

**Working Session
Londonderry Conservation Commission
April 18, 2006—7:30 p.m.**

The meeting began at 7:40 p.m. by Dick Peskin who introduced Larry Becker, state geologist. Members of the Conservation Commission were present as well as others, including Jim Twitchell.

Purpose: Description of Londonderry aquifer—by State of Vermont geologist, Larry Becker.

Summary:

Need information to drill new wells and identify others in trouble.

Title of presentation: Groundwater Resources and Protection.

66% of VT uses ground water.

Radon, radioactivity, etc. are a concern.

Groundwater is about 50 degrees and discharges into rivers from higher elevations.

Municipal wells are at valley bottom near streams and draw the water up which is induced discharge.

Since 1966 VT well drillers have to report the yield of wells. High yield wells—20 gal. /min. were identified and are labeled in Londonderry. Lower yields of 3 gal. /minute or less are also identified. Fractures make the difference of yield.

275 ft. wells are average in VT. Higher yields seem to be at valley bottom with wells not as deep. Wells for 25 people or more have a source protection area around them. There are 5 in Londonderry area.

Example of Arlington geology map.

Data regarding depth of wells, number of gal. /minute, etc. are collected on the wells in the town. Recharge potential is shown on the maps.

Long-term resource planning for Londonderry is needed. Public trust vs. correlative.

Dick Peskin asked for questions and a description of the prospective project from Larry Becker. It is realized that higher density building may cause a strain on the water resources. Discussion followed. The money for the project starts with seed money in order to apply for a grant. Municipal planning grant is an option. The project can be done in phases to ease the funding. The result of this study could allow the town to develop based on the water resources available.

Discussion will continue at the regular Conservation Commission meetings and a meeting with the Planning Commission should occur in the future.

Meeting adjourned at 8:50 p.m.

Respectfully submitted,

Margie J. Malko