



Water-Data Report 2010

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)

Northern Atlantic Coastal Plain aquifer system
Castle Hayne Limestone
Onslow County, NC

LOCATION.--Lat 34°36'41", long 77°28'58" 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 240 ft, diameter 4 in., cased to 150 ft, screened interval from 150 ft to 240 ft.

DATUM.--Land-surface datum is 66.19 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 1.71 ft above land-surface datum, November 19, 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.

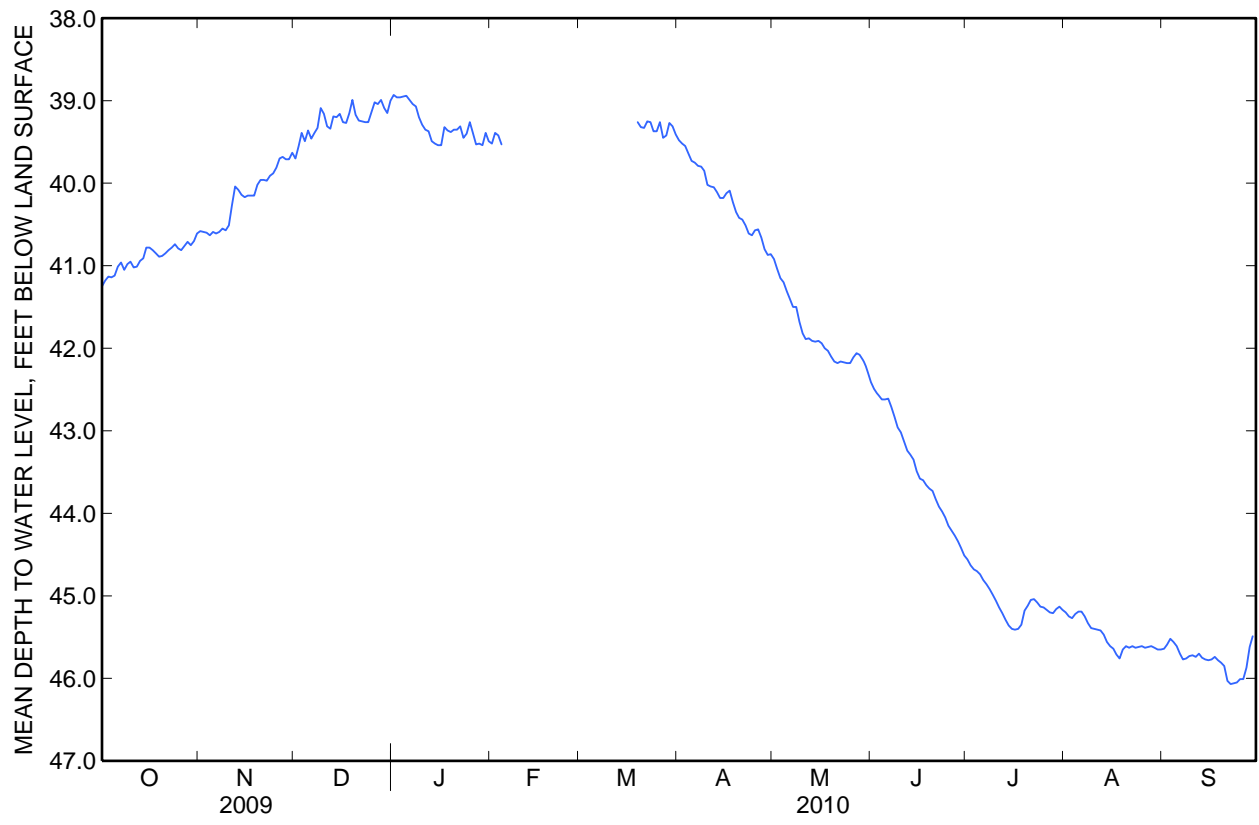
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 32.13 ft below land-surface datum, March 13, 1993; lowest water level recorded, 46.10 ft below land-surface datum, September 24, 2010.

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued

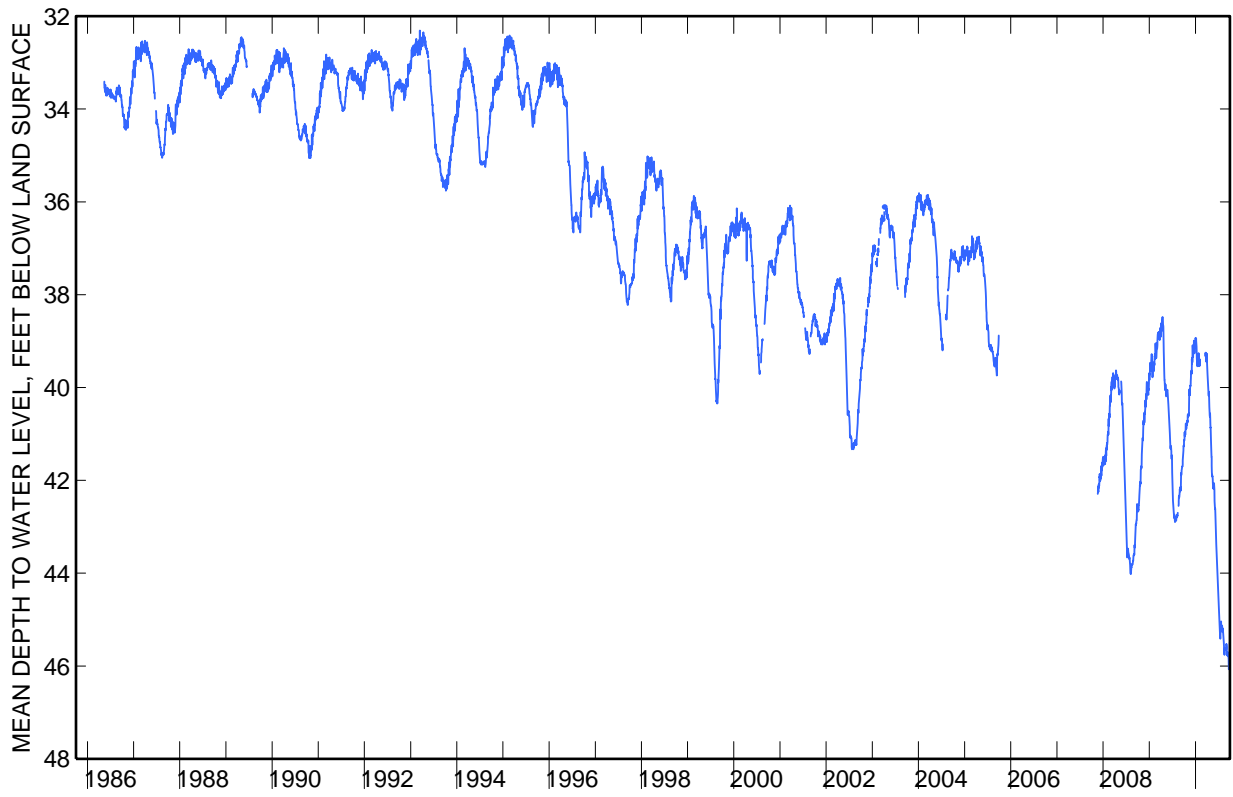
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41.25	40.58	39.70	38.93	39.52	---	39.48	40.92	42.45	44.56	45.20	45.64
2	41.18	40.59	39.55	38.96	39.39	---	39.52	41.04	42.52	44.63	45.25	45.59
3	41.13	40.60	39.39	38.96	39.42	---	39.55	41.15	42.57	44.68	45.27	45.52
4	41.14	40.63	39.49	38.95	39.53	---	39.64	41.20	42.62	44.70	45.22	45.56
5	41.12	40.59	39.36	38.94	---	---	39.73	41.31	42.62	44.74	45.19	45.61
6	41.01	40.61	39.46	38.99	---	---	39.75	41.40	42.61	44.81	45.19	45.70
7	40.96	40.59	39.39	39.04	---	---	39.79	41.50	42.71	44.86	45.25	45.77
8	41.05	40.55	39.33	39.07	---	---	39.80	41.50	42.83	44.92	45.33	45.76
9	40.98	40.57	39.09	39.20	---	---	39.85	41.68	42.96	44.99	45.39	45.73
10	40.95	40.51	39.16	39.29	---	---	40.02	41.82	43.02	45.06	45.40	45.72
11	41.02	40.27	39.31	39.35	---	---	40.04	41.89	43.13	45.14	45.41	45.74
12	41.01	40.04	39.34	39.37	---	---	40.05	41.88	43.24	45.21	45.42	45.70
13	40.94	40.08	39.19	39.49	---	---	40.11	41.91	43.29	45.29	45.47	45.75
14	40.91	40.14	39.20	39.52	---	---	40.18	41.92	43.35	45.36	45.56	45.77
15	40.78	40.17	39.16	39.54	---	---	40.18	41.91	43.49	45.40	45.61	45.78
16	40.78	40.15	39.26	39.54	---	---	40.12	41.94	43.58	45.41	45.64	45.77
17	40.81	40.15	39.27	39.32	---	---	40.09	42.00	43.60	45.40	45.71	45.74
18	40.85	40.15	39.15	39.36	---	---	40.23	42.03	43.66	45.35	45.76	45.78
19	40.89	40.02	38.99	39.38	---	39.26	40.35	42.10	43.70	45.18	45.65	45.81
20	40.88	39.96	39.17	39.35	---	39.32	40.42	42.16	43.73	45.12	45.61	45.85
21	40.85	39.96	39.24	39.35	---	39.33	40.44	42.18	43.83	45.05	45.63	46.03
22	40.81	39.97	39.25	39.31	---	39.25	40.51	42.16	43.92	45.04	45.61	46.07
23	40.78	39.91	39.26	39.45	---	39.26	40.61	42.17	43.98	45.08	45.63	46.06
24	40.74	39.88	39.26	39.40	---	39.37	40.63	42.18	44.05	45.13	45.62	46.05
25	40.79	39.81	39.14	39.26	---	39.37	40.57	42.18	44.15	45.14	45.61	46.01
26	40.81	39.70	39.02	39.39	---	39.26	40.56	42.11	44.21	45.17	45.63	46.01
27	40.76	39.68	39.04	39.53	---	39.45	40.66	42.06	44.27	45.20	45.62	45.87
28	40.71	39.71	38.99	39.52	---	39.42	40.80	42.08	44.34	45.21	45.61	45.62
29	40.75	39.71	39.09	39.54	---	39.27	40.87	42.14	44.42	45.16	45.63	45.49
30	40.70	39.63	39.15	39.39	---	39.31	40.86	42.22	44.51	45.13	45.65	---
31	40.61	---	39.00	39.49	---	39.41	---	42.35	---	45.17	45.65	---
Mean	40.90	40.16	39.24	39.30	---	---	40.18	41.84	43.45	45.07	45.50	---
Max	41.25	40.63	39.70	39.54	---	---	40.87	42.35	44.51	45.41	45.76	---
Min	40.61	39.63	38.99	38.93	---	---	39.48	40.92	42.45	44.56	45.19	---

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued



343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2007 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 2007 to current year.

WATER TEMPERATURE: November 2007 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry November 2007 to current year.

REMARKS.--Well was redeveloped in August 2009.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 415 microsiemens, August 23, 24, 2009; minimum recorded, 384 microsiemens, August 19, 20, 2010.

WATER TEMPERATURE: Maximum recorded, 18.9°C, on several days during May 2008; minimum recorded, 18.5°C, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 404 microsiemens, on many days; minimum recorded, 384 microsiemens, August 19, 20.

WATER TEMPERATURE: The recorded water temperature remained constant throughout the year at 18.7°C.

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
2	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
4	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
5	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
7	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7
8	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7
9	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7
10	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7
11	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
12	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
13	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
14	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
15	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
16	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
17	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
18	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
19	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
20	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
21	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
22	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
23	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
24	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
25	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
26	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
27	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
28	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
29	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
30	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
31	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
Month	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
2	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
3	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
4	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
5	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
6	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
7	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
8	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
9	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
10	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
11	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
12	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
13	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
14	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
15	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
16	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
17	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
18	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7
19	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
20	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
21	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
22	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
23	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
24	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
25	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
26	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
27	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
28	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
29	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
30	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
31	---	---	---	18.7	18.7	18.7	---	---	---	18.7	18.7	18.7
Month	---	---	---	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
2	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
3	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
4	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
5	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
8	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
9	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
10	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
11	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
12	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
13	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
14	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
15	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
16	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
17	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
18	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
19	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
20	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
21	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
22	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
23	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
24	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
25	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
26	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
27	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---
28	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
29	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---
30	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---
31	---	---	---	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---
Month	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	---	---	---

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	404	404	404	403	403	403	403	403	403	403	403	403
2	404	404	404	403	403	403	403	403	403	403	403	403
3	404	404	404	403	403	403	404	403	403	403	403	403
4	404	404	404	403	403	403	404	403	403	403	403	403
5	404	404	404	403	403	403	404	403	403	403	403	403
6	404	404	404	403	403	403	---	---	---	403	403	403
7	404	403	403	403	403	403	---	---	---	403	403	403
8	403	403	403	403	403	403	---	---	---	403	403	403
9	404	403	403	403	403	403	---	---	---	403	403	403
10	404	403	404	403	403	403	---	---	---	403	403	403
11	404	403	404	403	403	403	404	403	404	403	403	403
12	404	403	404	403	403	403	404	403	403	403	403	403
13	404	403	404	403	403	403	403	403	403	403	403	403
14	404	403	404	403	403	403	403	403	403	403	403	403
15	404	403	404	403	403	403	403	403	403	403	403	403
16	404	403	404	403	403	403	403	403	403	403	403	403
17	404	403	404	403	403	403	403	403	403	403	403	403
18	404	403	404	403	403	403	403	403	403	403	403	403
19	404	403	404	403	403	403	403	403	403	403	403	403
20	404	404	404	403	403	403	403	403	403	403	403	403
21	404	403	404	404	403	403	403	403	403	403	403	403
22	404	403	404	404	403	403	403	403	403	403	403	403
23	404	403	404	404	403	403	403	403	403	403	403	403
24	404	404	404	404	403	404	403	403	403	403	403	403
25	404	404	404	404	403	404	403	403	403	403	403	403
26	404	403	403	403	403	403	403	403	403	403	403	403
27	403	403	403	403	403	403	403	403	403	403	403	403
28	403	403	403	403	403	403	403	403	403	403	403	403
29	403	403	403	403	403	403	403	403	403	403	403	403
30	403	403	403	403	403	403	403	403	403	403	403	403
31	403	403	403	---	---	---	403	403	403	403	403	403
Month	404	403	404	404	403	403	---	---	---	403	403	403

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	403	403	403	---	---	---	403	403	403	403	403	403
2	403	403	403	---	---	---	403	403	403	403	403	403
3	403	403	403	---	---	---	403	403	403	403	403	403
4	---	---	---	---	---	---	403	403	403	403	403	403
5	---	---	---	---	---	---	403	403	403	403	403	403
6	---	---	---	---	---	---	403	403	403	403	403	403
7	---	---	---	---	---	---	403	403	403	403	403	403
8	---	---	---	---	---	---	403	403	403	403	403	403
9	---	---	---	---	---	---	403	403	403	403	403	403
10	---	---	---	---	---	---	403	403	403	403	403	403
11	---	---	---	---	---	---	403	403	403	403	403	403
12	---	---	---	---	---	---	403	403	403	403	403	403
13	---	---	---	---	---	---	403	403	403	403	403	403
14	---	---	---	---	---	---	403	403	403	403	403	403
15	---	---	---	---	---	---	403	403	403	403	403	403
16	---	---	---	---	---	---	403	403	403	403	403	403
17	---	---	---	---	---	---	403	403	403	403	403	403
18	---	---	---	---	---	---	403	403	403	403	403	403
19	---	---	---	403	403	403	403	403	403	403	402	403
20	---	---	---	403	403	403	403	403	403	403	402	403
21	---	---	---	403	403	403	403	403	403	403	402	403
22	---	---	---	403	403	403	403	403	403	403	402	403
23	---	---	---	403	403	403	403	403	403	403	403	403
24	---	---	---	403	403	403	403	403	403	403	402	403
25	---	---	---	403	403	403	403	403	403	403	402	403
26	---	---	---	403	403	403	403	403	403	403	402	403
27	---	---	---	403	403	403	403	403	403	403	402	403
28	---	---	---	403	403	403	403	403	403	403	402	403
29	---	---	---	403	403	403	403	403	403	403	403	403
30	---	---	---	403	403	403	403	403	403	403	403	403
31	---	---	---	403	403	403	---	---	---	403	403	403
Month	---	---	---	---	---	---	403	403	403	403	402	403

343641077290103 Local number ON-227, NCDENR DIXON RESEARCH STATION Y25q3, AT CAMP LEJEUNE, NC (CASTLE HAYNE)—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	403	403	403	403	403	403	403	403	403	390	390	390
2	403	403	403	403	403	403	403	403	403	390	390	390
3	403	403	403	403	402	403	403	403	403	390	390	390
4	403	403	403	403	403	403	403	403	403	390	390	390
5	403	402	403	403	403	403	403	403	403	390	390	390
6	403	403	403	403	403	403	403	403	403	390	390	390
7	403	403	403	403	403	403	403	403	403	390	390	390
8	403	403	403	403	403	403	403	403	403	390	390	390
9	403	403	403	403	403	403	403	403	403	390	390	390
10	403	403	403	403	403	403	403	403	403	390	390	390
11	403	402	403	403	403	403	403	403	403	390	390	390
12	403	403	403	403	403	403	403	403	403	390	390	390
13	403	403	403	403	403	403	403	403	403	390	389	390
14	403	403	403	403	403	403	403	403	403	390	389	390
15	403	403	403	403	403	403	403	403	403	390	389	390
16	403	403	403	403	402	403	403	403	403	390	389	390
17	403	402	403	403	403	403	403	403	403	390	389	389
18	403	403	403	403	403	403	403	403	403	390	389	389
19	403	403	403	403	403	403	403	384	399	390	389	390
20	403	403	403	403	403	403	387	384	385	390	389	390
21	403	403	403	403	403	403	385	385	385	390	390	390
22	403	403	403	403	403	403	385	385	385	390	389	390
23	403	403	403	403	403	403	385	385	385	390	390	390
24	403	403	403	403	403	403	386	385	385	390	390	390
25	403	403	403	403	403	403	386	385	385	390	390	390
26	403	403	403	403	403	403	391	385	387	390	390	390
27	403	403	403	403	403	403	391	390	390	---	---	---
28	403	403	403	403	403	403	391	390	391	---	---	---
29	403	403	403	403	403	403	391	390	391	---	---	---
30	403	403	403	403	403	403	390	390	390	---	---	---
31	---	---	---	403	403	403	390	390	390	---	---	---
Month	403	402	403	403	402	403	403	---	397	---	---	---