



Water-Data Report 2013

355522079043001 Local number OR-069 (NC-126), AT CHAPEL HILL, NC (REGOLITH)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Orange County, NC

LOCATION.--Lat 35°54'31", long 79°03'29" referenced to North American Datum of 1983, Orange County, NC, Hydrologic Unit 03030002, in Chapel Hill, west of University of North Carolina campus, southeast of intersection of Cameron Avenue and Ransom Street. Owner: Chi Psi Fraternity.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Dug observation well, depth 48 ft, diameter 36 in., lined with rock; measured depth 46.7 ft, November 2011.

DATUM.--Land-surface datum is 511.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of shelf, 3.27 ft above land-surface datum, July 1981 to present.

PERIOD OF RECORD.--January 1943 to current year. Continuous record January 1943 to March 1948, December 1999 to December 2013 (discontinued).

GAGE.--Measured periodically with electric and steel tapes.

REMARKS.--Well is part of North Carolina groundwater network.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.22 ft below land-surface datum, May 14, 1984; lowest water level occurred during periods when well was dry, October 11 to December 31, 1940, October 13, 1988 to January 24, 1989, August 19 to September 4, 2012, and September 10 to September 19, 2012, October 23, 2012, and December 18, 2012.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: --, static; D, site was dry (no water level was recorded).]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 1, 2012	46.59	T	--	Apr 16, 2013	45.58	T	--
23		T	D	Jun 12	44.14	T	--
Dec 18		T	D	Jul 18	42.43	T	--
Mar 7, 2013	46.32	T	--				

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