

GROUND-WATER LEVELS

LENOIR COUNTY—Continued

351937077284201. Local number, NC-185; DENR Graingers Research Station well Q25d12; County number, LN-110.

LOCATION.--Lat 35°19'38", long 77°28'41", Hydrologic Unit 03020202, 1.6 mi northeast of Graingers on N.C. Highway 11 at E. I. du Pont de Nemours and Company, Kinston Plant. Owner: DENR (North Carolina Department of Environment, and Natural Resources).

AQUIFER.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 134 ft, diameter 4 in., screened interval from 124 to 134 ft.

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

DATUM.--Land-surface datum is 66 ft above NGVD of 1929 (from topographic map). Measuring point: Top of instrument shelf, 3.10 ft above land-surface datum.

REMARKS.--Well is part of areal-effects network. Water-level rise in late 1992 was a result of local pumping well shutdown.

PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.14 ft below land-surface datum, Sept. 24, 1999; lowest water level recorded, 60.61 ft below land-surface datum, July 31, 1987.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.00	41.56	41.69	40.91	41.78	40.90	41.55	41.84	42.49	42.14	43.07	41.92
2	41.99	41.42	41.76	40.97	41.80	40.85	41.60	41.78	42.58	42.07	43.06	41.96
3	41.98	41.34	41.82	41.01	41.73	40.82	41.65	41.68	42.66	42.01	42.98	41.95
4	41.96	41.29	41.83	41.05	41.77	40.77	41.69	41.52	42.70	42.01	42.97	41.91
5	41.97	41.31	41.73	41.07	41.80	40.72	41.76	41.35	42.70	42.05	42.97	41.82
6	42.03	41.39	41.71	41.14	41.72	40.69	41.81	41.23	42.70	42.09	42.97	41.70
7	42.07	41.41	41.75	41.22	41.64	40.75	41.81	41.11	42.65	42.12	42.99	41.58
8	42.12	41.47	41.76	41.25	41.74	40.82	41.80	41.02	42.60	42.17	43.00	41.49
9	42.10	41.54	41.77	41.24	41.75	40.97	41.85	40.96	42.51	42.23	43.00	41.45
10	42.05	41.56	41.73	41.28	41.68	41.06	41.93	40.94	42.40	42.28	42.96	41.49
11	42.03	41.55	41.58	41.34	41.65	41.13	41.94	41.04	42.34	42.34	42.93	41.55
12	42.04	41.53	41.59	41.34	41.62	41.15	41.86	41.22	42.32	42.36	42.94	41.60
13	42.03	41.52	41.57	41.35	41.58	41.27	41.73	41.38	42.35	42.37	42.90	41.63
14	42.02	41.60	41.38	41.39	41.50	41.33	41.67	41.50	42.43	42.38	42.83	41.64
15	41.97	41.64	41.17	41.37	41.41	41.32	41.67	41.61	42.47	42.43	42.49	41.61
16	42.05	41.68	41.01	41.46	41.36	41.27	41.66	41.72	42.49	42.51	42.16	41.56
17	42.07	41.71	40.75	41.50	41.23	41.27	41.63	41.81	42.51	42.56	41.95	41.52
18	42.07	41.75	40.63	41.43	41.04	41.33	41.60	41.87	42.49	42.59	41.80	41.54
19	42.11	41.71	40.53	41.49	40.92	41.35	41.58	41.93	42.46	42.64	41.70	41.71
20	42.15	41.66	40.49	41.57	40.82	41.36	41.55	42.00	42.57	42.71	41.63	41.84
21	42.13	41.70	40.51	41.61	40.74	41.24	41.57	42.06	42.66	42.77	41.54	41.89
22	42.07	41.67	40.47	41.60	40.79	41.29	41.63	42.13	42.69	42.81	41.48	41.91
23	42.11	41.64	40.42	41.63	40.80	41.35	41.66	42.21	42.72	42.83	41.40	41.90
24	42.20	41.58	40.36	41.64	40.78	41.39	41.74	42.19	42.68	42.84	41.34	41.89
25	42.28	41.54	40.37	41.72	40.84	41.42	41.80	42.19	42.59	42.87	41.29	41.90
26	42.28	41.57	40.42	41.69	40.91	41.46	41.77	42.22	42.54	42.88	41.28	41.94
27	42.23	41.60	40.44	41.66	40.93	41.47	41.69	42.27	42.53	42.89	41.29	42.00
28	42.21	41.58	40.48	41.69	40.96	41.51	41.81	42.32	42.49	42.92	41.36	42.00
29	42.08	41.59	40.55	41.72	40.93	41.57	41.87	42.42	42.35	42.99	41.51	42.08
30	41.90	41.68	40.66	41.68	---	41.59	41.86	42.49	42.22	43.03	41.67	42.17
31	41.72	---	40.83	41.73	---	41.57	---	42.44	---	43.06	41.83	---
WTR YR	2004	MEAN	41.77	HIGH	40.36	LOW	43.07					

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