PFAS on Spokane's West Plains

Sources, Pathways, and Private Wells

Third Edition – September 2026

- PFAS Source Sites
- Private Wells *(icons: see all corresponding citations below)*
- Landmarks
- Underground Paleochannels
- Fairchild Test Zone
- Airport Test Zone (Interim Action Area)
- West Plains Aquifer
- Roads
- Railroads
- Subsurface Water Flow
- Surface Water Flow
- Municipal Water Boundary

Paleochannels
Paleochannels are inactive streambeds that have been filled in with gravel and sand over time. The permeability in the paleochannel allows for groundwater to move faster than in the surrounding basalt towards Deep Creek and the Spokane River.

Citations

Well locations from WA Ecology's database:
https://wpwc.net/ecology-well-construction

Aquifer boundary based on reports by Chad Pritchard, Michael Hamilton, and others.
Alternative Groundwater Supply Assessment, City of Airway Heights Water System, File #6615-011-00, 2021
How the West Plains Aquifer feeds the Spokane River Aquifer:
https://wpwc.net/svrp-aquifer-atlas

Airport Site Boundary & PFAS Source Sites
https://wpwc.net/ecology-pfas
AECOM, Monitoring Well Installation and Groundwater Monitoring for Perfluorinated Chemicals, report dated December 12, 2017.
SES, Limited Assessment of Electric Avenue Waste Disposal/Fire Pit Training Area, report dated April 23, 2019.

Fairchild Site Boundary & PFAS Source Sites
https://wpwc.net/fairchild-restoration
Fairchild detail at:
https://wpwc.net/fairchild-facts

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WEST PLAINS WATER COALITION
westplainswater.org

Deep Creek
White Bluff SERE Facility
Old Trails Rd
Riverside State Park
Bowl & Pitcher
Spokane River
Jacobs Rd
SCFD 10-3
Deep Creek
Highland Quarry
Great Northern School
Euclid Rd
N. Christensen
W. Prairie Villiage
W. Trails Rd
Government Way
SFCC
Deno Rd
East Deep Creek Paleochannel
Rec Center
SCFD 10-5
Grove Rd
Downtown Spokane
N. Craig Rd
N. Rambo Rd
Casino
City of Airway Heights
Flint Rd
Greenwood Rd
Airport Paleochannel
U.S. Highway 2
Casino
City Hall
U.S. Highway 2
SCFD 10-4
FAFB Main Gate
Spokane International Airport
Waste To Energy Plant
Hangman Creek (Latah Creek)
West Deep Creek Paleochannel
Fairchild Air Force Base
S. Rambo Rd
Craig Rd
Airway Heights City Well
Hayford Rd
W. Thorpe Rd
No Name Ditch
Airway Heights Paleochannel
Brooks Rd
Medical Lake Rd
Hallett Rd
Grove Rd
Assembly Rd
Highway 902
Medical Lake Well
Medical Lake
West Plains Aquifer
West Plains Aquifer
Cheney-Spokane Rd.
Four Lakes
N
0
1
mile