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1/10/14
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**Shutesbury Water Resources Committee**  
*At Shutesbury Town Hall*  
**Final Agenda**

January 13, 2014 7 PM

1. Minutes from Previous Meetings.
2. New Chairman Election—All
3. Water Resources Final Map Lamination Status Report—April Stein
4. Groundwater Monitoring Wells Plan and Funding Proposal—Al Werner & Paul Lyons
5. 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 ConCom Coordination & Select Board Report—Mike Ross, Paul Lyons
  - b. 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
  - c. Lake Wyola Development & Water Quality Records Compilation & Trend Graphing--Mark Rivers
  - d. Stream Water Quality Records Compilation & Trend Graphing—Al Werner & Paul Lyons
  - e. Aquatic Ecosystem Health & Core Habitats Assessment—Mike Ross & Paul Lyons
6. 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 Map & GIS Inventory Data Charts—All
  - b. Model Components & Flow Chart Diagram—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
  - 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
7. Items that cannot reasonably be anticipated prior to meeting