



Water-Data Report 2011

345609080415103 Local number UN-148 MINERAL SPRINGS RESEARCH STATION BEDROCK WELL

Piedmont and Blue Ridge crystalline-rock aquifers
Bedrock Undifferentiated

Union County, NC

LOCATION.--Lat 34°56'09.31", long 80°41'51.13" referenced to North American Datum of 1983, Union County, NC, Hydrologic Unit 03050103, 1.6 mi west of Mineral Springs, NC. Owner: NCDCA (North Carolina Department of Agriculture).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth to 305 ft, diameter 6 in., cased to 49 ft, open borehole below casing.

DATUM.--Land-surface datum is 673.49 above North American Vertical Datum of 1988. Measuring point: top of casing, 4.10 ft above land surface datum, August 2010 to present.

PERIOD OF RECORD.--September 2010 to current year. Continuous records began March 2011.

PRECIPITATION: March to September 2011, published as station 345609080415145.

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

REMARKS.--Well is part of the Catawba-Wateree Drought Monitoring Network.

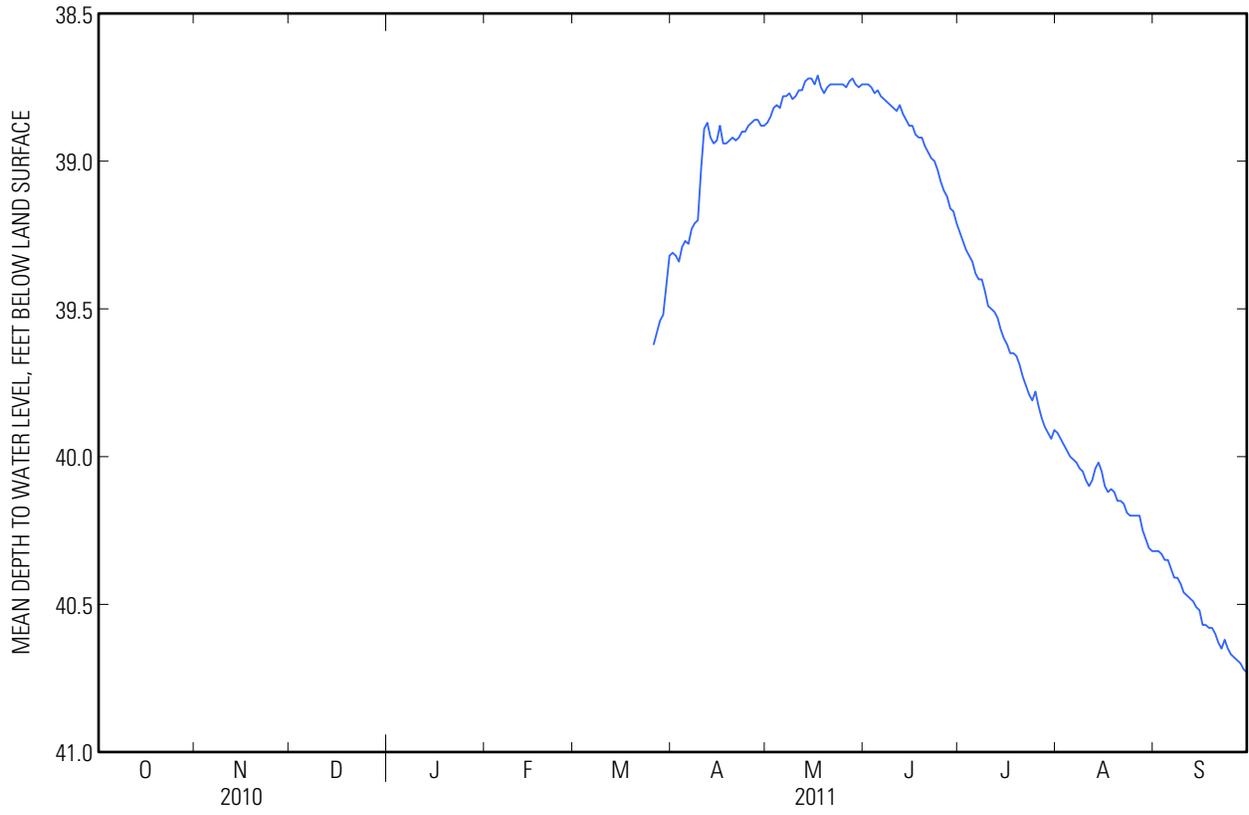
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.35 ft below land-surface datum, September 22, 2010; lowest water level recorded, 40.86 ft below land-surface datum, September 30, 2011.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	39.31	38.87	38.74	39.24	39.92	40.32
2	---	---	---	---	---	---	39.32	38.85	38.74	39.27	39.94	40.32
3	---	---	---	---	---	---	39.34	38.82	38.75	39.30	39.96	40.33
4	---	---	---	---	---	---	39.29	38.81	38.77	39.32	39.98	40.35
5	---	---	---	---	---	---	39.27	38.82	38.76	39.34	40.00	40.35
6	---	---	---	---	---	---	39.28	38.78	38.78	39.38	40.01	40.38
7	---	---	---	---	---	---	39.23	38.78	38.79	39.40	40.02	40.41
8	---	---	---	---	---	---	39.21	38.77	38.80	39.40	40.04	40.41
9	---	---	---	---	---	---	39.20	38.79	38.81	39.44	40.05	40.43
10	---	---	---	---	---	---	39.03	38.78	38.82	39.49	40.08	40.46
11	---	---	---	---	---	---	38.89	38.76	38.83	39.50	40.10	40.47
12	---	---	---	---	---	---	38.87	38.76	38.81	39.51	40.08	40.48
13	---	---	---	---	---	---	38.92	38.73	38.84	39.53	40.04	40.49
14	---	---	---	---	---	---	38.94	38.72	38.86	39.57	40.02	40.51
15	---	---	---	---	---	---	38.93	38.72	38.88	39.60	40.05	40.52
16	---	---	---	---	---	---	38.88	38.74	38.88	39.62	40.10	40.57
17	---	---	---	---	---	---	38.94	38.71	38.91	39.65	40.12	40.57
18	---	---	---	---	---	---	38.94	38.75	38.92	39.65	40.11	40.58
19	---	---	---	---	---	---	38.93	38.77	38.92	39.66	40.12	40.58
20	---	---	---	---	---	---	38.92	38.75	38.95	39.69	40.15	40.60
21	---	---	---	---	---	---	38.93	38.74	38.97	39.73	40.15	40.63
22	---	---	---	---	---	---	38.92	38.74	38.99	39.76	40.16	40.65
23	---	---	---	---	---	---	38.90	38.74	39.00	39.79	40.19	40.62
24	---	---	---	---	---	---	38.90	38.74	39.03	39.81	40.20	40.65
25	---	---	---	---	---	---	38.88	38.74	39.07	39.78	40.20	40.67
26	---	---	---	---	---	39.62	38.87	38.75	39.10	39.83	40.20	40.68
27	---	---	---	---	---	39.58	38.86	38.73	39.12	39.87	40.20	40.69
28	---	---	---	---	---	39.54	38.86	38.72	39.16	39.90	40.25	40.70
29	---	---	---	---	---	39.52	38.88	38.74	39.17	39.92	40.28	40.72
30	---	---	---	---	---	39.42	38.88	38.75	39.21	39.94	40.31	40.73
31	---	---	---	---	---	39.32	---	38.74	---	39.91	40.32	---
Mean	---	---	---	---	---	---	39.02	38.76	38.91	39.61	40.11	40.53
Max	---	---	---	---	---	---	39.34	38.87	39.21	39.94	40.32	40.73
Min	---	---	---	---	---	---	38.86	38.71	38.74	39.24	39.92	40.32

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