



Water-Data Report 2010

**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.--May 1986 to September 2005, November 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 project. Well redeveloped in August 2009.

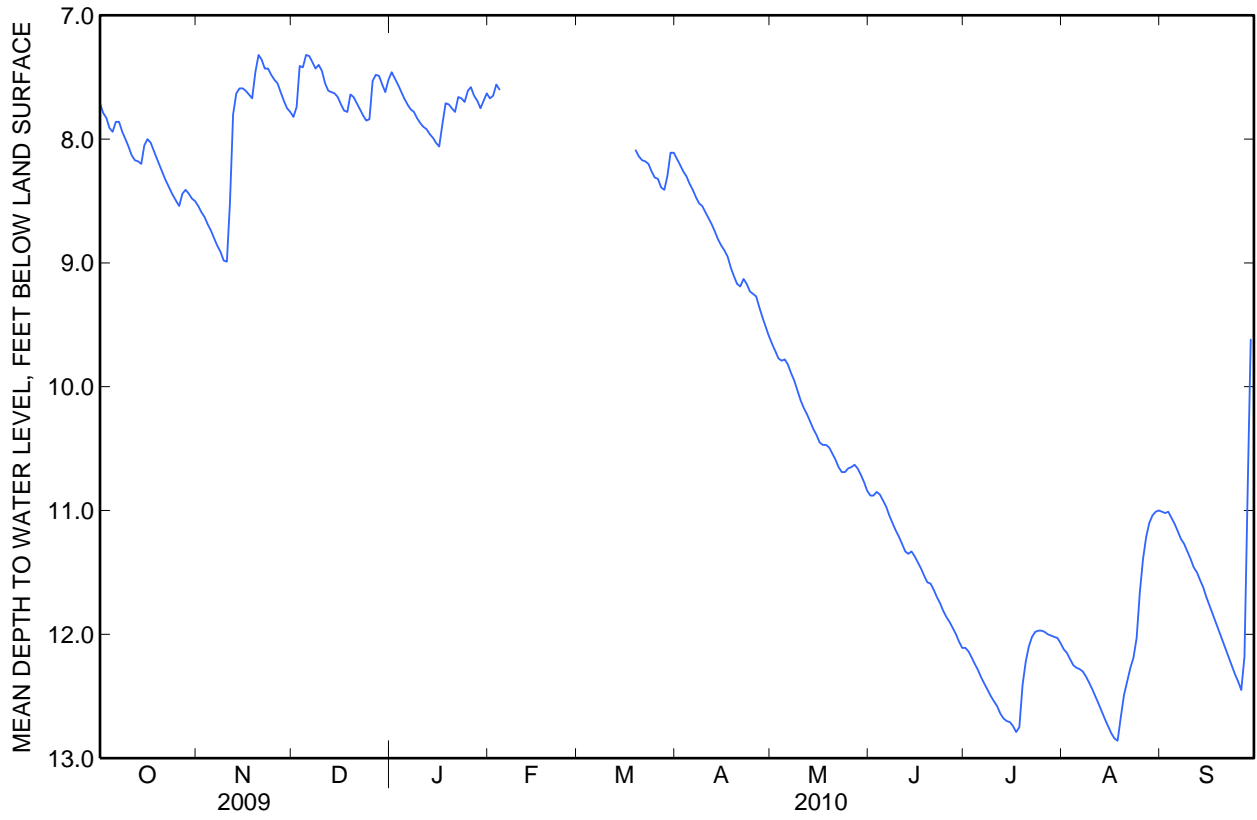
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.76 ft below land-surface datum, September 16, 1999; lowest water level recorded, 12.90 ft below land-surface datum, August 18, 2010.

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**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	7.71	8.54	7.82	7.46	7.67	---	8.16	9.65	10.88	12.11	12.12	11.01
2	7.79	8.59	7.74	7.51	7.65	---	8.21	9.71	10.88	12.14	12.15	11.02
3	7.83	8.63	7.41	7.56	7.56	---	8.26	9.77	10.85	12.19	12.20	11.01
4	7.91	8.69	7.42	7.62	7.60	---	8.30	9.79	10.87	12.24	12.25	11.06
5	7.94	8.74	7.32	7.67	---	---	8.36	9.78	10.92	12.29	12.27	11.11
6	7.86	8.80	7.33	7.72	---	---	8.41	9.82	10.97	12.35	12.28	11.17
7	7.86	8.86	7.38	7.76	---	---	8.47	9.89	11.04	12.40	12.30	11.23
8	7.94	8.91	7.43	7.78	---	---	8.52	9.95	11.10	12.45	12.34	11.27
9	8.00	8.98	7.40	7.83	---	---	8.54	10.03	11.16	12.50	12.39	11.33
10	8.06	8.99	7.45	7.87	---	---	8.59	10.11	11.21	12.54	12.45	11.39
11	8.13	8.52	7.55	7.90	---	---	8.64	10.17	11.27	12.58	12.50	11.46
12	8.17	7.80	7.61	7.92	---	---	8.69	10.22	11.33	12.64	12.56	11.50
13	8.18	7.63	7.62	7.96	---	---	8.75	10.28	11.35	12.68	12.62	11.56
14	8.20	7.59	7.63	7.99	---	---	8.81	10.34	11.33	12.70	12.69	11.62
15	8.05	7.59	7.66	8.03	---	---	8.86	10.39	11.37	12.71	12.74	11.70
16	8.00	7.61	7.72	8.06	---	---	8.90	10.45	11.42	12.74	12.80	11.77
17	8.03	7.64	7.77	7.88	---	---	8.95	10.47	11.47	12.79	12.84	11.84
18	8.09	7.67	7.78	7.71	---	---	9.04	10.47	11.53	12.75	12.86	11.91
19	8.16	7.46	7.64	7.72	---	8.09	9.11	10.49	11.58	12.41	12.67	11.97
20	8.23	7.32	7.66	7.75	---	8.14	9.17	10.54	11.59	12.22	12.49	12.04
21	8.29	7.36	7.71	7.78	---	8.17	9.19	10.59	11.64	12.10	12.38	12.12
22	8.35	7.43	7.76	7.66	---	8.18	9.13	10.65	11.70	12.02	12.27	12.19
23	8.40	7.43	7.81	7.67	---	8.20	9.17	10.69	11.75	11.98	12.19	12.25
24	8.45	7.48	7.85	7.70	---	8.26	9.23	10.69	11.81	11.97	12.03	12.32
25	8.50	7.52	7.84	7.61	---	8.31	9.25	10.66	11.86	11.97	11.66	12.38
26	8.54	7.55	7.53	7.58	---	8.32	9.27	10.65	11.90	11.98	11.39	12.45
27	8.44	7.62	7.48	7.65	---	8.39	9.36	10.63	11.95	12.00	11.21	12.18
28	8.41	7.69	7.49	7.69	---	8.41	9.44	10.66	12.00	12.01	11.10	10.83
29	8.44	7.75	7.56	7.75	---	8.30	9.52	10.71	12.06	12.02	11.04	9.62
30	8.48	7.78	7.62	7.69	---	8.11	9.59	10.77	12.11	12.03	11.01	---
31	8.50	---	7.52	7.63	---	8.11	---	10.84	---	12.07	11.00	---
<b>Mean</b>	8.16	8.01	7.60	7.75	---	---	8.86	10.32	11.43	12.31	12.15	---
<b>Max</b>	8.54	8.99	7.85	8.06	---	---	9.59	10.84	12.11	12.79	12.86	---
<b>Min</b>	7.71	7.32	7.32	7.46	---	---	8.16	9.65	10.85	11.97	11.00	---

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