

IREDELL COUNTY--Continued

353135080524203. County number, IR-132; DENR Langtree Research Station MW-2D (Bedrock well).

LOCATION.--Lat 35°31'35.62", long 80°52'42.29", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6 in., cased to 53 ft, open hole from 53 ft to 400 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at site.

DATUM.--Land-surface datum is 802.27 ft above sea level (levels by DENR). Measuring point: Top of instrument shelter floor, 1.39 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

PERIOD OF RECORD.--March 2001 to September 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 21.51 ft below land-surface datum, Apr. 9, 2001; lowest water level recorded 25.76 ft below land-surface datum, Sept. 12, 13, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR MARCH 2001 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	21.89	21.66	22.62	24.64	24.15	25.03
2	---	---	---	---	---	---	21.83	21.87	22.61	24.63	24.15	25.04
3	---	---	---	---	---	23.19	21.75	22.02	22.61	24.65	24.16	25.04
4	---	---	---	---	---	23.12	21.71	22.11	22.63	24.66	24.16	25.04
5	---	---	---	---	---	23.08	21.67	22.33	22.66	24.65	24.17	25.04
6	---	---	---	---	---	23.06	21.59	22.43	22.68	24.66	24.21	25.03
7	---	---	---	---	---	23.05	21.56	22.42	22.72	24.69	24.26	25.04
8	---	---	---	---	---	23.04	21.56	22.48	22.75	24.70	24.30	25.30
9	---	---	---	---	---	23.01	21.53	22.35	22.77	24.69	24.37	25.46
10	---	---	---	---	---	22.98	21.62	22.52	22.81	24.67	24.53	25.54
11	---	---	---	---	---	22.97	21.58	22.64	22.83	24.66	24.54	25.48
12	---	---	---	---	---	22.97	21.55	22.67	22.85	24.65	24.55	25.67
13	---	---	---	---	---	22.95	21.54	22.62	22.86	24.63	24.58	25.71
14	---	---	---	---	---	22.91	21.55	22.80	22.88	24.63	24.65	25.61
15	---	---	---	---	---	22.84	21.55	22.84	22.92	24.61	24.69	25.49
16	---	---	---	---	---	22.77	21.55	22.83	23.00	24.56	24.70	25.43
17	---	---	---	---	---	22.73	21.54	22.79	23.04	24.50	24.73	25.42
18	---	---	---	---	---	22.71	21.54	22.74	23.10	24.40	24.73	25.44
19	---	---	---	---	---	22.73	21.54	22.74	23.15	24.33	24.73	25.43
20	---	---	---	---	---	---	21.55	22.77	23.15	24.32	24.75	25.40
21	---	---	---	---	---	---	21.54	22.65	23.19	24.38	24.77	25.38
22	---	---	---	---	---	---	21.53	22.57	23.32	24.46	24.80	25.38
23	---	---	---	---	---	22.45	21.53	22.53	23.35	24.52	24.84	25.37
24	---	---	---	---	---	22.48	21.54	22.51	23.30	24.49	24.87	25.36
25	---	---	---	---	---	22.44	21.56	22.50	23.30	24.33	24.87	25.36
26	---	---	---	---	---	22.45	21.59	22.49	23.69	24.19	24.88	25.35
27	---	---	---	---	---	22.60	21.61	22.50	24.14	24.17	24.91	25.33
28	---	---	---	---	---	22.58	21.60	22.51	24.52	24.21	24.94	25.33
29	---	---	---	---	---	22.39	21.63	22.52	---	24.18	24.96	25.33
30	---	---	---	---	---	22.12	21.63	22.55	24.66	24.16	24.99	25.35
31	---	---	---	---	---	21.99	---	22.58	---	24.16	25.02	---

WTR YR 2001 MEAN 23.51 HIGH 21.53 LOW 25.71

