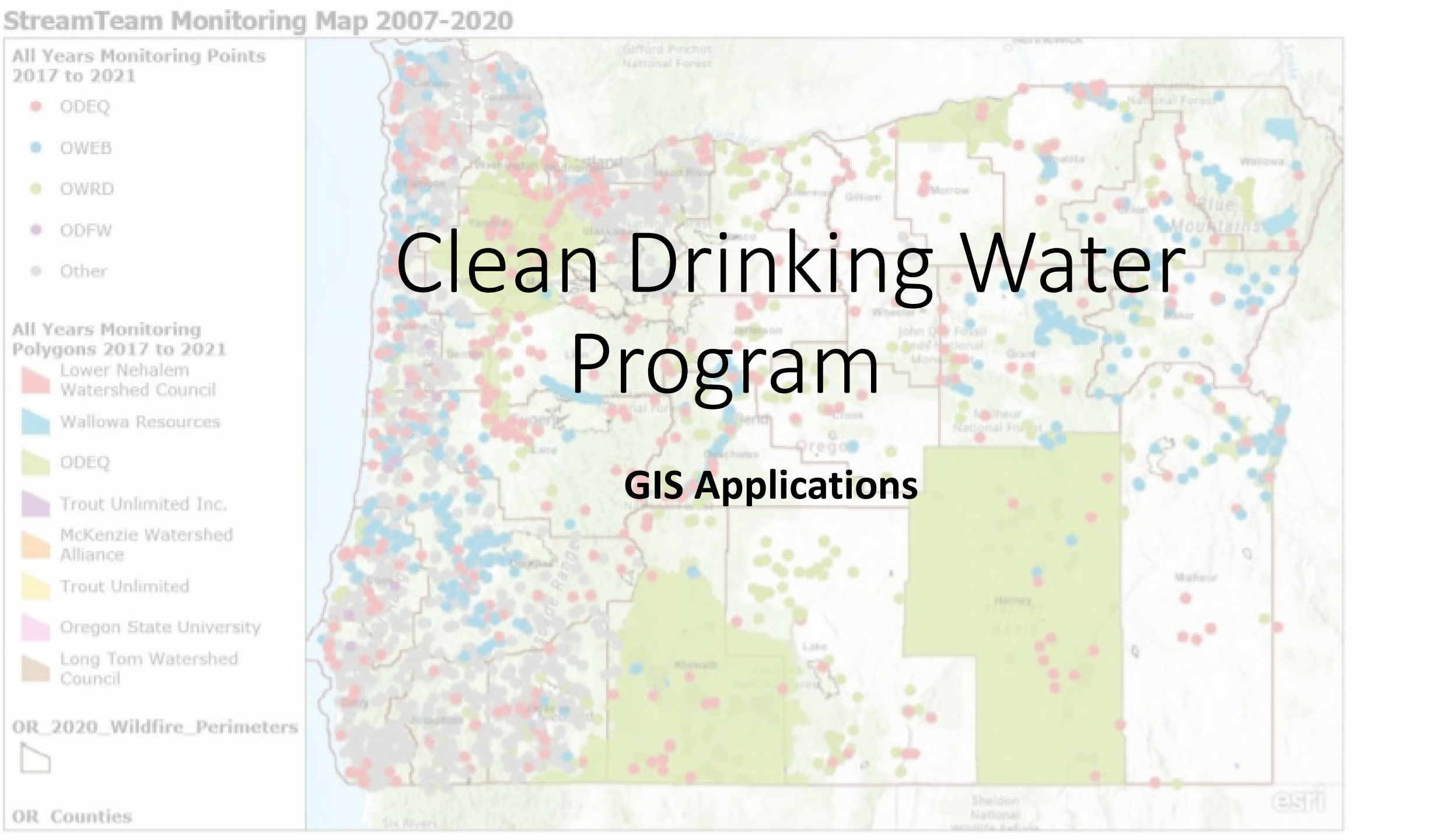
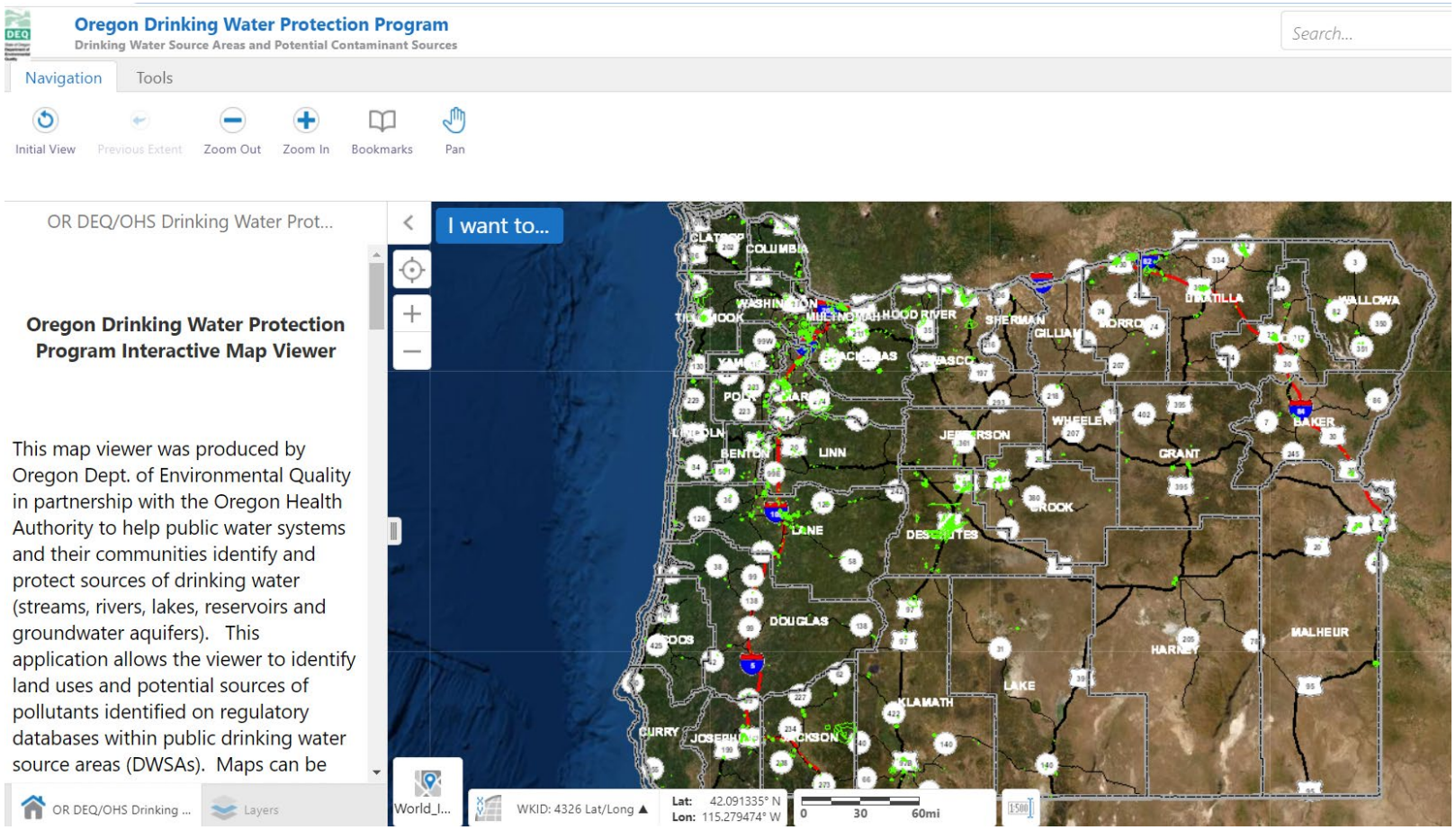


Clean Drinking Water Program

GIS Applications

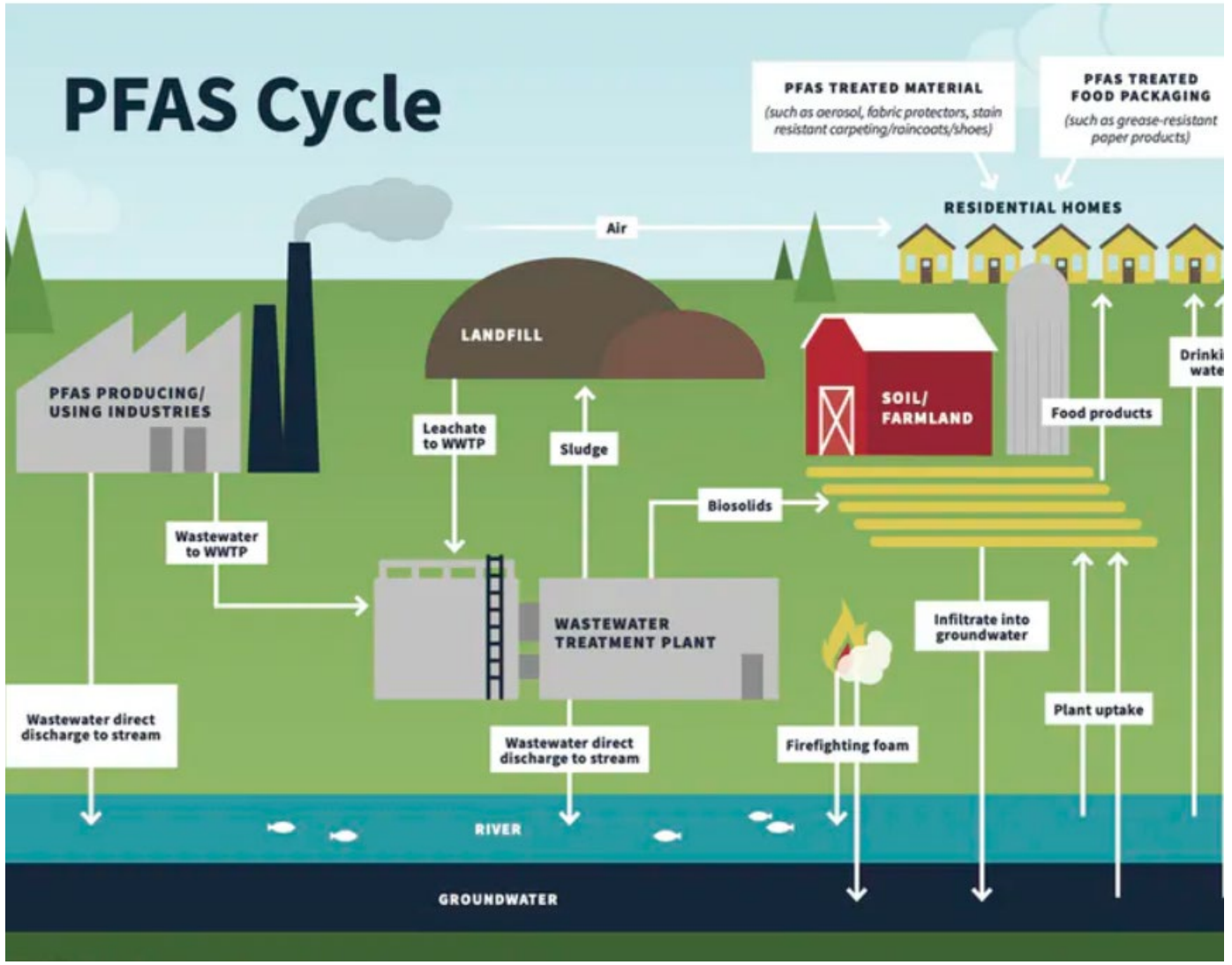
https://hdcgcx2.deq.state.or.us/Html5Viewer211/?viewer=drinkingwater



PFAS

Background

Per- and polyfluoroalkyl substances (PFAS) are a group of thousands of different chemicals that have been manufactured and used in a variety of commercial products since the 1940s – from everyday household items to food packaging – due to their heat, moisture, stain resistance, and non-stick qualities. These chemicals do not break down in the environment or human body and can accumulate over time. There is evidence that exposure to certain PFAS can lead to adverse human health effects.

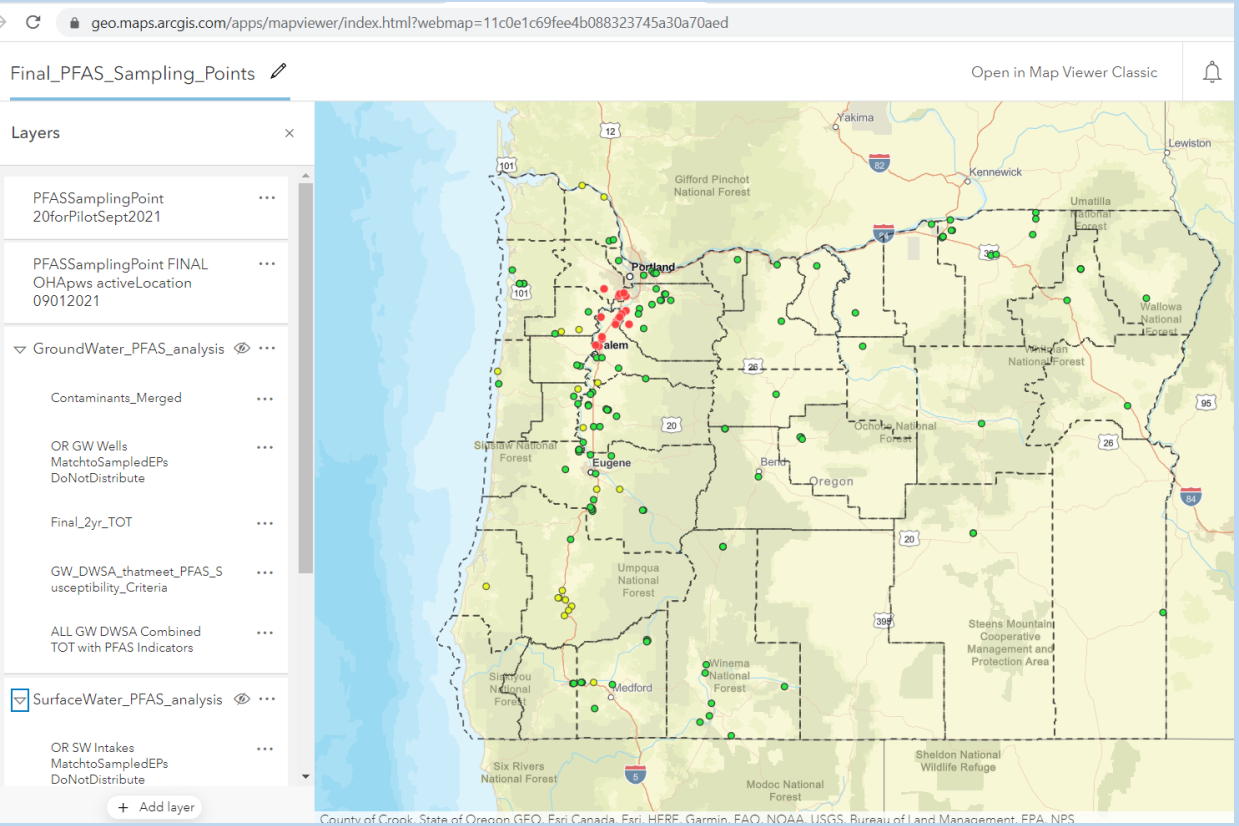


Key messages

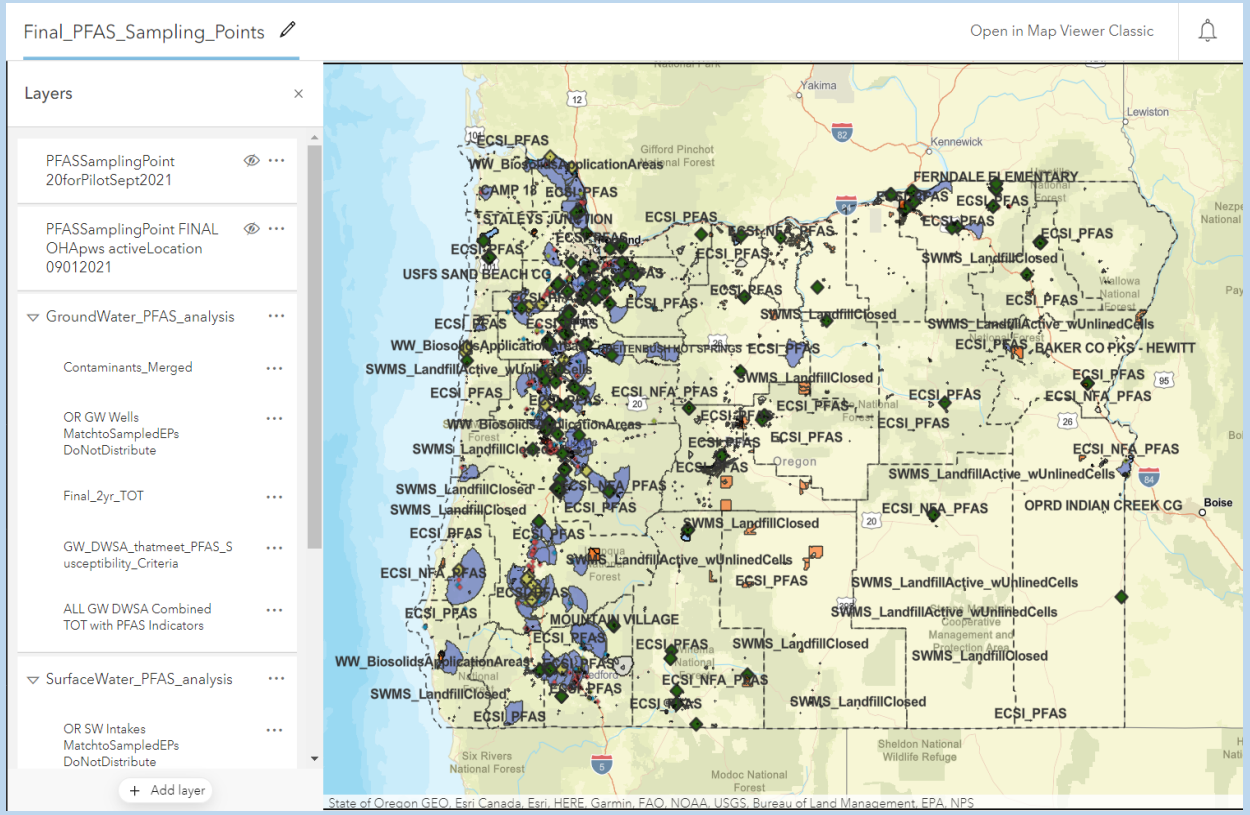
- Nationally, there is growing concern about PFAS as potential risk to human health and the environment. PFAS are unregulated contaminants under State and Federal drinking water regulations.
- Oregon does not have many of the sources of PFAS that have caused major problems in other states, such as PFAS manufacturers or large military bases, but the chemicals are used in industry and firefighting so may be present in Oregon's environment.
- DEQ's lab will analyze drinking water samples and send results to OHA.

PFAS online viewer https://arcg.is/1zS5Km0

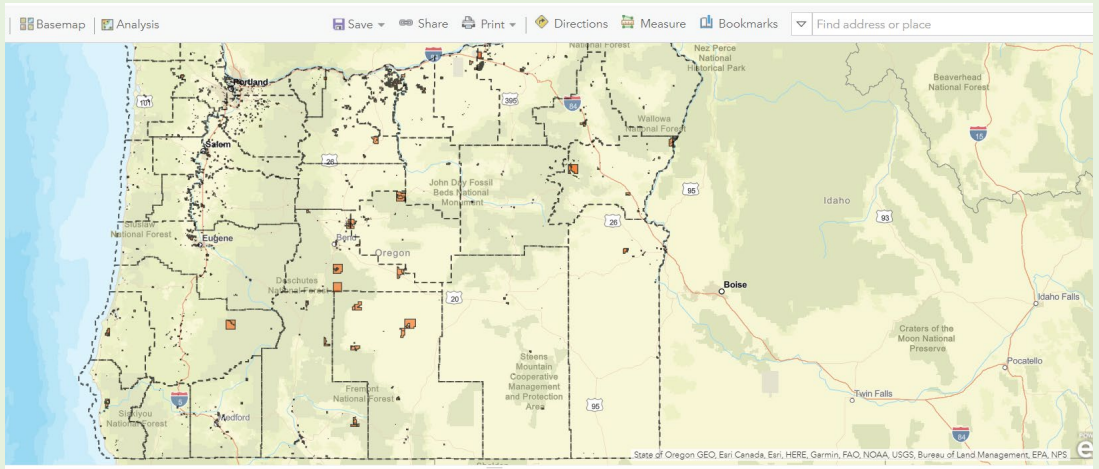
OHA sample sites



Online map for Oregon Health Authority and internal review



2403 Potential Contaminants identified across Oregon, 157 sample sites identified



Features: 2403, Selected: 0)

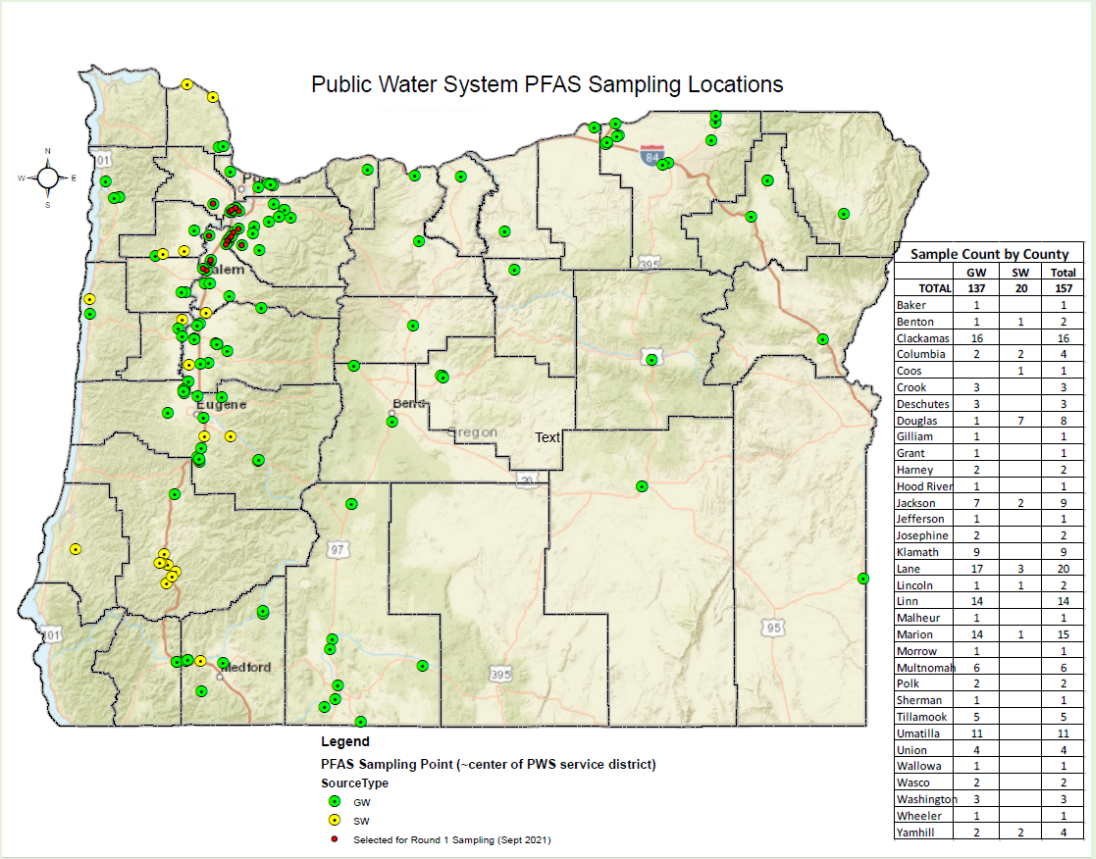
	DataSource	FacName	FacID	Status
	ECSI_PFAS	Hall's Chevron	4062	Inactive site with further action needed
	ECSI_PFAS	UPRR - Ashland	1146	Site active in Cleanup Program

Examples of sites:
Military

Firefighting

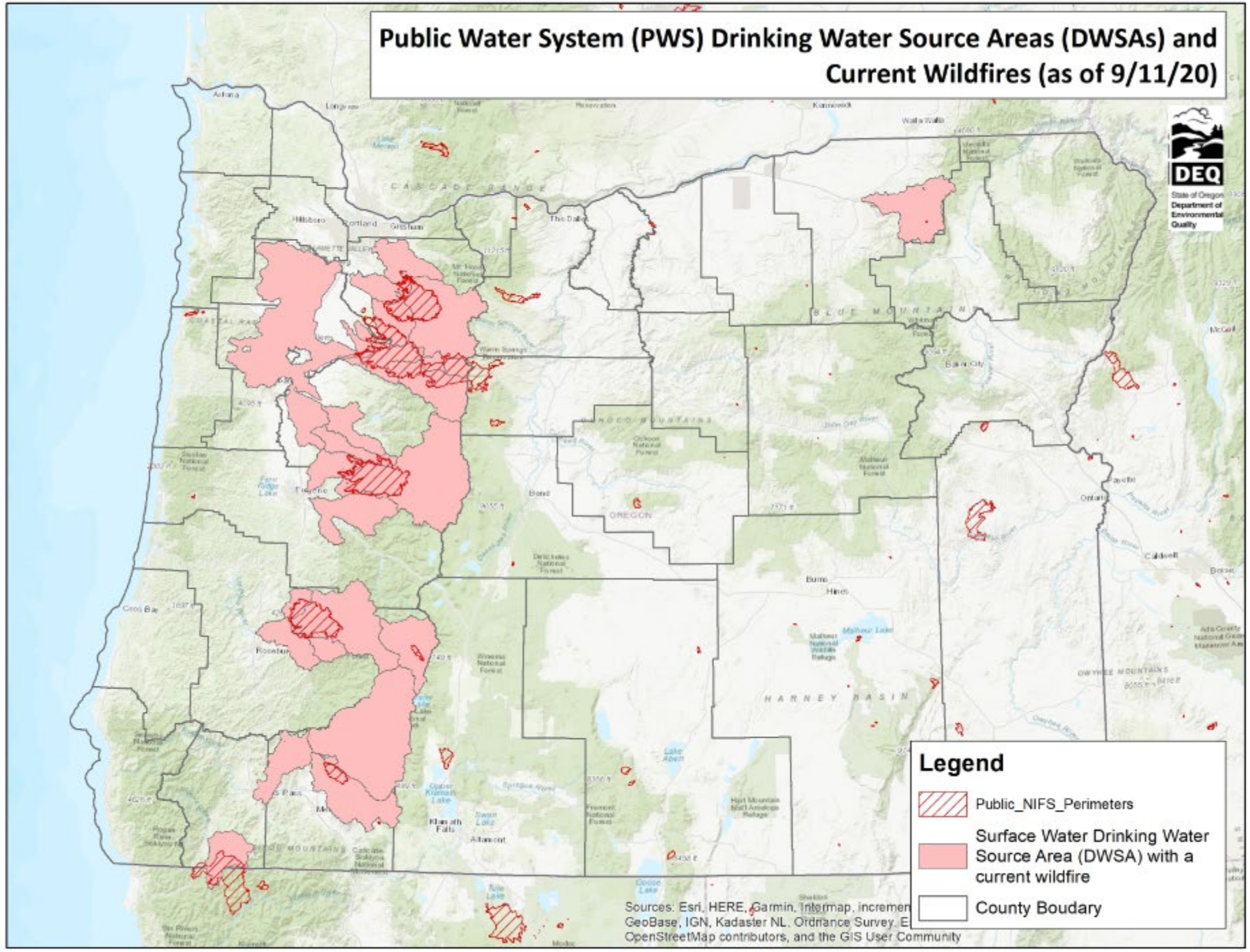
ECSI cleanup sites

Industry that uses PFAS products



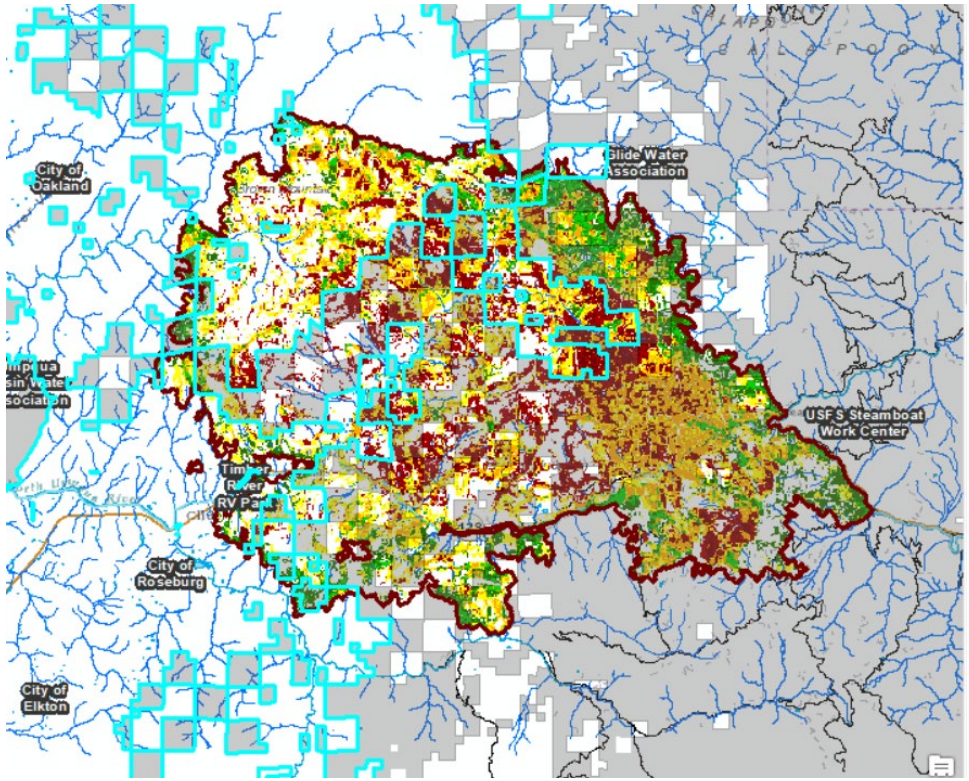
Sample Count by County

	GW	SW	Total
TOTAL	137	20	157
Baker	1		1
Benton	1	1	2
Clackamas	16		16
Columbia	2	2	4
Coos		1	1
Crook	3		3
Deschutes	3		3
Douglas	1	7	8
Gilliam	1		1
Grant	1		1
Harney	2		2
Hood River	1		1
Jackson	7	2	9
Jefferson	1		1
Josephine	2		2
Klamath	9		9
Lane	17	3	20
Lincoln	1	1	2
Linn	14		14
Malheur	1		1
Marion	14	1	15
Morrow	1		1
Multnomah	6		6
Polk	2		2
Sherman	1		1
Tillamook	5		5
Umatilla	11		11
Union	4		4
Wallowa	1		1
Wasco	2		2
Washington	3		3
Wheeler	1		1
Yamhill	2	2	4

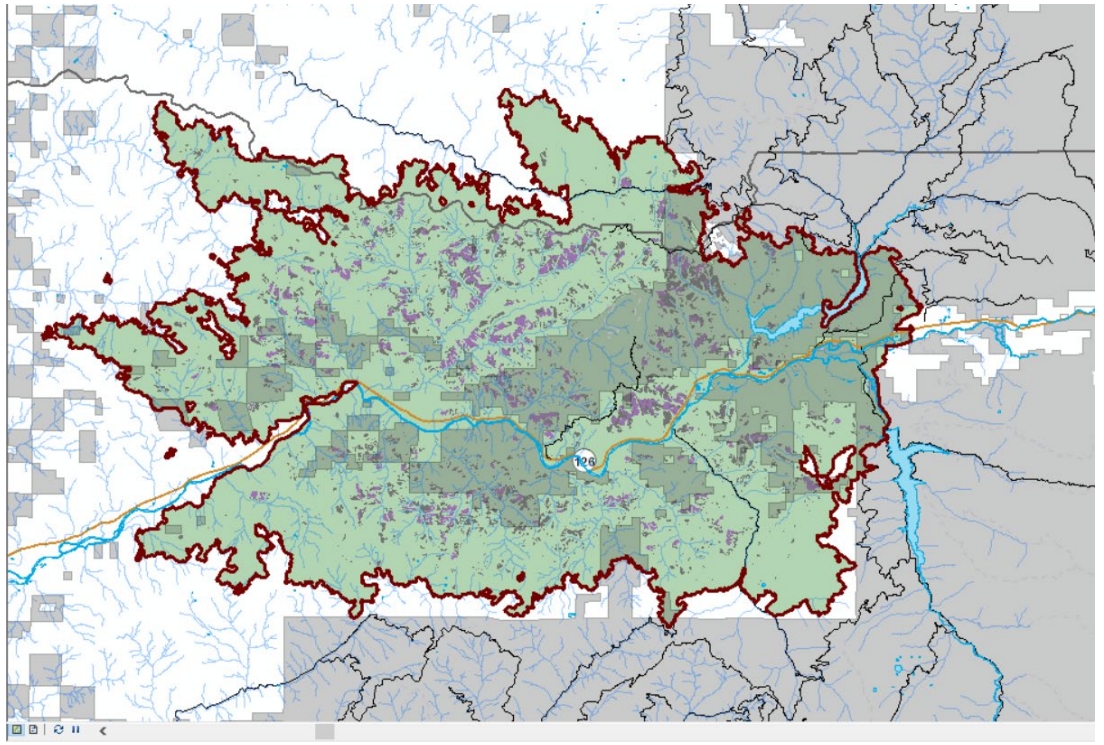

Public Water System (PWS) Drinking Water Source Areas (DWSAs) and Current Wildfires (as of 9/11/20)
DEQ
State of Oregon Department of Environmental Quality
Legend
Public_NIFS_Perimeters
Surface Water Drinking Water Source Area (DWSA) with a current wildfire
County Boudary
Sources: Esri, HERE, Garmin, Intermap, incremen
GeoBase, IGN, Kadaster NL, Ordnance Survey, E
OpenStreetMap contributors, and the GIS User Community

Wildfire Mapping in coordination with USFS

Archie Creek

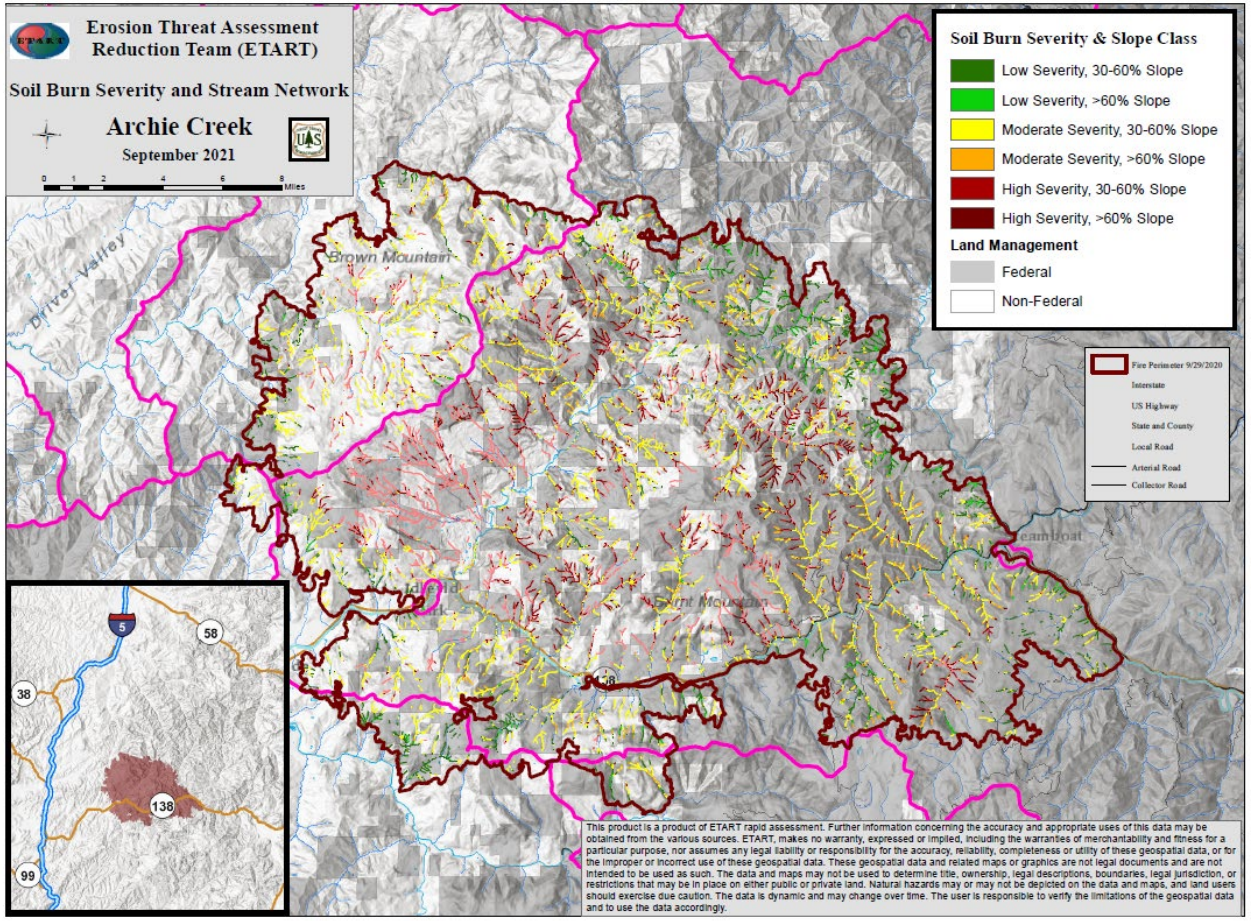


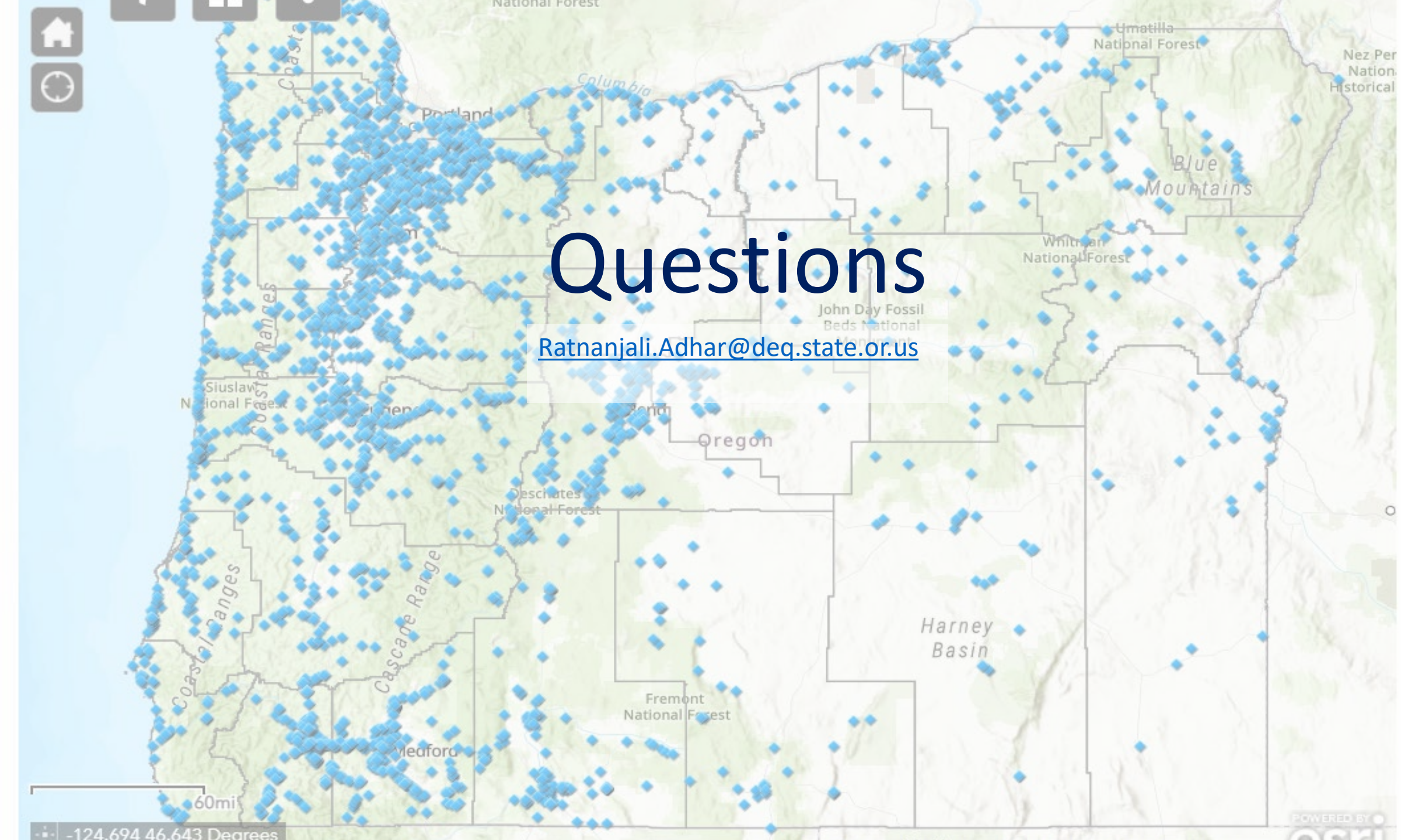
Holiday



ETART MAPPING

showing the intersection of NHD stream network with slope class and soil burn severity





Questions

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