

GROUND-WATER LEVELS

BEAUFORT COUNTY

351934076481001. Local number, NC-212; County number, BO-200.

LOCATION.--Lat 35°19'34", long 76°48'10", North American Datum of 1983, Hydrologic Unit 03020104, 1.5 mi north of Aurora, west of State Highway 306 on service road to south gate of PCS Phosphate. Owner: PCS Phosphate, Aurora Division.

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

WELL CHARACTERISTICS.--Drilled observation well, drilled to 168 ft, diameter 4 in., cased to 160 ft, open hole to 168 ft; measured depth 168 ft, December 1999.

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

DATUM.--Land-surface datum is 7 ft above NGVD of 1929 (from topographic map). Measuring point: Recorder shelf, 3.00 ft above land-surface datum.

REMARKS.--Well drilled to replace NC-13 (station id 35193207648001). Well is part of local-effects network.

PERIOD OF RECORD.--January 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.37 ft below land-surface datum, Jan. 26, 2000; lowest water level recorded, 125.28 ft below land-surface datum, Feb. 6, 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	110.08	110.15	105.21	105.37	123.56	112.31	110.08	103.60	98.30	99.21	106.08	96.96
2	110.09	110.29	105.25	105.31	124.39	111.97	110.60	103.19	98.23	98.97	106.07	96.89
3	110.00	110.23	105.31	105.17	124.62	111.53	105.92	103.11	98.35	98.87	105.97	98.73
4	108.83	110.10	105.33	105.38	124.76	111.49	103.85	103.03	98.36	98.96	105.89	103.25
5	109.89	110.03	105.27	105.38	125.07	111.53	106.63	102.18	98.41	99.02	106.34	106.60
6	109.84	110.02	105.22	105.11	125.21	111.45	100.06	98.76	98.42	99.12	106.38	---
7	109.88	109.94	105.20	105.13	115.86	111.38	103.33	94.89	95.21	99.20	106.50	---
8	109.89	109.86	105.27	105.24	121.51	111.35	105.93	94.69	94.12	99.25	106.53	---
9	109.84	109.93	105.47	105.12	124.10	111.34	102.77	93.30	97.46	101.58	106.68	---
10	109.68	109.88	105.58	105.10	120.53	111.29	102.44	92.50	97.70	105.06	106.70	---
11	109.59	109.83	105.50	105.09	122.12	111.37	102.27	92.78	97.83	113.73	106.71	---
12	109.56	109.95	105.53	105.06	124.38	111.27	102.28	89.64	97.46	116.31	106.68	---
13	109.73	109.90	105.48	104.92	124.10	109.44	102.64	91.97	95.24	118.28	106.65	---
14	109.88	107.21	105.45	104.75	119.13	110.94	103.12	91.95	97.43	118.39	106.69	---
15	109.88	105.20	105.62	104.61	113.97	111.00	103.49	94.11	97.76	119.69	106.81	---
16	109.86	105.78	105.71	104.80	112.97	98.11	103.68	95.36	97.99	109.29	106.94	---
17	109.95	105.98	105.58	104.64	112.56	102.78	107.61	95.63	98.11	99.62	107.00	---
18	110.05	105.97	102.06	104.66	112.43	107.67	114.12	95.77	96.97	99.19	106.93	---
19	109.89	105.77	99.70	104.46	112.26	109.77	102.23	95.87	98.38	98.73	106.91	---
20	110.00	105.82	104.95	104.38	112.08	106.49	102.05	95.86	98.53	98.41	106.76	---
21	110.07	105.91	105.44	104.30	111.87	109.97	102.77	95.95	98.56	98.23	103.84	---
22	110.08	105.92	105.61	104.41	111.81	105.22	102.98	96.47	98.54	98.15	104.07	---
23	109.93	105.95	105.54	104.23	111.77	103.50	103.06	99.77	98.50	97.11	105.62	---
24	109.64	105.89	105.44	101.00	111.81	109.08	106.24	104.34	98.45	103.97	104.76	---
25	109.93	105.79	105.47	103.13	114.52	110.05	112.75	101.15	98.51	102.38	105.35	---
26	109.42	105.61	105.35	103.57	121.96	110.32	111.35	100.38	98.56	103.03	106.31	109.80
27	109.96	105.51	105.36	103.87	118.10	110.29	111.47	105.64	98.58	101.41	105.41	115.09
28	110.33	105.46	105.28	104.00	112.92	110.45	111.44	106.29	98.52	102.81	95.85	121.80
29	110.52	105.56	105.31	111.71	---	110.45	106.54	106.47	98.64	105.25	97.74	115.59
30	110.08	105.32	105.37	121.70	---	110.39	105.24	99.85	99.03	105.31	97.52	110.83
31	110.01	---	105.36	122.88	---	110.43	---	98.57	---	105.95	97.20	---

WTR YR 2002 MEAN 106.02 HIGH 89.64 LOW 125.21

