



Water-Data Report 2010

343641077290104 Local number ON-225 (NC-181), NCDENR DIXON RESEARCH STATION Y25q4 AT CAMP LEJEUNE, NC (BLACK CREEK)

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

LOCATION.--Lat 34°36'41", long 77°29'01" referenced to North American Datum of 1927, 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 534 ft, screened interval from 524 ft to 534 ft.

DATUM.--Land-surface datum is 67.13 ft above North American Vertical Datum of 1988. Measuring point: top of casing, 1.01 ft above land-surface datum, November 1, 2007 to present.

PERIOD OF RECORD.--August 1986 to November 1990, June 1995 to September 1997, August 2000 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.

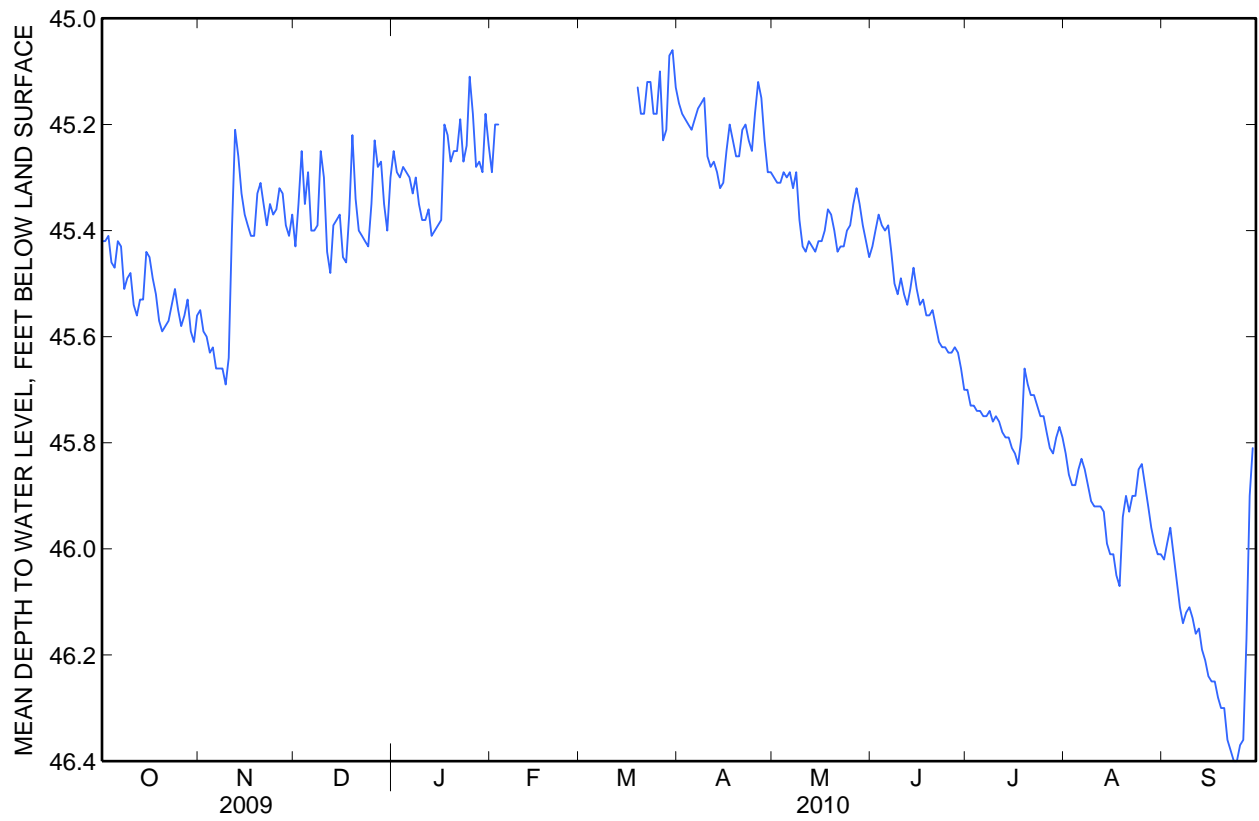
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 39.37 ft below land-surface datum, January 22, 1987; lowest water level recorded, 46.43 ft below land-surface datum, September 24, 2010.

343641077290104 Local number ON-225 (NC-181), NCDENR DIXON RESEARCH STATION Y25q4 AT CAMP LEJEUNE, NC (BLACK CREEK)—
Continued

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	45.42	45.55	45.43	45.25	45.29	---	45.16	45.30	45.43	45.70	45.82	46.02
2	45.42	45.59	45.35	45.29	45.20	---	45.18	45.31	45.40	45.73	45.86	45.99
3	45.41	45.60	45.25	45.30	45.20	---	45.19	45.31	45.37	45.73	45.88	45.96
4	45.46	45.63	45.35	45.28	---	---	45.20	45.29	45.39	45.74	45.88	46.01
5	45.47	45.62	45.29	45.29	---	---	45.21	45.30	45.40	45.74	45.85	46.06
6	45.42	45.66	45.40	45.30	---	---	45.19	45.29	45.39	45.75	45.83	46.11
7	45.43	45.66	45.40	45.33	---	---	45.17	45.32	45.44	45.75	45.85	46.14
8	45.51	45.66	45.39	45.30	---	---	45.16	45.29	45.50	45.74	45.88	46.12
9	45.49	45.69	45.25	45.35	---	---	45.15	45.38	45.52	45.76	45.91	46.11
10	45.48	45.64	45.30	45.38	---	---	45.26	45.43	45.49	45.75	45.92	46.13
11	45.54	45.40	45.44	45.38	---	---	45.28	45.44	45.52	45.76	45.92	46.16
12	45.56	45.21	45.48	45.36	---	---	45.27	45.42	45.54	45.78	45.92	46.15
13	45.53	45.26	45.39	45.41	---	---	45.29	45.43	45.51	45.79	45.93	46.19
14	45.53	45.33	45.38	45.40	---	---	45.32	45.44	45.47	45.79	45.99	46.21
15	45.44	45.37	45.37	45.39	---	---	45.31	45.42	45.51	45.81	46.01	46.24
16	45.45	45.39	45.45	45.38	---	---	45.25	45.42	45.54	45.82	46.01	46.25
17	45.49	45.41	45.46	45.20	---	---	45.20	45.40	45.53	45.84	46.05	46.25
18	45.52	45.41	45.37	45.22	---	---	45.23	45.36	45.56	45.79	46.07	46.28
19	45.57	45.33	45.22	45.27	---	45.13	45.26	45.37	45.56	45.66	45.94	46.30
20	45.59	45.31	45.34	45.25	---	45.18	45.26	45.40	45.55	45.69	45.90	46.30
21	45.58	45.35	45.40	45.25	---	45.18	45.21	45.44	45.58	45.71	45.93	46.36
22	45.57	45.39	45.41	45.19	---	45.12	45.20	45.43	45.61	45.71	45.90	46.38
23	45.54	45.35	45.42	45.27	---	45.12	45.23	45.43	45.62	45.73	45.90	46.40
24	45.51	45.37	45.43	45.24	---	45.18	45.25	45.40	45.62	45.75	45.85	46.40
25	45.55	45.36	45.35	45.11	---	45.18	45.18	45.39	45.63	45.75	45.84	46.37
26	45.58	45.32	45.23	45.18	---	45.10	45.12	45.35	45.63	45.78	45.88	46.36
27	45.56	45.33	45.28	45.28	---	45.23	45.15	45.32	45.62	45.81	45.92	46.17
28	45.53	45.39	45.27	45.27	---	45.21	45.23	45.35	45.63	45.82	45.96	45.90
29	45.59	45.41	45.35	45.29	---	45.07	45.29	45.39	45.66	45.79	45.99	45.81
30	45.61	45.37	45.40	45.18	---	45.06	45.29	45.42	45.70	45.77	46.01	---
31	45.56	---	45.30	45.24	---	45.13	---	45.45	---	45.79	46.01	---
Mean	45.51	45.45	45.36	45.28	---	---	45.22	45.38	45.53	45.76	45.92	---
Max	45.61	45.69	45.48	45.41	---	---	45.32	45.45	45.70	45.84	46.07	---
Min	45.41	45.21	45.22	45.11	---	---	45.12	45.29	45.37	45.66	45.82	---

343641077290104 Local number ON-225 (NC-181), NCDENR DIXON RESEARCH STATION Y25q4 AT CAMP LEJEUNE, NC (BLACK CREEK)—
Continued



343641077290104 Local number ON-225 (NC-181), NCDENR DIXON RESEARCH STATION Y25q4 AT CAMP LEJEUNE, NC (BLACK CREEK)—
Continued

