



Water-Data Report 2010

361011079595401 Local number GU-659, NEAR OAK RIDGE (SURFICIAL)

Piedmont and Blue Ridge crystalline-rock aquifers

Regolith

Guilford County, NC

LOCATION.--Lat 36°10'11.2", long 79°59'53.8" referenced to North American Datum of 1983, Guilford County, NC, Hydrologic Unit 03030002, 600 ft southeast of Oak Ridge town hall at Oak Ridge. Owner: Town of Oak Ridge.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.-- Bored observation well, augered to 43 ft, diameter 2 in., cased to 33 ft, screened interval from 33 ft to 43 ft.

DATUM.--Land-surface datum is 970.1 ft above North American Vertical Datum of 1988. Measuring point: top of well casing, 3.95 ft above land-surface datum.

PERIOD OF RECORD.--January 2009 to current year.

PRECIPITATION: January 2009 to current year (station number 361011079595445).

GAGE.--Water-level recorder collecting data at 15-minute intervals. Satellite telemetry at site.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 17.38 ft below land-surface datum, April 25, 2010; lowest water level recorded, 22.88 ft below land-surface datum, October 29, November 1, 2009.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22.39	22.85	21.65	20.26	19.24	18.34	17.79	17.50	18.23	18.89	19.41	19.49
2	22.41	22.79	21.56	20.22	19.18	18.29	17.76	17.50	18.24	18.91	19.43	19.49
3	22.43	22.77	21.58	20.16	19.19	18.29	17.74	17.51	18.26	18.93	19.43	19.50
4	22.45	22.75	21.60	20.12	19.23	18.29	17.73	17.52	18.29	18.95	19.44	19.55
5	22.47	22.72	21.46	20.07	18.72	18.28	17.71	17.54	18.31	18.98	19.45	19.59
6	22.49	22.69	21.54	20.03	18.46	18.26	17.68	17.55	18.31	19.01	19.47	19.63
7	22.51	22.66	21.40	19.98	18.85	18.23	17.66	17.57	18.37	19.04	19.49	19.64
8	22.53	22.64	21.35	19.95	18.94	18.21	17.63	17.57	18.40	19.06	19.51	19.65
9	22.54	22.61	20.85	19.92	18.77	18.19	17.67	17.65	18.40	19.09	19.53	19.67
10	22.56	22.59	21.20	19.88	18.69	18.18	17.71	17.68	18.42	19.12	19.55	19.69
11	22.58	22.38	21.36	19.83	18.88	18.15	17.62	17.68	18.46	19.16	19.56	19.72
12	22.59	22.04	21.23	19.81	18.80	18.11	17.61	17.69	18.47	19.19	19.46	19.74
13	22.61	22.00	21.01	19.78	18.77	17.98	17.59	17.73	18.47	19.22	19.57	19.77
14	22.63	22.21	20.93	19.75	18.77	18.05	17.60	17.75	18.50	19.24	19.59	19.79
15	22.64	22.28	20.98	19.72	18.69	18.12	17.55	17.77	18.53	19.28	19.59	19.82
16	22.66	22.24	21.06	19.69	18.70	18.13	17.51	17.79	18.55	19.30	19.60	19.84
17	22.68	22.21	20.98	19.47	18.65	18.06	17.50	17.81	18.57	19.31	19.60	19.87
18	22.69	22.16	20.90	19.61	18.64	18.02	17.51	17.83	18.60	19.31	19.59	19.91
19	22.71	22.11	20.87	19.60	18.62	18.03	17.50	17.87	18.61	19.33	19.57	19.92
20	22.72	22.08	20.85	19.56	18.58	18.01	17.48	17.92	18.63	19.35	19.58	19.95
21	22.74	22.04	20.80	19.53	18.54	17.98	17.46	17.95	18.66	19.35	19.56	19.99
22	22.75	22.00	20.75	19.40	18.49	17.94	17.47	17.97	18.68	19.35	19.54	20.03
23	22.77	21.91	20.70	19.56	18.47	17.94	17.47	18.00	18.70	19.35	19.53	20.06
24	22.78	21.82	20.65	19.31	18.44	17.95	17.46	18.04	18.71	19.35	19.53	20.09
25	22.80	21.78	20.41	19.00	18.42	17.90	17.41	18.06	18.74	19.35	19.52	20.11
26	22.81	21.77	20.30	19.38	18.38	17.90	17.41	18.06	18.75	19.36	19.52	20.14
27	22.82	21.79	20.35	19.46	18.37	17.94	17.45	18.09	18.76	19.37	19.51	20.16
28	22.84	21.76	20.39	19.34	18.36	17.84	17.50	18.13	18.79	19.37	19.51	20.20
29	22.86	21.72	20.46	19.33	---	17.60	17.50	18.16	18.83	19.36	19.52	20.23
30	22.85	21.68	20.38	19.26	---	17.69	17.49	18.19	18.86	19.38	19.51	20.02
31	22.86	---	20.30	19.28	---	17.81	---	18.22	---	19.39	19.50	---

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