

Hydrology Section — Land, Water and Conservation Division

South Carolina Department of Natural Resources

www.dnr.sc.gov

803-734-9100



DNR

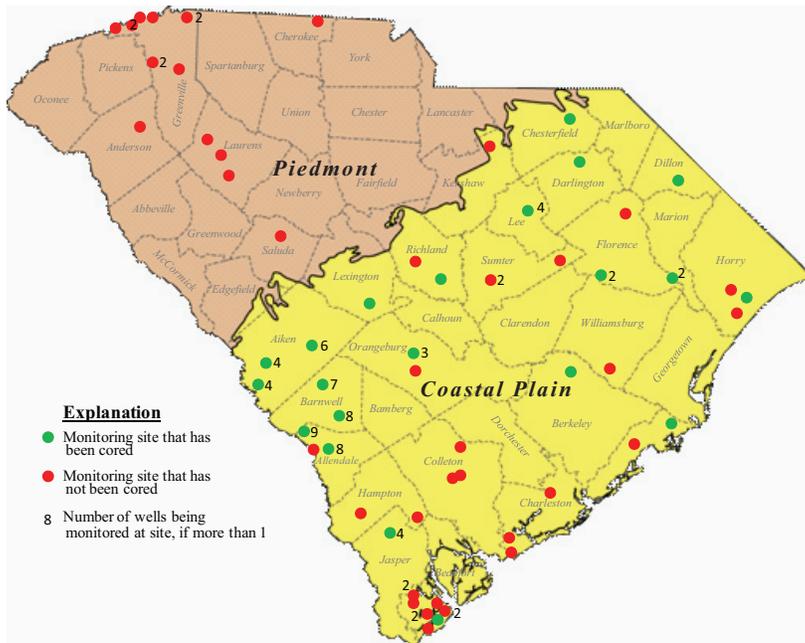
PROJECT: Groundwater Monitoring Network

OBJECTIVE: Collect continuous water-level data from wells across the State

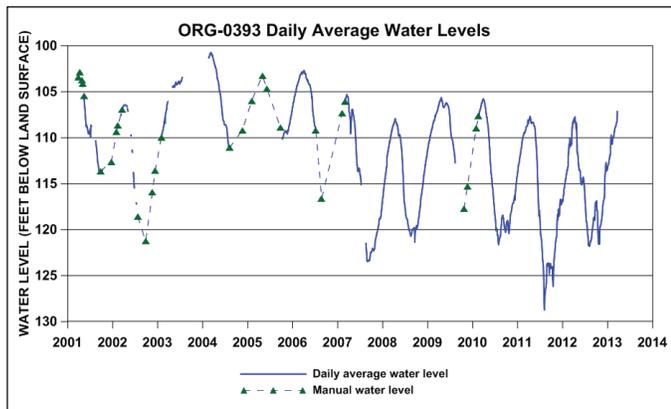
The Hydrology Section maintains a groundwater monitoring network currently consisting of 115 wells located at 59 sites in the Coastal Plain, Piedmont, and Blue Ridge Provinces. Water levels in these wells are continuously or periodically measured year round. Data collected are used to assess groundwater availability, aid in groundwater management decisions, examine interactions between groundwater and surface water, assess drought conditions, and calibrate groundwater models.

Wells at 21 of these monitoring sites have been cored and therefore have a detailed lithologic and stratigraphic description available. Nineteen of the sites have two or more wells, with each well completed in a separate aquifer or in a separate zone of a single aquifer. 77 of the wells are equipped with automated data recorders (ADRs), which measure and record data on an hourly basis. Water levels in the remaining wells are measured manually about once every other month.

Water-level data collected from this network are available on the DNR Hydrology website:
<http://www.dnr.sc.gov/water/hydro/groundwater/index.html>



Network of DNR groundwater monitoring wells.



Water levels measured in Orangeburg County monitoring well ORG-0393.



Monitoring wells in Orangeburg County, with automatic data recorders installed.

Selected reports:

SCDNR Water Resources Report 50: *Ground-water levels in South Carolina, 2006–2010* (2012) Harder, S.V., Gawne, C. E., Gellicci, J.A., and Wachob, A.: http://www.dnr.sc.gov/water/hydro/HydroPubs/Abs_dnr_R50.htm

SCDNR Water Resources Report 41: *Water resources data for South Carolina, 2000–2005* (2007) Agerton, K., Park, A. D., Gawne, C. E., and Wachob, A.: http://www.dnr.sc.gov/water/hydro/HydroPubs/Abs_dnr_R41.htm

SCDNR Water Resources Report 26: *Ground-water levels in South Carolina – a compilation of historical water-level data* (2003) Waters, K. E.: http://www.dnr.sc.gov/water/hydro/HydroPubs/Abs_dnr_R26.htm

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