

# Geologic Log For Site WERN 14-21

NWIS Site ID: 450657122570301

OWRD Log ID: WERN 14-21

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

Well location: 05S/02W-21DD

Depth drilled, in feet below land surface: 3354

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 189

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
0		<b>No Description</b> Ground Surface	180			
		<b>Troutdale Formation</b>	140			
		blue-gray clay				
		brown sand	105			
100						
		gravel	20			
		clayey sand	0			
200						
		pebbly sand	-65			
300						
		sand	-125			
400						
		pebbly sand	-215	NA		
		clayey sand	-295			
500		<b>No Description</b>	-320			
600						
700						
800						

# Geologic Log For Site WERN 14-21

NWIS Site ID: 450657122570301

OWRD Log ID: WERN 14-21

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

Well location: 05S/02W-21DD

Depth drilled, in feet below land surface: 3354

Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 189

Depth	Symbol	Lithologic Description	Elevation	Water Bearing Zones	Geochem Sample	Remarks
		blue-gray clay	-640			
900		green-blue clay	-770			
1100						
		<b>Grande Ronde Basalt, Sentinel Bluffs Member</b> deeply weathered dense interior	-975	NA		1155 ft: Top of CRBG; very deeply weathered from 1155 to 1200 ft; no flow top on uppermost flow, removed by erosion.
1200		<b>Grande Ronde Basalt, Winter Water Member</b> normal flow top dense interior - entablature	-1020		1200	<b>Sentinel Bluffs Member:</b> aphyric
			-1040			<b>Winter Water Member:</b> sparsely plagioclase phyrlic with small phenocrysts
		dense interior - colonnade	-1090			
		<b>Grande Ronde Basalt, Umtanum Member</b> normal flow top dense interior - entablature	-1100		1290	<b>Umtanum Member:</b> aphyric
1300			-1120			
		dense interior - colonnade	-1160			
		interbed - claystone	-1170			1350 ft: Interbed approx 10 ft. thick
		<b>Grande Ronde Basalt, Ortley Member</b> normal flow top dense interior - entablature	-1180			<b>Ortley Member:</b> aphyric
1400			-1210			
		dense interior - colonnade	-1270			
		<b>Pre-CRBG sediments, sandy claystone - marine</b>	-1295		1470	1475 ft: Bottom of CRBG
1500		<b>TD 3354 ft</b>	-1320			
1600						