

Water-Data Report 2011

344418077272701 Local number ON-355 (NC-52.3), AT CAMP GEIGER, NC (LOWER CASTLE HAYNE)

Northern Atlantic Coastal Plain aquifer system
Castle Hayne Limestone

Onslow County, NC

LOCATION.--Lat 34°44'17.7", long 77°27'27.4" referenced to North American Datum of 1983, Onslow County, NC, Hydrologic Unit 03030001, 0.25 mi east of U.S. Highway 17 and 2 mi south of U.S. Highway 258 at USMC Camp Geiger, southwest of Jacksonville. Owner: U.S. Marine Corps.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 170 ft, diameter 4 in., cased to 145 ft, screened interval from 145 ft to 165 ft.

DATUM.--Land-surface datum is 19.48 ft above North American Vertical Datum of 1988. Measuring point: CALCULATED FROM MAP, 2.32 ft above land-surface datum, Dec. 18, 2007, to present. Land-surface datum is 19.48 ft above North American Vertical Datum of 1988. Measuring point: top of PVC well casing, 2.32 ft above land-surface datum, February 1, 2008 to present.

PERIOD OF RECORD.--January 2008 to February 2011(discontinued).

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 project. Well redeveloped in August 2009.

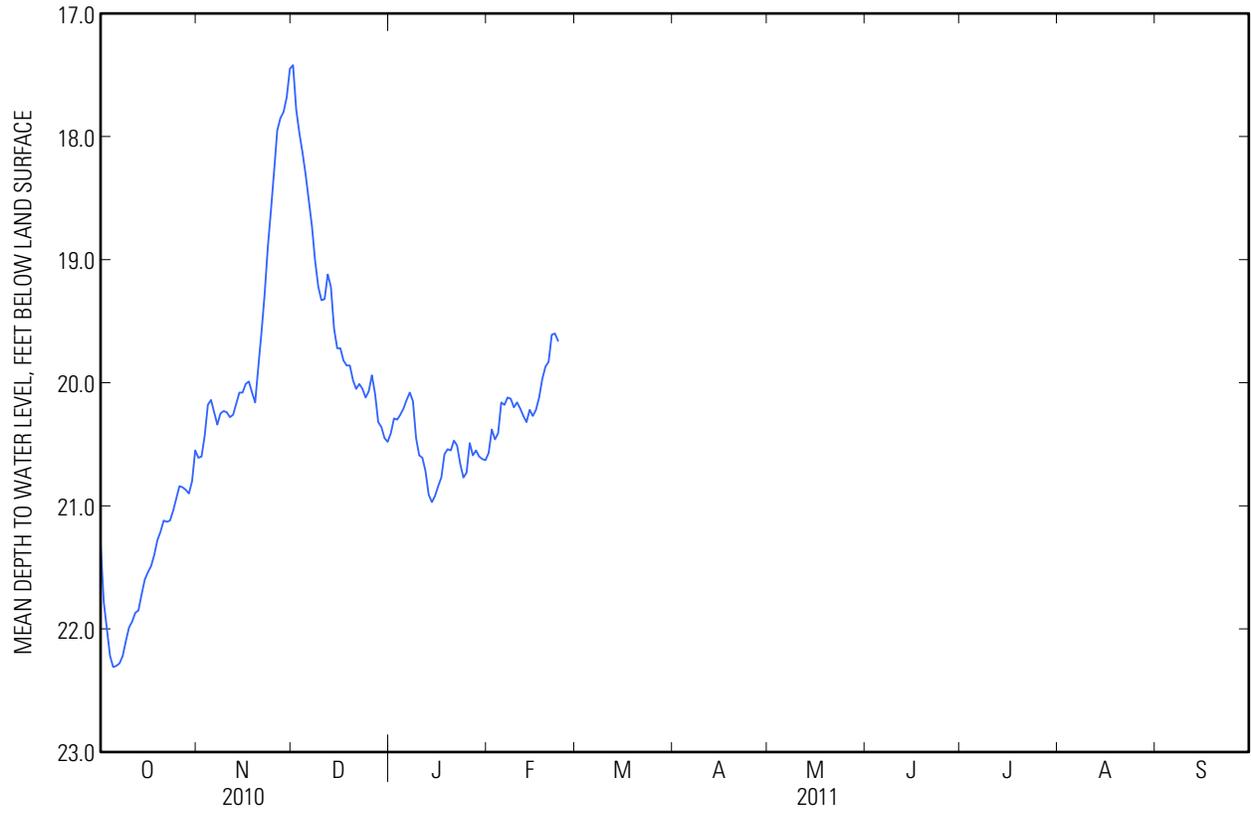
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 10.34 ft below land-surface datum, December 9, 2009; lowest water level recorded, 22.35 ft below land-surface datum, October 5, 2010.

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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	21.31	20.61	17.42	20.41	20.57	---	---	---	---	---	---	---
2	21.78	20.60	17.78	20.29	20.38	---	---	---	---	---	---	---
3	22.00	20.43	17.97	20.30	20.46	---	---	---	---	---	---	---
4	22.22	20.18	18.13	20.26	20.41	---	---	---	---	---	---	---
5	22.31	20.14	18.31	20.21	20.16	---	---	---	---	---	---	---
6	22.30	20.24	18.52	20.14	20.18	---	---	---	---	---	---	---
7	22.28	20.34	18.73	20.08	20.12	---	---	---	---	---	---	---
8	22.22	20.25	19.01	20.15	20.13	---	---	---	---	---	---	---
9	22.10	20.23	19.22	20.45	20.20	---	---	---	---	---	---	---
10	21.99	20.24	19.33	20.59	20.16	---	---	---	---	---	---	---
11	21.94	20.28	19.32	20.61	20.21	---	---	---	---	---	---	---
12	21.87	20.26	19.12	20.72	20.27	---	---	---	---	---	---	---
13	21.85	20.17	19.22	20.91	20.32	---	---	---	---	---	---	---
14	21.72	20.08	19.56	20.97	20.22	---	---	---	---	---	---	---
15	21.60	20.08	19.72	20.92	20.27	---	---	---	---	---	---	---
16	21.54	20.01	19.72	20.84	20.22	---	---	---	---	---	---	---
17	21.49	19.99	19.82	20.77	20.12	---	---	---	---	---	---	---
18	21.40	20.08	19.86	20.58	19.97	---	---	---	---	---	---	---
19	21.28	20.16	19.86	20.54	19.87	---	---	---	---	---	---	---
20	21.21	19.87	19.98	20.55	19.83	---	---	---	---	---	---	---
21	21.12	19.59	20.05	20.47	19.61	---	---	---	---	---	---	---
22	21.13	19.28	20.01	20.51	19.60	---	---	---	---	---	---	---
23	21.12	18.90	20.05	20.66	19.66	---	---	---	---	---	---	---
24	21.04	18.60	20.12	20.77	---	---	---	---	---	---	---	---
25	20.94	18.28	20.07	20.73	---	---	---	---	---	---	---	---
26	20.84	17.95	19.94	20.49	---	---	---	---	---	---	---	---
27	20.85	17.85	20.09	20.59	---	---	---	---	---	---	---	---
28	20.87	17.80	20.32	20.55	---	---	---	---	---	---	---	---
29	20.90	17.68	20.36	20.60	---	---	---	---	---	---	---	---
30	20.80	17.45	20.45	20.62	---	---	---	---	---	---	---	---
31	20.55	---	20.48	20.63	---	---	---	---	---	---	---	---
Mean	21.50	19.59	19.44	20.55	---	---	---	---	---	---	---	---
Max	22.31	20.61	20.48	20.97	---	---	---	---	---	---	---	---
Min	20.55	17.45	17.42	20.08	---	---	---	---	---	---	---	---

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