

Water-Data Report 2011

**351132079275301 Local number MO-248 PINEHURST 5A AT PINEHURST, NC (BLACK CREEK)**

Northern Atlantic Coastal Plain aquifer system  
Black Creek Aquifer

Moore County, NC

LOCATION.--Lat 35°11'32", long 79°27'53" referenced to North American Datum of 1983, Moore County, NC, Hydrologic Unit 03040203, 0.07 mi southeast of Palmetto Road and 0.5 mi northeast of intersection of North Carolina Highway 5 and North Carolina Highway 2. Owner: Moore County Public Utilities.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 132 ft, diameter 8 in., cased to 92 ft, screened interval from 92 ft to 118 ft and 120 ft to 130 ft.

DATUM.--Land-surface datum is 507 ft above North American Vertical Datum of 1988(from topographic map). Measuring point: top of well casing, 2.29 ft above land-surface datum, March 2011 to present.

PERIOD OF RECORD.--March to September 2011.

GAGE.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at site.

REMARKS.--Well is completed in the Black Creek aquifer. Water levels are affected by pumping of nearby water-supply wells. Well is part of the Moore County groundwater monitoring network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 44.96 ft below land-surface datum, April 5, 2011; lowest water level recorded, 62.45 ft below land-surface datum, August 5, 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	---	---	---	---	---	---	53.48	52.17	55.47	55.86	56.26	55.71
2	---	---	---	---	---	---	53.72	52.58	54.83	56.26	56.41	55.88
3	---	---	---	---	---	---	53.78	52.76	55.00	55.26	56.94	55.48
4	---	---	---	---	---	---	52.98	49.30	54.87	55.60	56.56	54.71
5	---	---	---	---	---	---	53.62	49.79	53.70	55.11	55.96	55.03
6	---	---	---	---	---	---	51.22	52.14	55.82	56.20	54.30	54.19
7	---	---	---	---	---	---	53.65	47.27	56.26	54.41	53.98	53.98
8	---	---	---	---	---	---	53.68	45.60	56.07	55.34	55.44	55.06
9	---	---	---	---	---	---	53.82	49.18	55.37	55.19	55.33	54.94
10	---	---	---	---	---	---	53.83	52.26	54.36	55.72	56.11	54.66
11	---	---	---	---	---	---	53.51	53.46	51.26	55.89	55.75	54.78
12	---	---	---	---	---	---	53.54	51.03	53.25	56.15	55.96	55.42
13	---	---	---	---	---	---	54.12	55.60	54.03	54.02	54.21	55.24
14	---	---	---	---	---	---	54.17	56.11	54.04	53.63	53.62	55.78
15	---	---	---	---	---	---	54.26	53.99	54.02	55.79	54.81	54.38
16	---	---	---	---	---	---	54.03	54.15	54.55	56.05	55.09	54.62
17	---	---	---	---	---	---	54.29	53.38	55.58	55.74	55.99	53.47
18	---	---	---	---	---	---	50.18	53.51	54.20	55.11	55.57	53.41
19	---	---	---	---	---	---	53.19	53.36	54.09	55.38	56.60	54.97
20	---	---	---	---	---	---	54.16	53.98	55.90	55.82	55.87	54.38
21	---	---	---	---	---	---	47.86	54.97	55.50	56.36	55.05	54.63
22	---	---	---	---	---	---	45.61	55.98	50.50	55.77	55.25	52.24
23	---	---	---	---	---	---	45.31	54.25	53.65	55.55	55.30	52.94
24	---	---	---	---	---	---	45.23	54.36	55.72	55.01	55.93	53.11
25	---	---	---	---	---	---	51.00	54.95	55.49	55.30	55.47	52.85
26	---	---	---	---	---	---	50.55	55.09	57.21	55.59	55.38	53.24
27	---	---	---	---	---	---	51.08	52.59	54.44	55.28	53.07	52.95
28	---	---	---	---	---	---	51.18	52.29	53.80	55.68	54.87	53.86
29	---	---	---	---	---	---	51.62	53.07	54.02	56.29	56.28	53.62
30	---	---	---	---	---	---	52.12	54.83	56.01	55.99	54.83	53.04
31	---	---	---	---	---	53.28	---	55.41	---	54.48	55.62	---
<b>Mean</b>	---	---	---	---	---	---	52.03	52.88	54.63	55.48	55.41	54.29
<b>Max</b>	---	---	---	---	---	---	54.29	56.11	57.21	56.36	56.94	55.88
<b>Min</b>	---	---	---	---	---	---	45.23	45.60	50.50	53.63	53.07	52.24

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