

Water-Data Report 2013

351020079282801 Local number MO-244 PINEHURST 6A NEAR PINEHURST, NC (BLACK CREEK)

Northern Atlantic Coastal Plain aquifer system
Black Creek Aquifer

Moore County, NC

LOCATION.--Lat 35°10'20", long 79°28'28" referenced to North American Datum of 1983, Moore County, NC, Hydrologic Unit 03040203, 0.15 mi west of North Carolina Highway 5 and 0.95 mi southwest 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 135 ft, diameter 8 in., cased to 103 ft, screened interval from 103 ft to 113 ft, 116 ft to 121 ft, and 126 ft to 135 ft.

DATUM.--Land-surface datum is 505 ft above North American Vertical Datum of 1988(from topographic map). Measuring point: top of well casing, 3.88 ft above land-surface datum, April 2011 to present.

PERIOD OF RECORD.--April 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, 67.82 ft below land-surface datum, April 16, 2011; lowest water level recorded, 85.96 ft below land-surface datum, October 5, 2011.

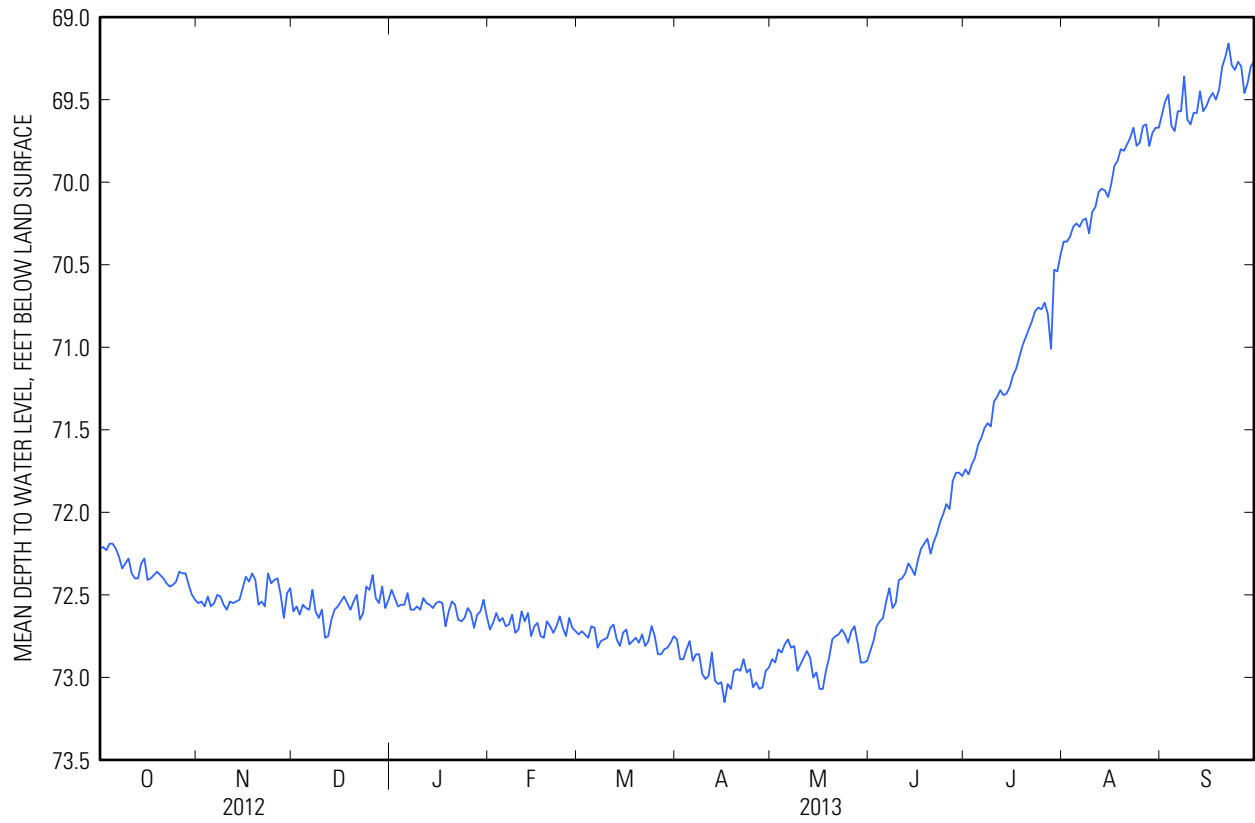
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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	72.22	72.55	72.60	72.47	72.71	72.74	72.77	72.89	72.84	71.74	70.36	69.59
2	72.21	72.54	72.57	72.52	72.67	72.72	72.89	72.91	72.78	71.77	70.36	69.51
3	72.23	72.57	72.62	72.57	72.61	72.74	72.89	72.83	72.69	71.71	70.33	69.47
4	72.19	72.51	72.56	72.56	72.66	72.76	72.83	72.85	72.66	71.67	70.27	69.66
5	72.19	72.57	72.58	72.56	72.64	72.69	72.78	72.80	72.64	71.59	70.25	69.69
6	72.22	72.55	72.59	72.49	72.69	72.70	72.90	72.77	72.54	71.55	70.27	69.57
7	72.27	72.50	72.47	72.59	72.68	72.82	72.86	72.82	72.46	71.49	70.23	69.57
8	72.34	72.51	72.60	72.59	72.62	72.78	72.86	72.81	72.58	71.46	70.22	69.36
9	72.31	72.56	72.64	72.57	72.73	72.77	72.98	72.96	72.55	71.48	70.31	69.62
10	72.28	72.59	72.59	72.59	72.71	72.76	73.01	72.92	72.41	71.33	70.18	69.65
11	72.37	72.54	72.76	72.52	72.60	72.70	72.99	72.88	72.40	71.30	70.15	69.58
12	72.40	72.55	72.75	72.55	72.66	72.68	72.85	72.84	72.37	71.26	70.06	69.58
13	72.40	72.54	72.65	72.56	72.61	72.77	73.02	72.88	72.31	71.29	70.04	69.45
14	72.31	72.53	72.59	72.58	72.75	72.81	73.04	73.00	72.34	71.28	70.05	69.57
15	72.28	72.46	72.57	72.55	72.69	72.73	73.03	72.97	72.38	71.24	70.09	69.54
16	72.41	72.39	72.54	72.54	72.67	72.71	73.15	73.07	72.29	71.17	70.01	69.49
17	72.40	72.42	72.51	72.55	72.75	72.80	73.04	73.07	72.22	71.13	69.90	69.46
18	72.38	72.37	72.55	72.69	72.76	72.78	73.07	72.96	72.19	71.06	69.87	69.50
19	72.36	72.41	72.59	72.60	72.66	72.76	72.96	72.88	72.16	70.99	69.80	69.44
20	72.38	72.56	72.54	72.54	72.69	72.79	72.95	72.77	72.25	70.94	69.81	69.30
21	72.40	72.54	72.50	72.56	72.73	72.74	72.96	72.75	72.18	70.89	69.77	69.24
22	72.43	72.57	72.65	72.65	72.69	72.81	72.89	72.74	72.13	70.84	69.73	69.16
23	72.45	72.37	72.61	72.66	72.63	72.78	72.97	72.71	72.06	70.78	69.67	69.29
24	72.44	72.43	72.45	72.64	72.70	72.69	72.95	72.74	72.01	70.76	69.78	69.32
25	72.42	72.41	72.47	72.58	72.75	72.75	73.06	72.79	71.95	70.77	69.76	69.27
26	72.36	72.40	72.38	72.61	72.64	72.86	73.03	72.72	71.98	70.73	69.66	69.30
27	72.37	72.50	72.52	72.70	72.70	72.86	73.07	72.69	71.81	70.80	69.65	69.46
28	72.37	72.64	72.55	72.62	72.72	72.83	73.06	72.79	71.76	71.01	69.78	69.40
29	72.44	72.49	72.45	72.60	---	72.82	72.96	72.91	71.76	70.53	69.70	69.30
30	72.50	72.46	72.58	72.53	---	72.79	72.94	72.91	71.78	70.54	69.67	69.27
31	72.53	---	72.53	72.63	---	72.75	---	72.90	---	70.44	69.67	---
Mean	72.35	72.50	72.57	72.58	72.68	72.76	72.96	72.86	72.28	71.15	69.98	69.45
Max	72.53	72.64	72.76	72.70	72.76	72.86	73.15	73.07	72.84	71.77	70.36	69.69
Min	72.19	72.37	72.38	72.47	72.60	72.68	72.77	72.69	71.76	70.44	69.65	69.16

	Calendar Year 2012	Water Year 2013
Mean	71.81	72.01
High	70.56	69.16
Low	72.76	73.15

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