

WATER QUALITY DATA
MISCELLANEOUS STATION ANALYSES

Ground-water-quality data presented in these tables were collected from the following sites in Rockingham County during the 2005 water year for the ongoing Piedmont/Mountains ground-water study in cooperation with the North Carolina Department of Environment and Natural Resources, Division of Water Quality, Groundwater Section. Well locations for these sites listed in the following table are shown in figure 8.

Date	Time	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unflab, uS/cm (90095)	Specif. conductance, wat unflab, uS/cm (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	
362334079421602 RK-228 UPPER PIEDMONT RS MW-N11 (LAT 36 23 35N LONG 079 42 17W)														
MAR 2005	07...	1315	65	672.27	742	2.5	25	6.1	187	195	15.2	15.3	7.23	1.59
362328079421701 RK-233 UPPER PIEDMONT RS MW-N3I (LAT 36 23 28N LONG 079 42 17W)														
MAR 2005	08...	0940	30	770.44	726	1.8	16	6.7	301	195	12.3	24.8	14.2	4.77
362231079410802 RK-240 UPPER PIEDMONT RS MW-S3UI (LAT 36 22 32N LONG 079 41 08W)														
MAR 2005	08...	1235	55	705.60	726	7.6	82	5.7	148	152	15.6	7.71	2.43	1.80
Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unflab, titr., mg/L as CaCO3 (00419)	Bicarbonate, wat unflab, titr., mg/L (00450)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt, mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	
362334079421602 RK-228 UPPER PIEDMONT RS MW-N11 (LAT 36 23 35N LONG 079 42 17W)														
MAR 2005	07...	13.9	72	88	.05	8.64	.2	39.6	3.6	125	<.04	1.99	<.008	2.04
362328079421701 RK-233 UPPER PIEDMONT RS MW-N3I (LAT 36 23 28N LONG 079 42 17W)														
MAR 2005	08...	20.8	104	127	.87	7.28	1.1	26.1	35.7	211	1.05	.30	E.007	1.46
362231079410802 RK-240 UPPER PIEDMONT RS MW-S3UI (LAT 36 22 32N LONG 079 41 08W)														
MAR 2005	08...	16.3	19	23	.03	6.81	<.1	43.1	2.0	130	<.04	9.96	<.008	10.0
Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)									
362334079421602 RK-228 UPPER PIEDMONT RS MW-N11 (LAT 36 23 35N LONG 079 42 17W)														
MAR 2005	07...	.039	<2	<7.0	E6	29.1								
362328079421701 RK-233 UPPER PIEDMONT RS MW-N3I (LAT 36 23 28N LONG 079 42 17W)														
MAR 2005	08...	<.006	<2	20	7,050	3,180								
362231079410802 RK-240 UPPER PIEDMONT RS MW-S3UI (LAT 36 22 32N LONG 079 41 08W)														
MAR 2005	08...	.006	<2	<7.0	E4	1.3								

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.