LENOIR COUNTY

351937077284211. Local number, NC-223; DENR Graingers Research Station well Q25d11; County number, LN-105.

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

AQUIFER.--Surficial aquifer of post-Miocene age.

WELL CHARACTERISTICS.--Drilled observation well, depth 40 ft, diameter 4 in., screened interval from 30 to 40 ft.

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

DATUM.--Land-surface datum is 66 ft above NGVD of 1929 (from topographic map). Measuring point: Instrument shelter floor, 1.80 ft above land-surface datum.

REMARKS.--Well is part of areal-effects network.

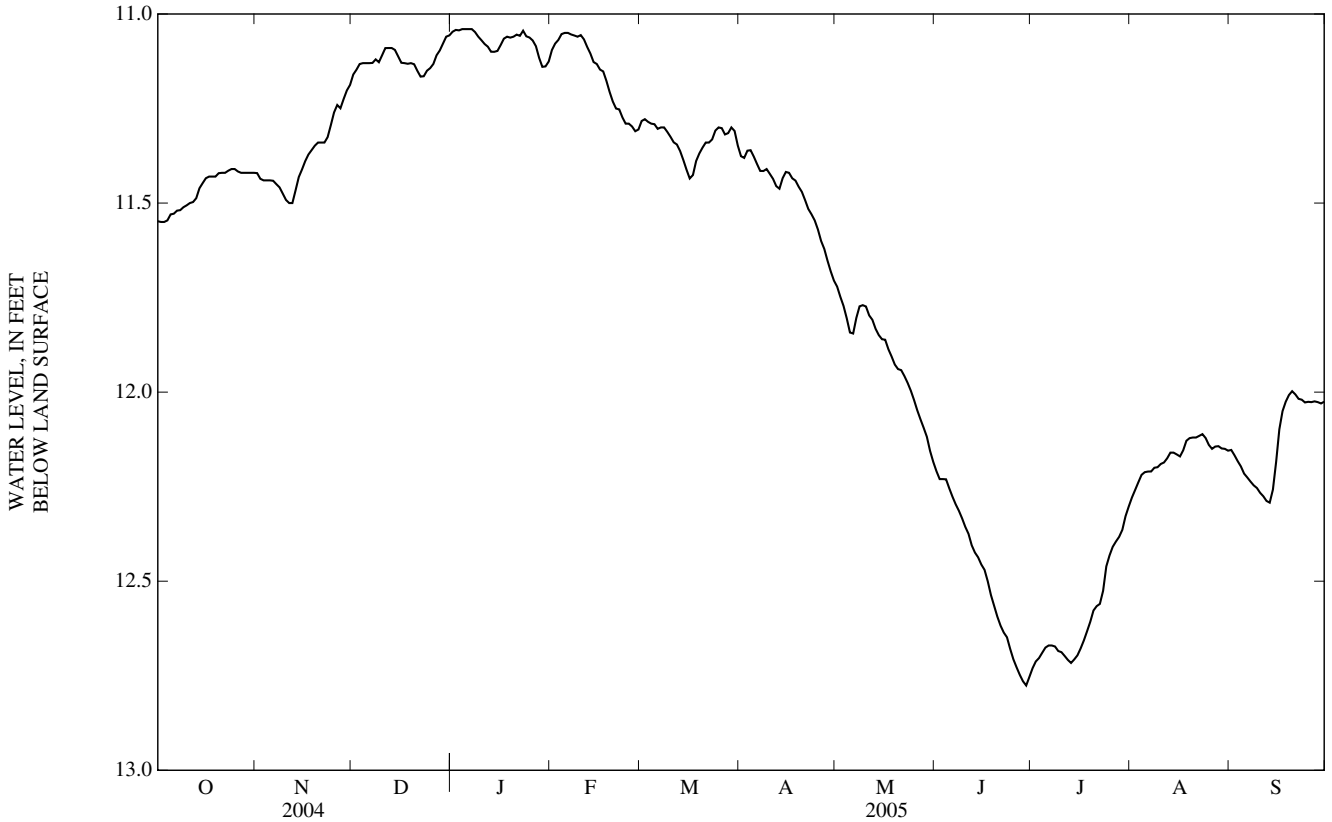
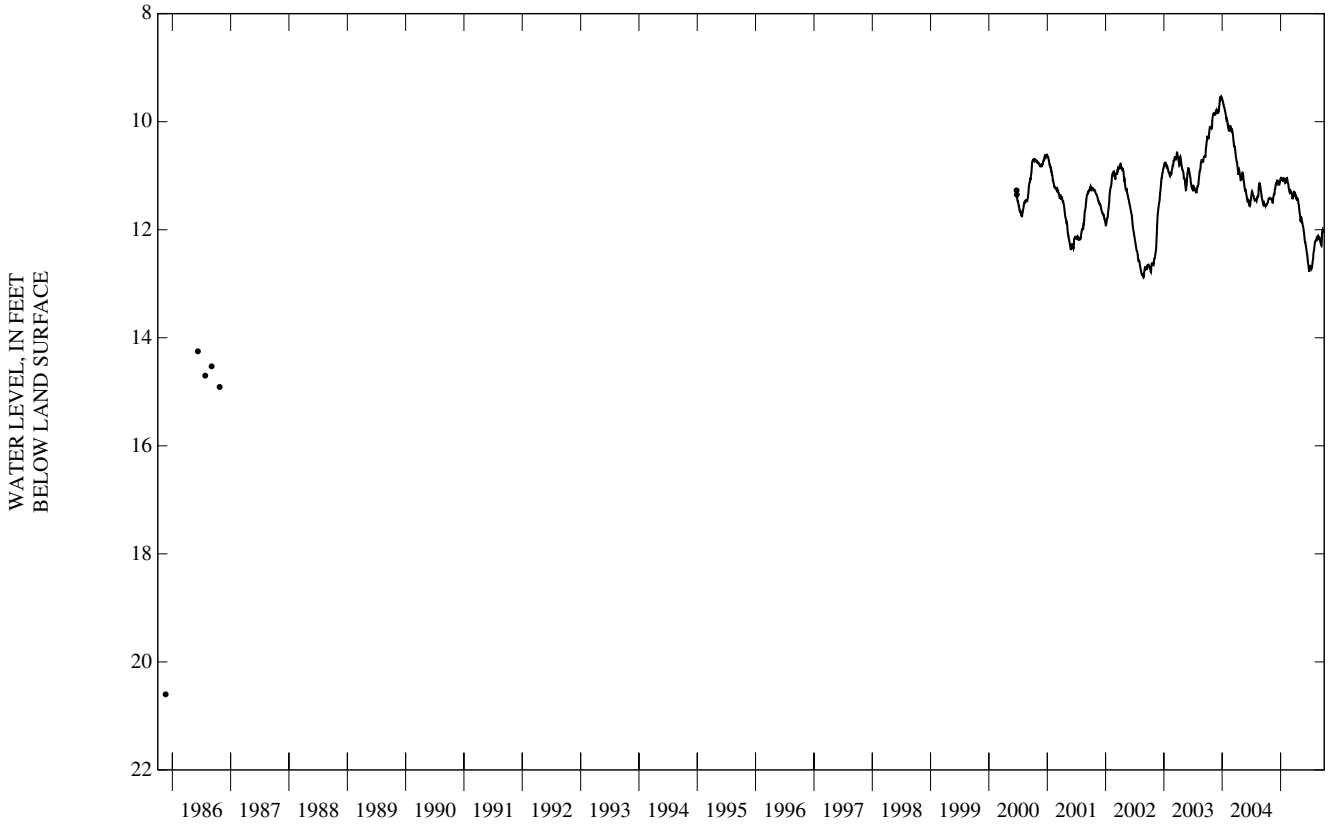
PERIOD OF RECORD.--November 1985 to current year. Periodic water level measurements November 1985 to October 1986. Continuous record began June 2000.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.54 ft below land-surface datum, Dec. 19, 20, 25-27, 2003; lowest water level measured, 20.60 ft below land-surface datum, Nov. 19, 1985.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.55	11.42	11.16	11.05	11.10	11.28	11.38	11.72	12.21	12.73	12.28	12.15
2	11.55	11.44	11.15	11.04	11.08	11.28	11.38	11.75	12.23	12.71	12.26	12.17
3	11.55	11.44	11.13	11.04	11.07	11.29	11.36	11.77	12.23	12.70	12.24	12.18
4	11.55	11.44	11.13	11.04	11.05	11.29	11.36	11.80	12.23	12.69	12.22	12.20
5	11.53	11.44	11.13	11.04	11.05	11.29	11.38	11.84	12.25	12.68	12.21	12.22
6	11.53	11.44	11.13	11.04	11.05	11.30	11.40	11.85	12.28	12.67	12.21	12.23
7	11.52	11.45	11.13	11.04	11.05	11.30	11.41	11.80	12.30	12.67	12.21	12.24
8	11.52	11.46	11.12	11.05	11.06	11.30	11.42	11.77	12.31	12.67	12.20	12.25
9	11.51	11.47	11.13	11.06	11.06	11.31	11.41	11.77	12.33	12.68	12.20	12.25
10	11.51	11.49	11.11	11.07	11.06	11.32	11.42	11.77	12.36	12.69	12.19	12.27
11	11.50	11.50	11.09	11.08	11.07	11.34	11.44	11.80	12.37	12.70	12.19	12.28
12	11.50	11.50	11.09	11.09	11.09	11.35	11.46	11.81	12.40	12.71	12.18	12.29
13	11.49	11.47	11.09	11.10	11.10	11.36	11.46	11.83	12.42	12.72	12.16	12.29
14	11.46	11.43	11.10	11.10	11.13	11.39	11.43	11.85	12.44	12.71	12.16	12.26
15	11.45	11.41	11.11	11.10	11.13	11.41	11.42	11.86	12.46	12.70	12.16	12.18
16	11.43	11.39	11.13	11.08	11.15	11.44	11.42	11.86	12.47	12.68	12.17	12.10
17	11.43	11.37	11.13	11.07	11.15	11.43	11.43	11.89	12.50	12.66	12.15	12.05
18	11.43	11.36	11.13	11.06	11.18	11.39	11.44	11.91	12.54	12.63	12.13	12.03
19	11.43	11.35	11.13	11.06	11.21	11.37	11.46	11.93	12.57	12.61	12.12	12.01
20	11.42	11.34	11.13	11.06	11.23	11.35	11.47	11.94	12.59	12.58	12.12	12.00
21	11.42	11.34	11.15	11.05	11.25	11.34	11.49	11.94	12.62	12.57	12.12	12.01
22	11.42	11.34	11.17	11.06	11.25	11.34	11.52	11.96	12.64	12.56	12.12	12.02
23	11.41	11.33	11.16	11.04	11.27	11.33	11.53	11.98	12.65	12.53	12.11	12.02
24	11.41	11.29	11.15	11.06	11.29	11.31	11.55	12.00	12.68	12.46	12.12	12.03
25	11.41	11.26	11.14	11.06	11.29	11.30	11.57	12.02	12.71	12.43	12.14	12.03
26	11.42	11.24	11.13	11.07	11.30	11.30	11.60	12.05	12.73	12.41	12.15	12.03
27	11.42	11.25	11.11	11.09	11.31	11.32	11.62	12.07	12.75	12.40	12.14	12.02
28	11.42	11.22	11.10	11.12	11.31	11.31	11.65	12.09	12.76	12.38	12.14	12.03
29	11.42	11.20	11.08	11.14	---	11.30	11.68	12.12	12.78	12.36	12.15	12.03
30	11.42	11.19	11.06	11.14	---	11.31	11.71	12.16	12.75	12.33	12.15	12.03
31	11.42	---	11.06	11.13	---	11.35	---	12.18	---	12.30	12.15	---

WTR YR 2005 MEAN 11.69 HIGH 11.04 LOW 12.78

LENOIR COUNTY—Continued

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