

# Geologic Log For Site WASH 315

NWIS Site ID: 452224122542001

OWRD Log ID: WASH 315

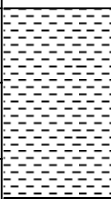


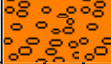
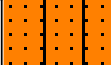
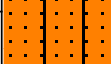
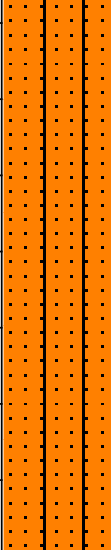
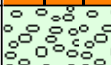
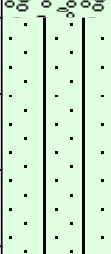
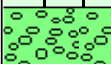
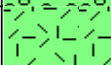

Well location: 02S/02W-26BB

Depth drilled, in feet below land surface: 1000

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 720

Logged by: M. H. Beeson

Date drilled: 02/25/1991

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Ground Surface	680			
		<b>Red Soil</b> Red to brown soil				
		<b>Weathered basalt</b> Fine to medium grained, few phenocrysts observed	655			
		Vesicular flow top - red at top, weathered, coarse grained; vesicles filled with hite material	645			
		(50-60' - slickensides)	630			
		(60-70' - green clays)				
		<b>Ginkgo flow, Frenchman Springs Member, Wanapum Basalt</b> Deeply weathered to 100 feet; phyrlic, but not abundant Coarse, diktytaxitic				
100		a few vesicular chips, tabular plagioclase phenocrysts				
		Vesicular flow top - slightly oxidized	540			
		<b>Sentinel Bluffs Member, Grande Ronde Basalt</b> Phyrlic (tabular phenocrysts, gray, diktytaxitic)	530			
		Vesicular flow top - weathered, red, fine grained	498			
			490			
200			480			

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Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
		<b>Winter Water flow</b> flow 1				
		Fresh, slightly diktytaxitic, sparse small phenocrysts	470			
		Vesicular flow top - slightly w eathered, fine grained; w hite coating on fractures and vesicles	460			
		230/240 - darker/lighter				
		<b>Winter Water Member, Grande Ronde Basalt</b> flow 2				
		Slightly diktytaxitic, few plagioclase phenocrysts				
		diktytaxitic/denser, darker	405			
300		Darker, finer grained tow ard base				
			360			
		Vesicular, w eathered, brow n				
		<b>Winter Water Member, Grande Ronde Basalt</b> flow 3	340			
		Gray, very fine grained, slightly diktytaxitic, very few phenocrysts observed, not microphyric				
		Chemistry is Winter Water; phenocrysts are present, but rare	320			
			305			
400		Vesicularflow top - flow top breccia?				

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Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
	[Symbol: Small circles]	Gray, fine grained, sparsely microphyric	260			
		<b>Ortley Member, Grande Ronde Basalt</b> flow 1				
	[Symbol: Vertical lines]	entablature/colonnade transition	240			
		Flow contact? few glass chips and vesicular chips	215			
	[Symbol: Small circles]		205			
		<b>Ortley or Grouse Creek flow?</b> flow 2				
500	[Symbol: Small circles]	Fine grained, somewhat microphyric				
	[Symbol: Vertical lines]	Colonnade	160			
	[Symbol: Small circles]	<b>Sedimentary interbed</b>	140			
		Vesicular flow top - medium grained, diktytaxitic, few vesicles, some glass and sediment; sparsely feldspar microphyric	138			
	[Symbol: Small circles]		130			
		<b>Grouse Creek Member(?), Grande Ronde Basalt</b>	125			
	[Symbol: Small circles]		110			
		Glass chips and frothy chips, minor vesicles; black fine grained, microphyric	100			
600	[Symbol: Small circles]					

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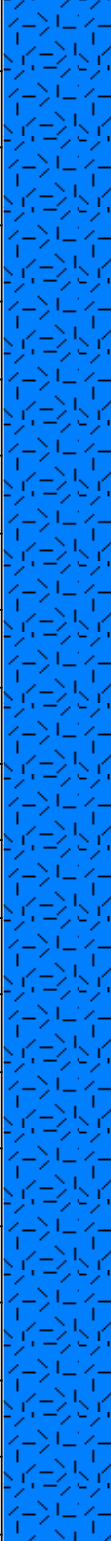
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Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
<p>700</p> <p>800</p>		<p>640-670 - brown, microphyric</p> <p><b>Wapshilla Ridge Member, Grande Ronde Basalt</b>                      flow 1                      Diktytaxitic, abundantly microphyric w/ tabular plagioclase crystals</p> <p>feldspar microphyric</p>				

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Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
	[Symbol: Blue background with black diagonal lines]	<p><b>Wapshilla Ridge Member, Grande Ronde Basalt</b> flow 1</p> <p>Diktytaxitic, abundantly microphyric w/ tabular plagioclase crystals</p>				
	[Symbol: Blue background with black vertical lines]	<p>Colonnade - fine grained, plagioclase microphyric</p> <p>finer grained near base</p>	-160			
900	[Symbol: Blue background with black circles]	<p>Sediment, pebbles, oxidized, w eathered basalt</p>	-230			
	[Symbol: Blue background with black vertical lines]	<p><b>Wapshilla Ridge Member, Grande Ronde Basalt</b> flow 2</p> <p>(chip with slickensides)</p>	-239			
	[Symbol: Pink background with black diagonal lines]	<p><b>China Creek Member, Grande Ronde Basalt</b> invasive lobe</p> <p>A mix of sediment and basalt chips; basalt is not noticeably microphyric, sediment is well laminated and contains carbonized wood, some mica</p>	-280			
1000	[Symbol: Pink background with black diagonal lines]		-320			