

## GROUND-WATER LEVELS

## CRAVEN COUNTY

345602076532405. County number, CR-552; DENR Cherry Point Research Station well U18q5.

LOCATION.--Lat 34°56'02", long 76°53'24", Hydrologic Unit 03020204, at U.S. Marine Corps Air Station Cherry Point. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Yorktown aquifer of the Pliocene and Miocene age.

WELL CHARACTERISTICS.--Drilled observation well, depth 80 ft, diameter 6 in., cased to 65 ft, screened interval from 65 ft to 80 ft.

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

DATUM.--Land-surface datum is 26.11 ft above sea level (levels by DENR). Measuring point: Top of instrument shelter floor, 1.00 ft above land-surface datum.

REMARKS.--Well is part of Cherry Point MCAS Surface Geophysics project.

PERIOD OF RECORD.--April 1989 to September 1993, December 2000 to September 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.22 ft below land-surface datum, Feb. 9, 1993; lowest water level measured 19.91 ft below land-surface datum, Aug. 23, 1990.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	18.06	18.72	18.29	17.65	17.84	18.76	18.74	19.07	19.08
2	---	---	---	18.06	18.75	18.31	17.71	17.88	18.66	18.71	19.08	19.10
3	---	---	---	18.07	18.77	18.34	17.74	17.96	18.69	18.65	19.09	19.10
4	---	---	---	18.09	18.73	18.26	17.83	18.02	18.73	18.60	19.12	19.10
5	---	---	---	18.12	18.66	18.23	17.91	18.05	18.73	18.57	19.17	19.10
6	---	---	---	18.17	18.68	18.22	17.97	18.08	18.73	18.57	19.20	19.10
7	---	---	---	18.17	18.70	18.24	18.06	18.07	18.71	18.57	19.25	19.10
8	---	---	---	18.14	18.71	18.22	18.14	18.01	18.64	18.55	19.34	19.11
9	---	---	17.77	18.14	18.70	18.19	18.15	17.99	18.59	18.53	19.45	19.15
10	---	---	17.72	18.17	18.69	18.18	18.13	18.04	18.54	18.54	19.50	19.17
11	---	---	17.69	18.18	18.74	18.15	18.09	18.11	18.52	18.58	19.58	19.20
12	---	---	17.71	18.18	18.69	18.12	18.07	18.16	18.53	18.62	19.65	19.24
13	---	---	17.76	18.21	18.64	18.07	18.08	18.16	18.54	18.57	19.71	19.23
14	---	---	17.73	18.25	18.64	18.11	18.08	18.15	18.43	18.53	19.61	19.20
15	---	---	17.77	18.28	18.62	18.06	18.02	18.11	18.34	18.55	19.49	19.15
16	---	---	17.75	18.32	18.57	17.98	18.01	18.13	18.32	18.58	19.42	19.09
17	---	---	17.72	18.38	18.55	17.91	17.97	18.14	18.30	18.63	19.39	19.07
18	---	---	17.79	18.43	18.54	17.83	17.95	18.18	18.30	18.69	19.38	19.06
19	---	---	17.82	18.46	18.45	17.75	17.95	18.25	18.36	18.77	19.33	19.08
20	---	---	17.90	18.43	18.38	17.62	17.93	18.27	18.48	18.85	19.27	19.08
21	---	---	17.95	18.44	18.34	17.49	17.93	18.26	18.56	18.86	19.17	19.10
22	---	---	17.99	18.43	18.29	17.49	17.91	18.29	18.59	18.83	19.15	19.14
23	---	---	18.06	18.34	18.26	17.51	17.90	18.33	18.67	18.84	19.11	19.16
24	---	---	18.06	18.30	18.29	17.56	17.87	18.45	18.69	18.91	19.05	19.15
25	---	---	18.11	18.35	18.29	17.60	17.89	18.60	18.70	19.01	19.03	19.15
26	---	---	18.11	18.42	18.31	17.57	17.88	18.72	18.67	19.11	19.02	19.19
27	---	---	18.06	18.48	18.34	17.54	17.87	18.80	18.67	19.20	19.01	19.20
28	---	---	18.07	18.56	18.29	17.56	17.86	18.84	18.71	19.24	19.01	19.22
29	---	---	18.04	18.58	---	17.58	17.86	18.80	18.75	19.20	19.03	19.24
30	---	---	18.01	18.58	---	17.58	17.84	18.82	18.77	19.05	19.09	19.24
31	---	---	18.04	18.66	---	17.61	---	18.80	---	19.06	19.08	---

WTR YR 2001 MEAN 18.48 HIGH 17.49 LOW 19.71

