



Water-Data Report 2009

335629078115407 Local number BR-080 (NC-182), NCDENR Sunset Harbor Research Station well GG34s7, near Sunset Harbor, NC (Surficial)

Surficial aquifer system
Post Miocene (Quaternary + Pliocene) Rocks
Brunswick County, NC

LOCATION.--Lat 33°56'29", long 78°11'56" referenced to North American Datum of 1983, Brunswick County, NC, Hydrologic Unit 03040207, 1 mi north of Sunset Harbor, and 4.3 mi south of North Carolina Highway 211 on Secondary Road 1112. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, drilled to 15 ft, diameter 4 in., cased to 10 ft, screened interval from 10 ft to 15 ft.

DATUM.--Land-surface datum is 28.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of collar on casing, 2.65 ft above land-surface datum, August 19, 1986 to present.

PERIOD OF RECORD.--January 1987 to September 1997, October 2000 to current year.

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at site.

REMARKS.--Well is part of Brunswick County groundwater monitoring program. Water levels may be affected by local pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.63 ft above land-surface datum, October 8, 2005; lowest water level recorded, 14.27 ft below land-surface datum, October 31, 2003.

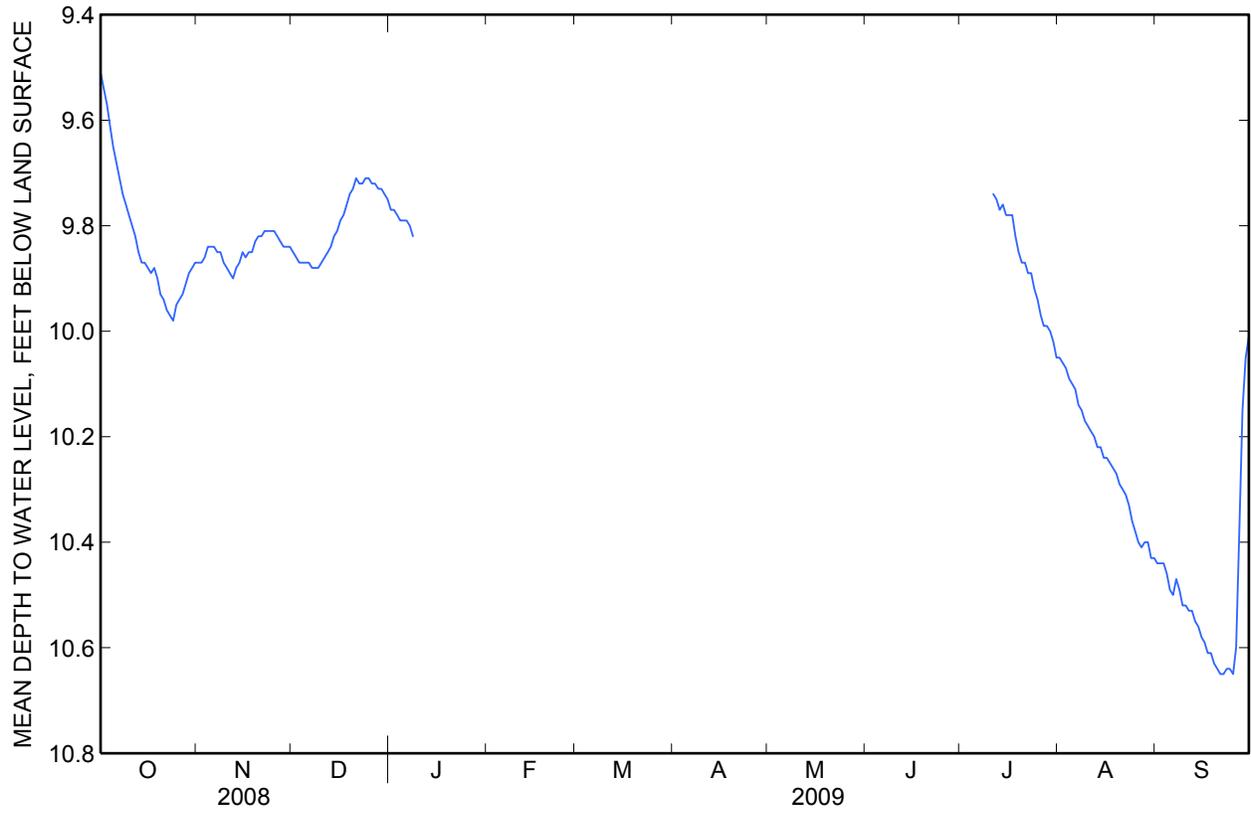
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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.51	9.87	9.85	9.77	---	---	---	---	---	---	10.05	10.44
2	9.54	9.87	9.86	9.77	---	---	---	---	---	---	10.06	10.44
3	9.57	9.86	9.87	9.78	---	---	---	---	---	---	10.07	10.44
4	9.61	9.84	9.87	9.79	---	---	---	---	---	---	10.09	10.46
5	9.65	9.84	9.87	9.79	---	---	---	---	---	---	10.10	10.49
6	9.68	9.84	9.87	9.79	---	---	---	---	---	---	10.11	10.50
7	9.71	9.85	9.88	9.80	---	---	---	---	---	---	10.14	10.47
8	9.74	9.85	9.88	9.82	---	---	---	---	---	---	10.15	10.49
9	9.76	9.87	9.88	---	---	---	---	---	---	---	10.17	10.52
10	9.78	9.88	9.87	---	---	---	---	---	---	---	10.18	10.52
11	9.80	9.89	9.86	---	---	---	---	---	---	9.74	10.19	10.53
12	9.82	9.90	9.85	---	---	---	---	---	---	9.75	10.20	10.53
13	9.85	9.88	9.84	---	---	---	---	---	---	9.77	10.22	10.55
14	9.87	9.87	9.82	---	---	---	---	---	---	9.76	10.22	10.56
15	9.87	9.85	9.81	---	---	---	---	---	---	9.78	10.24	10.58
16	9.88	9.86	9.79	---	---	---	---	---	---	9.78	10.24	10.59
17	9.89	9.85	9.78	---	---	---	---	---	---	9.78	10.25	10.61
18	9.88	9.85	9.76	---	---	---	---	---	---	9.82	10.26	10.61
19	9.90	9.83	9.74	---	---	---	---	---	---	9.85	10.27	10.63
20	9.93	9.82	9.73	---	---	---	---	---	---	9.87	10.29	10.64
21	9.94	9.82	9.71	---	---	---	---	---	---	9.87	10.30	10.65
22	9.96	9.81	9.72	---	---	---	---	---	---	9.89	10.31	10.65
23	9.97	9.81	9.72	---	---	---	---	---	---	9.89	10.33	10.64
24	9.98	9.81	9.71	---	---	---	---	---	---	9.92	10.36	10.64
25	9.95	9.81	9.71	---	---	---	---	---	---	9.94	10.38	10.65
26	9.94	9.82	9.72	---	---	---	---	---	---	9.97	10.40	10.60
27	9.93	9.83	9.72	---	---	---	---	---	---	9.99	10.41	10.38
28	9.91	9.84	9.73	---	---	---	---	---	---	9.99	10.40	10.15
29	9.89	9.84	9.73	---	---	---	---	---	---	10.0	10.40	10.05
30	9.88	9.84	9.74	---	---	---	---	---	---	10.02	10.43	10.01
31	9.87	---	9.75	---	---	---	---	---	---	10.05	10.43	---
Mean	9.82	9.85	9.79	9.79	---	---	---	---	---	9.88	10.25	10.50
Max	9.98	9.90	9.88	9.82	---	---	---	---	---	10.05	10.43	10.65
Min	9.51	9.81	9.71	9.77	---	---	---	---	---	9.74	10.05	10.01

Water Year 2009	
Mean	10.01
High	9.51
Low	10.65

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