

Water Resources Committee

Final Agenda

April 11, 2012

- 1. Minutes from Previous Meetings.**
- 2. Michael Hootstein Report to DEP.**
- 3. Draft Shutesbury Open Space Plan Comments.**
- 4. Develop, review & discuss available data resources; identify types of data & their utility, & additional data collection, compilation & analysis needs & methods:**
 - a. USGS Surficial Geology Map Utility & GIS Integration Update—Al Werner & Paul Lyons**
 - i. Opportunities & Constraints for Water Resources**
 - b. State Bedrock Geology Map Utility & GIS Integration Update—Al Werner**
 - i. Category Descriptions**
 - ii. Opportunities & Constraints for Water Resources**
 - iii. Possible Uranium & Arsenic in Some Well Water Concern—USGS Report Response & Mt. Holyoke Test Indications**
 - c. NRCS Soil Survey Report Access, Map Categories, Map Accuracy, Utility & GIS Integration—Paul Lyons & Bill Elliot**
 - i. Texture Class & Hydrologic Soil Group Mapping Updates**
 - ii. Depth to Bedrock Mapping Possibilities**
 - d. Mt. Holyoke College Student Hydrologic Study Update—Al Werner**
 - i. Town Residents' Questionnaire Responses & Data Management System Progress**
 - ii. Stream Sampling & Analysis Progress**
 - iii. Well Water Sampling & Analysis Progress**
 - iv. BOH Perc Test Records Compilation & Data Entry Progress**
 - v. BOH Well Test Records Compilation & Data Entry Progress**
 - vi. Correlations with Bedrock, Surficial Geology, Soils, Groundwater & Surficial Hydrology Maps**
 - e. Lake Wyola Watershed Streams & Lake Nitrogen & Phosphorous Records Compilation & Trend Graphing—Bill Elliot & Mark Rivers**
 - f. Weather & Climate Analysis**
- 5. Nitrate Concentration in Groundwater from Septic Systems—Bill Elliot**
 - a. Groundwater Recharge Analysis Models, Data Requirements & Acquisition Methods**

- 6. Investigation, data storage & analysis resources updates:**
 - **Proposed Additions & Updates to MassGIS Data Layers**
 - **Development of One Common Database for All Town Committees & Departments**
 - **GIS Services Collaborators--Shutesbury Assessor, MASSGIS, FRCOG, NQRLP, Mt. Holyoke College, UMass, Others?**
 - **Stream Flow Estimator & Stream Stats--USGS**
 - **Review scope of services & report written by Dr. Boutt, UMass Hydrogeologist, for town of Leverett, 2007.**
 - **UMass TEI—Bill Elliot**

- 7. Items that cannot reasonably be anticipated prior to meeting**