Well Construction Details - Upper Piedmont Groundwater Monitoring and Research Station

Well name	Latitude	Longitude	Total depth ft bls[1]	Well yield (approximate) gpm	Land surface elevation (approximate) ft above msl[2]	Measuring point elevation ft above msl[2]	Completion Date	Ground water zone	Casing Type	Casing / Riser Depth ft bls[1]
MW-N1S	36.392891105	-79.704737277	15	0.5	672.76	675.74	4/9/2002	Saprolite	PVC	5
MW-N1I	36.392890228	-79.704599456	65	1.0	672.27	675.09	5/14/2002	Transition zone	PVC	50
MW-N1D	36.392891740	-79.704664723	300	7.0	672.51	675.41	5/14/2002	Bedrock	GALV	100
MW-N2S	36.392217476	-79.704657695	13	0.5	672.48	674.95	4/9/2002	Saprolite	PVC	3
MW-N2I	36.392216321	-79.704518649	50	10.0	671.56	674.62	5/21/2002	Transition zone	PVC	25
MW-N2D	36.392216814	-79.704590172	300	5.0	671.91	674.92	5/20/2002	Bedrock	GALV	60
MW-N3I	36.391155719	-79.704617424	30	0.0	770.44	772.64	6/12/2002	Transition zone	PVC	15
MW-N3D	36.391130392	-79.704555156	260	7.0	770.26	772.52	6/12/2002	Bedrock	GALV	40
MW-N4I	36.389756987	-79.703488678	70	0.5	839.63	842.43	5/22/2002	Transition zone	PVC	44
MW-N4D	36.389740477	-79.703556859	300	0.5	840.19	842.77	5/29/2002	Bedrock	GALV	80
MW-S1I	36.378020541	-79.688558023	50	0.1	803.34	805.84	5/1/2002	Transition zone	PVC	35
MW-S1D	36.377985193	-79.688604994	301	0.5	802.55	805.35	5/1/2002	Bedrock	GALV	61.5
MW-S3S	36.375495741	-79.685449469	38	0.5	705.16	708.15	4/10/2002	Saprolite	PVC	23
MW-S3UI	36.375457244	-79.685509537	55	1.0	705.60	708.33	4/24/2002	Transition zone	PVC	45
MW-S3LI	36.375426477	-79.685560409	73	1.0	705.60	708.25	4/23/2002	Transition zone	PVC	63
MW-S3D	36.375394722	-79.685612218	438	25.0	705.48	708.42	4/4/2002	Bedrock	GALV	87.5
MW-S4S	36.373790537	-79.683751175	15	0.5	659.50	661.49	4/9/2002	Saprolite	PVC	5
MW-S4I	36.373823463	-79.683696392	35	5.0	659.32	662.17	3/26/2002	Transition zone	GALV	25
MW-S4D	36.373855842	-79.683641052	380	55.0	659.57	662.59	3/25/2002	Bedrock	GALV	77
PZ-1	36.393179656	-79.704778996	50	1.0	675.95	678.28	4/16/2003	Saprolite	PVC	40
PZ-2	36.392891654	-79.704806575	24	1.0	673.02	675.65	4/29/2003	Saprolite	PVC	14
PZ-3	36.392898294	-79.704535523	39	1.0	672.17	674.50	4/24/2003	Saprolite	PVC	29
PZ-4	36.392833332	-79.704665315	31	1.0	672.25	672.03	4/21/2003	Saprolite	PVC	21
PZ-5	36.392254826	-79.704589150	26	1.0	671.62	671.39	4/23/2003	Saprolite	PVC	16
PZ-5I	36.392307363	-79.704590048	40	1.0	671.79	671.46	8/12/2003	Transition zone	PVC	30
PZ-5D	36.392278890	-79.704590048	90	5.0	671.72	671.21	8/5/2003	Bedrock	PVC	70
PZ-6	36.392212928	-79.704724485	13	1.0	672.91	675.31	4/23/2003	Saprolite	PVC	8
PZ-6I	36.392207846	-79.704791719	40	1.0	673.02	675.37	8/13/2003	Transition zone	PVC	30
PZ-6D	36.392213600	-79.704759188	90	1.0	673.04	675.38	7/22/2003	Bedrock	PVC	70
PZ-7	36.392216925	-79.704449420	19	1.0	671.43	673.62	4/22/2003	Saprolite	PVC	14
PZ-7I	36.392214218	-79.704374712	40	1.0	671.28	673.61	8/13/2003	Transition zone	PVC	30
PZ-7D	36.392216334	-79.704409076	95	2.0	671.48	673.70	7/28/2003	Bedrock	PVC	75
PZ-8	36.392171644	-79.704590956	24	1.0	672.21	674.55	4/22/2003	Saprolite	PVC	14

Well Construction Details - Upper Piedmont Groundwater Monitoring and Research Station

Well name	Screened / Open Interval ft bls[1]		Screen / open hole diameter in	Screened or Open	Screen Slot Size in	Type of well	Comments
MW-N1S	5	15	4	Screened	0.01	Type II	1 - Feet below land surface; 2 - Feet above Mean Sea Level. An earlier survey calculated relative elevations based on a temporary benchmark elevation of 100'. These true elevations were derived by tying both well transects to USGS benchmark "93 MAX", located at Salem Church, 2020 Wentworth St; benchmark elevation=860.929' above mean sea level, NGVD 1929.
MW-N1I	50	65	4	Screened	0.01	Type II	
MW-N1D	100	300	6 1/8	Open		Type III	
MW-N2S	3	13	4	Screened	0.01	Type II	
MW-N2I	25	50	6 1/8	Open		Type II	
MW-N2D	60	300	6 1/8	Open		Type III	
MW-N3I	15	30	4	Screened	0.01	Type II	
MW-N3D	40	260	6 1/8	Open		Type III	
MW-N4I	44	70	6 1/8	Open		Type II	
MW-N4D	80	300	6 1/8	Open		Type III	
MW-S1I	35	50	4	Screened	0.01	Type II	
MW-S1D	61.5	301	6 1/8	Open		Type III	
MW-S3S	23	38	4	Screened	0.01	Type II	
MW-S3UI	45	55	4	Screened	0.01	Type II	
MW-S3LI	63	73	4	Screened	0.01	Type II	
MW-S3D	87.5	438	6 1/8	Open		Type III	
MW-S4S	5	15	4	Screened	0.01	Type II	
MW-S4I	25	35	6 1/8	Open		Type II	
MW-S4D	77	380	6 1/8	Open		TypeIII	
PZ-1	40	50	2	Screened	0.01	Type II	
PZ-2	14	24	2	Screened	0.01	Type II	
PZ-3	29	39	2	Screened	0.01	Type II	
PZ-4	21	31	2	Screened	0.01	Type II	
PZ-5	16	26	2	Screened	0.01	Type II	
PZ-5I	30	40	2	Screened	0.01	Type II	
PZ-5D	70	90	2	Open		Type II	
PZ-6	8	13	2	Screened	0.01	Type II	
PZ-6I	30	40	2	Screened	0.01	Type II	
PZ-6D	70	90	2	Open		Type II	
PZ-7	14	19	2	Screened	0.01	Type II	
PZ-7I	30	40	2	Screened	0.01	Type II	
PZ-7D	75	95	2	Open		Type II	
PZ-8	14	24	2	Screened	0.01	Type II	