

Water Resources Committee meeting at Shutesbury Town Hall

Final Agenda

May 9, 2012



DATE POSTED: This box for Town Clerk's use. 5/7/12
TIME: 5:30 AM PM Circle one

POSTED IN ACCORDANCE WITH THE PROVISIONS OF MGL 30A §§18-25

1. Minutes from Previous Meetings.
2. 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
3. Nitrate Concentration in Groundwater from Septic Systems—Bill Elliot
 - a. Groundwater Recharge Analysis Models, Data Requirements & Acquisition Methods
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. Items that cannot reasonably be anticipated prior to meeting