

GROUND-WATER LEVELS

CRAVEN COUNTY--Continued

345504076562801. County number, CR-616; Strat Hole 5.

LOCATION.--Lat 34°55'04.34", long 76°56'28.30", North American Datum of 1983, Hydrologic Unit 03020204, at U.S. Marine Corps Air Station Cherry Point. Owner: U.S. Marine Corps.

AQUIFER.--Castle Hayne aquifer of the Oligocene and Eocene age.

WELL CHARACTERISTICS.--Drilled observation well, depth 235.5 ft, diameter 2 in., cased to 210 ft, screened interval from 210 to 220 ft.

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

DATUM.--Land-surface datum is 26 ft above NGVD of 1929 (from topographic map). Measuring point: Top of instrument shelter floor, 2.79 ft above land-surface datum.

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

PERIOD OF RECORD.--September 2000 to current year. Continuous record began December 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.36 ft below land-surface datum, Oct. 5, 2000; lowest water level recorded 18.68 ft below land-surface datum, Jan. 1, 2, 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	17.46	17.98	18.36	18.63	18.15	17.73	16.54	---	17.68	---	---	---
2	17.34	18.14	18.28	18.62	18.24	17.59	16.53	---	17.68	18.11	---	---
3	17.31	18.17	18.26	18.31	---	---	16.48	---	17.77	18.15	---	---
4	17.32	18.19	18.44	18.41	---	---	16.68	---	17.92	18.25	---	---
5	17.44	18.03	18.50	18.41	---	---	16.72	---	17.96	18.23	---	---
6	17.52	18.02	18.48	18.36	---	17.39	16.78	---	17.96	18.22	---	---
7	17.47	18.04	18.45	18.46	---	---	16.76	---	17.96	18.22	---	---
8	17.47	18.17	18.36	18.52	---	---	16.68	---	17.96	18.22	---	---
9	17.48	18.30	18.36	18.37	---	---	16.66	---	17.97	18.25	---	---
10	17.55	18.31	18.37	18.32	---	---	16.67	17.42	18.09	18.34	18.40	---
11	17.55	18.30	18.41	18.37	---	17.34	16.83	17.53	18.14	18.38	18.43	---
12	17.44	18.22	18.53	18.48	---	17.18	16.87	17.52	18.15	---	18.45	---
13	17.60	18.18	18.50	18.52	---	---	16.87	17.27	---	---	18.45	---
14	17.64	18.15	18.47	18.55	---	---	16.64	17.22	---	---	---	---
15	17.56	18.28	18.43	18.33	---	---	16.59	17.33	---	---	---	---
16	17.47	18.32	18.44	18.36	---	---	16.59	17.41	---	---	---	---
17	17.53	18.40	18.34	18.31	---	---	16.61	17.50	---	---	---	---
18	17.57	18.35	18.42	18.52	---	---	16.80	17.52	---	---	18.52	---
19	17.69	18.29	18.50	18.49	17.74	---	16.86	17.53	---	---	18.53	---
20	17.79	18.26	18.58	18.58	17.63	---	16.77	17.49	---	---	---	---
21	17.86	18.44	18.52	18.42	17.55	16.59	16.71	17.49	---	---	---	---
22	17.77	18.50	18.51	18.39	17.61	16.82	16.73	17.62	---	---	---	---
23	17.60	18.52	18.42	18.25	---	16.88	16.96	17.70	---	---	---	---
24	17.60	18.31	18.50	18.12	---	16.87	17.12	17.70	---	---	18.63	---
25	17.64	18.23	18.58	18.14	17.73	16.75	17.07	17.69	---	---	18.62	---
26	17.86	18.18	18.53	18.27	---	16.69	17.04	17.67	---	---	---	---
27	18.00	18.24	18.58	18.32	---	16.63	16.90	17.67	---	---	---	---
28	18.12	18.39	18.41	18.26	17.73	16.65	16.77	17.67	---	---	---	---
29	18.03	18.43	18.39	18.13	---	16.78	---	17.72	---	---	---	---
30	17.95	18.43	18.45	18.04	---	16.80	---	17.71	---	---	---	---
31	17.95	---	18.59	18.15	---	16.75	---	17.68	---	---	---	---

WTR YR 2002 MEAN 17.84 HIGH 16.48 LOW 18.63

