

SANTEE RIVER BASIN

0214262175 LAKE NORMAN (WORK CREEK ARM) NEAR MOUNT MOURNE, NC

LOCATION.--Lat 35°32'00", long 80°52'47", Iredell County, Hydrologic Unit 03050101, approximately 1.9 mi west of Mt. Mourne.

DRAINAGE AREA.--1.8 mi²

PERIOD OF RECORD.--September 2002 to current year.

REMARKS.--Water-quality samples were collected during September 2002 to define water quality as part of 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SAM-PLING DEPTH (M) (00098)	PH WATER FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)
SEP													
03...	1300	5.9	7.1	76	25.6	15	3.13	1.69	1.90	7.23	<.03	6.90	E.1
03...	1500	.50	7.2	74	26.9	15	3.15	1.69	1.98	7.29	<.03	6.56	E.1

Date	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOSPHATE, DIS-SOLVED (MG/L AS P) (00671)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)
SEP													
03...	6.56	6.5	34	<.04	.18	<.05	<.008	<.02	<2	20	11	E.9	.1
03...	6.56	6.5	34	<.04	.15	<.05	<.008	<.02	<2	20	<10	E2.1	.2

Date	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	RADON 222 TOTAL (PCI/L) (82303)
SEP		
03...	1.7	10
03...	2.3	20

Remark codes used in this report:
 < -- Less than
 E -- Estimated value