

Water-Data Report 2013

**355944079013401 Local number OR-691 DUKE FOREST RESEARCH STATION DF-1I NEAR EUBANKS, NC
(TRANSITION ZONE)**

Piedmont and Blue Ridge crystalline-rock aquifers
Transition Zone

Orange County, NC

LOCATION.--Lat 35°59'44.49", long 79°01'33.77" referenced to North American Datum of 1983, Orange County, NC, Hydrologic Unit 03030002, Duke Forest, Orange County, 3.34 miles northwest of Eubanks, NC. Land Owner: NCDENR Division of Water Resources.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Jet drilled observation well, 4 inch diameter PVC cased to 42 feet, screened interval from 42 to 52 feet.

DATUM.--Land-surface datum is 486.14 ft above North American Vertical Datum of 1988 by NCGS marker. Measuring point: Top of instrument shelf, 2.89 ft above land-surface datum, July 25, 2013 to present.

PERIOD OF RECORD.--February 2008 to current year. Records for February 2008 to October 2012 furnished by NCDENR Division of Water Resources. Continuous record July 2013 to September 2013.

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

REMARKS.--Well is part of the USGS Office of Groundwater Collection of Basic Records Program.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.25 ft below land-surface datum, June 16, 2010; lowest water level measured, 43.90 below land-surface datum, October 31, 2012.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	42.73	42.44
2	---	---	---	---	---	---	---	---	---	---	42.72	42.44
3	---	---	---	---	---	---	---	---	---	---	42.71	42.43
4	---	---	---	---	---	---	---	---	---	---	42.70	42.43
5	---	---	---	---	---	---	---	---	---	---	42.69	42.42
6	---	---	---	---	---	---	---	---	---	---	42.68	42.42
7	---	---	---	---	---	---	---	---	---	---	42.67	42.40
8	---	---	---	---	---	---	---	---	---	---	42.66	42.40
9	---	---	---	---	---	---	---	---	---	---	42.66	42.40
10	---	---	---	---	---	---	---	---	---	---	42.65	42.39
11	---	---	---	---	---	---	---	---	---	---	42.64	42.38
12	---	---	---	---	---	---	---	---	---	---	42.63	42.36
13	---	---	---	---	---	---	---	---	---	---	42.62	42.36
14	---	---	---	---	---	---	---	---	---	---	42.62	42.37
15	---	---	---	---	---	---	---	---	---	---	42.61	42.37
16	---	---	---	---	---	---	---	---	---	---	42.60	42.36
17	---	---	---	---	---	---	---	---	---	---	42.59	42.36
18	---	---	---	---	---	---	---	---	---	---	42.58	42.35
19	---	---	---	---	---	---	---	---	---	---	42.57	42.34
20	---	---	---	---	---	---	---	---	---	---	42.56	42.33
21	---	---	---	---	---	---	---	---	---	---	42.55	42.32
22	---	---	---	---	---	---	---	---	---	---	42.54	42.32
23	---	---	---	---	---	---	---	---	---	---	42.53	42.33
24	---	---	---	---	---	---	---	---	---	---	42.53	42.32
25	---	---	---	---	---	---	---	---	---	---	42.52	42.31
26	---	---	---	---	---	---	---	---	---	42.80	42.50	42.31
27	---	---	---	---	---	---	---	---	---	42.78	42.49	42.31
28	---	---	---	---	---	---	---	---	---	42.77	42.48	42.31
29	---	---	---	---	---	---	---	---	---	42.76	42.47	42.30
30	---	---	---	---	---	---	---	---	---	42.75	42.47	42.30
31	---	---	---	---	---	---	---	---	---	42.74	42.45	---
Mean	---	---	---	---	---	---	---	---	---	---	42.59	42.36
Max	---	---	---	---	---	---	---	---	---	---	42.73	42.44
Min	---	---	---	---	---	---	---	---	---	---	42.45	42.30

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