

To: Water Commissioners
From: Wellhead Protection Committee
Subject: Hydrogeological Study
Happy Hollow Wells
Date: May 14, 2008

As was mentioned at a previous Water Department meeting, the Committee had discussed having a study conducted of groundwater flows in the area of the Happy Hollow Wells. Since the wells provide 50% of the town's drinking water, this area appeared to be a logical starting point in the development of the details of a Wellhead Protection Plan for Wayland.

The Committee obtained a comprehensive proposal structured in four phases from Douglas DeNatale of Earth Tech (please see included proposal). The Committee voted to go forward with Phase I of the study at a cost of \$4,500. This phase essentially involves looking at all available existing data to arrive at a general idea of the groundwater flows in the wellhead area.

Phase II as proposed would gather new data to arrive at a definitive detailed description of flows right around the wells, including installing observation wells. Earth Tech estimated that these field investigations would cost \$40-45,000, including a contingency for potential increases in drilling costs and materials, and to allow for some flexibility in the scope of the project.

It is our belief that a detailed evaluation of the area contributing groundwater to the Happy Hollow wells would provide information essential to maintaining a safe and reliable water supply. The Committee therefore recommends and requests that the Water Department include the allocation for Phase II in its FY09 budget.

Sherre Greenbaum
for Wellhead Protection Committee