

TABLE S1: LINKS FOR PUBLICLY ACCESSIBLE DATA SOURCES USED IN THIS STUDY

Data Type	Source	URL
Water wells	Oregon Water Resources	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_repo/gw_search.aspx
	Department Groundwater Site Information System	
	Washington Department of Natural Resources	
Oil and Gas wells	Washington Department of Ecology	https://www.dnr.wa.gov/geologyportal
	DOGAMI Oil and Gas Well Log Index	https://fortress.wa.gov/ecy/wellconstruction/map/wclswb/Map/default.aspx
	USGS Columbia River	https://www.oregongeology.org/mlrr/oilgas-logs.htm
Geologic Logs	Basalt Stratigraphy in the Pacific Northwest	https://or.water.usgs.gov/projs_dir/crbg/data/index.html
10 m DEM	USGS The National Map Database	https://viewer.nationalmap.gov/basic/