

## GROUND-WATER LEVELS

## COLUMBUS COUNTY--Continued

342508078360802. Local number, NC-179; DENR Carver Moore Research Station well AA39v2; County number, CO-089.

LOCATION.--Lat 34°25'07", long 78°36'10", Hydrologic Unit 03040206, 6.7 mi north of Hallsboro, east of Secondary Road 1001 at abandoned school on Secondary Road 1724. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Upper Cape Fear aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 506 ft, diameter 4 in., screened interval from 496 to 506 ft.

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

DATUM.--Land-surface datum is 105.53 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 2.10 ft above land-surface datum.

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

PERIOD OF RECORD.--September 1975 to current year. Periodic water-level measurements November 1990 to June 2000. Continuous record January 1987 to November 1990, June 2000 to current year. Records from September 1975 to April 1986 are unpublished and available in the files of the Groundwater Section, DENR.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.11 ft below land-surface datum, July 20, 1976; lowest water level recorded, 50.26 ft below land-surface datum, Sept. 30, 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	49.27	49.57	49.62	49.71	49.62	49.71	49.54	49.72	49.82	49.99	50.01	50.10
2	49.31	49.57	49.63	49.74	49.67	49.65	49.55	49.72	49.82	49.99	50.02	50.09
3	49.34	49.57	49.64	49.66	49.68	49.49	49.55	49.74	49.84	49.99	50.03	50.08
4	49.34	49.58	49.64	49.67	49.66	49.54	49.59	49.76	49.87	50.00	50.04	50.08
5	49.34	49.57	49.67	49.70	49.71	49.59	49.60	49.75	49.89	50.01	50.04	50.08
6	49.34	49.58	49.67	49.62	49.71	49.60	49.61	49.75	49.89	50.03	50.04	50.09
7	49.35	49.59	49.66	49.56	49.60	49.61	49.65	49.75	49.89	50.06	50.04	50.13
8	49.41	49.60	49.65	49.62	49.59	49.61	49.66	49.75	49.91	50.08	50.10	50.15
9	49.43	49.61	49.66	49.62	49.64	49.61	49.66	49.75	49.92	50.09	50.13	50.15
10	49.43	49.61	49.68	49.62	49.62	49.61	49.67	49.77	49.92	50.07	50.14	50.13
11	49.42	49.61	49.63	49.62	49.59	49.62	49.67	49.79	49.92	49.97	50.14	50.14
12	49.42	49.65	49.65	49.62	49.61	49.61	49.67	49.79	49.92	49.97	50.14	50.20
13	49.42	49.67	49.65	49.57	49.61	49.50	49.66	49.77	49.92	49.97	50.18	50.23
14	49.41	49.66	49.63	49.60	49.64	49.51	49.65	49.75	49.91	49.97	50.18	50.21
15	49.43	49.63	49.65	49.58	49.65	49.53	49.65	49.80	49.90	49.93	50.18	50.19
16	49.43	49.63	49.69	49.61	49.62	49.54	49.65	49.82	49.91	49.93	50.19	50.16
17	49.44	49.64	49.65	49.61	49.61	49.57	49.65	49.82	49.93	49.93	50.18	50.15
18	49.47	49.67	49.58	49.61	49.67	49.58	49.65	49.79	49.97	49.93	50.13	50.15
19	49.47	49.66	49.59	49.59	49.69	49.58	49.65	49.78	49.99	49.93	50.13	50.16
20	49.47	49.65	49.61	49.60	49.66	49.56	49.65	49.80	50.02	49.95	50.14	50.16
21	49.47	49.65	49.67	49.61	49.61	49.55	49.65	49.81	50.03	49.98	50.15	50.17
22	49.47	49.65	49.71	49.63	49.61	49.57	49.65	49.81	50.01	49.99	50.16	50.17
23	49.46	49.65	49.69	49.62	49.61	49.58	49.69	49.83	49.95	49.99	50.16	50.19
24	49.46	49.62	49.64	49.59	49.64	49.58	49.71	49.83	49.94	49.99	50.16	50.21
25	49.47	49.61	49.66	49.59	49.66	49.58	49.71	49.84	49.94	49.99	50.16	50.21
26	49.49	49.61	49.65	49.62	49.63	49.57	49.72	49.84	49.94	49.99	50.16	50.21
27	49.50	49.61	49.66	49.62	49.62	49.54	49.73	49.85	49.94	49.99	50.16	50.21
28	49.55	49.62	49.66	49.62	49.68	49.56	49.71	49.86	49.94	50.01	50.16	50.21
29	49.57	49.62	49.66	49.62	---	49.57	49.69	49.86	49.95	50.03	50.14	50.23
30	49.57	49.62	49.71	49.62	---	49.56	49.72	49.84	49.98	50.05	50.14	50.25
31	49.57	---	49.71	49.63	---	49.56	---	49.82	---	50.05	50.14	---

WTR YR 2002 MEAN 49.77 HIGH 49.27 LOW 50.25

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