

Water Resources Committee

Final Agenda

January 25, 2012



DATE POSTED: This box for Town Clerk's use.
1/25/12
TIME: 6:00 AM (PM) Circle one

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

1. Minutes from Previous Meetings.
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