

GROUND-WATER LEVELS

NEW HANOVER COUNTY

335824077550001. County number, NH-525; Kure Beach Research Station well KB-1.

LOCATION.--Lat 33°58'24.2", long 77°54'59.6", Hydrologic Unit 03030005, 2 mi south of Kure Beach and 500 ft north of Fort Fisher Museum. Owner: U.S. Geological Survey.

AQUIFER.--Black Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 790 ft, diameter 2 in., cased to 760 ft, screened interval from 760 to 790 ft. Original corehole drilled to a depth of 1,386 ft.

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

DATUM.--Land-surface datum is 10 ft above NGVD of 1929 (from topographic map). Measuring point: 3 ft above land-surface datum.

REMARKS.--Water level is affected by tidal fluctuations.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 32.9 ft above NGVD, Aug. 7, 2002; lowest water level recorded, 30.0 ft above NGVD, July 24, Aug. 10, 11, 2003.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.7	31.5	30.8	---	---	---	---	---	---	---	30.8	30.7
2	31.5	31.4	30.9	---	---	---	---	---	---	---	30.8	30.7
3	31.4	31.3	30.8	---	---	---	---	---	---	---	30.7	30.8
4	31.4	31.3	30.9	---	---	---	---	---	---	---	30.7	30.9
5	31.4	31.5	---	---	---	---	---	---	---	---	30.7	31.0
6	31.4	31.4	---	---	---	---	---	---	---	---	30.8	31.1
7	31.6	31.3	---	---	---	---	---	---	---	---	30.8	31.3
8	31.6	31.3	---	---	---	---	---	---	---	---	30.8	31.5
9	31.7	31.2	---	---	---	---	---	---	---	---	30.8	31.5
10	31.7	31.2	---	---	---	---	---	---	---	---	30.6	31.6
11	31.8	31.1	---	---	---	---	---	---	---	---	30.7	31.7
12	31.6	31.1	---	---	---	---	---	---	---	---	30.7	31.6
13	31.8	31.1	---	---	---	---	---	---	---	---	30.7	31.3
14	32.0	31.4	---	---	---	---	---	---	---	---	30.7	31.2
15	32.5	31.5	---	---	---	---	---	---	---	---	30.7	31.2
16	32.3	31.5	---	---	---	---	---	---	---	---	30.8	31.2
17	32.0	31.5	---	---	---	---	---	---	---	---	30.8	31.4
18	31.8	31.2	---	---	---	---	---	---	---	---	30.8	31.4
19	31.7	31.2	---	---	---	---	---	---	---	30.8	30.9	31.1
20	31.6	31.2	---	---	---	---	---	---	---	30.8	30.9	31.1
21	31.5	31.3	---	---	---	---	---	---	---	30.9	30.8	31.2
22	31.6	31.2	---	---	---	---	---	---	---	30.8	30.8	31.3
23	31.5	30.9	---	---	---	---	---	---	---	30.6	30.7	31.3
24	31.5	30.9	---	---	---	---	---	---	---	30.5	30.8	31.3
25	31.5	30.8	---	---	---	---	---	---	---	30.5	30.9	31.4
26	31.5	30.9	---	---	---	---	---	---	---	30.6	30.9	31.4
27	31.4	30.9	---	---	---	---	---	---	---	30.6	30.8	31.5
28	31.5	31.0	---	---	---	---	---	---	---	30.6	30.7	31.5
29	31.5	31.0	---	---	---	---	---	---	---	30.7	30.8	31.4
30	31.5	30.8	---	---	---	---	---	---	---	30.7	30.8	31.3
31	31.5	---	---	---	---	---	---	---	---	30.7	30.7	---

WTR YR 2003 MEAN 31.2 MAX 32.5 MIN 30.5

