



Shutesbury Water Resources Committee

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6/14/13
TIME: 3:00 AM PM
Circle one

Final Agenda

June 19, 2013

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

1. **Minutes from Previous Meeting.**
2. **WATER QUALITY ISSUES--Develop, review & discuss available data resources; identify types of data & their utility & additional data collection, compilation & analysis needs & methods; identify potential problem areas; & recommend solutions, as needed:**
 - a. **Road Salt, Sand & Maintenance Questions—Mike Ross & Paul Lyons**
3. **SHUTESBURY HYDROLOGIC MODEL--Develop, review & discuss available data resources; identify types of data & their utility & additional data collection, compilation & analysis needs & methods; identify potential problem areas; & recommend solutions, as needed:**
 - a. **Water Resources Final Map & GIS Inventory Data Charts—Paul Lyons, et al**
 - b. **Model Components & Flow Chart Diagram—Hugh Harwell & Paul Lyons**
 - c. **Precipitation:**
 - i. **Weather Station History Graphs & Trend Analysis—Paul Lyons**
 - ii. **Al Werner's Home Site Records—Al Werner**
 - iii. **Climate Change Future Projections—Al Werner**
 - d. **Future Development Build-Out Projections—Paul Lyons & Hugh Harwell**
 - e. **Hydrologic Soil Groups Recharge Analysis Questions & GIS Mapping--Hugh Harwell & Paul Lyons**
 - f. **Lake Wyola Drainage Basin Surface & Groundwater Flow Patterns—Al Werner**
 - g. **Mt. Holyoke College Well Records Compilation & Analysis—Al Werner**
 - h. **Stream Flow Hydrographs—Paul Lyons & Al Werner**
 - i. **Monitoring Wells Proposal**
4. **WATER QUALITY ISSUES--Develop, review & discuss available data resources; identify types of data & their utility & additional data collection, compilation & analysis needs & methods; identify potential problem areas; & recommend solutions, as needed:**
 - a. **Nitrate Concentration in Groundwater from Septic Systems:**
 - i. **Housing Density & Land-Use Maps Overlaid with Hydrologic Soil Groups Map--Paul Lyons**
 - ii. **Mt. Holyoke College Well Test Results—Al Werner**
 - b. **Lake Wyola Development & Water Quality Records Compilation & Trend Graphing Mark Rivers**
 - c. **Stream Water Quality Records Compilation & Trend Graphing—Al Werner & Paul Lyons**
 - d. **Aquatic Ecosystem Health & Core Habitats Assessment—Mike Ross & Paul Lyons**
 - e. **Monitoring Wells Proposal**
5. **Items that cannot reasonably be anticipated prior to meeting**