United States Department of the Interior

U.S. GEOLOGICAL SURVEY

New England Water Science Center
New Hampshire - Vermont Office
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Ms. Martha Drukker
Associate Engineer
Engineering Services Division
Concord, NH 03301

Dear Ms. Drukker,

The US Geological Survey (USGS), in cooperation with State Agencies, obtains a large amount of data pertaining to the water resources of New Hampshire each year. These data constitute a valuable data base for developing an improved understanding of the water resources of the State.

USGS has been monitoring groundwater levels in Concord, NH since 1963 at groundwater monitoring well NH-CVW 2, located about 100 ft north of the Federal Aeronautics Administration Building at Concord Municipal Airport. Monthly measurements of groundwater levels are made at the location, which is a 60-ft deep well completed in an undifferentiated, stratified deposit. Historical data from this observation well may be accessed here:

http://groundwaterwatch.usgs.gov/AWLSites.asp?S=431224071303601&ncd=NHV

NH-CVW 2 has been included in a national network for the Collection of Basic Records (CBR). The CBR network is designed for (1) placing data collected during short-term projects in long-term climatic perspective, (2) providing a current index to drought conditions, (3) making long-term estimates of natural recharge and its temporal variability, and (4) filtering out climatic effects from water-level records affected by human-induced changes such as pumping or irrigation.

Recent quality-assurance checks of the well suggest a decrease in its connectivity to the surrounding aquifer. This often occurs when the screen becomes encrusted over time. Because of this USGS will be replacing the well in the near future to ensure the continued collection of high quality data.

Thank you in advance for your assistance with this project and recommendation for a license.

Best regards,

Richard Kiah, Chief, Hydrologic Network Operations