

Water Resources Committee

Final Agenda

September 14, 2011

- 1. Minutes from August 24, 2011, Meeting.**
- 2. Data Collected and Lessons Learned from Tropical Storms Irene and Lee**
- 3. 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**
 - 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. Uranium & Arsenic in Well Water Concern—USGS Report Response**
 - 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**
 - ii. Water Quantity & Quality Parameters to Be Measured**
 - iii. Well & Surface Water Sampling Locations & Timing Selection Criteria**
 - iv. Sampling Protocols**
 - v. Smith College Lab Analysis & Data Assessment Collaboration**
 - vi. Shutesbury Elementary School Collaboration**
 - vii. BOH Perc Test & Well Test Records Compilation & Data Entry**
 - viii. 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**
- 4. 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**
- 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**