

Water-Data Report 2012

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°11'31.2", long 79°27'53.1" 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 2011 to current year.

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, 64.70 ft below land-surface datum, July 2, 2012.

REVISIONS.--Revised figures for water-levels for water year 2011, superseding those published in the report for 2011 are given below.

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

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	56.24	55.66
2	---	---	---	---	---	---	53.72	52.58	54.83	56.26	56.39	55.83
3	---	---	---	---	---	---	53.78	52.76	55.00	55.26	56.92	55.43
4	---	---	---	---	---	---	52.98	49.30	54.87	55.60	56.54	54.65
5	---	---	---	---	---	---	53.62	49.79	53.70	55.11	55.94	54.97
6	---	---	---	---	---	---	51.22	52.14	55.82	56.20	54.28	54.13
7	---	---	---	---	---	---	53.65	47.27	56.26	54.41	53.96	53.92
8	---	---	---	---	---	---	53.68	45.60	56.07	55.34	55.42	55.00
9	---	---	---	---	---	---	53.82	49.18	55.37	55.19	55.30	54.88
10	---	---	---	---	---	---	53.83	52.26	54.36	55.72	56.08	54.60
11	---	---	---	---	---	---	53.51	53.46	51.26	55.89	55.72	54.72
12	---	---	---	---	---	---	53.54	51.03	53.25	56.15	55.93	55.36
13	---	---	---	---	---	---	54.12	55.60	54.03	54.02	54.18	55.17
14	---	---	---	---	---	---	54.17	56.11	54.04	53.63	53.59	55.71
15	---	---	---	---	---	---	54.26	53.99	54.02	55.79	54.78	54.31
16	---	---	---	---	---	---	54.03	54.15	54.55	56.05	55.06	54.55
17	---	---	---	---	---	---	54.29	53.38	55.58	55.74	55.95	53.40
18	---	---	---	---	---	---	50.18	53.51	54.20	55.11	55.53	53.34
19	---	---	---	---	---	---	53.19	53.36	54.09	55.38	56.56	54.90
20	---	---	---	---	---	---	54.16	53.98	55.90	55.82	55.83	54.31
21	---	---	---	---	---	---	47.86	54.97	55.50	56.36	55.01	54.55
22	---	---	---	---	---	---	45.61	55.98	50.50	55.77	55.21	52.16
23	---	---	---	---	---	---	45.31	54.25	53.65	55.54	55.26	52.86
24	---	---	---	---	---	---	45.23	54.36	55.72	55.00	55.89	53.03
25	---	---	---	---	---	---	51.00	54.95	55.49	55.29	55.43	52.77
26	---	---	---	---	---	---	50.55	55.09	57.21	55.58	55.33	53.16
27	---	---	---	---	---	---	51.08	52.59	54.44	55.27	53.02	52.87
28	---	---	---	---	---	---	51.18	52.29	53.80	55.67	54.82	53.78
29	---	---	---	---	---	---	51.62	53.07	54.02	56.28	56.23	53.53
30	---	---	---	---	---	---	52.12	54.83	56.01	55.98	54.78	52.95
31	---	---	---	---	---	53.28	---	55.41	---	54.47	55.57	---
Mean	---	---	---	---	---	---	52.03	52.88	54.63	55.48	55.38	54.22
Max	---	---	---	---	---	---	54.29	56.11	57.21	56.36	56.92	55.83
Min	---	---	---	---	---	---	45.23	45.60	50.50	53.63	53.02	52.16

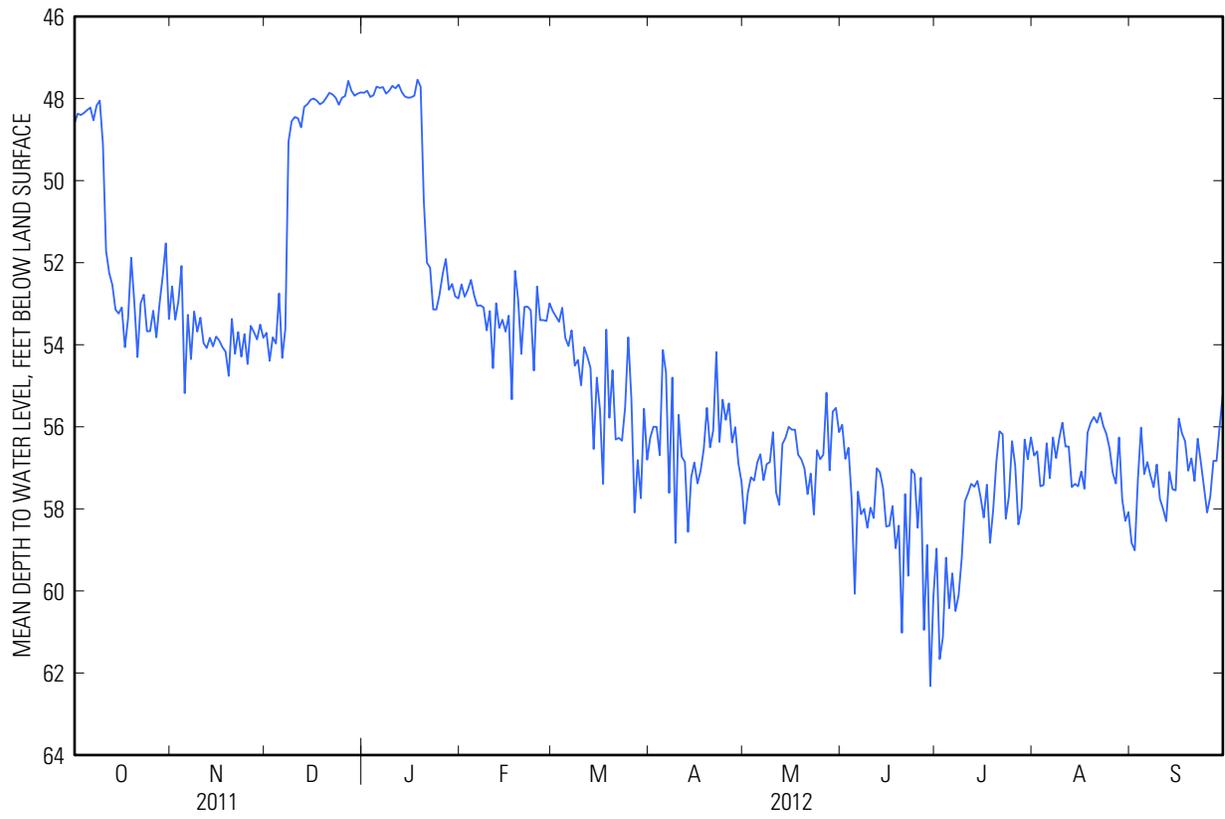
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	48.59	52.58	53.71	47.86	52.53	53.18	56.26	58.36	55.95	58.97	56.70	58.83
2	48.37	53.39	54.39	47.81	52.83	53.31	56.00	57.61	56.78	61.66	56.60	59.01
3	48.40	52.94	53.82	47.96	52.66	53.44	56.00	57.23	56.51	61.13	57.45	57.27
4	48.35	52.08	53.97	47.92	52.42	53.10	56.69	57.31	57.75	59.19	57.42	56.02
5	48.28	55.18	52.75	47.71	52.79	53.84	54.13	56.87	60.07	60.42	56.40	57.15
6	48.22	53.27	54.32	47.74	53.05	54.03	54.68	56.67	57.58	59.57	57.25	56.86
7	48.53	54.35	53.61	47.72	53.04	53.65	57.61	57.30	58.13	60.49	56.26	57.19
8	48.17	53.19	49.05	47.88	53.09	54.51	54.80	56.91	58.00	60.11	56.76	57.47
9	48.05	53.68	48.55	47.81	53.65	54.37	58.83	56.86	58.46	59.20	56.28	56.92
10	49.10	53.34	48.45	47.69	53.18	54.99	55.71	56.13	57.97	57.82	55.90	57.76
11	51.71	53.96	48.48	47.75	54.57	54.06	56.73	57.60	58.22	57.62	56.48	58.00
12	52.25	54.08	48.70	47.66	52.99	54.29	56.86	57.90	57.01	57.39	56.48	58.30
13	52.54	53.83	48.20	47.84	53.59	54.57	58.56	56.42	57.11	57.46	57.47	57.10
14	53.14	54.04	48.14	47.95	53.39	56.54	57.23	56.26	57.50	57.32	57.39	57.52
15	53.24	53.80	48.03	47.98	53.68	54.80	56.87	56.00	58.43	57.72	57.45	57.55
16	53.09	53.90	48.00	47.97	53.29	55.58	57.38	56.07	58.41	58.21	57.09	55.80
17	54.06	54.06	48.05	47.93	55.33	57.39	57.07	56.07	57.93	57.41	57.51	56.16
18	53.36	54.17	48.14	47.54	52.20	53.63	56.54	56.68	58.96	58.83	56.14	56.35
19	51.88	54.76	48.09	47.71	52.91	55.78	55.54	56.79	58.41	58.02	55.90	57.07
20	52.98	53.37	47.98	50.48	54.22	54.62	56.50	57.01	61.02	56.86	55.76	56.77
21	54.30	54.22	47.86	52.00	53.08	56.31	56.09	57.64	57.64	56.11	55.90	57.32
22	52.99	53.69	47.90	52.12	53.07	56.27	54.18	57.14	59.63	56.18	55.66	56.29
23	52.78	54.29	47.98	53.14	53.16	56.34	56.37	58.14	57.04	58.24	55.98	56.86
24	53.67	53.74	48.15	53.14	54.63	55.53	55.34	56.57	57.15	57.69	56.18	57.47
25	53.67	54.47	47.98	52.78	52.58	53.82	55.83	56.79	58.46	56.35	56.53	58.09
26	53.17	53.54	47.94	52.28	53.40	55.33	55.43	56.68	57.24	56.95	57.12	57.70
27	53.82	53.69	47.57	51.91	53.40	58.09	56.38	55.17	60.95	58.38	57.38	56.83
28	53.00	53.87	47.81	52.66	53.42	56.81	56.01	57.06	58.88	58.00	56.26	56.83
29	52.34	53.51	47.93	52.52	52.99	57.74	56.89	55.63	62.32	56.31	57.76	55.97
30	51.53	53.83	47.88	52.82	---	55.56	57.34	55.54	60.13	56.79	58.29	55.20
31	53.37	---	47.85	52.87	---	56.80	---	56.13	---	56.26	58.08	---
Mean	51.51	53.76	49.40	49.59	53.28	55.11	56.33	56.79	58.32	58.15	56.77	57.12
Max	54.30	55.18	54.39	53.14	55.33	58.09	58.83	58.36	62.32	61.66	58.29	59.01
Min	48.05	52.08	47.57	47.54	52.20	53.10	54.13	55.17	55.95	56.11	55.66	55.20

Water Year 2012	
Mean	54.67
High	47.54
Low	62.32

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