

Water-Data Report 2012

**351218079274401 Local number MO-250 PINEHURST WELL 22 AT PINEHURST, NC (BLACK CREEK)**

Northern Atlantic Coastal Plain aquifer system  
Black Creek Aquifer

Moore County, NC

LOCATION.--Lat 35°12'18", long 79°27'44" referenced to North American Datum of 1983, Moore County, NC, Hydrologic Unit 03030004, 0.8 mi north of Pinehurst on North Carolina State Highway 211 and 0.6 mi northwest of intersection of North Carolina Highway 211 and North Carolina Highway 2. Owner: Moore County Public Utilities.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 119 ft, diameter 8 in., cased to 84 ft, screened interval from 84 ft to 114 ft.

DATUM.--Land-surface datum is 534 ft above North American Vertical Datum of 1988 (from topographic map). Measuring point: top of well casing, 3.30 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, 55.45 ft below land-surface datum, April 11, 2011; lowest water level recorded, 72.48 ft below land-surface datum, July 9, 2012.

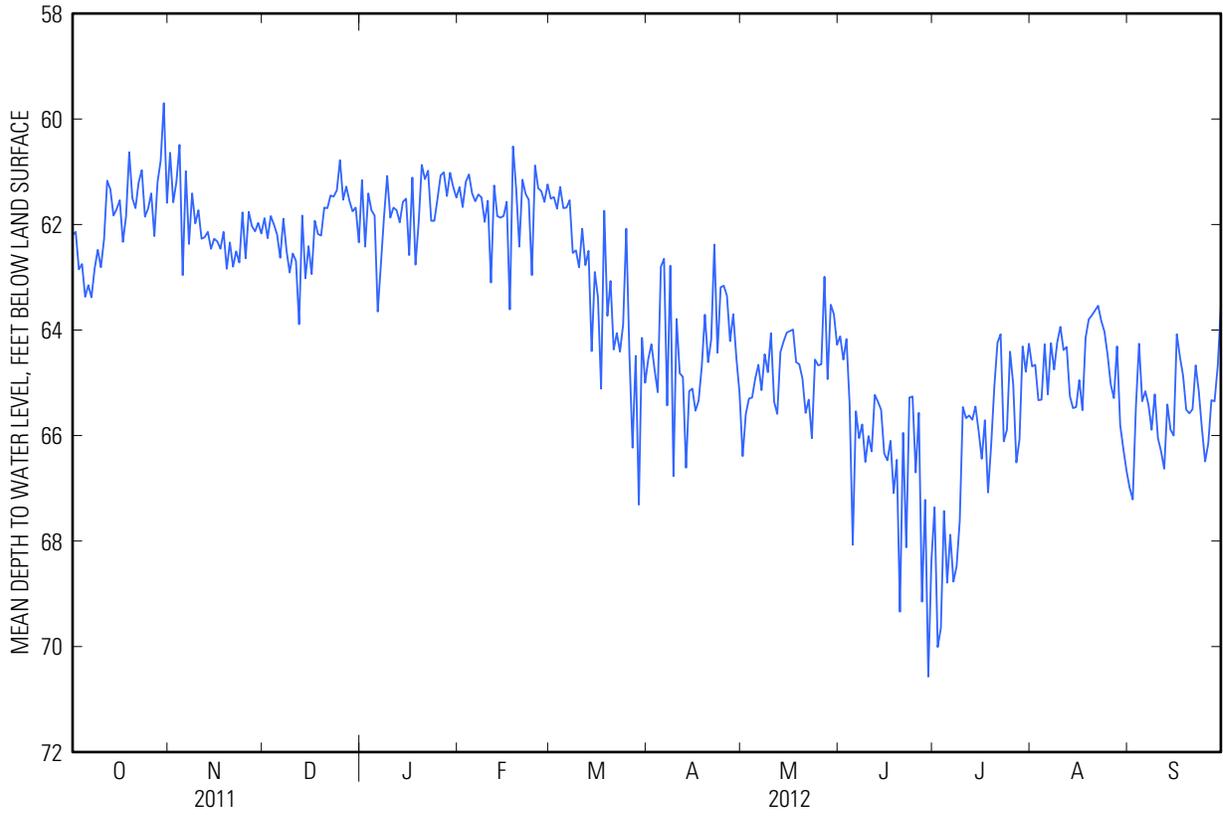
## 351218079274401 Local number MO-250 PINEHURST WELL 22 AT PINEHURST, NC (BLACK CREEK)—Continued

**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	62.20	60.64	61.88	61.16	61.29	61.51	64.55	66.39	64.12	67.36	64.69	66.99
2	62.14	61.58	62.26	62.42	61.67	61.48	64.27	65.59	64.56	70.01	64.66	67.21
3	62.85	61.19	61.84	61.41	61.19	61.70	64.75	65.30	64.17	69.65	65.33	65.45
4	62.75	60.49	62.00	61.73	61.05	61.29	65.18	65.28	65.41	67.43	65.32	64.26
5	63.37	62.96	62.19	61.83	61.41	61.69	62.80	64.92	68.07	68.79	64.27	65.35
6	63.15	60.99	62.63	63.65	61.56	61.68	62.65	64.66	65.54	67.88	65.22	65.16
7	63.38	62.37	61.89	62.76	61.43	61.54	65.43	65.14	66.05	68.77	64.25	65.42
8	62.84	61.41	62.49	61.85	61.49	62.54	62.78	64.46	65.79	68.48	64.75	65.89
9	62.48	61.98	62.91	61.08	61.95	62.49	66.77	64.80	66.50	67.62	64.23	65.22
10	62.81	61.73	62.55	61.87	61.55	62.81	63.79	64.06	66.01	65.46	63.94	66.05
11	62.28	62.27	62.69	61.68	63.10	62.08	64.82	65.36	66.30	65.67	64.38	66.30
12	61.17	62.24	63.89	61.73	61.26	62.77	64.89	65.59	65.23	65.62	64.32	66.63
13	61.33	62.14	61.83	61.96	61.84	62.50	66.61	64.42	65.36	65.70	65.25	65.41
14	61.83	62.46	63.02	61.57	61.87	64.40	65.16	64.22	65.51	65.45	65.48	65.89
15	61.71	62.27	62.41	61.51	61.84	62.90	65.11	64.05	66.34	65.91	65.46	66.00
16	61.54	62.32	62.94	62.58	61.57	63.38	65.53	64.02	66.47	66.44	64.95	64.08
17	62.33	62.46	61.93	61.11	63.61	65.11	65.34	63.99	66.10	65.71	65.52	64.51
18	61.84	62.14	62.18	62.76	60.52	61.74	64.69	64.61	67.09	67.08	64.15	64.87
19	60.63	62.84	62.21	61.97	61.32	63.73	63.71	64.65	66.46	66.17	63.80	65.51
20	61.50	62.34	61.68	60.87	62.42	63.07	64.61	64.92	69.34	65.07	63.72	65.58
21	61.69	62.80	61.69	61.14	61.15	64.37	64.18	65.57	65.95	64.24	63.63	65.50
22	61.20	62.51	61.45	60.98	61.42	64.06	62.38	65.32	68.12	64.08	63.54	64.67
23	60.97	62.72	61.47	61.93	61.53	64.41	64.43	66.05	65.28	66.11	63.83	65.17
24	61.85	61.77	61.35	61.93	62.96	63.90	63.19	64.56	65.26	65.89	64.03	65.88
25	61.70	62.64	60.78	61.51	60.88	62.08	63.16	64.67	66.70	64.41	64.47	66.49
26	61.41	61.76	61.53	61.07	61.31	64.45	63.35	64.65	65.57	65.03	65.03	66.15
27	62.22	62.03	61.28	61.01	61.37	66.23	64.21	62.99	69.15	66.51	65.29	65.33
28	61.20	62.13	61.55	61.46	61.57	64.49	63.70	64.93	67.22	66.07	64.31	65.35
29	60.79	61.97	61.75	61.02	61.24	67.31	64.53	63.52	70.57	64.31	65.80	64.69
30	59.70	62.17	61.68	61.29	---	64.15	65.19	63.70	68.37	64.79	66.25	63.57
31	61.59	---	62.34	61.49	---	65.00	---	64.28	---	64.26	66.66	---
<b>Mean</b>	61.89	62.04	62.07	61.69	61.63	63.25	64.39	64.73	66.42	66.32	64.73	65.49
<b>Max</b>	63.38	62.96	63.89	63.65	63.61	67.31	66.77	66.39	70.57	70.01	66.66	67.21
<b>Min</b>	59.70	60.49	60.78	60.87	60.52	61.29	62.38	62.99	64.12	64.08	63.54	63.57

<b>Water Year 2012</b>	
<b>Mean</b>	63.72
<b>High</b>	59.70
<b>Low</b>	70.57

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