

Water quality data collected by USGS from select wells
at North Carolina Zoo Groundwater Research Station, Asheboro, NC

Sample ID	Sample Data	pH	Alk. P-N* mg/L	Total diss. solids, mg/L	Bromide mg/L	Sp. cond uS/cm	Alkalinity as CaCo3, mg/L	Ammonia mg/L	Nitrite mg/L	Nitrite+nitrate as N, mg/L	Ortho-PO4 mg/L	Calcium mg/L	Magnesium mg/L
MW-1S	20080304	6.9	E0.04	185	0.09	281	144	<0.02	<0.002	E0.034	0.036	35.4	4.59
MW-1UI	20080304	7.6	<0.06	318	0.16	522	284	E0.011	<0.002	<0.04	0.015	71.2	10.9
MW-1LI	20080304	7.6	<0.06	303	0.17	484	264	E0.012	<0.002	<0.04	0.013	64.7	10.8
MW-1D	20070502	7.8	E0.06	214	0.15	353	181	<0.02	<0.002	<0.060	0.01	42.9	7.2
MW-1D	20080304	7.7	E0.03	217	0.24	377	200	E0.012	<0.002	<0.04	0.011	51.2	7.6
CH-1	20070502	7.7	0.07	206	0.15	369	195	E0.013	<0.002	<0.060	0.009	42.6	8.65
MW-2S	20080303	5.6	0.12	35	E0.02	26	9	<0.02	<0.002	0.124	E0.006	0.69	0.216
MW-2I	20080303	5.9	<0.06	35	E0.01	31	13	<0.02	<0.002	<0.04	0.01	1.41	0.429
MW-2D	20070501	6.8	0.33	87	E0.01	85	39	<0.02	<0.002	<0.060	0.023	6.6	0.83
MW-2D	20080303	6.5	<0.06	91	E0.01	100	49	<0.02	<0.002	E0.027	0.027	12.5	0.999
MW-2D	20071030	6.2	<0.06	86	E0.01			<0.02	<0.002	<0.04	0.026	9.52	0.837
CH-2	20070501	6.5	0.41	59	E0.02	68	29	<0.02	<0.002	<0.060	0.011	4.17	0.848
MW-3S	20080303	5.9	E0.05	66	E0.02	63	28	<0.02	<0.002	0.044	0.01	3.51	0.539
MW-3I	20080303	6.1	0.5	92	E0.02	83	36	<0.02	<0.002	0.471	0.058	5.8	1.04
MW-3D	20080303	7.1	<0.06	143	E0.01	195	94	<0.02	<0.002	E0.020	0.021	14.8	4.95

Sample ID	Sample Data	Sodium mg/L	Potassium mg/L	Chloride mg/L	Sulfate mg/L	Fluoride mg/L	Silica mg/L	Arsenic ug/L	Barium ug/L	Beryllium ug/L	Boron ug/L	Cadmium ug/L	Chromium ug/L
MW-1S	20080304	13.5	2.98	3.23	3.08	<0.12	32.8	0.2	26.4	<0.008	2.5	<0.04	E0.09
MW-1UI	20080304	24.4	4.53	3.79	2.02	E0.11	28	1.1	63.3	E0.007	4.9	<0.04	<0.1
MW-1LI	20080304	22.3	4.17	3.51	1.81	E0.11	27.4	0.8	53.3	0.01	4.4	<0.04	<0.1
MW-1D	20070502	19.4	3.68	4.2	2.37	0.13	23.3	1.1	22.6	<0.06	8.6	E0.02	<0.1
MW-1D	20080304	14.6	2.99	4.28	0.62	E0.10	23.4	0.9	19.3	E0.006	3.1	<0.04	<0.1
CH-1	20070502	20.2	3.09	4.16	0.88	0.13	25.1	0.9	25.7	<0.06	4.5	<0.04	E0.1
MW-2S	20080303	2.82	1.41	1.82	0.99	<0.12	20.1	<0.06	18	0.06	14.3	0.25	E0.07
MW-2I	20080303	3.73	1.1	2.06	0.28	<0.12	21.5	<0.06	23.3	0.05	1.7	<0.04	E0.07
MW-2D	20070501	6.33	1.36	2.34	0.53	<0.10	29.4	0.7	11.5	<0.06	1.8	E0.02	0.2
MW-2D	20080303	6.44	1.28	2.27	0.45	<0.12	31.2	0.3	14.9	0.02	1.6	<0.04	0.2
MW-2D	20071030	6.14	1.19	2.23	0.67	<0.12	30.3	0.2	13.7	0.01	E4	<0.04	0.1
CH-2	20070501	7.57	1.04	2.6	0.62	<0.10	32.6	<0.1	16.7	E0.04	2.2	0.1	0.2
MW-3S	20080303	7.77	1.1	3.08	0.73	<0.12	38.1	E0.05	23.5	E0.005	1.6	E0.03	E0.1
MW-3I	20080303	9.77	1.08	3.07	0.96	<0.12	45.7	0.09	23.8	0.01	1.9	E0.02	E0.06
MW-3D	20080303	16	5.11	2.96	4.27	0.2	42.7	0.2	6	0.04	2.7	<0.04	E0.1

Note: Samples of metals, fluoride, silica, and nitrite+nitrate were filtered samples; other samples were not filtered; *Alkaline persulfate-nitrogen, fcc

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Sample ID	Sample Data	Cobalt ug/L	Copper ug/L	Iron ug/L	Lead ug/L	Manganese ug/L	Molybdenum ug/L	Nickel ug/L	Silver ug/L	Zinc ug/L	Antimony ug/L	Aluminum ug/L	Selenium ug/L	Uranium ug/L
MW-1S	20080304	0.108	<1	<8	<0.08	26.1	1.2	0.48	<0.1	<1.8	<0.1	<1.6	0.04	0.22
MW-1UI	20080304	0.5	<1	<8	<0.08	277	1.2	0.39	<0.1	<1.8	<0.1	<1.6	E0.04	0.17
MW-1LI	20080304	0.274	<1	9	<0.08	257	1.1	0.35	<0.1	<1.8	<0.1	E1.6	E0.03	0.2
MW-1D	20070502	0.3	<0.4	E6	<0.12	371	3.9	0.14	<0.1	301	0.2	2.2	<0.08	0.08
MW-1D	20080304	0.108	<1	21	0.12	240	1.3	1.17	<0.1	423	<0.1	E1.2	E0.04	0.07
CH-1	20070502	0.06	<0.4	17	<0.12	112	1.4	0.22	<0.1	E0.5	0.07	11.8	<0.08	0.05
MW-2S	20080303	1.32	E0.851	E6	E0.05	139	<0.2	3.69	<0.1	12.8	<0.1	13.9	0.04	<0.02
MW-2I	20080303	0.023	<1	<8	<0.08	26.5	<0.2	0.53	<0.1	4.9	<0.1	3.5	<0.04	<0.02
MW-2D	20070501	0.06	E0.33	15	0.14	32.8	0.5	0.4	<0.1	3230	0.2	E1	0.9	0.07
MW-2D	20080303	0.358	E0.729	16	0.15	144	<0.2	1.2	<0.1	3900	E0.1	E1.2	0.2	0.05
MW-2D	20071030	0.3	E0.948	17	0.58	107	E0.1	0.25	<0.1	4770	E0.1	<1.6	0.3	0.05
CH-2	20070501	0.2	3.17	36	<0.12	57.8	1.1	1.04	0.16	6	<0.06	7.6	E0.05	<0.04
MW-3S	20080303	0.09	<1	10	<0.08	20.1	<0.2	0.68	<0.1	1.9	<0.1	11.2	E0.03	<0.02
MW-3I	20080303	0.075	<1	<8	<0.08	29.6	<0.2	0.44	<0.1	3.2	<0.1	2.6	E0.04	<0.02
MW-3D	20080303	0.099	<1	78	<0.08	150	0.4	0.48	<0.1	645	E0.1	<1.6	0.1	0.1