

Well Construction Details - North Carolina Zoo Groundwater Monitoring and Research Station

Well name	Latitude	Longitude	Total depth ft bls <sup>1</sup>	Well yield (approximate) gpm	Land surface elevation ft above msl <sup>2</sup>	Measuring point elevation ft above msl <sup>2</sup>	Completion Date	Ground water zone	Casing Type	Casing / Riser Depth ft bls <sup>1</sup>
CH-1	35.617853628	-79.753330207	185		598.85	602.02	7/25/2006		PVC	30
CH-2	35.618743981	-79.755664930	98		636.09	639.47	10/31/2006		PVC	37
CH-3	35.620021784	-79.757676283	175		665.53	668.78	10/4/2006		PVC	53
MW-1S	35.617778565	-79.753275552	20.5	1.0	596.93	599.86	3/7/2007	Saprolite	PVC	5.5
MW-1UI	35.617923880	-79.753316254	43	1.0	599.25	602.25	3/28/2007	Transition	PVC	28
MW-1LI	35.617812900	-79.753355913	70	5.0	599.34	602.34	4/3/2007	Transition	PVC	50
MW-1D	35.617797306	-79.753306980	300	5.0	598.12	601.13	3/21/2007	Bedrock	GALV	85
MW-2S	35.618805391	-79.755697438	30	1.0	637.05	639.96	2/20/2007	Saprolite	PVC	15
MW-2I	35.618833259	-79.755704801	60	3.0	637.68	640.83	2/20/2007	Transition	PVC	40
MW-2D	35.618811528	-79.755723049	260	10.0	638.97	641.94	12/11/2006	Bedrock	GALV	69.9
MW-3S	35.620053665	-79.757622956	36	1.0	665.30	668.24	12/5/2006	Saprolite	PVC	16
MW-3I	35.619989280	-79.757615077	63	5.0	665.18	668.09	11/29/2006	Transition	PVC	43
MW-3D	35.619938366	-79.757594333	180	5.0	665.14	668.10	11/28/2006	Bedrock	GALV	74.5
PZ-S1	35.618773650	-79.755683322	30		636.10	639.35	2/27/2007	Saprolite	PVC	15
PZ-S2	35.618753795	-79.755736420	30		638.82	641.85	2/28/2007	Saprolite	PVC	15
PZ-I1	35.618836888	-79.755866543	60		640.30	643.23	2/28/2007	Transition	PVC	40
PZ-D1	35.618807332	-79.755779763	90		639.81	642.50	2/27/2007	Bedrock	PVC	70
PZ-D2	35.618690513	-79.755736345	100		637.50	640.52	3/5/2007	Bedrock	PVC	70

1 - Feet below land surface

2 - Feet above Mean Sea Leve

nt - not tested

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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 <sup>1</sup>					
CH-1	30	185	3	Open			Converted from corehole
CH-2	37	98	3	Open			Converted from corehole
CH-3	53	175	3	Open			Converted from corehole
MW-1S	5.5	20.5	4	Screened	0.01	Type II	
MW-1UI	28	43	4	Screened	0.01	Type II	
MW-1LI	53	73	4	Screened	0.01	Type II	
MW-1D	85	300	6 1/8	Open		Type III	water at 98 ft and yield reduced after 160 ft bls <sup>1</sup>
MW-2S	15	30	4	Screened	0.01	Type II	
MW-2I	40	60	4	Screened	0.01	Type II	
MW-2D	69.9	260	6 1/8	Open		Type III	water at about 75 ft and between 90 & 100 ft bls <sup>1</sup>
MW-3S	16	36	4	Screened	0.01	Type II	
MW-3I	43	63	4	Screened	0.01	Type II	
MW-3D	74.5	180	6 1/8	Open		Type III	water from 75 -85 ft and from 130-135 ft bls <sup>1</sup>
PZ-S1	15	30	2	Screened	0.01	Type II	
PZ-S2	15	30	2	Screened	0.01	Type II	
PZ-I1	40	60	2	Screened	0.01	Type II	
PZ-D1	70	90	2	Screened	0.01	Type II	
PZ-D2	70	100	2	Screened	0.01	Type II	

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