

# Geologic Log For Site WASH 61622

NWIS Site ID: 452450122481301

OWRD Log ID: WASH 61622

Well location: 02.00S/01.00W-10BCB01

Depth drilled, in feet below land surface: 1012

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 474

Logged by: M. H. Beeson

Date drilled: 03/10/2004

Depth	Symbol	Lithologic Description	Elevation	Remarks
0		Ground Surface	250	
	●●●●	<i>Fill</i>	240	
	●●●●	<i>Sentinel Bluffs flow</i> Medium grained, dense, bleached in upper half and a darker greenish gray in lower half	185	Chemistry - COT-2R 50-60
	○●○●	Red to brown, vesicles are few and small to tiny, fine grained	150	
100	○●○●	Fine grained, mix of red, yellow, and discolored black; a few scattered vesicles	100	
	○●○●	<i>Winter Water flow</i> Mix of light gray to dark hydrated toward joints, fine grained; yellow coating on some joints	40	Chemistry - COT-2R 170-190
200	○●○●	Pillow lava - a mix of glassy vesicular chips and very fine grained black or oxidized chips	-5	
	○●○●	(flow contact depth is uncertain) Oxidized, finely vesicular	-25	
	○●○●	<i>Winter Water flow unit</i> 275-310' - fine grained, black, dense	-60	Chemistry - COT-2R 290-300
300	○●○●	Some oxidized, vesicular chips	-70	
	○●○●	<i>Ortley flow</i> 320-380' - Fine grained, dense, discolored to mottled (greenish)		
	○●○●	380-410' - black or gray, very fine grained		
400				

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Depth	Symbol	Lithologic Description	Elevation	Remarks
			-160	Chemistry - COT-2R 400-410
		Finely vesicular, few slightly oxidized chips, yellow clays	-170	
			-190	
		<i>Ortley/Grouse Creek flow?</i>		Chemistry - COT-2R 440-450
		Gray, fine grained, diktytaxitic patches, fairly fresh	-210	
		Red (oxidized), some glass, some finely vesicular chips	-220	
		<i>Grouse Creek flow</i>		
		Light gray to black, discolored	-255	Chemistry - COT-2R 490-500
500		Vesicular zone, some glass and black (carbonaceous?) sediment	-275	
		<i>Grouse Creek flow</i>		Chemistry - COT-2R 530-540
		Light gray, fine grained, slightly microphyric	-300	
		<i>Interbed - green to black siltstone</i>		
		Vesicular, slight oxidation, some glass and scoria	-320	
		<i>Wapshilla Ridge flow</i>		
600		Light gray, mottled, microphenocrysts are not obvious in upper part of the flow	-380	
		Slickensides in 640-650' sample		
		Gray, slightly diktytaxitic, obviously microphyric		Chemistry - COT-2R 650-660
		Slickensides in 660-680' samples	-430	
		Red vesicular chips and yellow clay w/ very fine black clasts		
700		Slickensides in 730-740' sample		
		<i>Wapshilla Ridge II flow</i>		
		Fine grained, abundantly microphyric, fresh, black, dense; lots of joints (fractured?)		Chemistry - COT-2R 790-800
800				

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Depth	Symbol	Lithologic Description	Elevation	Remarks
			-590	
		<b>Wapshilla Ridge flow</b> Gray w/ black hydrated rinds (joints)	-610	
		Slickensides - 660-670'	-630	
		Pillows lava - glass in red clay;		
900				
		<b>Wapshilla flow lobe</b> Very fine grained, microphyric, black, jointed		Chemistry - COT-2R 940-950
			-730	
		Pillowed base - glass, fine grained, black, vesicles	-745	
1000		Flow-top breccia - vesicular, black, red to black clay; green and red alteration; Slickensides common	-760	Chemistry - COT-2R 1010-1012
		<b>Wapshilla Ridge flow</b> Fine grained, gray, mostly dense, not obviously microphyric without magnification	-764	
		End of Log		
1100				
1200				



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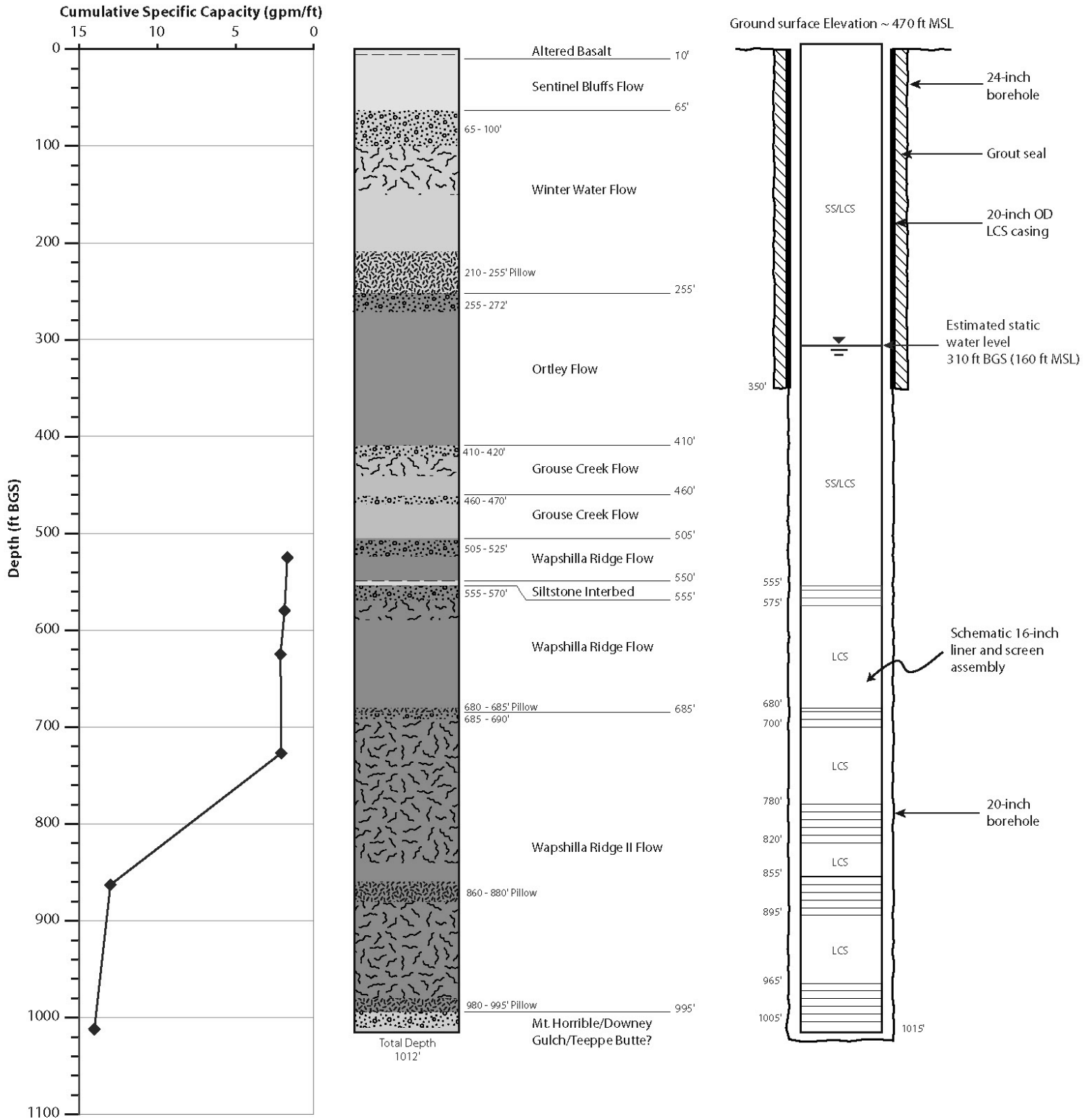
Well location: 02.00S/01.00W-10BCB01






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-  Interflow Zone
-  Fractured Basalt
-  Interior Flow Basalt
-  Pillow Basalt
-  Siltstone

## Notes

1. Interflow zones estimated
2. BGS - below ground surface
3. MSL - mean sea level
4. SS - stainless steel
5. LCS - low carbon steel