

# Geologic Log For Site WASH 330

NWIS Site ID: 453302122504101

OWRD Log ID: WASH 330

Well location: 01N/01W-20CCC1

Depth drilled, in feet below land surface: 1206

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 246

Logged by: M. H. Beeson and T. L. Tolan

Date drilled: 06/10/1989

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		Ground Surface	250			
		<b>Boring Lavas</b> deeply weathered				
			204			
		dense interior - colonnade				
100					95	
		<b>Troutdale Formation</b> blue-gray clay	123			
200						
300						
			-116			
		brown clay				
400		<b>Wanapum Basalt, Frenchman Springs Member</b> Basalt of Sand Hollow flow 1	-155			
		deeply weathered dense interior - colonnade dense interior - colonnade		-185		435
			-205			
		normal flow top		-225		
		dense interior - colonnade			150-200 gpm	
500					495	<b>Basalt of Sand Hollow</b> flow 1: sparsely plagioclase phyrlic with large glomerocrysts flow 2: sparsely plagioclase phyrlic with large glomerocrysts

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		<b>Wanapum Basalt, Frenchman Springs Member</b>	-265			
		Basalt of Ginkgo	-275		525	Basalt of Ginkgo: abundantly plagioclase phyrlic with large glomerocrysts
		normal flow top				
		dense interior - colonnade				
		<b>Vantage Interbed</b>	-305			555 ft: Vantage Interbed approx 5 ft. thick
		mica sandstone / siltstone & wood	-310			
		<b>Grande Ronde Basalt, Sentinel Bluffs Member</b>				
		Flow 1				
		normal flow top			595	Sentinel Bluffs Member flow 1: aphyric flow 2: plagioclase phyrlic with small phenocrysts
		dense interior - colonnade	-340			
600		interbed - claystone	-365			615 ft: Interbed approx 3 ft. thick
		<b>Grande Ronde Basalt, Sentinel Bluffs Member</b>				
		flow 2		500+ gpm	635	
		normal flow top				
		dense interior - colonnade	-385			
		interbed - sandstone/siltstone	-415			665 ft: Interbed approx 5 ft. thick
		<b>Grande Ronde Basalt, Winter Water Member</b>	-420			
		flow 1				
		normal flow top				
		dense interior - entablature	-455		715	Basalt of Sand Hollow flow 1: plagioclase phyrlic with small phenocrysts
		dense interior - colonnade	-480			flow 2: plagioclase phyrlic with small phenocrysts
		flow 2	-495			flow 3: plagioclase phyrlic with small phenocrysts
		normal flow top				flow 4: plagioclase phyrlic with small phenocrysts
		dense interior - entablature	-510			
		dense interior - colonnade	-530		815	
800		flow 3	-575			825 ft: Winter Water "flows 3 and 4" likely flow lobes of flow 2
		normal flow top				
		dense interior - entablature	-590	1000+ gpm	845	
		dense interior - colonnade	-605			
		flow 4	-615			
		normal flow top				
		dense interior - entablature	-640		885	
		interbed - claystone	-645			895 ft: Interbed approx 5 ft. thick
900		<b>Grande Ronde Basalt, Ortley Member</b>	-650			
		flow top breccia		1000+ gpm		Ortley Member: aphyric
		dense interior - entablature	-690			
		dense interior - colonnade	-730		985	
1000						

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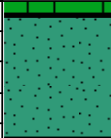




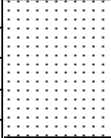
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		<b>Grande Ronde Basalt, Wapshilla Ridge Member</b> normal flow top	-755			Wapshilla Ridge Member flow 1: plagioclase microphyric
		dense interior - entablature	-795		1095	
1100		dense interior - colonnade	-860			
		normal flow top	-880			flow 2: abundantly plagioclase microphyric
		dense interior - entablature	-900			
		<b>no samples</b>	-910		1165	1165 ft: no samples collected from 1165 to 1206 ft.
1200	<b>TD 1206 ft</b>		-956			
1300						
1400						
1500						