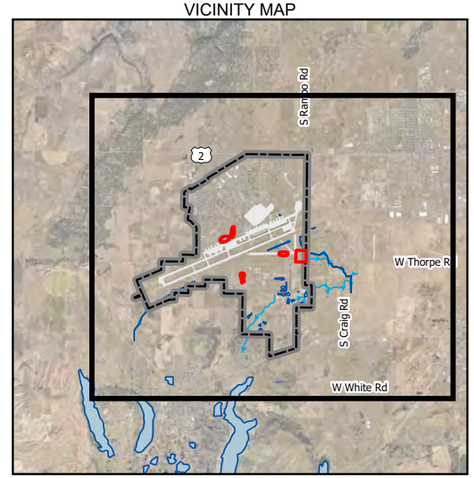
**Figure 7-19c: PFAS Composition, Round 5, Basalt B Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_PieCharts\FAFB_PieCharts.aprx | Figure 7-19c. Round5_Composition_BasaltB | jklemick




VICINITY MAP




**Legend**

Round 1-4 Groundwater Sampling Results (Unconsolidated Deposits Aquifer), PFOS

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L (max value 37000)
- ≥40000 ng/L
- Paleochannel Elevation Contour (Elevations in ft AMSL)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

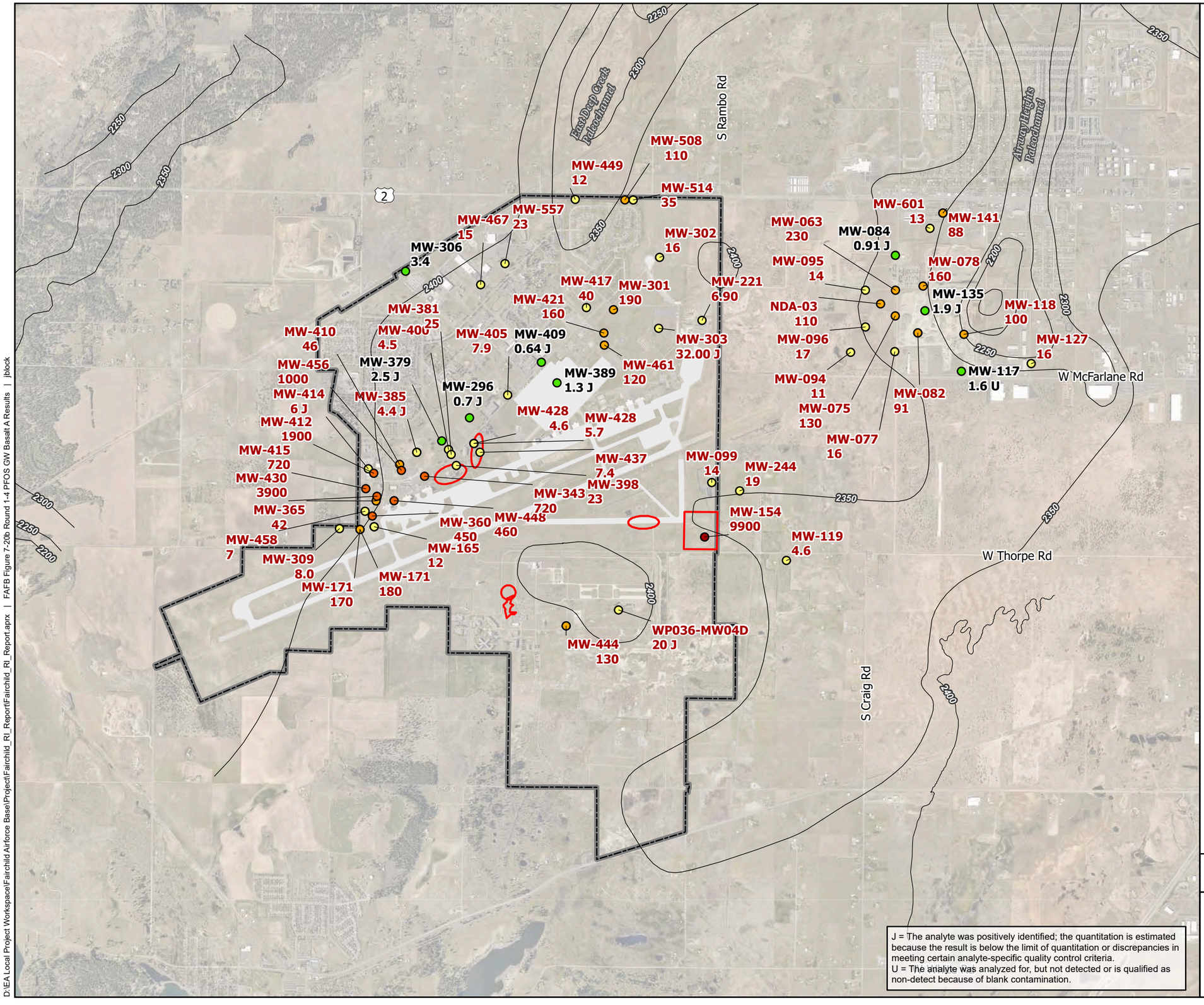
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

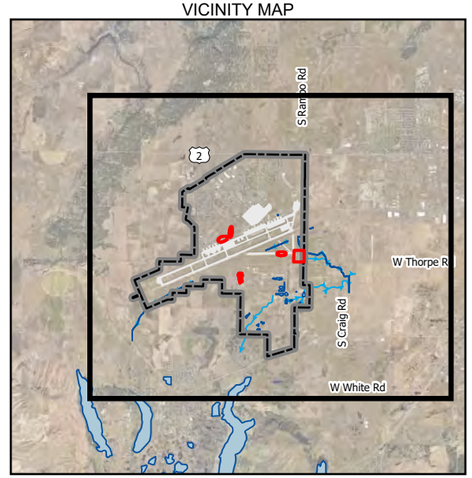
**Figure 7-20a: Round 1 - 4 Groundwater Sample Results (Unconsolidated Deposits Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-20a Round 1-4 PFOS GW Unconsolidated Results | jblock




VICINITY MAP




**Legend**

Round 1 - 4 Groundwater Sampling Results (Basalt A Aquifer), PFOS

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L (max value 9900)
- ≥40000 ng/L

Paleochannel Elevation Contour (Elevations in ft AMSL)

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.
U = The analyte was analyzed for, but not detected or is qualified as non-detect because of blank contamination.

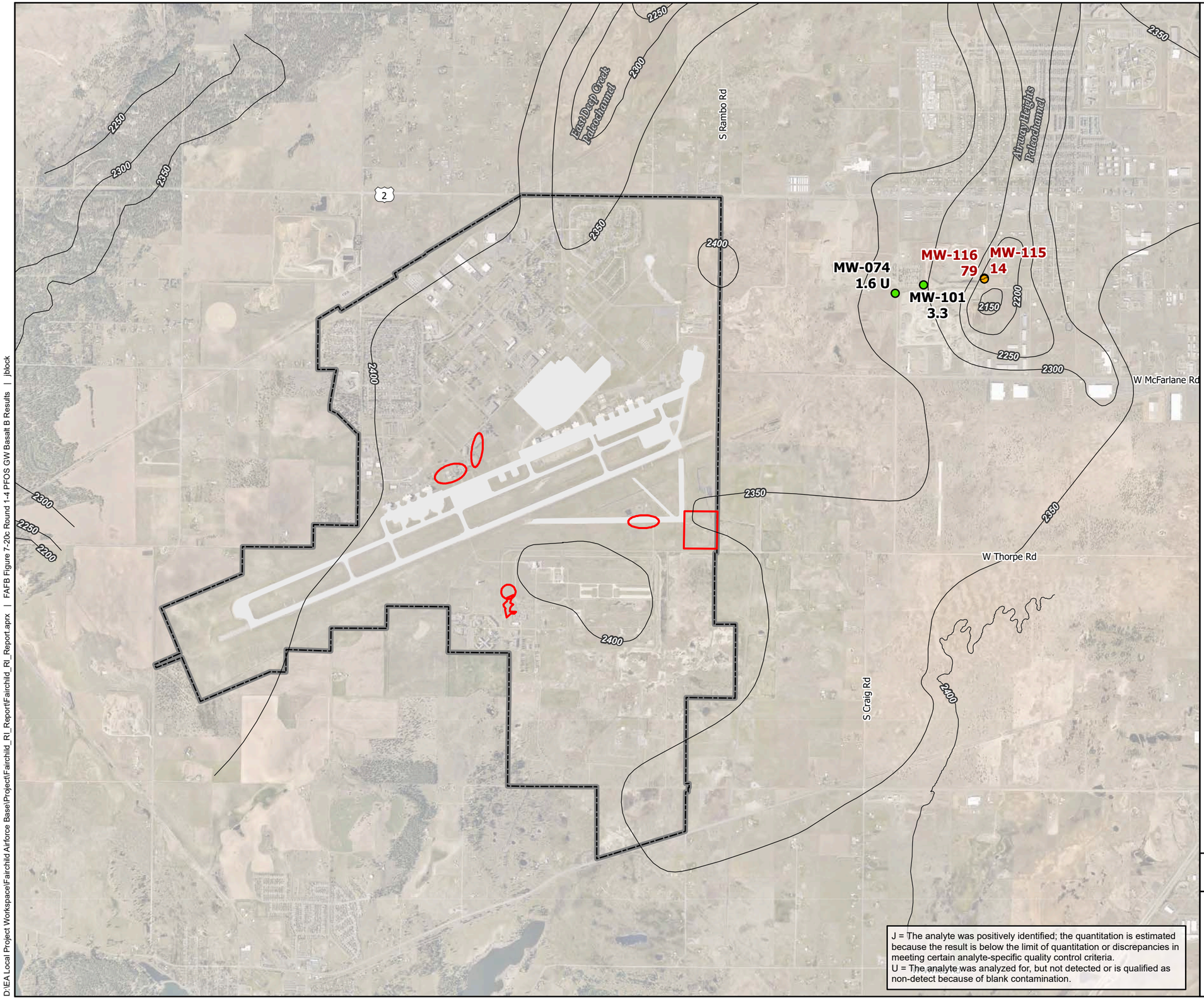
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

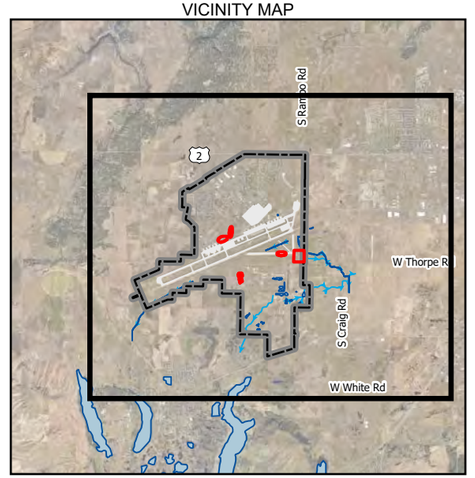
**Figure 7-20b: Round 1 - 4 Groundwater Sample Results (Basalt A Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-20b Round 1-4 PFOS GW Basalt A Results | jblock




VICINITY MAP




**Legend**

Round 1 - 4 Groundwater Sampling Results (Basalt B Aquifer), PFOS

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L (max value 79)
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L

Paleochannel Elevation Contour (Elevations in ft AMSL)

AFFF Release Areas Addressed by Phase 1 RI

Fairchild AFB Installation Boundary

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.
U = The analyte was analyzed for, but not detected or is qualified as non-detect because of blank contamination.

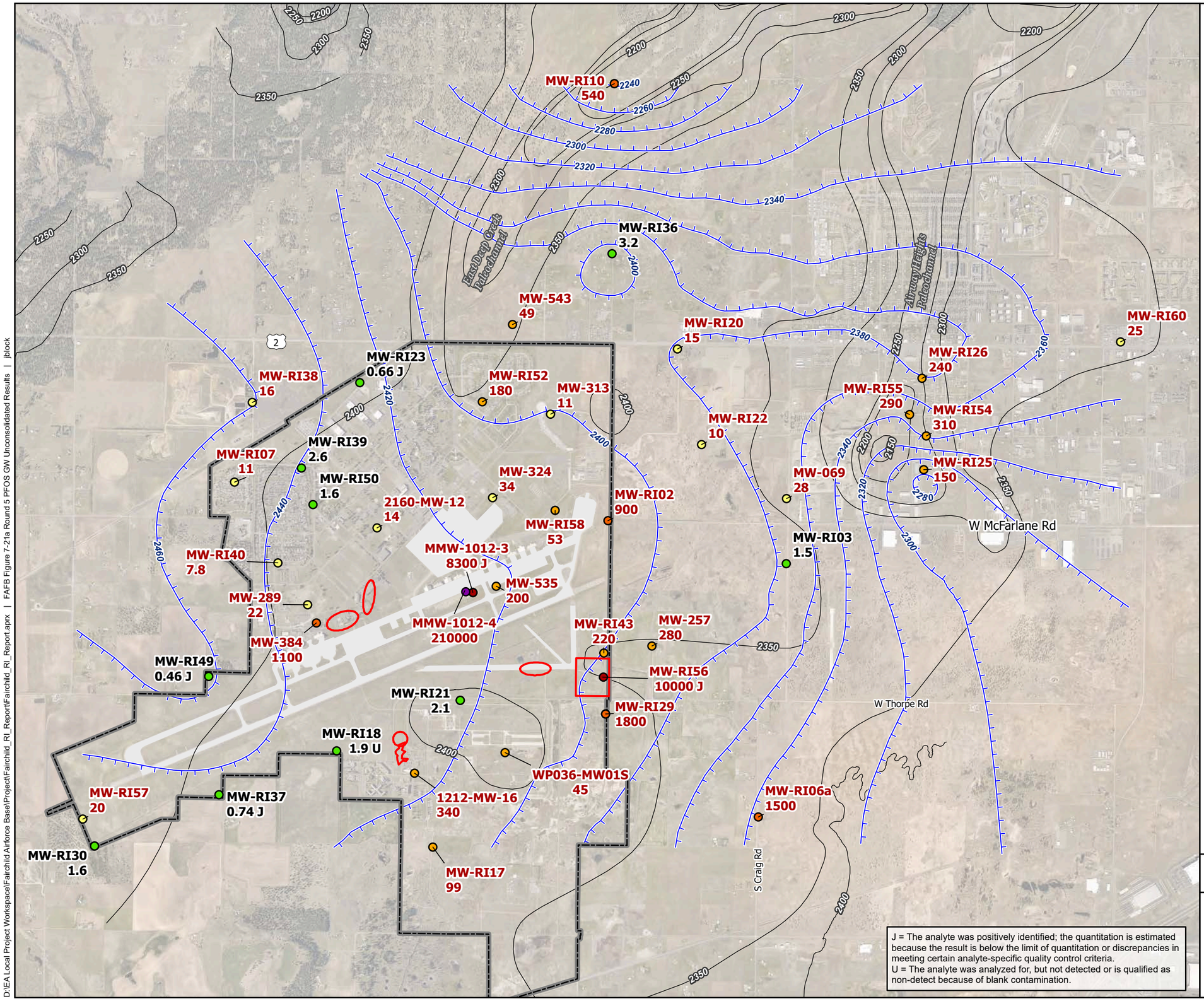
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

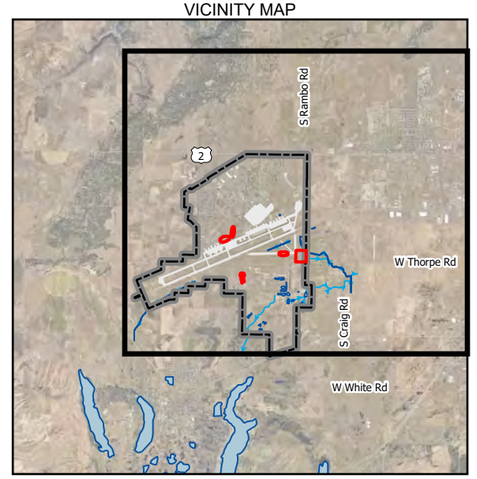
**Figure 7-20c: Round 1 - 4 Groundwater Sample Results (Basalt B Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-20c Round 1-4 PFOS GW Basalt B Results | jblock




VICINITY MAP




**Legend**

Round 5 Groundwater Sampling Results (Unconsolidated Deposits Aquifer), PFOS

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L
- ≥40000 ng/L (max value 210000)
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (January 2025, Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

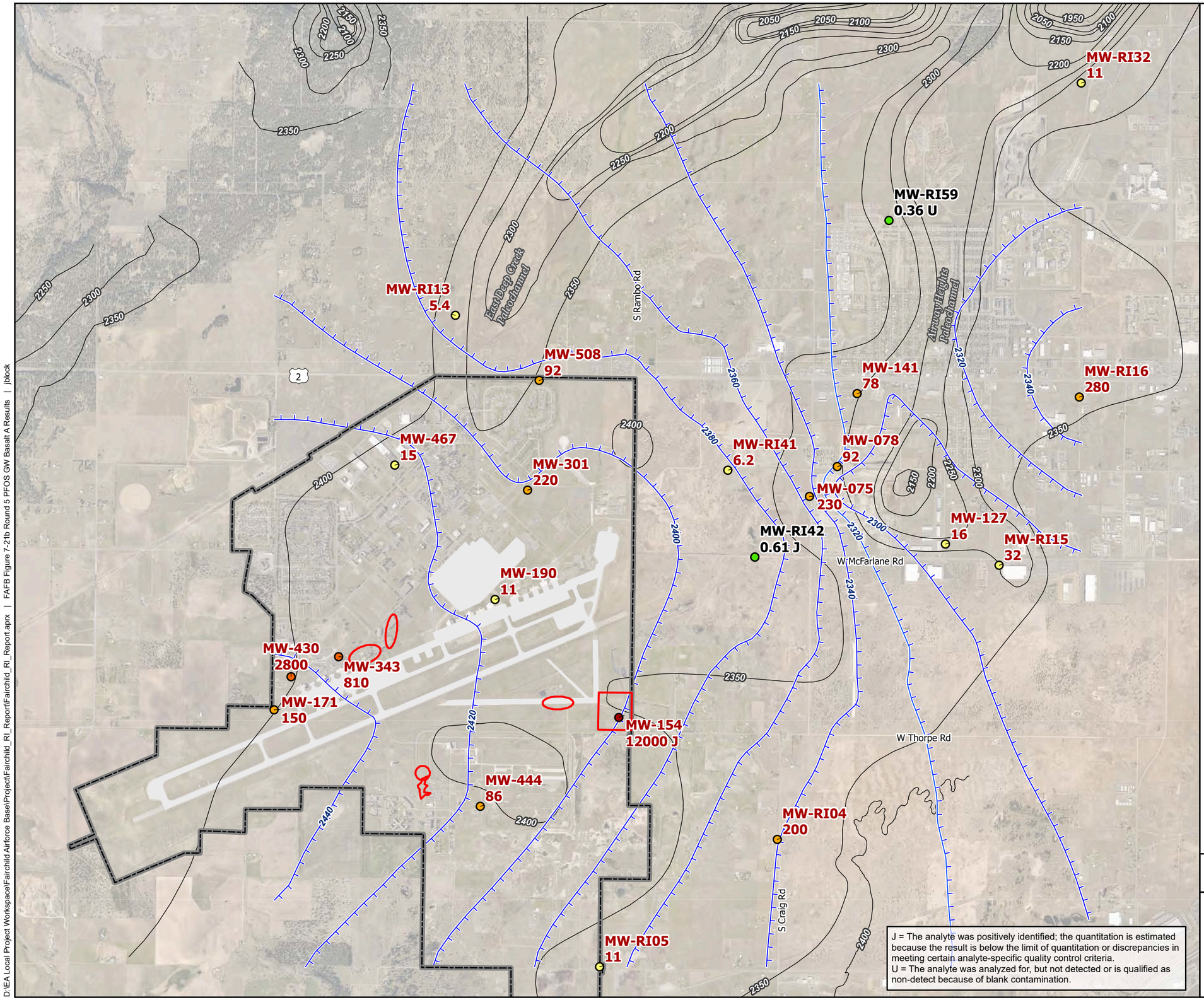
J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.
U = The analyte was analyzed for, but not detected or is qualified as non-detect because of blank contamination.

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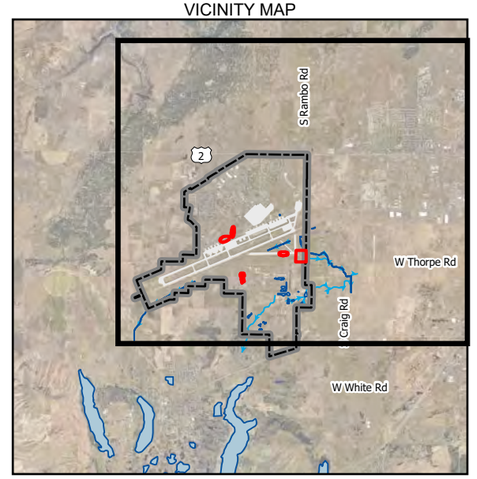
United States Air Force
Fairchild AFB, Washington

**Figure 7-21a: Round 5 Groundwater Sample Results (Unconsolidated Deposits Aquifer)**
Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-21a Round 5 PFOS GW Unconsolidated Results | jblock




VICINITY MAP




**Legend**

Round 5 Groundwater Sampling Results (Basalt A Aquifer), PFOS

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L
- ≥4000 - <40000 ng/L (max value 12000)
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (January 2025, Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

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United States Air Force
Fairchild AFB, Washington

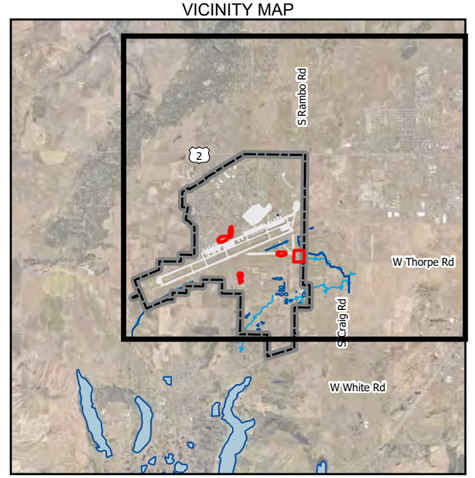
**Figure 7-21b: Round 5 Groundwater Sample Results (Basalt A Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-21b Round 5 PFOS GW Basalt A Results | jblock

MW-RI19
180
MW-RI34
410
MW-RI51
13
MW-RI27
110
MW-101
4.1
MW-115
8.1
MW-074
0.78 J
MW-RI47
0.24 J
MW-RI06B
200
2
S Rambo Rd
W McFarlane Rd
W Thorpe Rd
S Craig Rd
East Deep Creek Paleochannel
Airway Heights Paleochannel
2050
2070
2090
2110
2130
2150
2170
2190
2210
2230
2250
2270
2290
2310
2330
2350
2370
2390
2400
2000
2100
2150
2200
2250
2300
2350

VICINITY MAP




**Legend**

Round 5 Groundwater Sampling Results (Basalt B Aquifer), PFOS

- <4.0 ng/L
- ≥4.0 - <40 ng/L
- ≥40 - <400 ng/L
- ≥400 - <4000 ng/L (max value 410)
- ≥4000 - <40000 ng/L
- ≥40000 ng/L
- AFFF Release Areas Addressed by Phase 1 RI
- Fairchild AFB Installation Boundary
- Potentiometric Surface Contour (January 2025, Elevation in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

***Red text indicates a sample results exceedance**

Sample results are reported in ng/L

ng/L = nanogram(s) per liter
Project Screening Level (PSL) for PFOS = 4 ng/L
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

N

0 1,250 2,500 5,000

US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-21c: Round 5 Groundwater Sample Results (Basalt B Aquifer)**

Fairchild AFB
Phase I PFAS Remedial Investigation

J = The analyte was positively identified; the quantitation is estimated because the result is below the limit of quantitation or discrepancies in meeting certain analyte-specific quality control criteria.
U = The analyte was analyzed for, but not detected or is qualified as non-detect because of blank contamination.

D:\EA Local Project Workspace\Fairchild Airforce Base\Project\Fairchild_RI_Report\Fairchild_RI_Report.aprx | FAFB Figure 7-21c Round 5 PFOS GW Basalt B Results | jblock

N

East Deep Creek Paleochannel

Airway Heights Paleochannel

SS008P

Hangar 1012

RS001P

RS003P

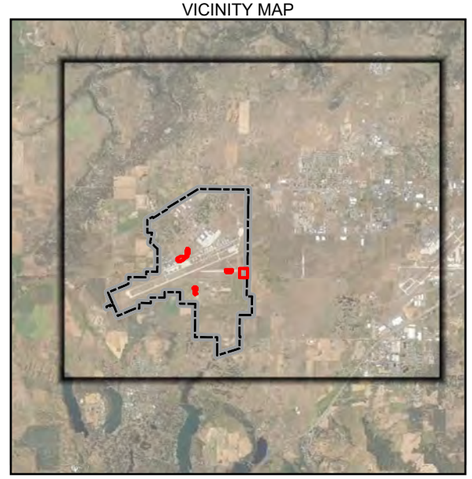
No Name Ditch

FT004P

RS002P

See Figure 7-22b for Detail

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOS Concentrations (ng/L)

- <4.0
- ≥4.0 - <40
- ≥40 - <400
- ≥400 - <4,000
- ≥4,000 - <40,000
- ≥40,000 - <400,000 (Max Value: 210,000)

PFOS Isocontours (ng/L)

- 4
- 40
- 400
- 4,000
- 40,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 2,000 4,000 8,000
US Feet

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United States Air Force
Fairchild AFB, Washington

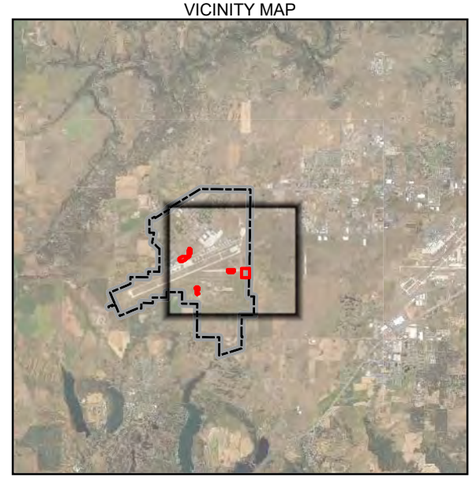
**Figure 7-22a: All Groundwater Grab and Monitoring Well Sampling Results, Unconsolidated Deposits Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WAIUSACE\FairchildAFB\Projects\FAFB_Isocontours\FAFB_Isocontours.aprx | Figure 7-22a_Round 1-5 PFOS Isocontours, Unconsolidated | jklemick

SS008P
Hangar 1012
RS001P
RS003P
FT004P
No Name Ditch
RS002P
2400
2350
N

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOS Concentrations (ng/L)

- <4.0
- ≥4.0 - <40
- ≥40 - <400
- ≥400 - <4,000
- ≥4,000 - <40,000
- ≥40,000 - <400,000 (Max Value: 210,000)

PFOS Isocontours (ng/L)

- 4
- 40
- 400
- 4,000
- 40,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 500 1,000 2,000
US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-22b: All Groundwater Grab and Monitoring Well Sampling Results, Unconsolidated Deposits Aquifer (detail)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WAUSACE\FairchildAFB\Projects\FAFB_Isocontours\FAFB_Isocontours.aprx | Figure 7-22b. Round 1-5 PFOS Isocontours, Unconsolidated (detail) | jklemick

N

East Deep Creek Paleochannel

Airway Heights Paleochannel

SS008P

RS001P

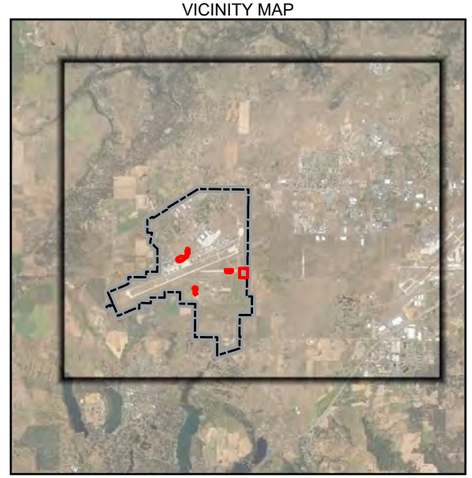
RS002P

RS003P

FT004P

No Name Ditch

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Surface Drainage
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOS Concentrations (ng/L)

- <4.0
- ≥4.0 - <40
- ≥40 - <400
- ≥400 - <4,000
- ≥4,000 - <40,000 (Max Value: 12,000)

PFOS Isocontours (ng/L)

- 4
- 40
- 400
- 4,000
- 40,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 2,000 4,000 8,000
US Feet

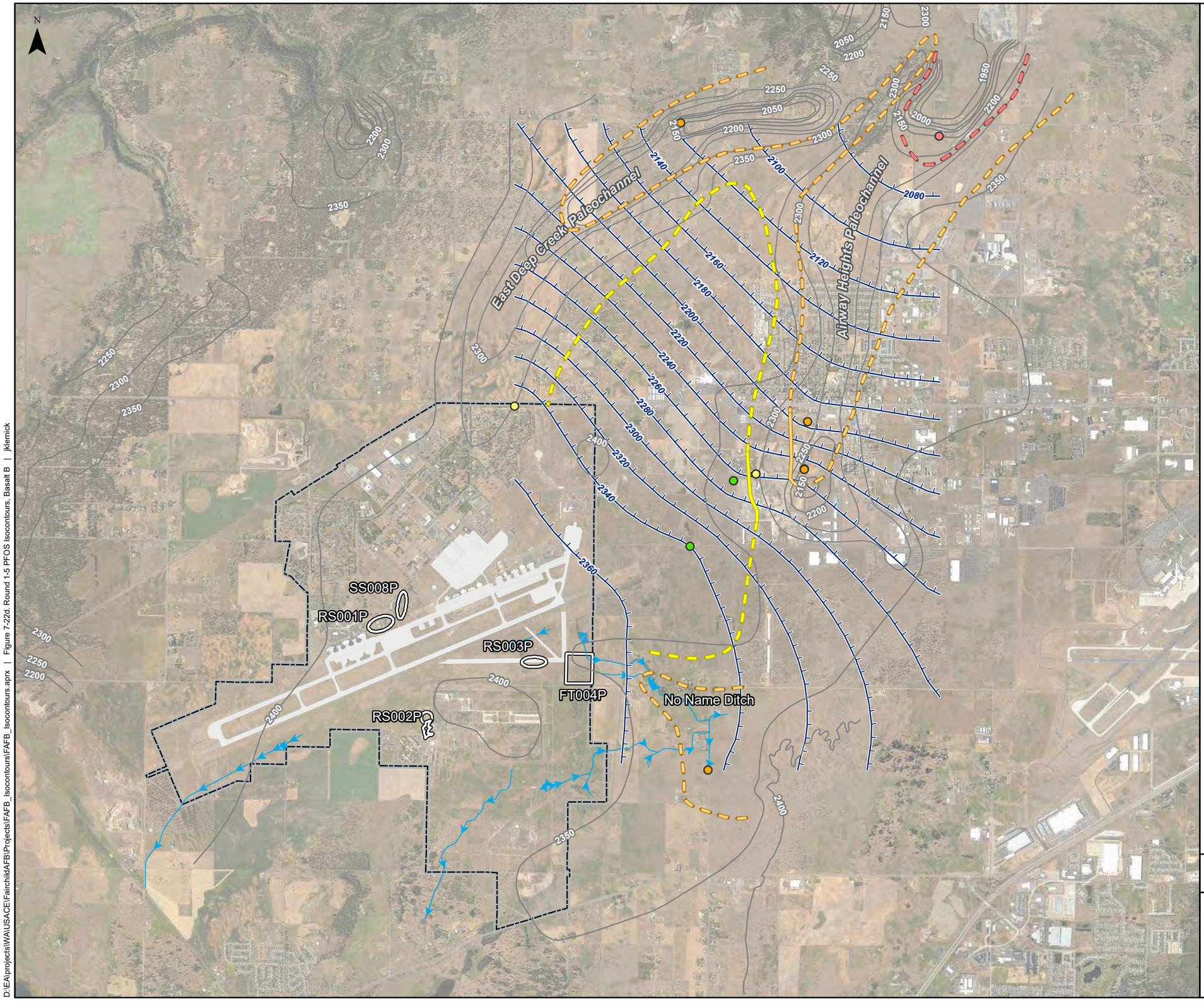
**For Official Use Only** Date: 7/30/2025

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Fairchild AFB, Washington

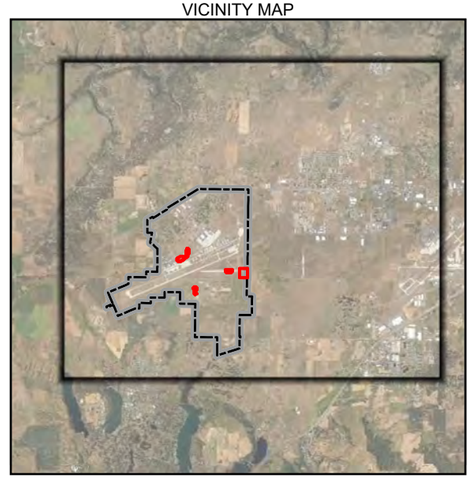
**Figure 7-22c: All Groundwater Grab and Monitoring Well Sampling Results, Basalt A Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_Isocontours\FAFB_Isocontours.aprx | Figure 7-22c. Round 1-5 PFOS Isocontours, Basalt A | jklemick




VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Surface Drainage
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOS Concentration (ng/L)

- <4.0
- ≥4.0 - <40
- ≥40 - <400
- ≥400 - <4,000 (Max Value: 410)

PFOS Isocontours (ng/L)

- 4
- 40
- 400
- 4,000
- 40,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOS = Perfluorooctanesulfonic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 2,000 4,000 8,000
US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-22d: All Groundwater Grab and Monitoring Well Sampling Results, Basalt B Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

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N

East Deep Creek Paleochannel

Airway Heights Paleochannel

SS008P

Hangar 1012

RS001P

RS003P

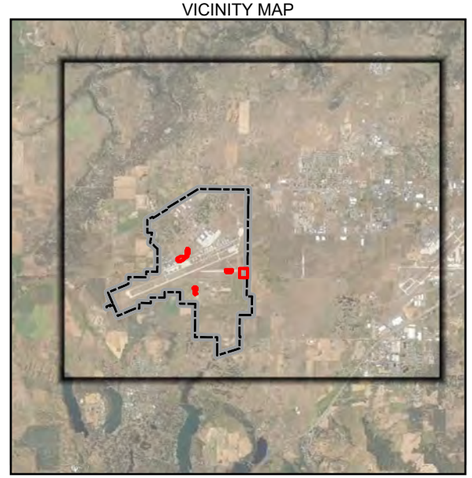
FT004P

No Name Ditch

RS002P

See Figure 7-22f for Detail

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOA Concentrations (ng/L)

- <6.0
- ≥6.0 - <60
- ≥60 - <600
- ≥600 - <6,000
- ≥6,000 - <60,000 (Max Value: 23,000)

PFOA Isocontours (ng/L)

- 6
- 60
- 600
- 6,000
- 60,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOA = Perfluorooctanoic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 2,000 4,000 8,000
US Feet

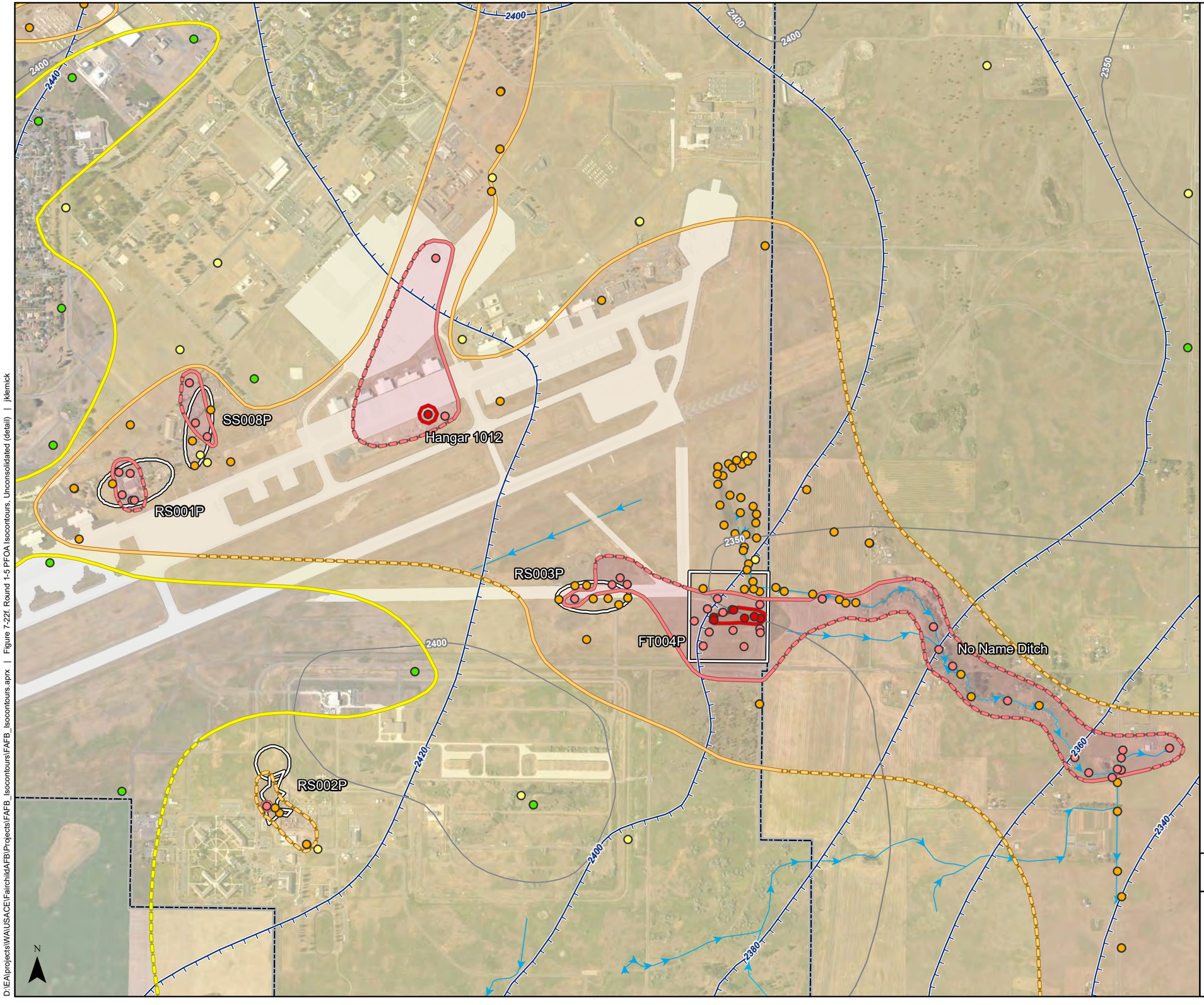
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Fairchild AFB, Washington

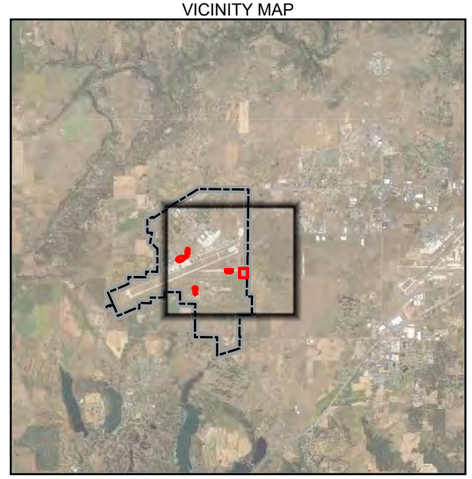
**Figure 7-22e: All Groundwater Grab and Monitoring Well Sampling Results, Unconsolidated Deposits Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WAUSACE\FairchildAFB\Projects\FAFB_Isocontours\FAFB_Isocontours.aprx | Figure 7-22e. Round 1-5 PFOA Isocontours, Unconsolidated | jklemick




VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOA Concentrations (ng/L)

- <6.0
- ≥6.0 - <60
- ≥60 - <600
- ≥600 - <6,000
- ≥6,000 - <60,000 (Max Value: 23,000)

PFOA Isocontours (ng/L)

- 6
- 60
- 600
- 6,000
- 60,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOA = Perfluorooctanoic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 500 1,000 2,000
US Feet

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United States Air Force
Fairchild AFB, Washington

**Figure 7-22f: All Groundwater Grab and Monitoring Well Sampling Results, Unconsolidated Deposits Aquifer (detail)**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_Isocontours\FAFB_Isocontours.aprx | Figure 7-22f. Round 1-5 PFOA Isocontours, Unconsolidated (detail) | jklemick

N

East Deep Creek Paleochannel

Airway Heights Paleochannel

No Name Ditch

SS008P

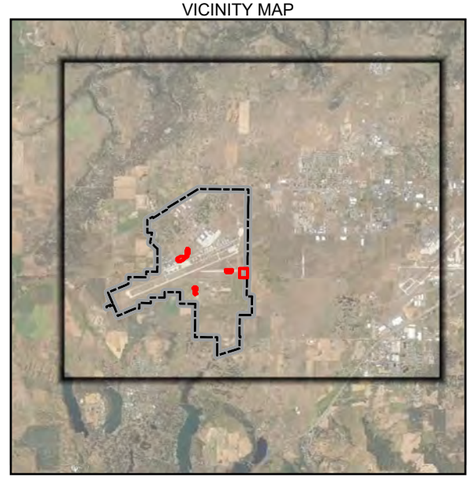
RS001P

RS002P

RS003P

FT004P

VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Surface Drainage
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOA Concentrations (ng/L)

- <6.0
- ≥6.0 - <60
- ≥60 - <600
- ≥600 - <6,000 (Max Value: 1,500)

PFOA Concentrations (ng/L)

- 6
- 60
- 600
- 6,000
- 60,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOA = Perfluorooctanoic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 2,000 4,000 8,000
US Feet

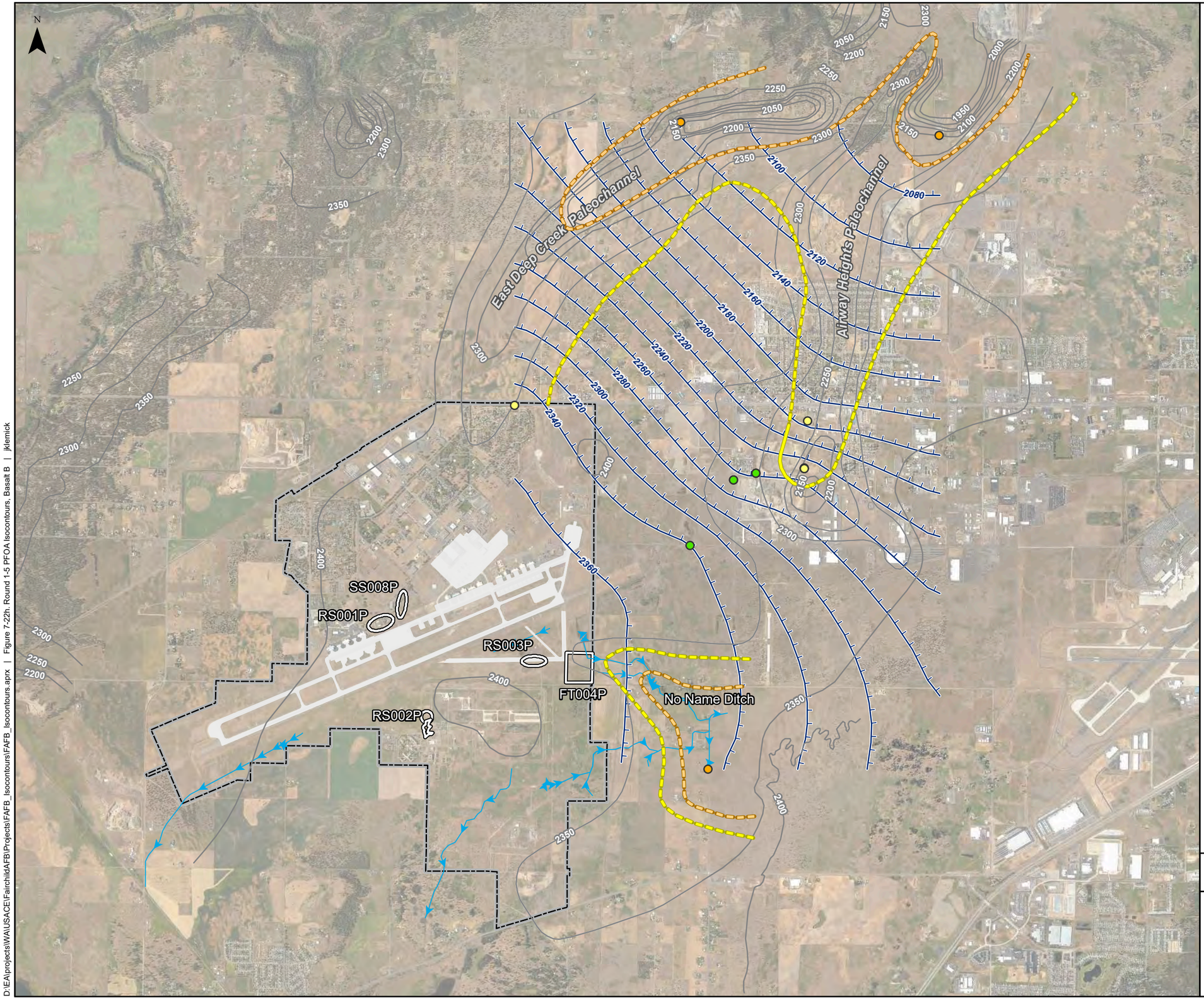
**For Official Use Only** Date: 7/30/2025

United States Air Force
Fairchild AFB, Washington

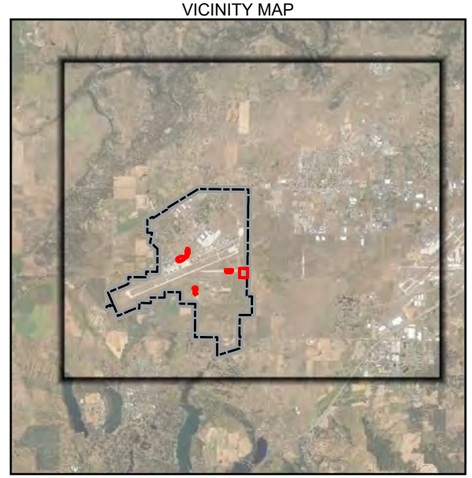
**Figure 7-22g: All Groundwater Grab and Monitoring Well Sampling Results, Basalt A Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

D:\EA\projects\WA\USACE\FairchildAFB\Projects\FAFB_Isocontours\FAFB_Isocontours.aprx | Figure 7-22g Round 1-5 PFOA Isocontours, Basalt A | jklemick




VICINITY MAP



## Legend

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Potentiometric Surface Contour, January 2025 (20' Interval, Elevations in ft AMSL)
- Surface Drainage
- Paleochannel Elevation Contour (Elevations in ft AMSL)

PFOA Concentration (ng/L)

- <6.0
- ≥6.0 - <60
- ≥60 - <600 (Max Value: 130)

PFOA Concentrations (ng/L)

- 6
- 60
- 600
- 6,000
- 60,000

Notes:
1. Isocontours are dashed where inferred.
2. Isoconcentrations are depicted as generalized trends that are inclusive of lower individual results in order to depict the maximum spatial extent of each exceedance level.

ft AMSL = feet above mean sea level
ng/L = nanogram(s) per liter
PFAS = Per- and polyfluoroalkyl substances
PFOA = Perfluorooctanoic acid
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 2,000 4,000 8,000
US Feet

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Fairchild AFB, Washington

**Figure 7-22h: All Groundwater Grab and Monitoring Well Sampling Results, Basalt B Aquifer**

Fairchild AFB
Phase I PFAS Remedial Investigation

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N

SB-KC13502

SS008P

RS001P

SB-RA511

SB-RA204

SB-RA103

NND-27

No Name Ditch

RS003P

FT004P

NND-77

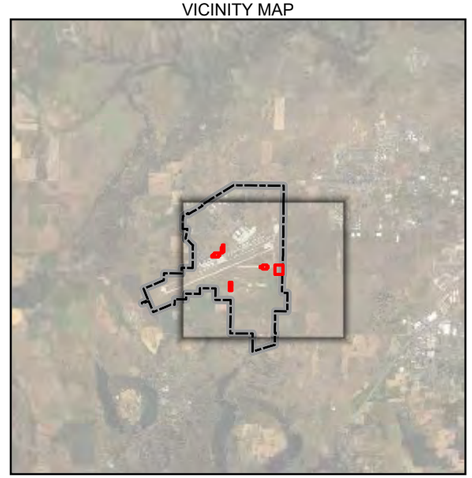
NND-65

RS002P

SB-B5206

Flowage Easement

VICINITY MAP



**Legend**

- Fairchild AFB Installation Boundary
- AFFF Release Areas Addressed by Phase I RI
- Surface Drainage
- Well Location

Groundwater PFAS Composition

- Perfluorobutanesulfonic acid (PFBS)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorobutanoic acid (PFBA)
- Perfluorohexanoic acid (PFHxA)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)

Approximate Direction of Groundwater Flow

Notes:
1. Pie charts shown for each release area represent the sample with the highest PFOS concentration.
2. No Name Ditch also displays a representative sample for surface water (NND-77).

PFAS = Per- and polyfluoroalkyl substances
AFB = Air Force Base
AFFF = Aqueous Film-Forming Foam
RI = Remedial Investigation

0 500 1,000 2,000
US Feet

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Fairchild AFB, Washington

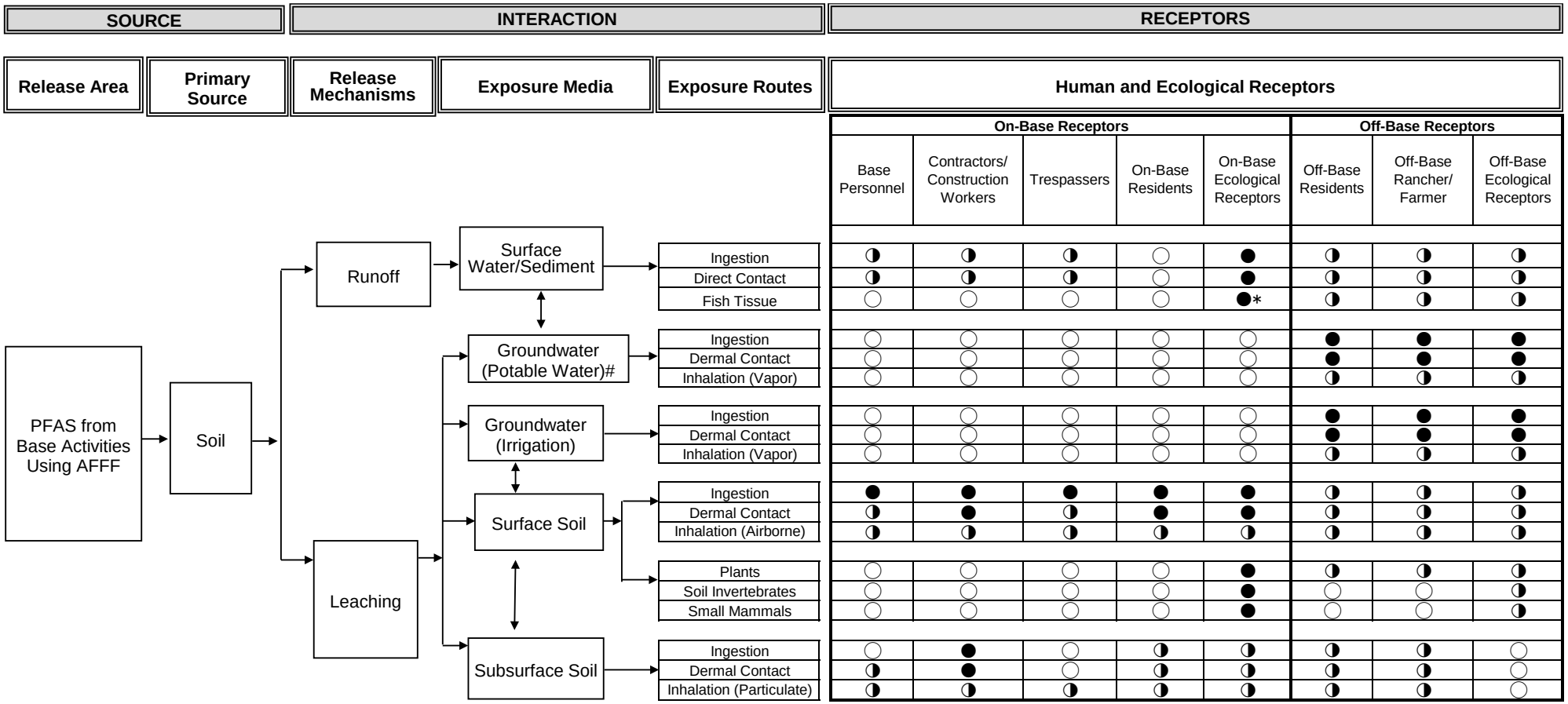
**Figure 7-23: PFAS Composition, AFFF Release Areas**

Fairchild AFB
Phase I PFAS Remedial Investigation

C:\EAprojects\WA\USACE\FairchildAFB\Projects\FAFB_PieCharts\FAFB_PieCharts.aprx | Figure 7-23. GWGrab_Composition | jklemick

**Figure 9-1: Conceptual Site Exposure Model**

Fairchild AFB
Phase 1 PFAS Remedial Investigation




#The base receives its water supply from off site wells owned by the Air Force in the Spokane Valley-Rathdrum Prairie Aquifer, which has PFAS levels that range from below the respective MCL to not detected (USAF 2025).
*If fish are present in PFAS-contaminated surface water, then the exposure pathway through fish tissue ingestion is considered a complete pathway.