



Water-Data Report 2010

**352012081154302 Local number GS-290 PASOUR MOUNTAIN RESEARCH STATION, TRANSITION ZONE WELL, PM-3, NEAR DALLAS, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Gaston County, NC

LOCATION.--Lat 35°20'12.50", long 81°15'43.45" referenced to North American Datum of 1983, Gaston County, NC, Hydrologic Unit 03050102, 3.8 mi north of Bessemer City, 5 mi west of Dallas.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, drilled to 130 ft, diameter 4 in., cased to 107 ft, open borehole 107 to 130 ft, borehole diameter 3 3/4 in. Grout capped with concrete slab and stand pipe anchored to concrete slab at land surface. Instrument shelter attached to top of stand pipe.

DATUM.--Land-surface datum is 925.82 ft above North American Vertical Datum of 1988 (levels by North Carolina Department of Environment and Natural Resources). Measuring point: Top of casing, 2.87 ft above land-surface datum, April 2010 to present.

PERIOD OF RECORD.--April 2010 to September 2010.

PRECIPITATION: April 2010 to September 2010, published as station 352012081154345.

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, 23.26 ft below land-surface datum, April 25, 26, 2010; lowest water level recorded, 34.23 ft below land-surface datum, September 30, 2010.

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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	---	---	---	---	---	---	---	23.78	25.99	28.15	30.47	32.58
2	---	---	---	---	---	---	---	23.82	26.03	28.23	30.59	32.62
3	---	---	---	---	---	---	---	23.86	26.10	28.29	30.66	32.64
4	---	---	---	---	---	---	---	23.91	26.20	28.34	30.71	32.72
5	---	---	---	---	---	---	---	23.98	26.28	28.40	30.75	32.80
6	---	---	---	---	---	---	---	24.02	26.31	28.48	30.82	32.88
7	---	---	---	---	---	---	---	24.09	26.46	28.54	30.92	32.95
8	---	---	---	---	---	---	---	24.11	26.58	28.59	31.01	32.97
9	---	---	---	---	---	---	---	24.32	26.62	28.65	31.09	33.00
10	---	---	---	---	---	---	---	24.44	26.66	28.72	31.16	33.06
11	---	---	---	---	---	---	---	24.48	26.78	28.82	31.21	33.12
12	---	---	---	---	---	---	---	24.50	26.84	28.88	31.26	33.19
13	---	---	---	---	---	---	---	24.58	26.86	28.98	31.34	33.27
14	---	---	---	---	---	---	---	24.66	26.91	29.10	31.44	33.33
15	---	---	---	---	---	---	---	24.69	27.00	29.19	31.51	33.40
16	---	---	---	---	---	---	---	24.72	27.07	29.27	31.59	33.44
17	---	---	---	---	---	---	---	24.76	27.11	29.35	31.66	33.49
18	---	---	---	---	---	---	---	24.81	27.20	29.43	31.72	33.58
19	---	---	---	---	---	---	---	24.90	27.26	29.49	31.75	33.63
20	---	---	---	---	---	---	---	25.05	27.31	29.59	31.83	33.67
21	---	---	---	---	---	---	23.36	25.16	---	29.67	31.91	33.75
22	---	---	---	---	---	---	23.41	25.21	27.54	29.75	31.95	33.81
23	---	---	---	---	---	---	23.46	25.29	27.58	29.82	32.01	33.88
24	---	---	---	---	---	---	23.49	25.39	27.61	29.89	32.08	33.93
25	---	---	---	---	---	---	23.32	25.48	27.67	29.96	32.16	33.95
26	---	---	---	---	---	---	23.30	25.48	27.71	30.05	32.24	34.00
27	---	---	---	---	---	---	23.44	25.52	27.75	30.12	32.31	34.03
28	---	---	---	---	---	---	23.65	25.62	27.82	30.19	32.39	34.09
29	---	---	---	---	---	---	23.75	25.75	27.93	30.23	32.46	34.16
30	---	---	---	---	---	---	23.75	25.86	28.05	30.30	32.52	34.18
31	---	---	---	---	---	---	---	25.96	---	30.38	32.55	---
<b>Mean</b>	---	---	---	---	---	---	23.49	24.78	27.01	29.25	31.55	33.40
<b>Max</b>	---	---	---	---	---	---	23.75	25.96	28.05	30.38	32.55	34.18
<b>Min</b>	---	---	---	---	---	---	23.30	23.78	25.99	28.15	30.47	32.58

<b>Water Year 2010</b>	
<b>Mean</b>	28.85
<b>High</b>	23.30
<b>Low</b>	34.18

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