



Water-Data Report 2010

**353135080524201 Local number IR-130, NCDENR LANGTREE RESEARCH STATION MW-2S NEAR MOUNT MOURNE, NC (REGOLITH)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'35", long 80°52'42" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 28 ft, diameter 4 in., cased to 13 ft, screened interval from 13 to 28 ft, sand filter packed from 10 to 28 ft.

DATUM.--Land-surface datum is 803.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: floor of recorder shelter, 1.08 ft above land-surface datum, March 1, 2001, to present.

PERIOD OF RECORD.--March 2001 to current year.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.39 ft below land-surface datum, June 19, 2003; lowest water level recorded, 24.91 ft below land-surface datum, November 5, 2002.

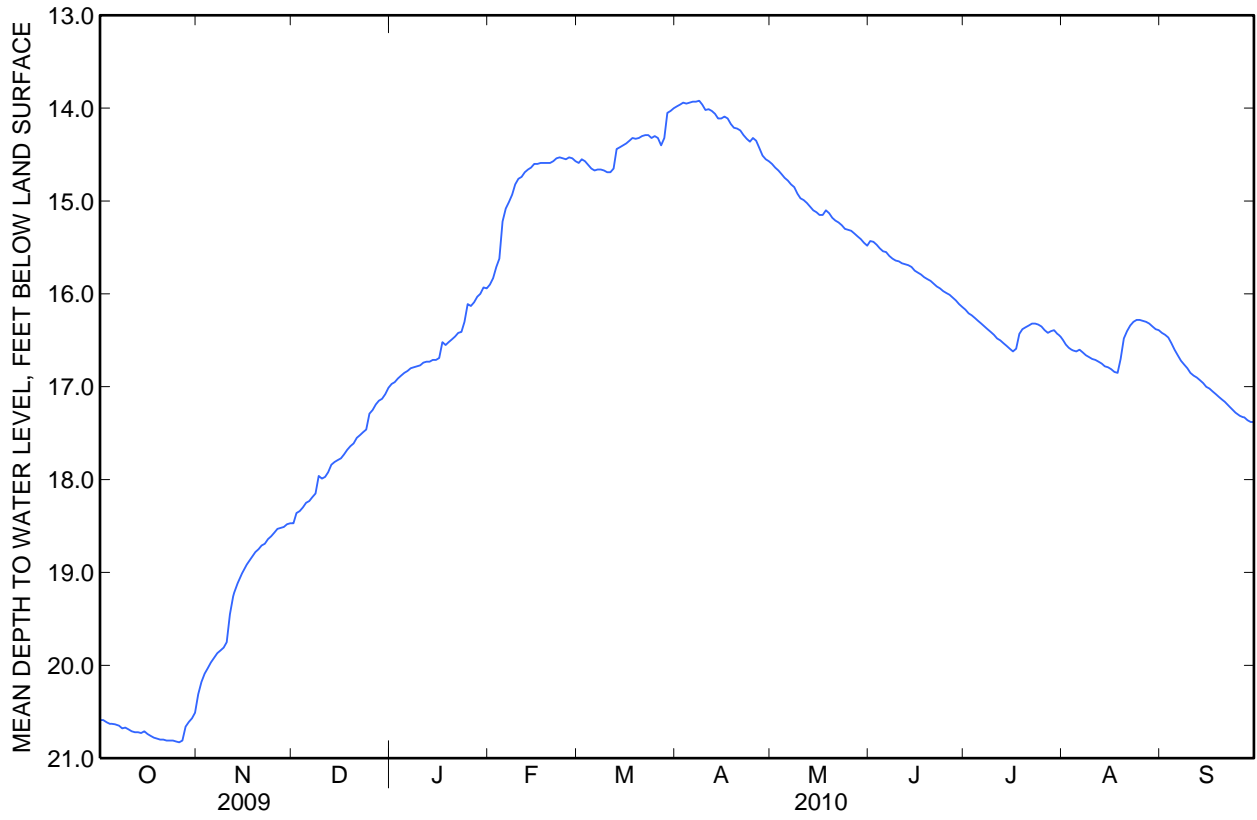
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Continued

**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010  
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20.59	20.31	18.47	16.97	15.90	14.59	13.98	14.60	15.43	16.17	16.51	16.42
2	20.59	20.18	18.36	16.95	15.83	14.55	13.96	14.64	15.44	16.21	16.56	16.44
3	20.61	20.09	18.34	16.91	15.71	14.57	13.94	14.67	15.47	16.23	16.59	16.47
4	20.63	20.03	18.30	16.88	15.62	14.61	13.95	14.71	15.51	16.26	16.61	16.53
5	20.63	19.97	18.25	16.85	15.22	14.65	13.94	14.75	15.54	16.29	16.62	16.60
6	20.64	19.92	18.23	16.83	15.08	14.67	13.93	14.78	15.55	16.32	16.60	16.66
7	20.65	19.87	18.19	16.80	15.01	14.66	13.93	14.82	15.59	16.35	16.63	16.72
8	20.68	19.84	18.15	16.79	14.93	14.66	13.92	14.85	15.62	16.38	16.66	16.76
9	20.67	19.81	17.96	16.78	14.82	14.67	13.96	14.92	15.64	16.41	16.68	16.80
10	20.69	19.75	17.99	16.77	14.76	14.69	14.02	14.97	15.65	16.44	16.70	16.85
11	20.71	19.45	17.97	16.74	14.74	14.69	14.01	14.99	15.67	16.48	16.71	16.88
12	20.72	19.26	17.92	16.73	14.69	14.65	14.03	15.02	15.68	16.50	16.73	16.90
13	20.72	19.15	17.84	16.73	14.66	14.44	14.06	15.06	15.69	16.53	16.75	16.93
14	20.73	19.07	17.81	16.71	14.64	14.42	14.11	15.10	15.71	16.56	16.78	16.96
15	20.71	19.00	17.79	16.71	14.60	14.40	14.11	15.12	15.75	16.59	16.79	17.00
16	20.74	18.93	17.77	16.69	14.60	14.38	14.09	15.15	15.77	16.62	16.81	17.02
17	20.76	18.88	17.73	16.52	14.59	14.35	14.11	15.15	15.79	16.59	16.84	17.05
18	20.78	18.83	17.68	16.55	14.59	14.32	14.17	15.10	15.82	16.43	16.85	17.08
19	20.79	18.78	17.64	16.52	14.59	14.33	14.21	15.13	15.84	16.38	16.70	17.11
20	20.80	18.75	17.61	16.49	14.59	14.32	14.22	15.18	15.86	16.36	16.48	17.14
21	20.80	18.71	17.55	16.46	14.57	14.30	14.24	15.21	15.89	16.34	16.40	17.17
22	20.81	18.69	17.52	16.42	14.54	14.29	14.29	15.23	15.92	16.32	16.34	17.20
23	20.81	18.64	17.49	16.41	14.53	14.29	14.33	15.26	15.94	16.32	16.30	17.24
24	20.81	18.61	17.46	16.30	14.54	14.32	14.36	15.30	15.97	16.33	16.28	17.27
25	20.82	18.57	17.29	16.11	14.55	14.30	14.32	15.31	15.99	16.35	16.28	17.30
26	20.83	18.53	17.25	16.13	14.53	14.32	14.35	15.32	16.01	16.39	16.29	17.32
27	20.81	18.52	17.19	16.09	14.54	14.40	14.43	15.35	16.04	16.42	16.30	17.33
28	20.66	18.51	17.15	16.03	14.57	14.32	14.51	15.38	16.07	16.40	16.32	17.36
29	20.61	18.48	17.13	16.00	---	14.05	14.55	15.41	16.11	16.39	16.35	17.38
30	20.57	18.47	17.08	15.93	---	14.03	14.57	15.45	16.14	16.43	16.38	17.38
31	20.51	---	17.01	15.94	---	14.00	---	15.48	---	16.46	16.39	---
<b>Mean</b>	20.71	19.19	17.75	16.54	14.84	14.43	14.15	15.08	15.77	16.40	16.56	16.98
<b>Max</b>	20.83	20.31	18.47	16.97	15.90	14.69	14.57	15.48	16.14	16.62	16.85	17.38
<b>Min</b>	20.51	18.47	17.01	15.93	14.53	14.00	13.92	14.60	15.43	16.17	16.28	16.42

Water Year 2010	
<b>Mean</b>	16.55
<b>High</b>	13.92
<b>Low</b>	20.83

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