

WATER QUALITY DATA
MISCELLANEOUS STATION ANALYSES

Ground-water-quality data presented in these tables were collected from the following sites in Iredell 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)	Depth to bot sample intrval feet below LSD (72016)	Depth to top sample intrval feet below LSD (72015)	Altitude of land surface feet (72000)	Barometric pressure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unfltrd lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unfltrd lab, uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	
353135080524201 IR-130 LANGTREE RS MW-2S (REGOLITH WELL) (LAT 35 31 35N LONG 080 52 42W)														
JAN 2005	12...	1420	28	--	--	803	--	7.0	75	6.6	73	68	--	17.7
353135080524203 IR-132 LANGTREE RS MW-2D (QUARTZ DIORITE BEDROCK) (LAT 35 31 36N LONG 080 52 42W)														
JAN 2005	11...	1250	400	84	53	803	744	5.6	59	7.3	96	97	17.5	17.2
	12...	1040	400	400	89	803	745	4.6	48	7.7	118	119	17.5	16.9
353157080525301 IR-148 LANGTREE RS MW-3S (REGOLITH WELL) (LAT 35 31 57N LONG 080 52 53W)														
JAN 2005	14...	0930	20	--	--	762	744	5.7	61	5.4	33	29	11.0	17.3
353157080525302 IR-149 LANGTREE RS MW-3I (TRANSITION ZONE WELL) (LAT 35 31 57N LONG 080 52 53W)														
JAN 2005	13...	1645	73	--	--	762.92	741	11.9	126	6.1	89	89	--	16.5
353148080524702 IR-155 LANGTREE RS MW-5I (TRANSITION ZONE WELL) (LAT 35 31 48N LONG 080 52 47W)														
JAN 2005	13...	0930	35	--	--	785	--	7.2	76	6.4	59	58	18.5	17.0
Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicarbonate, wat unfltrd, 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)	
353135080524201 IR-130 LANGTREE RS MW-2S (REGOLITH WELL) (LAT 35 31 35N LONG 080 52 42W)														
JAN 2005	12...	6.58	3.15	.60	4.01	25	31	.03	2.84	<.1	29.2	.4	69	<.04
353135080524203 IR-132 LANGTREE RS MW-2D (QUARTZ DIORITE BEDROCK) (LAT 35 31 36N LONG 080 52 42W)														
JAN 2005	11...	10.3	2.71	1.96	5.11	42	51	.03	1.21	E.1	39.1	1.0	84	<.04
	12...	14.4	3.15	2.27	5.32	53	65	.04	1.25	E.1	38.6	1.3	101	<.04
353157080525301 IR-148 LANGTREE RS MW-3S (REGOLITH WELL) (LAT 35 31 57N LONG 080 52 53W)														
JAN 2005	14...	.69	.808	.55	4.23	9	11	E.02	3.10	<.1	8.13	1.3	26	<.04
353157080525302 IR-149 LANGTREE RS MW-3I (TRANSITION ZONE WELL) (LAT 35 31 57N LONG 080 52 53W)														
JAN 2005	13...	7.93	4.06	1.19	4.31	42	51	E.01	2.20	E.1	25.1	1.4	64	<.04
353148080524702 IR-155 LANGTREE RS MW-5I (TRANSITION ZONE WELL) (LAT 35 31 48N LONG 080 52 47W)														
JAN 2005	13...	5.18	2.62	.80	2.34	24	29	.02	2.48	<.1	22.6	.4	54	<.04

MISCELLANEOUS STATION ANALYSES—Continued

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by anal ysis, mg/L (62854)	Ortho-phosphate, 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)
353135080524201 IR-130 LANGTREE RS MW-2S (REGOLITH WELL) (LAT 35 31 35N LONG 080 52 42W)								
JAN 2005 12...	1.37	<.008	1.48	.066	<2	<7.0	7	E.4
353135080524203 IR-132 LANGTREE RS MW-2D (QUARTZ DIORITE BEDROCK) (LAT 35 31 36N LONG 080 52 42W)								
JAN 2005 11...	1.39	<.008	1.49	.038	<2	<7.0	E3	<.6
JAN 2005 12...	1.40	<.008	1.57	.035	<2	<7.0	E5	E.4
353157080525301 IR-148 LANGTREE RS MW-3S (REGOLITH WELL) (LAT 35 31 57N LONG 080 52 53W)								
JAN 2005 14...	.13	<.008	.17	<.006	<2	E6.1	9	10.2
353157080525302 IR-149 LANGTREE RS MW-3I (TRANSITION ZONE WELL) (LAT 35 31 57N LONG 080 52 53W)								
JAN 2005 13...	.26	<.008	.29	.013	<2	<7.0	9	1.9
353148080524702 IR-155 LANGTREE RS MW-5I (TRANSITION ZONE WELL) (LAT 35 31 48N LONG 080 52 47W)								
JAN 2005 13...	.86	<.008	.89	.022	<2	<7.0	8	1.3

Remark codes used in this table:

< -- Less than.

E -- Estimated.