

Water Resources Committee

At Shutesbury Elementary School, 23 West Pelham Road

Final Agenda

July 13, 2011

- 1. Minutes from June 22, 2011, Meeting.**
- 2. Posting to town website update.**
- 3. Develop, review & discuss available data resources; identify types of data and their utility, and additional data collection, compilation and analysis needs & methods:**
 - a. USGS Surficial Geology Map Utility & GIS Integration Update—AI Werner**
 - b. State Bedrock Geology Map Category Descriptions, Utility & GIS Integration Update—AI Werner**
 - c. NRCS Soil Survey Report Access, Map Categories, Map Accuracy, Utility & GIS Integration—Paul Lyons**
 - i. Hydrologic Soil Group Mapping, Data Gaps & Analytic Conflict Resolution**
 - d. Mt. Holyoke College Student Hydrologic Study—AI Werner**
 - i. Town Residents' Questionnaire Responses & Data Management System**
 - ii. Town Clerk's offer to post Resident Questionnaire on Town Website**
 - iii. Water Quantity & Quality Parameters to Be Measured**
 - iv. Well & Surface Water Sampling Locations & Timing Selection Criteria**
 - v. Sampling Protocols**
 - vi. Smith College Lab Analysis & Data Assessment Collaboration**
 - vii. Shutesbury Elementary School Collaboration**
 - viii. BOH Perc Test & Well Test Records Compilation & Data Entry**
 - ix. 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. Landform, Elevation, Slope, Surficial Hydrology & Groundwater Maps**
 - g. Weather & Climate Analysis**
- 4. Investigation, data storage & analysis resources:**
 - County-wide Assessment Proposal by Glen Ayres & Michael Hootstein Update**

- **GIS Services--Shutesbury Assessor, MASSGIS, FRCOG, NQRLP, Mt. Holyoke College, UMass, Others?**
 - **Stream Flow Estimator--USGS**
 - **Review scope of services & report written by Dr. Boutt, UMass Hydrogeologist, for town of Leverett, 2007.**
 - **UMass TEI—Bill Elliot**
5. **Groundwater Recharge Analysis Models, Data Requirements & Acquisition Methods—Bill Elliot**
 6. **Update on new member recruitment**
 7. **Items that cannot reasonably be anticipated prior to meeting**