

Well Construction Details - Allison Woods Groundwater Monitoring and Research Station, Iredell County, North Carolina

Well name	Latitude	Longitude	Total depth ft bls ¹	Well yield (approximate) gpm	Land surface elevation ft above msl ²	Measuring point elevation ft above msl ²	Completion Date	Ground water zone	Casing Type	Casing / Riser Depth ft bls ¹
AWCH-1	35.908419370	-80.823227887	100		900.76	903.65	5/3/2005		galv-steel	60
AWCH-2	35.907858892	-80.825127447	200		871.65	874.22	4/7/2005		galv-steel	60
AWCH-3	35.906376110	-80.825343143	75		852.09	854.89	5/24/2005		galv-steel	20
AWCH-4	35.907739039	-80.826912140	100		837.37	839.82	5/24/2005		galv-steel	33
AWMW-1S	35.908279774	-80.823101954	35		900.45	903.53	6/14/2005	Shallow Regolith	PVC	20
AWMW-1I	35.908279774	-80.823101954	70	3	900.18	902.93	3/8/2006	Transition-zone	PVC	55
AWMW-1D	35.908279774	-80.823101954	400	10	900.00	903.06	2/23/2006	Bedrock	galv-steel	90
AWMW-2S	35.907803012	-80.825054360	38	0.5	871.93	874.71	6/14/2005	Regolith	PVC	23
AWMW-2I	35.907803012	-80.825054360	70	1	872.44	875.20	10/18/2005	Transition-zone	PVC	60
AWMW-2D	35.907803012	-80.825054360	400	25	872.52	875.14	10/4/2005	Bedrock	galv-steel	87
AWMW-3S	35.906381866	-80.825327521	16		852.08	855.01	6/13/2005	Regolith	PVC	7.0
AWMW-3I	35.906381866	-80.825327521	35	10	850.51	853.67	3/28/2006	Transition-zone	PVC	25
AWMW-3D	35.906381866	-80.825327521	372	2	850.12	853.60	3/22/2006	Bedrock	galv-steel	45
AWMW-4S	35.907735988	-80.826946944	23		837.21	839.69	6/8/2005	Regolith	PVC	8.0
AWMW-4I	35.907735988	-80.826946944	40	20	838.59	841.49	3/15/2006	Transition-zone	PVC	30
AWMW-4D	35.907735988	-80.826946944	300		837.88	841.22	3/9/2006	Bedrock	galv-steel	45
AWPZ-1	35.907269312	-80.826226503	13.6		844.40	845.60	5/31/2005	Regolith	PVC	8.6
AWPZ-2	35.906351006	-80.823766759	24.0		872.81	875.26	5/31/2005	Regolith	PVC	10.0
AWPZ-3	35.906286100	-80.822484334	37.0		896.40	899.13	6/1/2005	Regolith	PVC	32.0
AWPZ-4	35.907498973	-80.823009797	37.9		889.66	892.43	6/1/2005	Regolith	PVC	32.9
AWPZ-5	35.907694950	-80.824360050	36.9		881.32	884.17	6/1/2005	Regolith	PVC	31.9
AWPZ-6	35.907943101	-80.825007208	35.4		873.30	875.43	6/6/2005	Regolith	PVC	30.4
AWPZ-7	35.907773631	-80.825100053	39.3		871.17	874.31	6/6/2005	Regolith	PVC	34.3
AWPZ-8	35.907959799	-80.825140476	28.8		872.40	874.42		Regolith	PVC	23.8
AWPZ-9	35.908273994	-80.824463741	37.1		882.14	884.40		Regolith	PVC	32.1
AWPZ-10	35.908466932	-80.823879608	30.6		889.12	892.23	6/7/2005	Regolith	PVC	25.6
AWPZ-11	35.908889588	-80.824448925	33.1		895.76	898.81		Regolith	PVC	28.1
AWPZ-12	35.908153971	-80.823636769	38.5		896.55	899.33	6/8/2005	Regolith	PVC	33.5
AWPZ-13	35.907674195	-80.824068630	30.0		887.24	890.12		Regolith	PVC	25.0

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Well name	Screened / Open Interval		Screen / open hole diameter in	Screened or Open	Screen Slot Size in	Type of well	Comments
	ft bls ¹						
AWCH-1	60	100	4	Open Hole		Bedrock Piezometer	
AWCH-2	60	200	4	Open Hole		Bedrock Piezometer	
AWCH-3	20	75	4	Open Hole		Bedrock Piezometer	
AWCH-4	33	100	4	Open Hole		Bedrock Piezometer	
AWMW-1S	20	35	4	Screened	0.01 slotted PVC	Shallow Regolith Monitoring	
AWMW-1I	55	70	4	Screened	0.01 slotted PVC	Transition-zone Monitoring	
AWMW-1D	90	400	6.25	Open Hole		Bedrock Monitoring	
AWMW-2S	23	38	4	Screened	0.01 slotted PVC	Shallow Regolith Monitoring	
AWMW-2I	60	70	4	Screened	0.01 slotted PVC	Transition-zone Monitoring	
AWMW-2D	87	400	6.25	Open Hole		Bedrock Monitoring	
AWMW-3S	7	16	4	Screened	0.01 slotted PVC	Shallow Regolith Monitoring	
AWMW-3I	25	35	4	Screened	0.01 slotted PVC	Transition-zone Monitoring	
AWMW-3D	45	372	6.25	Open Hole		Bedrock Monitoring	
AWMW-4S	8	23	4	Screened	0.01 slotted PVC	Shallow Regolith Monitoring	
AWMW-4I	30	40	4	Screened	0.01 slotted PVC	Transition-zone Monitoring	
AWMW-4D	45	300	6.25	Open Hole		Bedrock Monitoring	
AWPZ-1	9	14	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-2	19	24	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-3	23	37	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-4	33	38	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-5	32	37	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-6	30	35	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-7	34	39	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-8	24	29	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-9	32	37	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-10	26	31	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-11	28	33	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-12	34	39	1	Screened	0.01 slotted PVC	Piezometer	
AWPZ-13	25	30	1	Screened	0.01 slotted PVC	Piezometer	

1 - Feet below land surface; 2 - Feet above Mean Sea Level