

Water Resources Committee

at Town Hall
Final Agenda

February 8, 2012

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7:45 pm

1. Minutes from Previous Meetings. 7PM
2. Lot 0-32 Possible Contamination Concerns Follow-Up
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 & 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. 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 Progress
 - ii. Stream Sampling & Analysis Progress
 - iii. Well Water Sampling & Analysis Progress
 - iv. Smith College Lab Analysis & Data Assessment Collaboration
 - v. Shutesbury Elementary School Collaboration
 - vi. BOH Perc Test Records Compilation & Data Entry Progress
 - vii. BOH Well Test Records Compilation & Data Entry Progress
 - 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. Items that cannot reasonably be anticipated prior to meeting