

344417077243301 Local number ON-356, Montford Point at Jacksonville, NC (Peedee)

Northern Atlantic Coastal Plain aquifer system Peedee Formation

Onslow County, NC

LOCATION.--Lat 34°44'16.8", long 77°24'33.2" referenced to North American Datum of 1983, Onslow County, NC, Hydrologic Unit 03030001, approximately 0.43 mi southeast of U.S. Highway 17, and 0.11 mi west of Montford Landing Road at Jacksonville.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 341 ft, diameter 4 in., cased to 316 ft, screened interval from 316 ft to 336 ft.

DATUM.--Land-surface datum is 20.74 ft above North American Vertical Datum of 1988. Measuring point: top of PVC well casing, 2.34 ft above land-surface datum, January 30, 2008, to present.

PERIOD OF RECORD.--February 2008 to September 2008.

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at site.

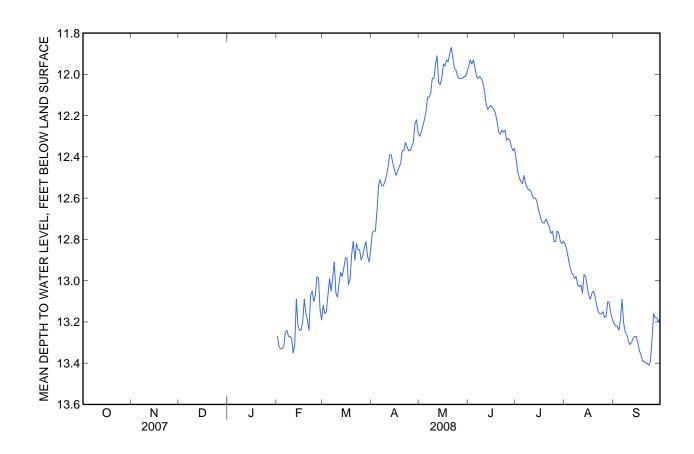
REMARKS.--Well is part of U.S. Marine Corps Base, Camp Lejeune, North Carolina, Water Resources Network project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 11.84 ft below land-surface datum, May 11, 2008; lowest water level recorded, 13.43 ft below land-surface datum, September 23, 2008.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008 DAILY MEAN VALUES

DAILY MEAN VALUES												
Day	0ct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1					13.27	13.12	12.77	12.30	11.96	12.41	12.82	13.21
2					13.32	13.16	12.76	12.28	11.93	12.47	12.85	13.22
3					13.33	13.15	12.76	12.25	11.95	12.50	12.89	13.22
4					13.33	13.07	12.66	12.22	11.93	12.52	12.93	13.24
5					13.32	12.99	12.54	12.18	11.97	12.53	12.96	13.19
6					13.25	13.05	12.51	12.11	12.01	12.49	12.97	13.09
7					13.24	12.98	12.54	12.11	12.02	12.53	12.99	13.20
8					13.27	12.91	12.54	12.09	12.01	12.55	12.98	13.25
9					13.27	13.06	12.52	12.02	12.02	12.56	13.02	13.26
10					13.28	13.08	12.49	12.02	12.04	12.56	13.03	13.29
11					13.35	13.01	12.45	11.95	12.08	12.58	13.02	13.31
12					13.31	12.96	12.39	11.91	12.14	12.60	13.06	13.30
13					13.09	12.98	12.39	12.04	12.17	12.60	12.97	13.28
14					13.22	12.94	12.43	12.05	12.16	12.61	12.98	13.27
15					13.24	12.89	12.46	12.02	12.15	12.65	13.03	13.27
16					13.24	12.89	12.49	11.95	12.16	12.68	13.07	13.30
17					13.20	13.02	12.47	11.96	12.17	12.71	13.09	13.34
18					13.09	12.99	12.45	11.93	12.19	12.72	13.06	13.36
19					13.16	12.87	12.43	11.94	12.23	12.72	13.05	13.39
20					13.19	12.81	12.37	11.90	12.28	12.70	13.08	13.39
21					13.24	12.90	12.37	11.87	12.29	12.72	13.12	13.40
22					13.07	12.82	12.33	11.92	12.27	12.74	13.15	13.40
23					13.05	12.85	12.35	11.97	12.28	12.77	13.16	13.41
24					13.10	12.85	12.37	11.98	12.27	12.76	13.16	13.39
25					13.07	12.90	12.37	12.01	12.32	12.81	13.15	13.28
26					12.98	12.88	12.35	12.02	12.31	12.81	13.18	13.16
27					12.99	12.84	12.33	12.02	12.32	12.76	13.17	13.18
28					13.14	12.81	12.24	12.02	12.35	12.77	13.10	13.18
29					13.19	12.88	12.22	12.01	12.37	12.81	13.11	13.20
30						12.91	12.28	12.01	12.36	12.82	13.16	13.18
31						12.85		11.99		12.81	13.19	
Mean					13.20	12.95	12.45	12.03	12.16	12.65	13.05	13.27
Max					13.35	13.16	12.77	12.30	12.37	12.82	13.19	13.41
Min					12.98	12.81	12.22	11.87	11.93	12.41	12.82	13.09



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 2008 to September 2008.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: January 2008 to September 2008. WATER TEMPERATURE: January 2008 to September 2008.

INSTRUMENTATION.--Water-quality monitor in operation from January 2008 to September 2008.

REMARKS.--Well is part of U.S. Marine Corps Base, Camp Lejeune, North Carolina, Water Resources Network project.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,510 microsiemens, on many days during the period; minimum recorded, 1,480 microsiemens, on many days during the period.

WATER TEMPERATURE: Maximum recorded, 18.9°C, on many days during the period; minimum recorded, 18.7°C, on many days during the period.

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day Max Min Mean Max Min Mean Max Min Mean 1	 Min January	
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31	 	
Month	 	

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TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February	,		March			April			May	
1	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
2	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
3	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
4	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
5	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
6	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
8	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8
10	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.9	18.8	18.8	18.8
11	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
12	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
13	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
14	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
15	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
16	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
17	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
18	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
19	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
20	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
21	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
22	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
23	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
24	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
25	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
26	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
27	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
28	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
29	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
30				18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8	18.8
31				18.9	18.9	18.9				18.8	18.8	18.8
lonth	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.8

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TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June		July			August			September		
1	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
2	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
3	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
4	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
5	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
6	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
7	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
8	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
9	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
10	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7
11	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.7	18.8
12	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
13	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
14	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
15	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
16	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
17	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
18	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
19	18.8	18.8	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.8	18.8	18.8
20	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
21	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
22	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
23	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
24	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
25	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
26	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
27	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
28	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
29	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
30	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8
31				18.7	18.7	18.7	18.7	18.7	18.7			
/lonth	18.8	18.8	18.8	18.8	18.7	18.8	18.7	18.7	18.7	18.8	18.7	18.8

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

1	October												
1	October		ļ	November			December			January			
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31	 												
Month	 												

344417077243301 Local number ON-356, Montford Point at Jacksonville, NC (Peedee)—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
Duj	mux			iiiuA			iiiuA		moun	mux		
		February			March			April			May	
1	1,500	1,500	1,500	1,510	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510
2	1,500	1,500	1,500	1,510	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510
3	1,510	1,500	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
4	1,510	1,500	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
5	1,510	1,500	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
6	1,510	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
7	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
8	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
9	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
10	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
11	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
12	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
13	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
14	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
15	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
16	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
17	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
18	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
19	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
20	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
21	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
22	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
23	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
24	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
25	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
26	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
27	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
28	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
29	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
30	·	,		1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510
31				1,510	1,510	1,510				1,510	1,510	1,510
Month	1,510	1,500	1,510	1,510	1,500	1,510	1,510	1,510	1,510	1,510	1,510	1,510
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344417077243301 Local number ON-356, Montford Point at Jacksonville, NC (Peedee)—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August		:	Septembe	r
1	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
2	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
3	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
4	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
5	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
6	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
7	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
8	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480
9	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,480	1,480	1,480
10	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
11	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
12	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
13	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
14	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
15	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
16	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
17	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
18	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,500	1,500	1,480	1,480	1,480
19	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
20	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
21	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
22	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
23	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
24	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
25	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,490	1,500	1,480	1,480	1,480
26	1,510	1,510	1,510	1,510	1,510	1,510	1,500	1,480	1,490	1,480	1,480	1,480
27	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480	1,480	1,480	1,480
28	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480	1,480	1,480	1,480
29	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480	1,480	1,480	1,480
30	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,480	1,480	1,480	1,480	1,480
31				1,510	1,510	1,510	1,480	1,480	1,480			
Month	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,480	1,500	1,480	1,480	1,480