

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 sea level (from topographic map). Measuring point: Recorder shelf, 3.00 ft above land-surface datum.

REMARKS.--Well drilled to replace NC-13. 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, 121.21 ft below land-surface datum, Dec. 25, 26, 2001.

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	113.86	118.97	119.78	119.41	119.11	118.98	117.69	---	107.05	112.86	---	109.98
2	114.28	119.16	119.83	119.41	119.09	119.99	117.83	---	106.76	112.68	---	110.23
3	114.61	119.25	119.83	119.38	119.17	120.38	114.79	---	110.57	112.53	---	110.53
4	114.86	119.29	118.21	119.27	119.15	120.50	111.49	75.51	111.99	112.41	---	109.71
5	114.77	118.38	119.35	119.17	118.70	120.58	110.95	75.64	112.34	112.33	---	110.28
6	115.91	118.95	117.59	118.62	117.67	120.74	110.58	75.71	111.99	112.32	---	110.69
7	116.27	119.38	119.23	118.42	117.26	120.92	---	75.81	111.59	112.35	---	110.84
8	116.55	119.54	119.68	117.59	117.02	120.99	---	75.92	111.56	112.28	---	110.74
9	116.76	118.93	119.99	114.03	116.79	120.44	---	75.74	111.13	111.76	---	109.97
10	115.79	118.85	120.12	117.25	116.38	118.41	---	75.65	110.09	113.56	---	109.45
11	116.57	118.98	120.11	117.95	116.57	117.43	---	75.85	109.93	113.72	---	109.09
12	108.23	119.02	120.17	118.22	116.84	116.89	---	75.77	108.64	113.90	104.49	108.84
13	111.62	119.13	120.37	118.39	117.87	116.42	---	75.75	107.90	110.25	105.09	108.68
14	116.37	119.24	120.28	118.29	108.53	116.32	---	75.88	110.80	109.21	104.78	108.65
15	117.31	119.38	120.37	118.39	115.84	116.16	---	80.67	107.02	108.94	104.54	109.23
16	117.77	119.45	119.21	118.51	117.67	116.01	---	89.60	110.06	111.08	104.50	109.49
17	118.11	119.48	120.45	118.68	118.37	115.92	---	85.75	110.55	113.81	104.37	109.28
18	118.35	119.49	119.71	118.71	118.98	115.87	---	85.03	102.23	113.96	104.29	109.45
19	118.57	119.06	119.01	118.71	118.94	115.85	---	85.44	108.87	---	104.21	109.56
20	118.76	118.78	120.31	118.66	117.91	115.64	---	86.19	108.33	---	104.35	109.93
21	118.86	118.70	120.59	118.93	117.46	115.31	---	86.99	107.86	---	104.38	110.02
22	119.04	118.68	120.72	119.04	117.97	115.31	---	87.17	112.04	---	104.37	110.10
23	118.90	118.89	120.93	118.96	118.64	115.49	---	87.27	112.73	---	106.09	110.07
24	116.71	119.27	120.92	118.98	118.84	116.59	---	87.43	113.17	---	108.99	110.07
25	115.46	119.43	121.11	119.03	118.49	117.06	---	87.38	111.48	---	109.62	109.98
26	111.91	119.43	121.17	119.12	117.22	117.18	---	87.10	110.13	---	109.99	110.04
27	116.16	119.52	121.05	119.00	118.08	117.52	---	86.94	112.75	---	110.17	110.20
28	117.48	119.73	120.06	119.10	118.68	117.71	---	86.80	113.15	---	110.19	110.19
29	118.17	119.61	119.32	119.07	---	117.71	---	90.55	113.32	---	110.17	110.14
30	118.54	119.62	119.22	118.90	---	117.64	---	106.89	113.13	---	109.84	110.09
31	118.79	---	119.35	119.00	---	117.65	---	109.35	---	---	109.78	---

WTR YR 2001 MEAN 112.45 HIGH 75.51 LOW 121.17

BEAUFORT COUNTY--Continued

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