

Water-Data Report 2011

351134079284901 Local number MO-245 PINEHURST 2 AT PINEHURST, NC (BLACK CREEK)

Northern Atlantic Coastal Plain aquifer system
Black Creek Aquifer

Moore County, NC

LOCATION.--Lat 35°11'34", long 79°28'49" referenced to North American Datum of 1983, Moore County, NC, Hydrologic Unit 03030004, west of Pinehurst on McKenzie Road and 0.4 mi northwest 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 165 ft, diameter 2 in., cased to 145 ft, screened interval from 145 ft to 165 ft.

DATUM.--Land-surface datum is 534 ft above North American Vertical Datum of 1988 (from topographic map). Measuring point: top of well casing, 3.11 ft above land-surface datum, April 2011 to present.

PERIOD OF RECORD.--April 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, 69.20 ft below land-surface datum, April 2, 2011; lowest water level recorded, 95.51 ft below land-surface datum, September 30, 2011; however, water-level may have been lower during periods of missing data.

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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	---	---	---	---	---	---	---	77.73	83.43	84.68	---	---
2	---	---	---	---	---	---	76.41	78.29	82.79	85.30	---	---
3	---	---	---	---	---	---	76.81	78.28	82.84	83.79	---	---
4	---	---	---	---	---	---	78.66	76.17	82.81	84.20	---	---
5	---	---	---	---	---	---	80.05	76.70	80.70	83.42	---	---
6	---	---	---	---	---	---	75.81	77.61	83.98	85.02	82.46	---
7	---	---	---	---	---	---	77.96	76.76	85.36	82.50	82.20	---
8	---	---	---	---	---	---	78.47	77.69	84.86	---	---	---
9	---	---	---	---	---	---	78.15	79.10	83.93	---	---	---
10	---	---	---	---	---	---	77.56	78.04	83.12	---	---	---
11	---	---	---	---	---	---	79.47	80.14	83.27	---	---	---
12	---	---	---	---	---	---	77.69	77.86	80.72	85.45	---	---
13	---	---	---	---	---	---	78.51	82.42	82.04	---	---	---
14	---	---	---	---	---	---	78.56	83.24	81.81	82.77	78.09	---
15	---	---	---	---	---	---	78.14	80.01	83.67	---	73.78	---
16	---	---	---	---	---	---	75.53	80.55	82.73	---	---	---
17	---	---	---	---	---	---	75.90	80.17	83.96	---	---	---
18	---	---	---	---	---	---	75.84	79.64	82.02	---	---	---
19	---	---	---	---	---	---	77.91	79.53	82.04	---	---	---
20	---	---	---	---	---	---	78.15	80.63	84.65	---	---	---
21	---	---	---	---	---	---	77.87	85.60	84.84	---	---	---
22	---	---	---	---	---	---	77.95	84.99	81.23	---	---	---
23	---	---	---	---	---	---	77.18	82.62	81.25	---	---	---
24	---	---	---	---	---	---	77.80	82.78	84.26	83.59	---	---
25	---	---	---	---	---	---	79.02	83.52	83.95	84.10	---	---
26	---	---	---	---	---	---	77.60	82.59	86.44	84.72	---	---
27	---	---	---	---	---	---	76.10	79.64	83.40	83.81	---	---
28	---	---	---	---	---	---	76.19	78.34	81.63	---	---	---
29	---	---	---	---	---	---	76.55	79.60	81.79	---	---	---
30	---	---	---	---	---	---	77.34	82.23	85.00	---	---	---
31	---	---	---	---	---	---	---	83.18	---	---	---	---
Mean	---	---	---	---	---	---	---	80.18	83.15	---	---	---
Max	---	---	---	---	---	---	---	85.60	86.44	---	---	---
Min	---	---	---	---	---	---	---	76.17	80.70	---	---	---

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