



Water-Data Report 2011

**354616081085101 Local number CW-350 OXFORD RESEARCH STATION NEAR CLAREMONT, NC
(TRANSITION ZONE)**

Piedmont and Blue Ridge crystalline-rock aquifers
Transition Zone

Catawba County, NC

LOCATION.--Lat 35°46'15.78", long 81°08'50.45" referenced to North American Datum of 1983, Catawba County, NC, Hydrologic Unit 03050101, 4 mi north of Claremont, NC. Owner: Alta Sales.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 74 ft, diameter 4 in., cased to 44 ft, screened interval from 44 ft to 64 ft, blank casing below screen from 64 ft to 74 ft.

DATUM.--Land-surface datum is 1,033 ft above North American Vertical Datum of 1988 (from topographic map). Measuring point: rim of casing, 2.70 ft above land-surface datum, March 2011 to present.

PERIOD OF RECORD.--March to September 2011.

PRECIPITATION: March to September 2011, published as station 354616081085145.

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

REMARKS.--Well is part of the Catawba-Wateree Drought Monitoring Network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.14 ft below land-surface datum, April 5, 2011; lowest water level recorded, 40.05 ft below land-surface datum, September 20, 21, 22, 2011.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	38.20	38.45	38.72	39.08	39.43	39.83
2	---	---	---	---	---	---	38.23	38.46	38.73	39.10	39.43	39.83
3	---	---	---	---	---	---	38.26	38.44	38.74	39.10	39.44	39.84
4	---	---	---	---	---	---	38.21	38.47	38.75	39.12	39.47	39.84
5	---	---	---	---	---	---	38.21	38.48	38.75	39.13	39.50	39.84
6	---	---	---	---	---	---	38.27	38.45	38.76	39.14	39.50	39.85
7	---	---	---	---	---	---	38.26	38.46	38.78	39.15	39.50	39.87
8	---	---	---	---	---	---	38.24	38.46	38.79	39.14	39.51	39.87
9	---	---	---	---	---	---	38.26	38.49	38.80	39.16	39.53	39.88
10	---	---	---	---	---	---	38.27	38.50	38.81	39.18	39.56	39.90
11	---	---	---	---	---	---	38.23	38.51	38.82	39.19	39.58	39.91
12	---	---	---	---	---	---	38.21	38.52	38.83	39.19	39.61	39.92
13	---	---	---	---	---	---	38.26	38.50	38.85	39.20	39.61	39.94
14	---	---	---	---	---	---	38.29	38.48	38.86	39.22	39.59	39.95
15	---	---	---	---	---	---	38.30	38.48	38.88	39.24	39.60	39.97
16	---	---	---	---	---	---	38.24	38.50	38.88	39.25	39.63	40.01
17	---	---	---	---	---	---	38.29	38.51	38.91	39.26	39.65	40.02
18	---	---	---	---	---	---	38.31	38.55	38.91	39.24	39.65	40.03
19	---	---	---	---	---	---	38.32	38.59	38.91	39.24	39.64	40.03
20	---	---	---	---	---	---	38.32	38.60	38.93	39.25	39.66	40.04
21	---	---	---	---	---	---	38.35	38.60	38.95	39.27	39.66	40.05
22	---	---	---	---	---	---	38.38	38.61	38.96	39.30	39.66	40.04
23	---	---	---	---	---	---	38.36	38.61	38.96	39.32	39.69	40.02
24	---	---	---	---	---	38.24	38.36	38.62	38.96	39.32	39.70	39.99
25	---	---	---	---	---	38.27	38.36	38.63	38.99	39.31	39.70	39.99
26	---	---	---	---	---	38.27	38.35	38.63	39.01	39.32	39.71	39.98
27	---	---	---	---	---	---	38.35	38.65	39.03	39.35	39.70	39.98
28	---	---	---	---	---	---	38.35	38.67	39.04	39.38	39.73	39.99
29	---	---	---	---	---	38.30	38.40	38.69	39.05	39.39	39.77	40.00
30	---	---	---	---	---	38.26	38.43	38.71	39.07	39.40	39.80	40.00
31	---	---	---	---	---	38.21	---	38.72	---	39.42	39.82	---
Mean	---	---	---	---	---	---	38.30	38.55	38.88	39.24	39.61	39.95
Max	---	---	---	---	---	---	38.43	38.72	39.07	39.42	39.82	40.05
Min	---	---	---	---	---	---	38.20	38.44	38.72	39.08	39.43	39.83

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