

Water-Data Report 2011

343641077290106 Local number ON-230, NCDENR DIXON RESEARCH STATION WELL Y25q6 AT CAMP LEJEUNE, NC (SURFICIAL)

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks

Onslow County, NC

LOCATION.--Lat 34°36'41", long 77°28'59" referenced to North American Datum of 1983, Onslow County, NC, Hydrologic Unit 03030001, on U.S. Highway 17, 1.5 mi. north of Dixon. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 22.0 ft, diameter 4 in., cased to 18.4 ft, screened interval from 18.4 ft to 22.0 ft.

DATUM.--Land-surface datum is 66.12 ft above North American Vertical Datum of 1988. Measuring point: top of well casing, 2.40 ft above land-surface datum, November 1, 2007 to present.

PERIOD OF RECORD.--October 1982 to September 2005, November 2007 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.

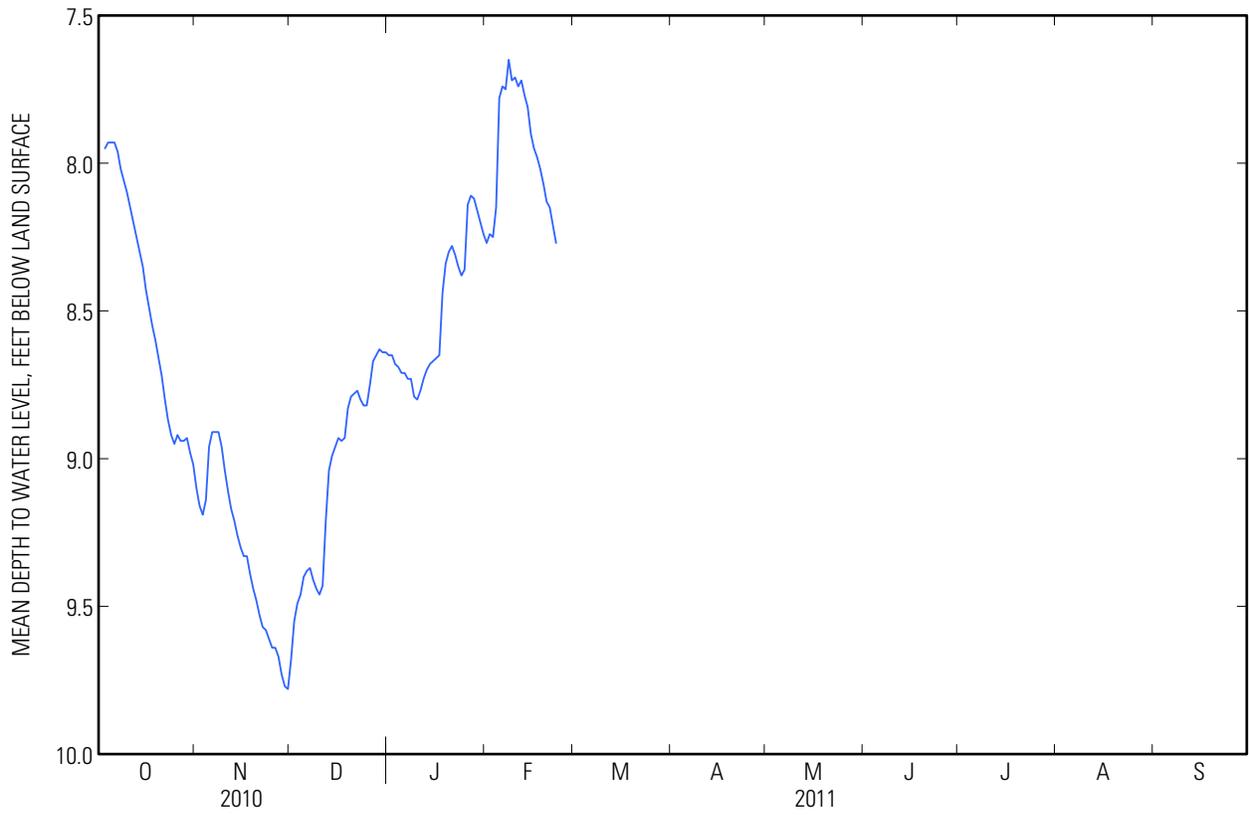
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.76 ft below land-surface datum, September 16, 1999; lowest water level recorded, 12.90 ft below land-surface datum, August 18, 2010.

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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	---	9.10	9.68	8.65	8.27	---	---	---	---	---	---	---
2	---	9.16	9.55	8.65	8.24	---	---	---	---	---	---	---
3	7.95	9.19	9.49	8.68	8.25	---	---	---	---	---	---	---
4	7.93	9.14	9.46	8.69	8.15	---	---	---	---	---	---	---
5	7.93	8.96	9.40	8.71	7.78	---	---	---	---	---	---	---
6	7.93	8.91	9.38	8.71	7.74	---	---	---	---	---	---	---
7	7.96	8.91	9.37	8.73	7.75	---	---	---	---	---	---	---
8	8.02	8.91	9.41	8.73	7.65	---	---	---	---	---	---	---
9	8.06	8.96	9.44	8.79	7.72	---	---	---	---	---	---	---
10	8.10	9.04	9.46	8.80	7.71	---	---	---	---	---	---	---
11	8.15	9.11	9.43	8.77	7.74	---	---	---	---	---	---	---
12	8.20	9.17	9.21	8.73	7.72	---	---	---	---	---	---	---
13	8.25	9.21	9.04	8.70	7.77	---	---	---	---	---	---	---
14	8.30	9.26	8.99	8.68	7.81	---	---	---	---	---	---	---
15	8.35	9.30	8.96	8.67	7.90	---	---	---	---	---	---	---
16	8.43	9.33	8.93	8.66	7.95	---	---	---	---	---	---	---
17	8.49	9.33	8.94	8.65	7.98	---	---	---	---	---	---	---
18	8.55	9.39	8.93	8.44	8.02	---	---	---	---	---	---	---
19	8.60	9.44	8.83	8.34	8.07	---	---	---	---	---	---	---
20	8.66	9.48	8.79	8.30	8.13	---	---	---	---	---	---	---
21	8.72	9.53	8.78	8.28	8.15	---	---	---	---	---	---	---
22	8.80	9.57	8.77	8.31	8.21	---	---	---	---	---	---	---
23	8.87	9.58	8.80	8.35	8.27	---	---	---	---	---	---	---
24	8.92	9.61	8.82	8.38	---	---	---	---	---	---	---	---
25	8.95	9.64	8.82	8.36	---	---	---	---	---	---	---	---
26	8.92	9.64	8.75	8.14	---	---	---	---	---	---	---	---
27	8.94	9.67	8.67	8.11	---	---	---	---	---	---	---	---
28	8.94	9.73	8.65	8.12	---	---	---	---	---	---	---	---
29	8.93	9.77	8.63	8.16	---	---	---	---	---	---	---	---
30	8.98	9.78	8.64	8.20	---	---	---	---	---	---	---	---
31	9.02	---	8.64	8.24	---	---	---	---	---	---	---	---
Mean	---	9.33	9.05	8.51	---	---	---	---	---	---	---	---
Max	---	9.78	9.68	8.80	---	---	---	---	---	---	---	---
Min	---	8.91	8.63	8.11	---	---	---	---	---	---	---	---

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