

# Geologic Log For Site WASH 55918

NWIS Site ID: 452747122485501

OWRD Log ID: WASH 55918

Well location: 01.00S/01.00W-21CDD01

Depth drilled, in feet below land surface: 485

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 359.8

Logged by: M. H. Beeson

Date drilled: 12/15/1999

Depth	Symbol	Lithologic Description	Elevation	Remarks
0		Ground Surface	358	
		<b>Soil</b> (no samples saved)		
		Highly weathered with orange clays grading downward to green clays; phyrlic	323	XRF Sample - 28'-47'
		<b>Ginkgo flow</b> Less weathered downward	304	
		<b>Clay and rock - interbed and soil?</b>	299	
		Vesicular flow top - most vesicles concentrated between 60-70'	288	
		<b>Sentinel Bluffs I flow</b> Diktytaxitic texture with few microvesicles down to 85'; (77'-84') oxidized chips; denser near base of flow	267	XRF Sample - 75'-76' oxidized, dense - joint?
100		Vesicular flow top - oxidized, weathered, or bleached chips; vesicle fillings of green or red material; a few vesicles below 101'	252	
		<b>Sentinel Bluffs flow unit (I or II ?)</b> Light gray to red chips, greenish alteration, a few small phenocrysts	228	XRF Sample - 123'-124'
		Vesicular flow top - Secondary silica (opal?)	223	
		diktytaxitic w/ green to orange clay		
		<b>Sentinel Bluffs II flow</b> Diktytaxitic texture w/ green material in cavities; phyrlic dense, light to dark gray to red	184	XRF Sample - 170'-174'
		Vesicular flow top - slightly weathered and oxidized	173	
		<b>Winter Water flow</b> Very fine grained, small plagioclase phenocrysts observed	163	XRF Sample - 187'-194'
200		Vesicular flow top - red, oxidized, some scoria, very fine grained, scattered vesicles		SWL - 200'
			133	
		dark gray to black (entablature?), some oxidized & greenish alteration		

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		gray with black hydration rinds w/ greenish alteration	96	
		(296' - some very fine grained black chips) <b>Winter Water flow</b> Gray mottled; colonnade? Very few phenocrysts observed - like Umtanum		XRF Sample - 304'-305'
		310-340' gray with oxidized rims, greenish on fractures		
		finer grained, darker chips	8	
350		Vesicular flow top - slightly weathered fine grained vesicular chips; a few glassy chips, sediment chip	-7	
		<b>Ortley/Grouse Creek flow</b> Black, fine grained, fresh, but greenish alteration on fractures, a few microphenocrysts		XRF Sample - 394'-395'
		Greenish alteration near pillow lava	-62	
		Pillow basalt and hyaloclastite Frothy, glassy chips	-77	
		Vesicular flow top - fine grained, slightly weathered and oxidized		
450			-102	
		<b>Ortley/Grouse Creek flow</b> Black, very fine grained chips, a few microphenocrysts		XRF Sample - 464'-465'
			-127	
		End of Log		