

Source Water Protection Committee
Approved Minutes of Meeting 6/11/08

Members present: Dave Shinnlinger, Chairman; Bob Reagan, Selectman; John Bergeron, Secretary

Meeting called to order at 7 PM by chairman Shinnlinger.

The members discussed an implementation plan for the recently received NH DES Source Water Protection grant and that plan is attached. PSU CFE is working on a detailed plan for their portions of the grant. John Bergeron and Dave Shinnlinger will lead the septic survey activity and begin by assembling a spreadsheet of lake properties. Dave Shinnlinger will contact Alan Hanscomb, the NH DOT district engineer, to discuss DOT involvement in boundary signs, and Canaan Street stormwater management (road salt & sand). John Bergeron will contact the Meredith town planner to obtain a copy of the septic system survey conducted in their watershed. John will also contact Granite State Rural Water Association to obtain their PowerPoint slides used at a recent DES workshop, which may be useful in our outreach efforts. Additional discussion is needed and a will be continued to the next meeting.

Members also discussed an upcoming public meeting to be held at Cardigan Mountain School in early August to stimulate community interest in protecting the Canaan Street Lake Watershed. This will be held in conjunction with Canaan Lake Association and the Upper Valley land Trust. Dave Shinnlinger will lead the committee's involvement in this activity.

Also discussed were plans for an informational booth at Canaan's Old Home Day celebration, for the purpose of educating the public about Canaan's drinking water source. Bob Reagan will make arrangements for a booth and try to locate a map of water district users.

The financial plan was distributed prior to the meeting, but time did not allow for discussion and will be addressed at the next meeting.

The next meeting is scheduled for June 30th at 7 PM below the library.

Meeting adjourned at 9:05 PM

Respectfully Submitted,

John Bergeron, Secretary

Canaan Street Lake Water Grant

Summary of Tasks

J. Bergeron 6/10/08

1. Comprehensive Testing Program (*Plymouth State Responsibility*)
(*PSU is creating a detailed statement of work*) (*abbreviated task below*)
 - a. The CFE will develop a Quality Assurance Project Plan (QAPP). Samples will be collected by trained volunteers and delivered to CFE for analysis. All collected data will reside in the DES VLAP database.
 - b. Conduct additional chemical monitoring:
 - c. CFE will develop a proposed long term trend assessment plan
2. Septic System Management Plan
 - a. The Town will evaluate the impact of septic systems by conducting a septic system survey. The Town will collect and compile information on the type of system, installation date, location, and maintenance of septic systems within 250 feet of Canaan Street Lake. For older systems an onsite inspection will be conducted by the Town to assess the risks associated with older systems. Older systems will include any high risk sewage disposal situation. Several factors will be evaluated to assess potential risk and the need for inspection including system age, seasonal usage, bedrooms, soils, gradients, wetlands, pumping history, and tank size. The Town will estimate the cost and feasibility of continuing a septic system management program.

This task should include the following:

- ◆ *Identify persons responsible for task*
- ◆ *Identify all waterfront lots and lots within 250 feet of waterfront*
- ◆ *Capture septic data from DES files and possibly town*

files

- ◆ *Record data in spreadsheet*
- ◆ *Develop owner questionnaire for mail, phone, and/or personal interview*
- ◆ *Identify high risk septic systems*
- ◆ *Seek competitive bids for on-site inspections (MBE/WBE)*
- ◆ *approach owners and offer on-site inspections for high risk systems*
- ◆ *Evaluate risk and recommend future solutions in final report*
- ◆ *Complete task in 2008*

3. Watershed Boundary Signs

- a. Install watershed protection signs along the watershed boundaries. Submit pictures and invoices to DES.

This task should include the following:

- ◆ *Identify persons responsible for task*
- ◆ *Identify possible sign locations at watershed boundaries*
- ◆ *Identify sign design and text*
- ◆ *Approach DOT and seek permission and sign suggestions for Canaan Street*
- ◆ *Approach Highway department for comments and installation labor (grant pays labor)*
- ◆ *Ask DES for comment*
- ◆ *Hold public hearing perhaps at a selectman's meeting*
- ◆ *Revise sign and seek appropriate approvals*
- ◆ *Seek competitive bids, including minorities & women, for signs & posts (DOT sign standards)*
- ◆ *Install signs*
- ◆ *Complete task in 2008*

4. Planning Review and Education and Outreach Program

- a. CFE will work with UVLSPC to research the Town's current Master Plan and land use regulations to assess how the community addresses water quality for the Lake through the land use process. Develop recommendations for

improvement and present to the Town at a public meeting along with information regarding watershed planning. The land use/planning recommendations will also reflect the recommendations of the road maintenance and management plan. CFE will ask the Planning Board and the Board of Selectmen to designate representatives from each board or relevant committee members to review recommended improvements. Submit assessment and recommendations to DES for review and comment.

(PSU is developing a plan for this task)

- b. The Town, with assistance from CFE will distribute educational materials regarding watershed management, the comprehensive shoreland protection act (as amended in 2007), and proper septic system use and maintenance. Task 2 findings will be used to guide development of outreach and education materials. The Town will also distribute information regarding the recreational usage of the public water supply.

This task should include:

- ◆ *Identify persons responsible for this task*
- ◆ *Coordinate with PSU to establish plan*
- ◆ *summarize shoreland protection act*
- ◆ *summarize proper septic usage*
- ◆ *summarize proper recreational usage*
- ◆ *summarize human caused risks and solutions*
- ◆ *consult watershed plan*

- c. CFE and UVLSP will provide a public education program session on land use and water quality. Findings of the research on the land use process will be forwarded to DES for review and then will be presented at a public meeting to help guide the Town's future development around the Lake. The session will be publicized through mailings, newsletter articles and newspaper articles.

(PSU is developing a plan for this task)

Road Salt is not mentioned in the grant but we promised to do it in the proposal

This task should include the following:

- ◆ *Identify persons responsible for task*
- ◆ *Approach DOT to find possible options for Canaan St*
- ◆ *Approach Highway Dept and Selectmen to identify possible options (Back Bay Rd uses Sodium Chloride and Fernwood Farms Road uses Calcium Chloride)*
- ◆ *Consider impact and solutions for sand on all roads*
- ◆ *Implement quick fixes if possible and include longer range solutions in final report*
- ◆ *Coordinate with PSU to understand salt and sand risks and solutions*

- ◆ *Consult watershed plan*
- ◆ *Start in 2008 and complete in 2009*