



Water-Data Report 2010

344139077211202 Local number ON-256, NCDENR HADNOT POINT RESEARCH STATION X24s2, AT CAMP LEJEUNE, NC (BLACK CREEK)

Northern Atlantic Coastal Plain aquifer system
Black Creek Aquifer
Onslow County, NC

LOCATION.--Lat 34°41'30", long 77°21'03" referenced to North American Datum of 1983, Onslow County, NC, Hydrologic Unit 03030001, 1.6 mi south of intersection of Brewster Boulevard and Stone Street Extension, at Camp Lejeune. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 918 ft, well cased 2.5 in. to 918 ft in the Black Creek aquifer, screened interval from 908 ft to 918 ft.

DATUM.--Land-surface datum is 20.55 ft above North American Vertical Datum of 1988. Measuring point: top of well casing, 3.26 ft above land-surface datum, since December 7, 2007.

PERIOD OF RECORD.--February 1988 to July 2005, December 2007 to current year.

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at site.

REMARKS.--Well is part of U.S. Marine Corps Base, Camp Lejeune, North Carolina, Water Resources Network study. Well redeveloped in August 2009.

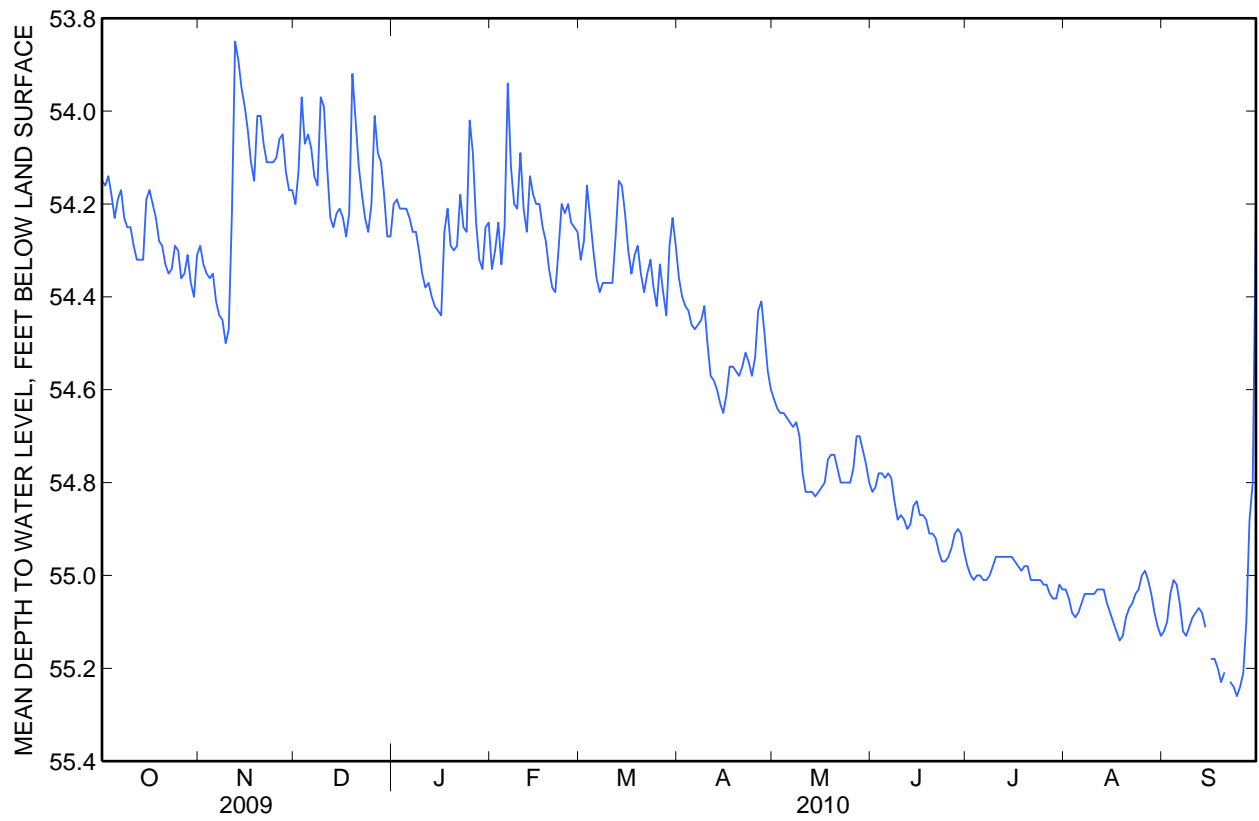
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 12.36 ft below land-surface datum, March 10, 1988; lowest water level recorded, 55.27 ft below land-surface datum, September 24, 2010.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	54.15	54.29	54.20	54.20	54.34	54.32	54.36	54.62	54.82	54.98	55.03	55.12
2	54.16	54.33	54.13	54.19	54.30	54.28	54.40	54.64	54.81	55.00	55.05	55.10
3	54.14	54.35	53.97	54.21	54.24	54.16	54.42	54.65	54.78	55.01	55.08	55.04
4	54.18	54.36	54.07	54.21	54.33	54.23	54.43	54.65	54.78	55.00	55.09	55.01
5	54.23	54.35	54.05	54.21	54.25	54.30	54.46	54.66	54.79	55.00	55.08	55.02
6	54.19	54.41	54.08	54.23	53.94	54.36	54.47	54.67	54.78	55.01	55.06	55.06
7	54.17	54.44	54.14	54.26	54.12	54.39	54.46	54.68	54.79	55.01	55.04	55.12
8	54.23	54.45	54.16	54.26	54.20	54.37	54.45	54.67	54.84	55.00	55.04	55.13
9	54.25	54.50	53.97	54.30	54.21	54.37	54.42	54.70	54.88	54.98	55.04	55.11
10	54.25	54.47	53.99	54.35	54.09	54.37	54.50	54.78	54.87	54.96	55.04	55.09
11	54.29	54.22	54.12	54.38	54.21	54.37	54.57	54.82	54.88	54.96	55.03	55.08
12	54.32	53.85	54.23	54.37	54.26	54.27	54.58	54.82	54.90	54.96	55.03	55.07
13	54.32	53.89	54.25	54.40	54.14	54.15	54.60	54.82	54.89	54.96	55.03	55.08
14	54.32	53.95	54.22	54.42	54.18	54.16	54.63	54.83	54.85	54.96	55.06	55.11
15	54.19	53.99	54.21	54.43	54.20	54.22	54.65	54.82	54.84	54.96	55.08	---
16	54.17	54.04	54.23	54.44	54.20	54.30	54.61	54.81	54.87	54.97	55.10	55.18
17	54.20	54.11	54.27	54.26	54.25	54.35	54.55	54.80	54.87	54.98	55.12	55.18
18	54.23	54.15	54.22	54.21	54.28	54.31	54.55	54.75	54.88	54.99	55.14	55.20
19	54.28	54.01	53.92	54.29	54.34	54.29	54.56	54.74	54.91	54.98	55.13	55.23
20	54.29	54.01	54.02	54.30	54.38	54.35	54.57	54.74	54.91	54.98	55.09	55.21
21	54.33	54.07	54.12	54.29	54.39	54.39	54.55	54.77	54.92	55.01	55.07	---
22	54.35	54.11	54.18	54.18	54.30	54.35	54.52	54.80	54.95	55.01	55.06	55.23
23	54.34	54.11	54.23	54.25	54.20	54.32	54.54	54.80	54.97	55.01	55.04	55.24
24	54.29	54.11	54.26	54.26	54.22	54.38	54.57	54.80	54.97	55.01	55.03	55.26
25	54.30	54.10	54.20	54.02	54.20	54.42	54.53	54.80	54.96	55.02	55.00	55.24
26	54.36	54.06	54.01	54.09	54.24	54.33	54.43	54.77	54.94	55.02	54.99	55.21
27	54.35	54.05	54.09	54.24	54.25	54.39	54.41	54.70	54.91	55.04	55.01	55.10
28	54.31	54.13	54.11	54.32	54.26	54.44	54.48	54.70	54.90	55.05	55.04	54.88
29	54.37	54.17	54.18	54.34	---	54.29	54.56	54.73	54.91	55.05	55.08	54.80
30	54.40	54.17	54.27	54.25	---	54.23	54.60	54.76	54.95	55.02	55.11	54.22
31	54.31	---	54.27	54.24	---	54.29	---	54.80	---	55.03	55.13	---
Mean	54.27	54.17	54.14	54.27	54.23	54.31	54.51	54.75	54.88	55.00	55.06	---
Max	54.40	54.50	54.27	54.44	54.39	54.44	54.65	54.83	54.97	55.05	55.14	---
Min	54.14	53.85	53.92	54.02	53.94	54.15	54.36	54.62	54.78	54.96	54.99	---

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