

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 to 80 ft.

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

DATUM.--Land-surface datum is 26.11 ft above NGVD of 1929 (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 current year. Periodic water level measurements April 1989 to September 1993. Continuous record began December 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.22 ft below land-surface datum, Feb. 9, 1993; lowest water level recorded 20.59 ft below land-surface datum, Aug. 25, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.19	19.37	20.12	19.55	19.81	19.31	18.63	18.88	19.16	19.47	19.86	20.12
2	19.19	19.38	20.10	19.55	19.80	19.31	18.59	18.85	19.21	19.44	19.94	20.05
3	19.21	19.38	20.04	19.45	19.71	19.13	18.58	18.87	19.30	19.49	20.01	19.97
4	19.26	19.38	20.05	19.52	19.63	19.14	18.62	18.86	19.33	19.54	19.97	19.91
5	19.28	19.37	20.10	19.56	19.63	19.15	18.58	18.88	19.36	19.55	19.94	19.90
6	19.25	19.36	20.12	19.54	19.59	19.11	18.63	18.93	19.39	19.54	19.97	19.90
7	19.25	19.36	20.13	19.63	19.53	19.17	18.67	18.92	19.45	19.55	20.04	19.91
8	19.25	19.38	20.15	19.74	19.55	19.20	18.67	19.00	19.47	19.55	20.08	19.83
9	19.18	19.41	20.16	19.79	19.54	19.16	18.68	19.10	19.45	19.58	20.16	19.71
10	19.13	19.43	20.12	19.84	19.50	19.10	18.70	19.20	19.44	19.68	20.21	19.58
11	19.16	19.49	20.02	19.89	19.49	19.07	18.69	19.23	19.46	19.75	20.19	19.56
12	19.19	19.56	19.98	19.93	19.50	18.97	18.67	19.20	19.47	19.79	20.18	19.65
13	19.25	19.52	19.92	19.88	19.49	18.87	18.68	19.24	19.50	19.78	20.23	19.75
14	19.26	19.46	19.89	19.87	19.46	18.96	18.72	19.30	19.60	19.76	20.29	19.86
15	19.23	19.45	19.95	19.80	19.41	19.00	18.78	19.41	19.50	19.79	20.34	19.89
16	19.21	19.45	19.97	19.80	19.41	19.02	18.84	19.41	19.52	19.85	20.40	19.89
17	19.24	19.49	19.90	19.77	19.47	19.04	18.90	19.38	19.49	19.92	20.46	19.92
18	19.27	19.61	19.83	19.79	19.54	18.99	18.94	19.34	19.41	19.98	20.45	19.97
19	19.25	19.73	19.82	19.77	19.54	18.96	18.97	19.32	19.42	20.04	20.42	19.98
20	19.27	19.83	19.85	19.76	19.51	18.89	18.96	19.26	19.43	20.09	20.39	19.95
21	19.27	19.90	19.87	19.71	19.49	18.85	18.94	19.22	19.43	20.11	20.44	19.90
22	19.19	19.95	19.84	19.66	19.49	18.85	18.84	19.18	19.41	20.10	20.44	19.85
23	19.18	20.01	19.76	19.61	19.42	18.84	18.82	19.15	19.37	20.09	20.43	19.78
24	19.19	19.95	19.68	19.62	19.34	18.82	18.81	19.15	19.36	20.10	20.51	19.68
25	19.22	19.93	19.66	19.70	19.27	18.82	18.78	19.18	19.36	20.09	20.57	19.71
26	19.26	19.96	19.59	19.74	19.22	18.79	18.80	19.22	19.37	19.95	20.55	19.61
27	19.30	19.93	19.57	19.78	19.22	18.75	18.85	19.24	19.40	19.76	20.49	19.54
28	19.34	19.98	19.56	19.82	19.27	18.73	18.88	19.25	19.45	19.70	20.41	19.52
29	19.35	20.04	19.57	19.85	---	18.70	18.91	19.22	19.49	19.69	20.35	19.47
30	19.35	20.10	19.55	19.87	---	18.68	18.94	19.16	19.50	19.69	20.32	19.39
31	19.37	---	19.54	19.86	---	18.69	---	19.13	---	19.79	20.20	---

WTR YR 2002 MEAN 19.51 HIGH 18.58 LOW 20.57

CRAVEN COUNTY--Continued

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

