

**2011 Northeast Private Well Water Symposium
November 14 & 15, 2011
Southbury, Connecticut
Final Report**

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Introduction

The 2011 Northeast Private Well Water Symposium was held November 14 & 15, 2011 at the Heritage Hotel in Southbury, CT. One hundred and twenty-four (124) people attended the program representing a diverse audience of Federal, state, and local agency and organization staff, university researchers, Extension faculty and staff, graduate students, private non-profit organizations, and private sector professionals. The majority of participants came from the Northeast. In addition, professionals attended from across the nation, including Virginia, Texas, and Ohio.

This final report contains information for the Symposium, including the evaluation summary and a list of attendees. Presentations and posters are on the event webpage at:
<http://www.usawaterquality.org/nesci/symposium2011>

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The goal of the 2011 Northeast Private Well Water Symposium was to bring together professionals working in the field of private well protection and provide the opportunity to communicate current research, share programming and educational approaches and material, and to interact with each other in an effort to reduce the risks associated with groundwater use to private well water users. The Program Planning Committee sought to integrate research, Extension, and education interests in a two-day format to enhance the protection of private drinking water supplies throughout the Northeast.

The Program Planning Committee anticipated that the symposium would result in:

1. A greater exchange of ideas among scientists, regulators, technical professionals, and risk communicators about private well water concerns;
2. An increased knowledge for participants about current contaminants of concern, contaminant analysis, water treatment systems, best protection practices, epidemiology and effective risk communication strategies;
3. A list of experts identified within the region on various private well water issues;
4. A better integration of current research into education programs for private well water users; and,
5. A gauge of the usefulness to continue this event.

Evaluation

The Program Planning Committee based the success of the Symposium on evaluation results that the participants completed. There was a 55% return rate on evaluations. The post-workshop questionnaire was designed to capture the following information and measured against the following objectives:

1. At least 85% of respondents will agree or agree strongly that the symposium provided an effective avenue for exchanging ideas about private well water issues.
As shown on page 3, 99% of the survey respondents strongly agreed or agreed with this statement.
2. At least 70% of respondents will report a significant increase in knowledge in at least one of the symposium topic areas.
100% percent of the survey respondents strongly agreed or agreed with this statement.
3. At least 30% of respondents will report that they anticipate contacting at least one expert/colleague they identified through the event within the year.
91% percent of survey respondents strongly agreed or agreed with this statement.
4. At least 60% of the respondents will report the integration of some knowledge gained from the symposium into their educational efforts within one year.
92% percent of survey respondents strongly agreed or agreed with this statement.
5. At least 90% of the respondents will express a positive opinion about the utility of this event as a regular event in the future.
100% of survey respondents strongly agreed or agreed with this statement.

In addition, the evaluation results serve as a needs assessment for future program planning, asking participants if this type of event should be held more regularly and what additional topics and items should be included in such an event.

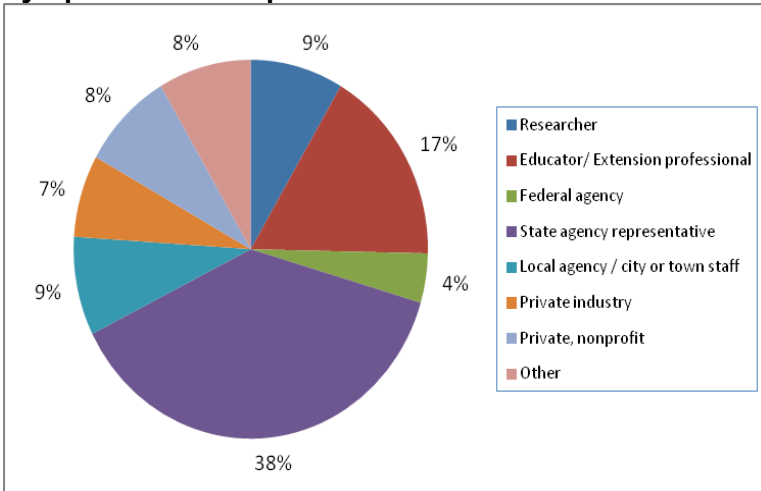
Program Evaluation Summary

Attendees: 124

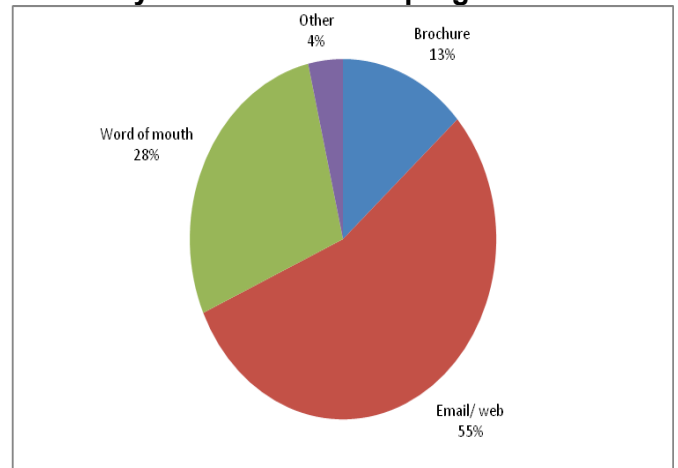
Number of evaluations returned: 69

Percent returned: 55%

Symposium Participants' Profession



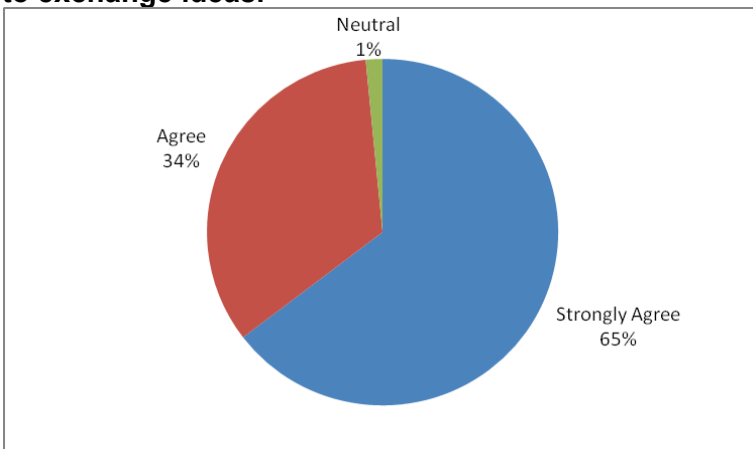
How did you hear about the program?



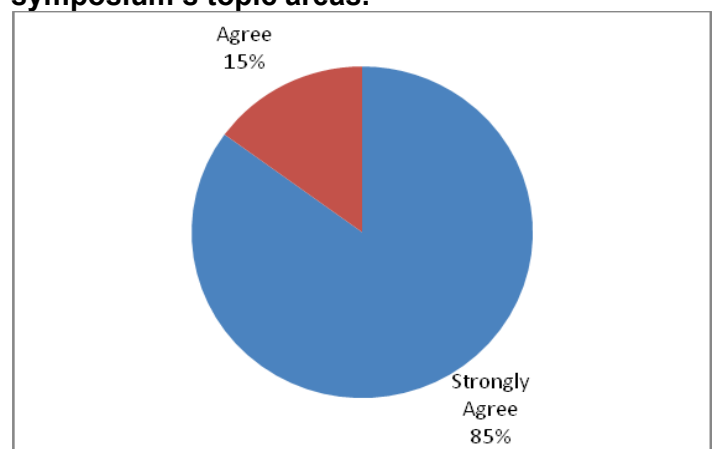
1. For the following questions, participants selected from the following scale:

Strongly Agree Agree Neutral Disagree Strongly Disagree

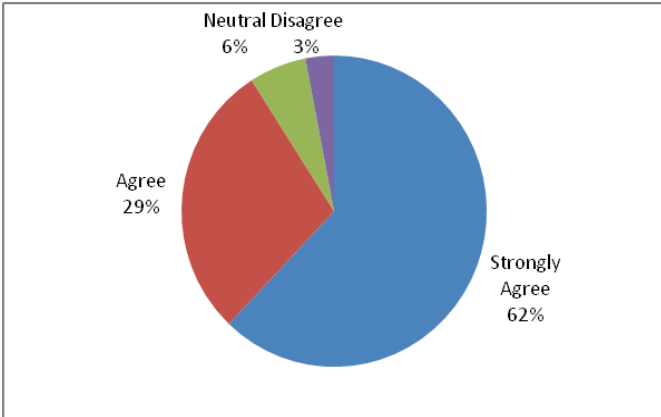
The symposium provided an effective way to exchange ideas.



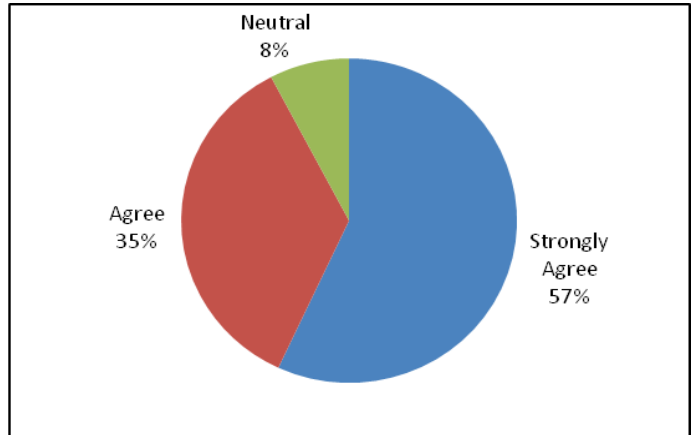
I gained knowledge in at least one of the symposium's topic areas.



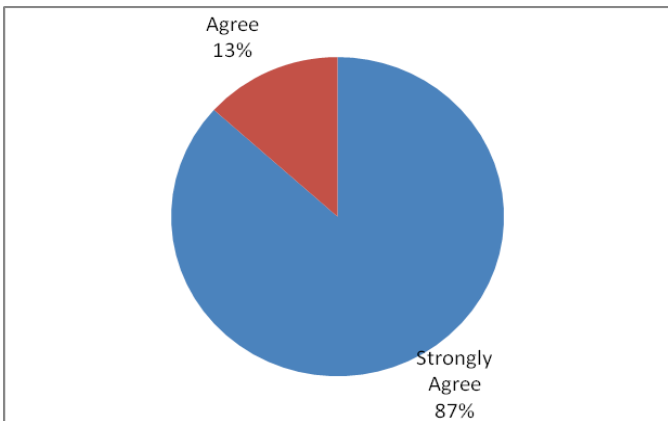
I anticipate contacting at least one person that I learned about at the symposium, within the next year.



I will be able to use what I learned at this event to improve my work with private wells or their owners.



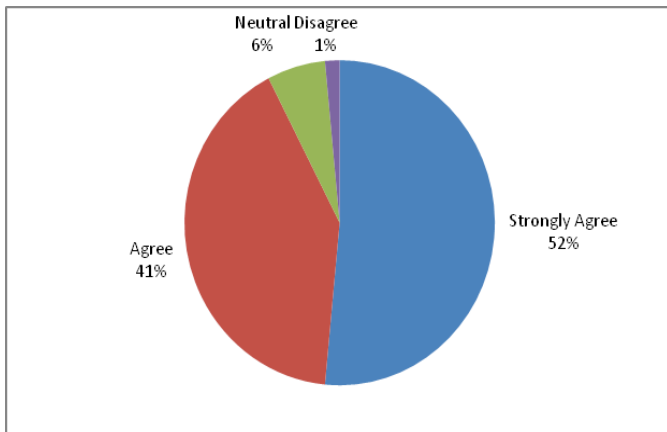
This event was worthwhile and should be held as a regular event in the future.



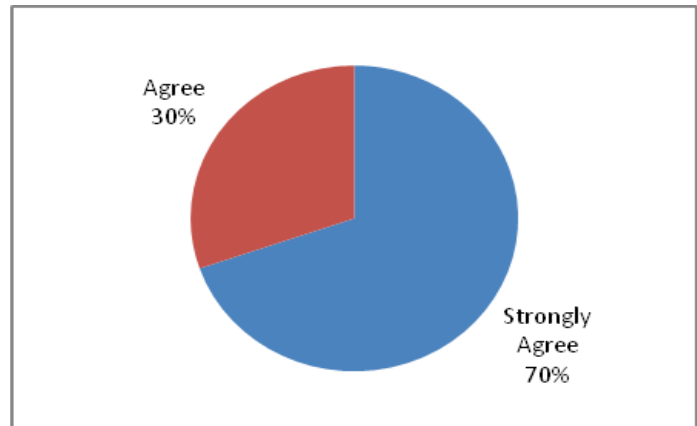
2. For the following questions participants selected from the following scale:.

Strongly Agree Agree Neutral Disagree Strongly Disagree

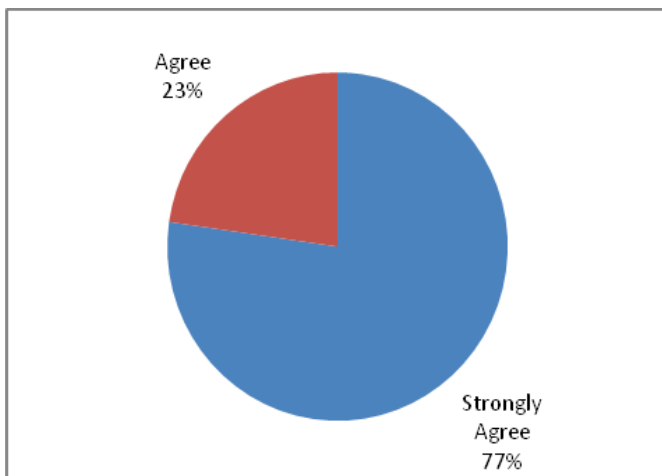
The pre-symposium materials adequately described the program.



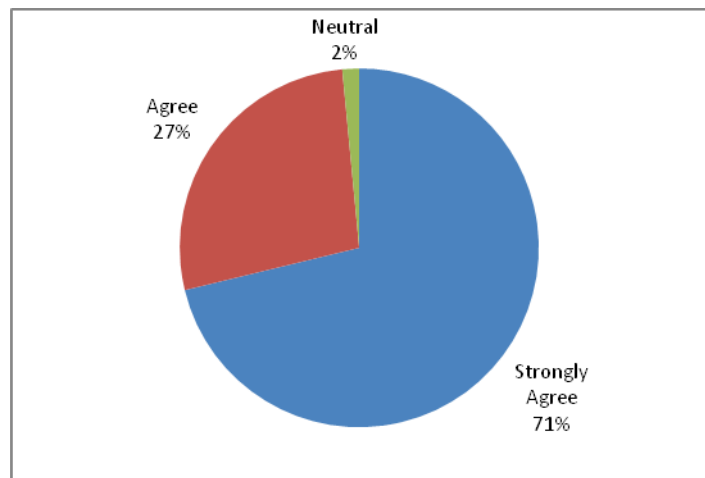
Program content was relevant.



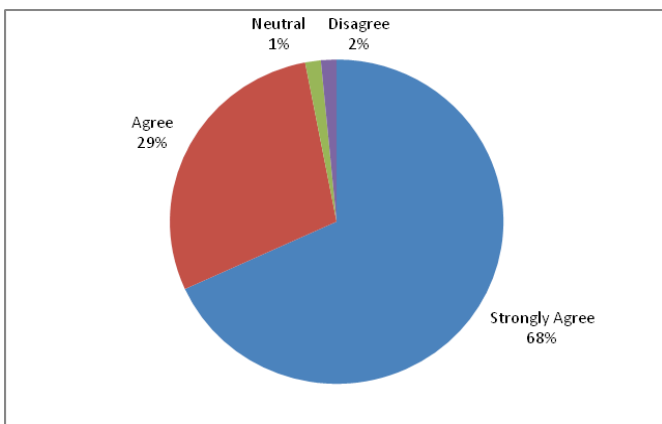
The program was well organized.



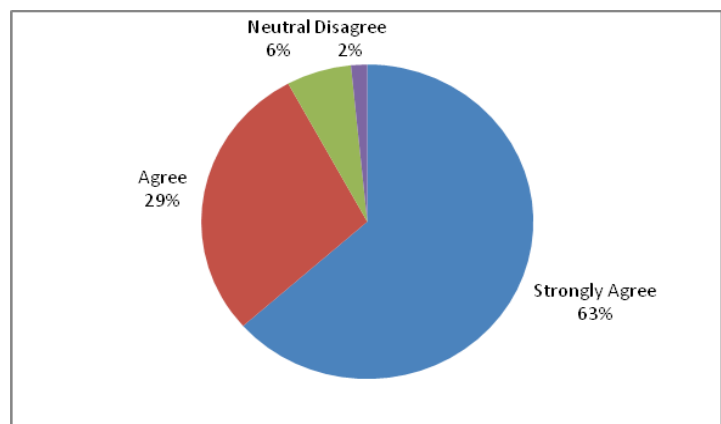
The two-day format was appropriate.



The location and facility were good.



The registration fee was reasonable.

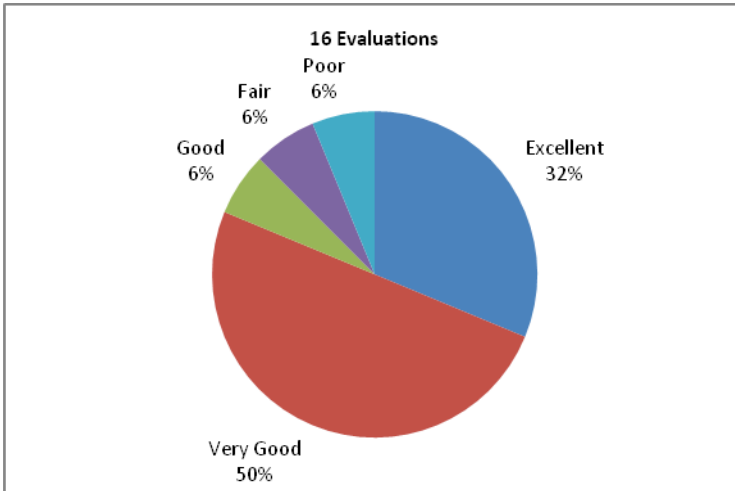


3. Please check and rate each session you attended. Participants selected from the following scale:

Excellent Very Good Good Fair Poor Very Poor

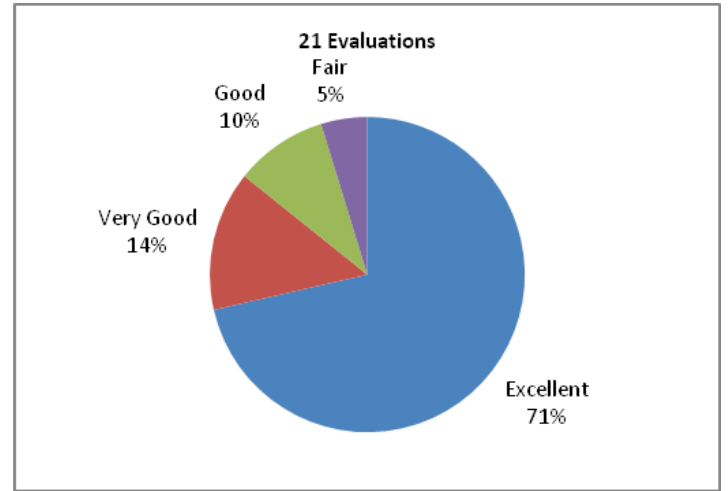
Workshop: Putting Maps on the Web

(Alisa Morrison)



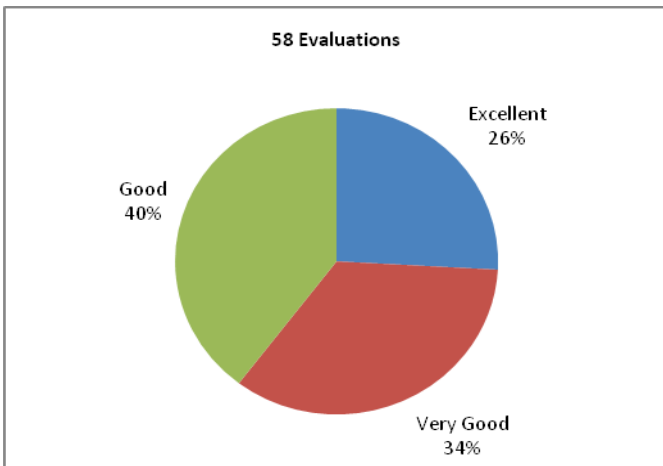
Workshop: How to Get the Results You Want

(Sabrina Kurtz-Rossi)



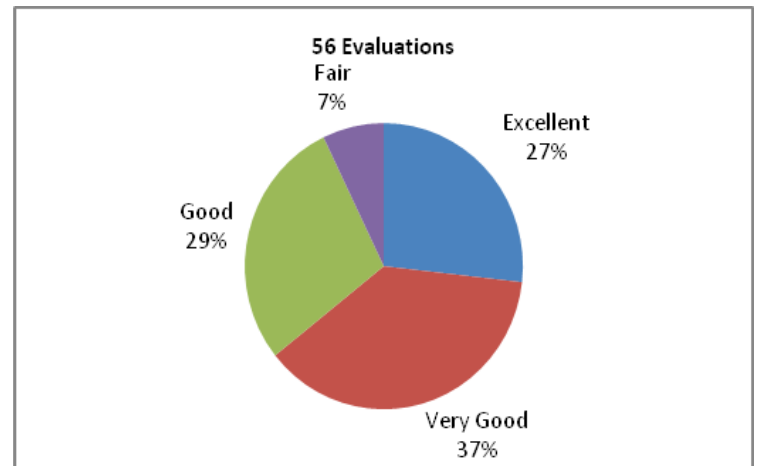
Opening Plenary

(Stewart Chute, Patrick Bowe, William Alley)

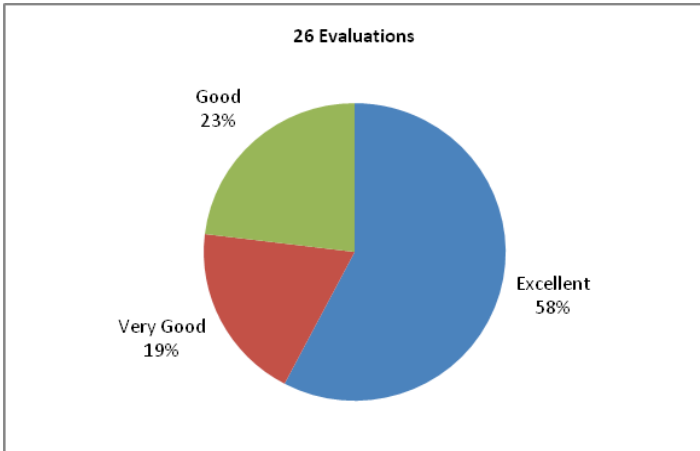


Plenary Session

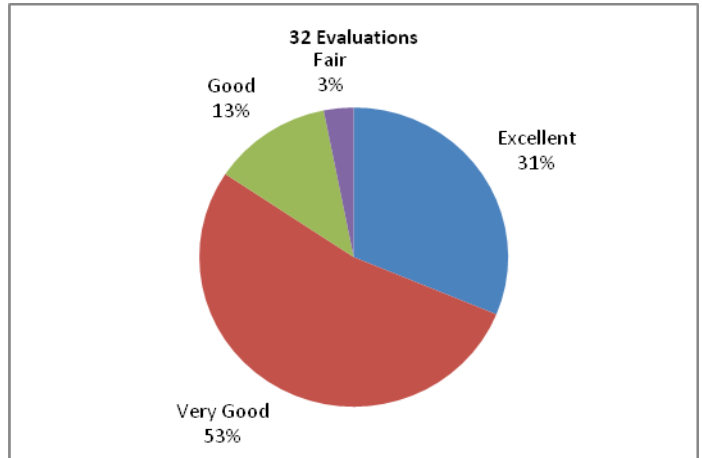
(Lorraine Backer)



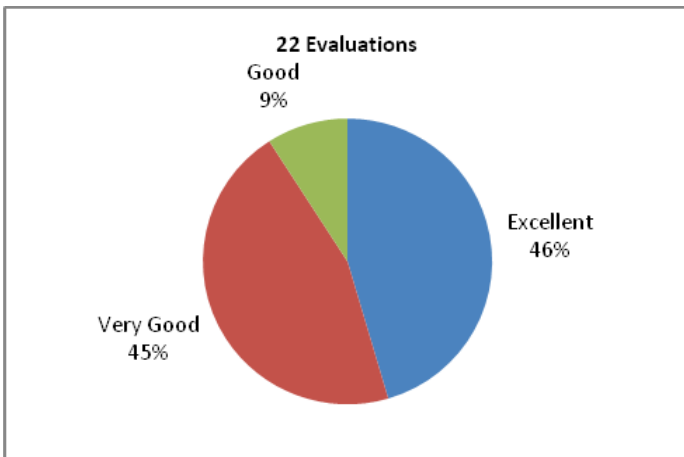
Session 1: Education and Risk Communication
(Laura Wilson, Erin Ling, Diane Boellstroff)



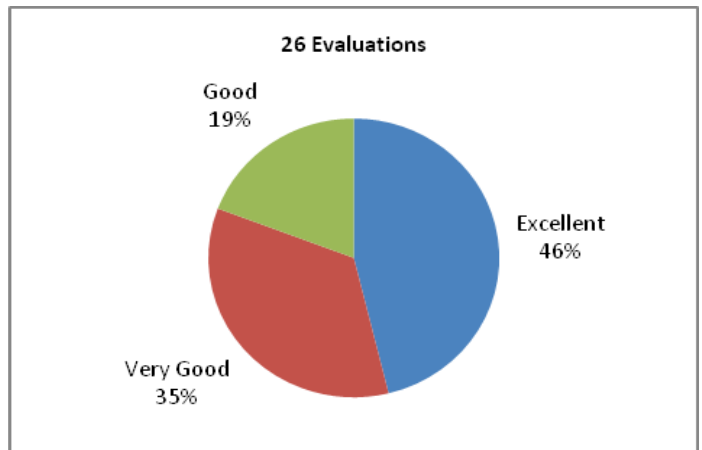
Session 2: Approaches to Managing and Sharing Private Well Testing Results
(Sharee Rusnak, Robert Marvinney, Clayton Commons)



Session 3: Hydrofracturing and Its Impact on Groundwater
(Jesse Richardson, Brian Oram, Andrew Stone)

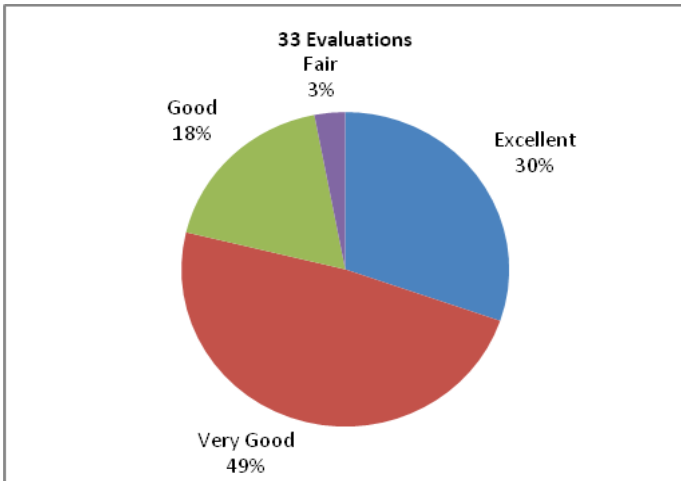


Session 4: Education and Risk Communication
(Teresa Thorton, John Peckenham, Jacqueline Daoust)



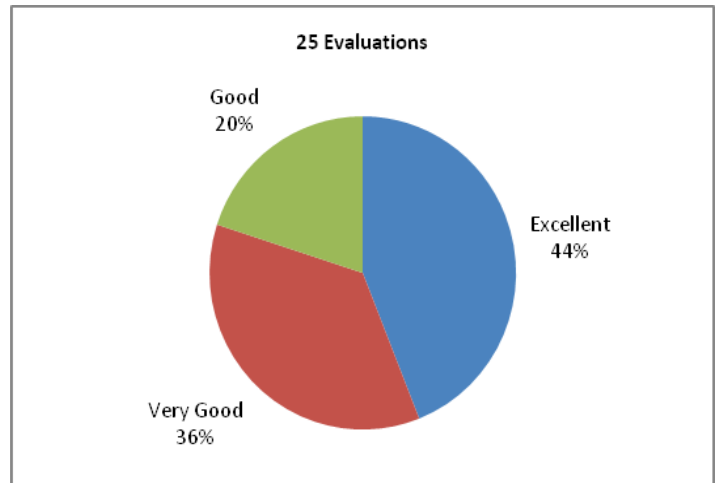
Session 5: Groundwater Quality Issues in the Region

(Thomas Atherholt, Sarah Flanagan, Zoltan Szabo)



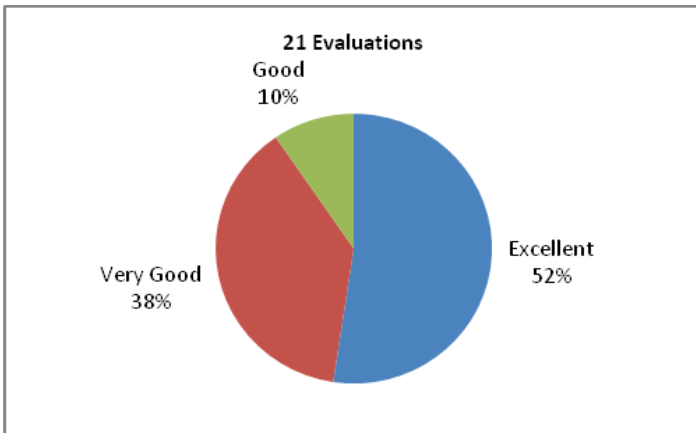
Session 6: Manganese in Groundwater

(Lisandro Suarez, Michael Hutcheson, Richard Behr)



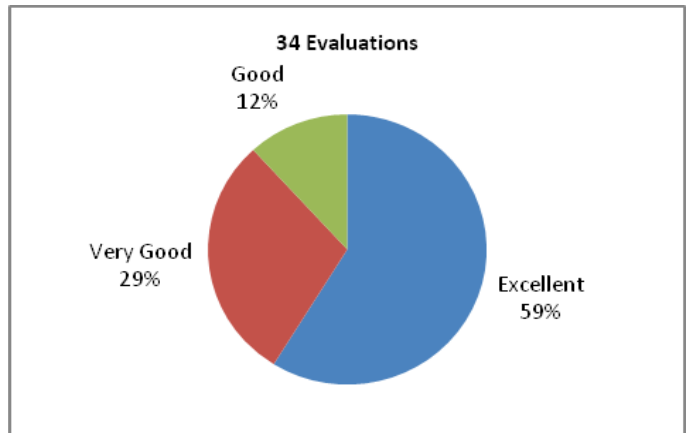
Session 7: Trends in Well Construction, Testing, and Treatment

(Steve Spayd, Brandon Kernen, Cliff Treyens)



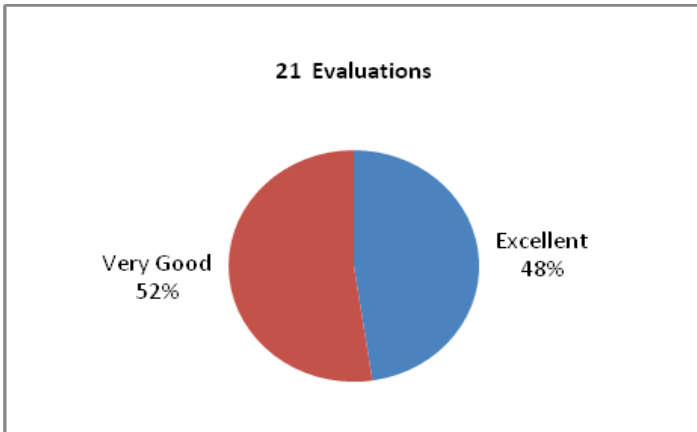
Session 8: Pharmaceutical Impact on Drinking Water

(Patrick Phillips, Andrews Tolman, Laurel Schaidler)



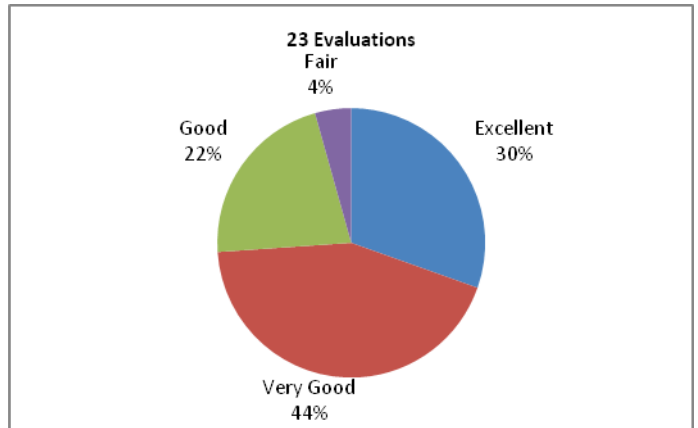
Session 9: Impact of Arsenic in Drinking Water Wells

(Joe Ayotte, Judith Louis, Gail Wasserman)



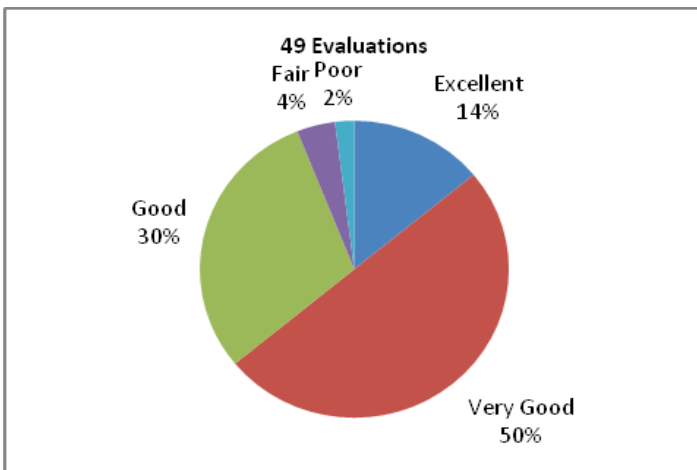
Session 10: Public Health Issues and Private Well Protection

(Clayton Commons, Stewart Chute, Bruce Douglas)



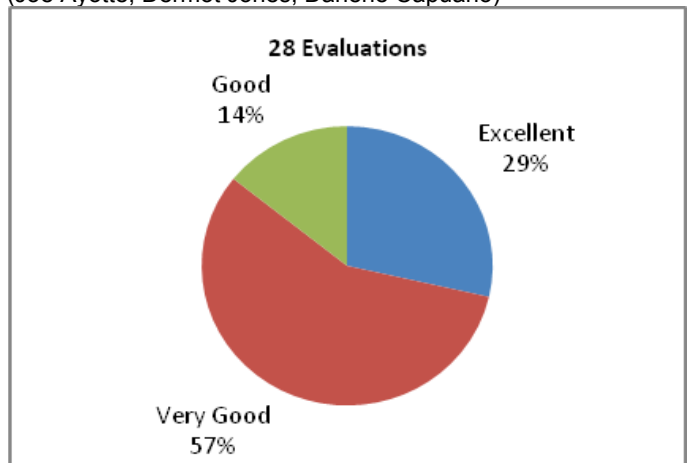
Tuesday Lunch Address

(Curt Spalding)



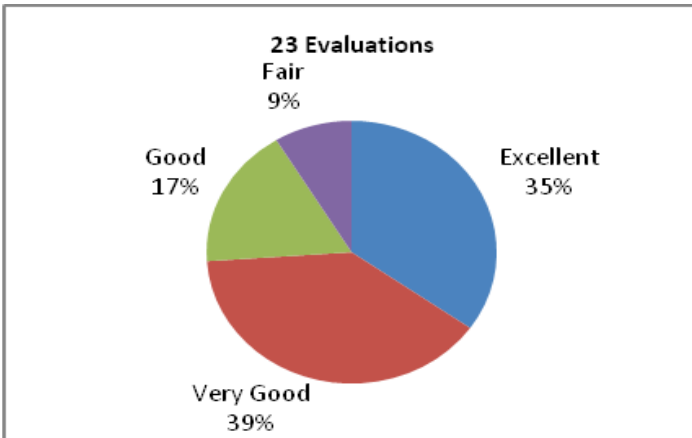
Session 11: Issues in Communicating Water Test Results to the Well Owner

(Joe Ayotte, Dermot Jones, Darlene Capuano)



Session 12: Impact of Arsenic in Drinking Water Wells

(Qiang Yang, Peter Ryan, Jonathan Kim)



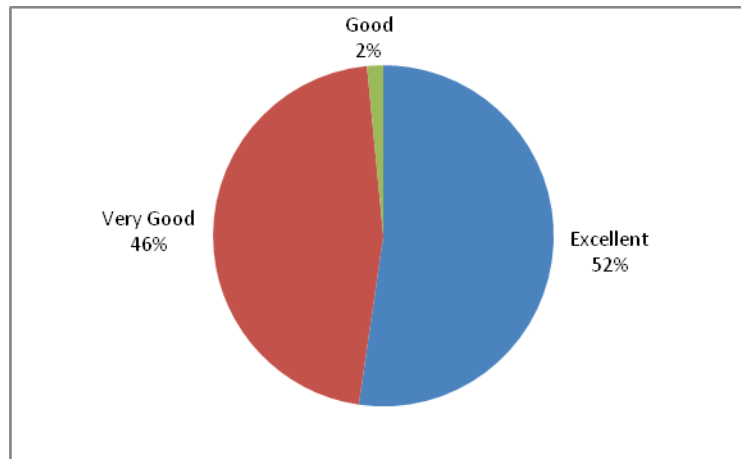
4. Additional comments:

We received many positive additional comments about individual sessions and speakers. Many of the comments focused on improving program logistics and presentation timing. These are topics that the planning committee can work on to improve future programs.

5. Which term best describes your overall experience with this symposium?

Participants selected from the following options:

Excellent Very Good Good Fair Poor Very Poor



6. What was the most important thing you gained from the symposium?

The most frequent responses to this question include:

- The opportunity to make new contacts and network and interact with other professionals.
- The opportunity to be exposed to up-to-date and relevant technical information on a variety of topics including water quality data, hydrofracking, pharmaceuticals, and communication and social marketing techniques.

7. Please use this space for additional comments and suggestions on any aspect of this event (content, format, facility, etc).

Common themes that participants mentioned here:

- Participants who received scholarships were very appreciative.
- Participants enjoyed the facility and the food.
- Too many concurrent sessions.
- Participants would like to have more exhibitors and posters, as well as increased time to spend with them.
- Participants appreciated the time built into the schedule for networking and breaks.
- There were many good suggestions concerning improving the general logistics of the event which the Planning Committee will review and consider.

Program Sponsors

Funding and support for this program provided by:

- ▲ The Northeast States and Caribbean Islands Regional Water Center
- ▲ USDA CSREES National Integrated Water Quality Program
- ▲ U.S. Environmental Protection Agency
- ▲ U.S. Geological Survey
- ▲ University of Maine Cooperative Extension
- ▲ University of Rhode Island, College of the Environment and Life Sciences
- ▲ USDA Healthy Homes Program
- ▲ Maine Department of Environmental Protection
- ▲ Connecticut Department of Public Health

Program Committee Members:

- Joe Ayotte, Hydrologist, U.S. Geological Survey
- Lorraine Backer, Environmental Epidemiologist, National Center for Environmental Health
- Richard S Behr, Certified Geologist, Maine Department of Environmental Protection
- Dr. Stewart Chute, State of Connecticut, Department of Public Health
- Eric Frohmberg, *Manager, Lead and Health Homes Program, Maine Center for Disease Control*
- Amy Galford, Extension Associate, College of Human Ecology, Cornell University
- Stephen Gould, U.S. EPA Region 2
- Kira Jacobs, Environmental Protection Specialist, U.S. EPA Region 1
- Ted Lavery, Environmental Protection Specialist, U.S. EPA Region 1
- Jessica Leahy, Ph.D., Assistant Professor, School of Forest Resources, University of Maine
- Ann Lemley, Professor and Chair, Department of Fiber Science & Apparel Design, Cornell University
- Judith B. Louis, Bureau Chief, New Jersey Department of Environmental Protection
- Alyson McCann, Water Quality Program Coordinator, University of Rhode Island Cooperative Extension
- Teresa E. Thornton, Graduate Assistant, University of Maine
- Laura Wilson, Assistant Scientist, University of Maine Cooperative Extension

Symposium Exhibitors:

Commercial:

- Absolute Resource Associates, Portsmouth, NH
- Radon Away, Ward Hill, Massachusetts
- Pharma-Cycle, Inc., Newport, RI

Educational:

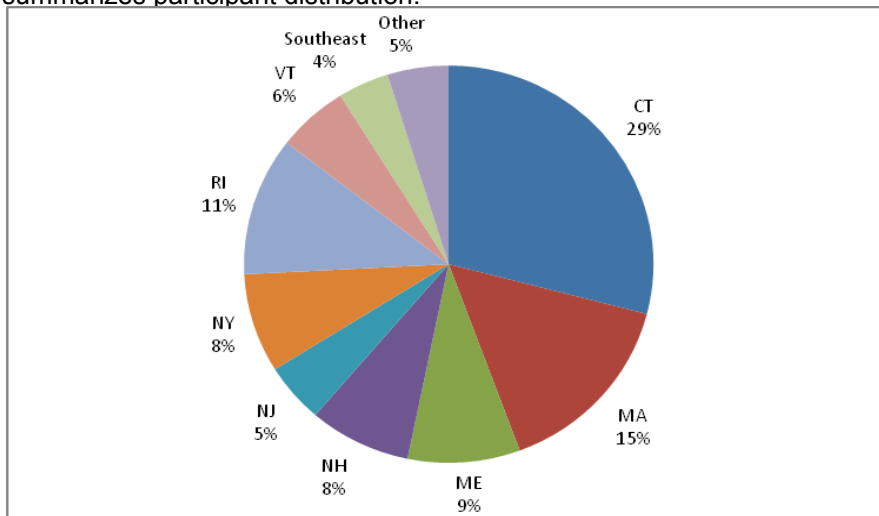
- U.S. Environmental Protection Agency, Region 1, Boston, Massachusetts
- Environmental & Occupational Health Programs, Maine CDC
- University of Maine Cooperative Extension, Orono, ME
- Maine Department of Environmental Protection, Augusta, ME
- National Ground Water Association, Westerville, OH
- Pomperaug River Watershed Coalition, Woodbury, CT

Scholarships

With a grant from USDA Healthy Homes Program and sponsorship funds, we were able to provide 33 scholarships to participants from throughout the region to attend the program and to help subsidize a reduced registration rate for undergraduate and graduate students.

Program Attendees

The following pie chart summarizes participant distribution.



*Other: California, Maryland, Ohio, Pennsylvania, Texas

Appendix A:

Attendee List for 2011 Northeast Private Well Water Symposium

November 14, 2011 Southbury, Connecticut

Participants: 124

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Pre-event Workshop: How to Get the Results You Want

The evaluation results serve as a needs assessment for future program planning, asking participants if this type of event should be held more regularly and what additional topics and items should be included in such an event.

Program Evaluation Summary

Attendees:

Number of evaluations returned: 23

Percent returned:

1. For the following questions, participants selected from the following scale:

Strongly Agree

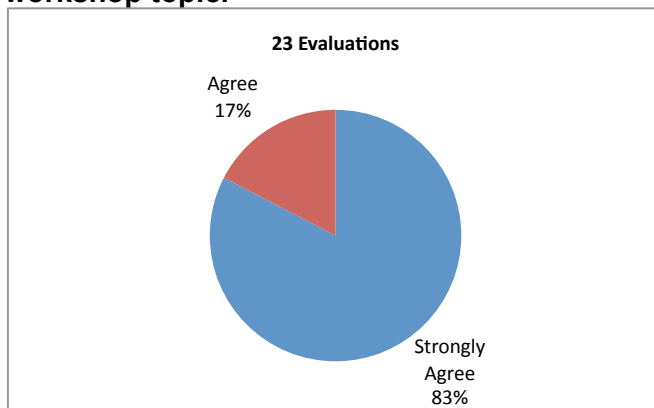
Agree

Neutral

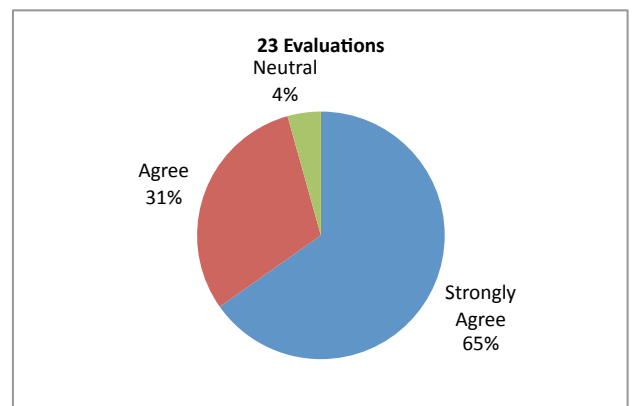
Disagree

Strongly Disagree

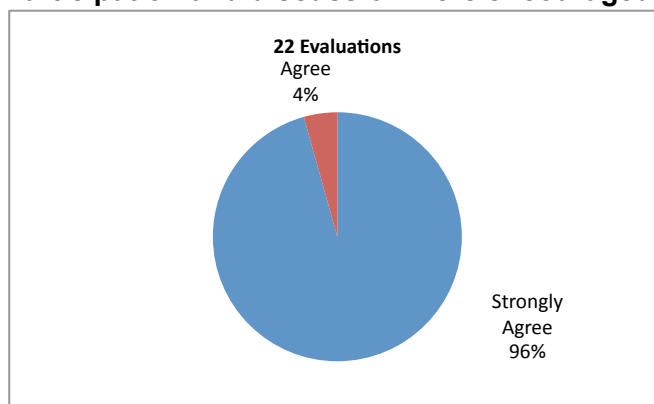
The instructor was knowledgeable about the workshop topic.



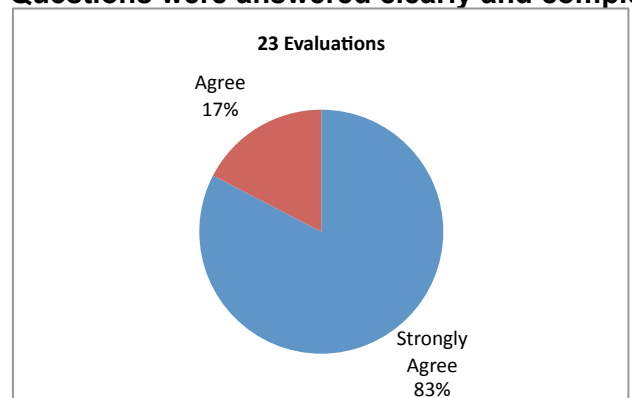
Presentations were clear and effective.



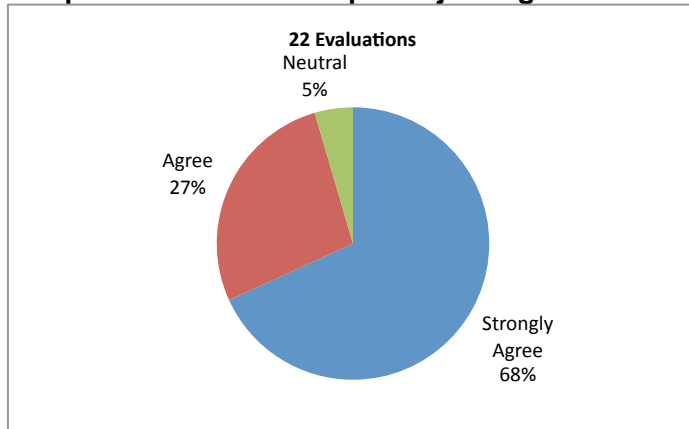
Participation and discussion were encouraged.



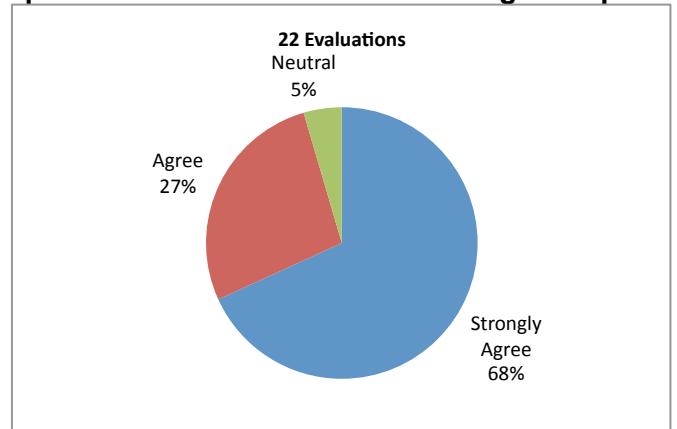
Questions were answered clearly and completely



The pace of the workshop was just right.



I plan to use the skills and knowledge I acquired i



2. On a scale of 1-10, would you recommend this workshop to others?

Average score: 9.4

3. Why did you choose that answer?

The most frequent responses to this question include:

- Contained useful information
- Topics were relevant to issues faced in the real world
- Good tools and recommendations for preparing material for the public

4. How much information covered in the workshop was new to you?

On average, 49% of the information was new to participants.

5. What do you consider to be the most useful topic in the workshop?

The most common responses to this question include:

- The examples presented
- Literacy levels and examples of pilot testing
- Use of concrete language and active voice
- References to other tools, books, and websites

6. What do you consider to be the least useful topic in the workshop?

The most common responses to this question include:

- Reading level evaluation
- Readability
- Sentence length, word length, and design

7. Is there a topic you would like to see added to the workshop?

Some examples of the kinds of topics participants would like to see added to the workshop include:

- More about tools related to developing environmental health materials
- More on focus groups, additional format options (e.g. meetings, town clerks, online media, etc)

- Negotiating between content experts and communications experts

8. How do you intend to use the material covered in the workshops?

The most common ways that participants plan to use the information from the workshops include:

- Simplification of existing materials
- To develop materials for the public, local health officials
- Incorporate into website development

9. Are there other workshop topics you would like to see offered at a future event?

Participants gave a range of alternative workshop topics of interest, including:

- Social media
- Working with and identifying community intermediates (e.g. healthcare providers, how to network there)
- Writing effective letters

Pre-event Workshop: Putting Maps on the Web

The evaluation results serve as a needs assessment for future program planning, asking participants if this type of event should be held more regularly and what additional topics and items should be included in such an event.

Program Evaluation Summary

Attendees:

Number of evaluations returned: 13

Percent returned:

1. For the following questions, participants selected from the following scale:

Strongly Agree

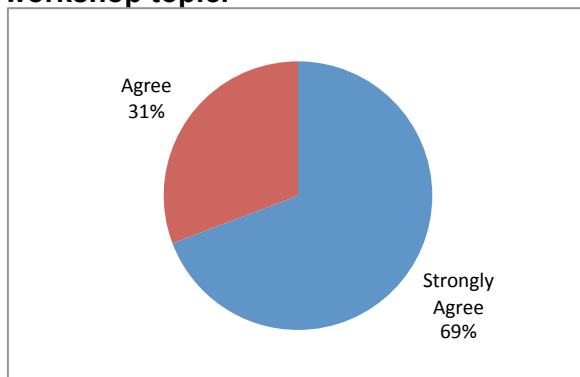
Agree

Neutral

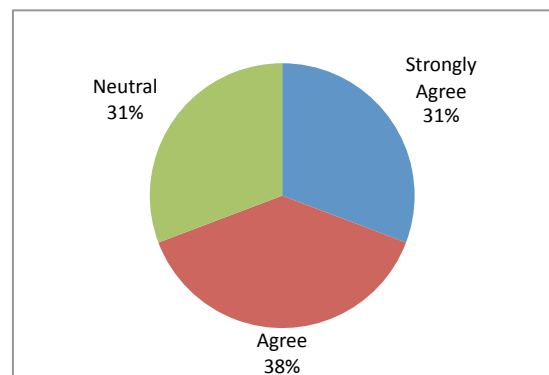
Disagree

Strongly Disagree

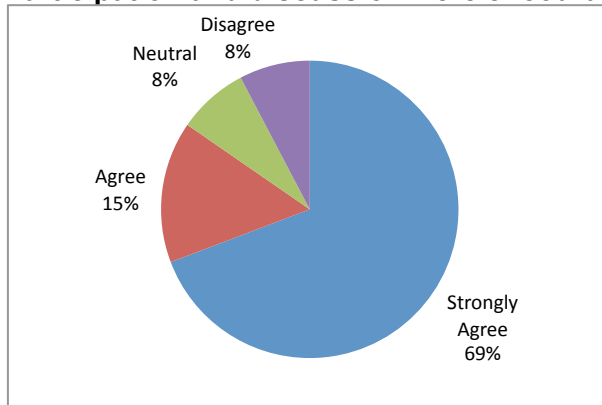
The instructor was knowledgeable about the workshop topic.



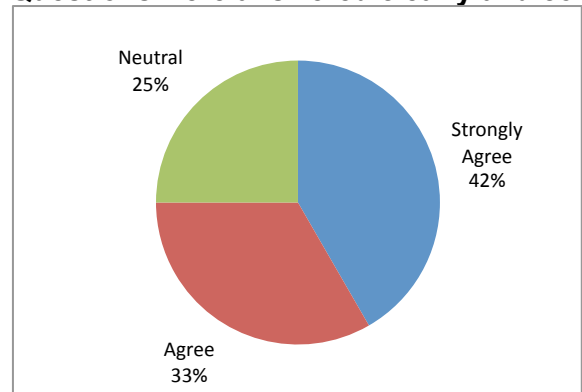
Presentations were clear and effective.



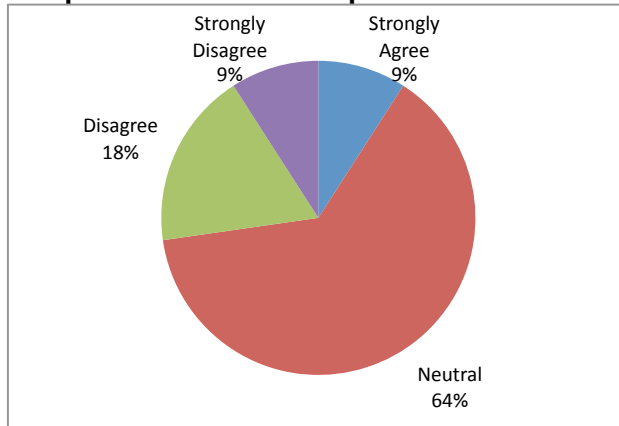
Participation and discussion were encouraged.



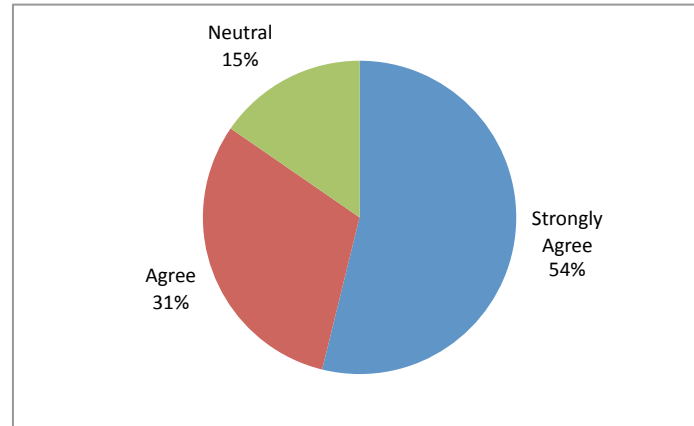
Questions were answered clearly and completely



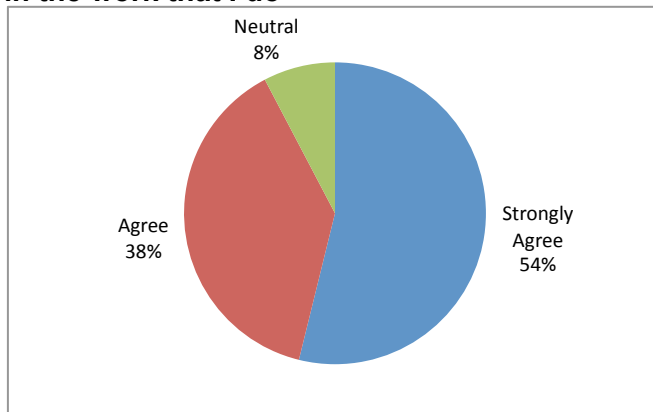
The pace of the workshop was too slow



I would recommend the instructor to others



I plan to use the skills and knowledge I acquired in the work that I do



2. On a scale of 1-10, would you recommend this workshop to others?

Average score: 7.9

3. Why did you choose that answer?

The most frequent responses to this question include:

- Good self guided exploration of materials using printed tutorial and interaction with instructor
- Possibly unnecessary for experts, but a good tool regardless
- Great introduction to what materials are available, but it was a short time period

4. How much of the information covered was new to you?

Participants found that approximately 75% of the material was new.

5. What do you consider to be the most important topic in the workshop?

The most common responses to this question include:

- Familiarity with the tools
- Tool use for storing water data online as well as use as a teaching tool
- Putting maps together

6. What do you consider to be the least important topic in the workshop?

Responses to this question included: the independent work at the computer and increased step-by-step instruction.

7. Is there a topic you would like to see added to the workshop or a workshop topic you would be interested in us offering at a future event?

The most common responses to this question include:

- General GIS introduction
- Importation of GIS data from other sources
- ArcGIS

8. Please tell us how you intend to use the material covered?

The most frequent responses to this question include:

- Will apply to data on water quality, putting water data online
- Making presentations
- Analyzing data & mapping wells and contaminant concentrations

Day 1: Monday, November 14, 2011	
8:30 – 11:30 AM	Exhibitor & Poster Set-Up and Registration (Lincoln & Grant Rooms)
8:30 – 11:30 AM	Pre-Event Workshop: Putting Maps on the Web: Introduction to Google Maps and Google Earth (Madison Room) Alisa Morrison , EPA Lab, Narragansett, RI & University of Rhode Island Dept. of Natural Resources Science
8:30 – 11:30 AM	Pre-Event Workshop: How to Get the Results You Want: Designing Well Water Materials Your Audience Will Understand (Congress Room) Sabrina Kurtz-Rossi , Principal, Kurtz-Rossi Associates
11:45 – 12:45 PM	Lunch (Garden Room)
1:00 – 3:15 PM	Plenary Session (Constitution Room)
1:15 – 1:20 PM 1:20 – 2:00 PM 2:00 – 3:15 PM	<p>Welcome Stewart Chute, Toxicologist, Connecticut Department of Public Health Patrick Bowe, Director, Remediation Division, Bureau of Water Protection & Land Use, CT Dept of Energy & Environmental Protection</p> <p>Keynote Speaker William M. Alley, Chief, Office of Groundwater, U.S. Geological Survey Headquarters, Water Resources Division Presentation Title: Groundwater Data and Assessment: A View from the Northeast and Afar</p> <p>Plenary Session Lorraine Backer, Environmental Epidemiologist, National Center for Environmental Health Presentation Title: Unregulated Drinking Water Initiative for Environmental Surveillance and Public Health</p>
3:15 – 3:30 PM	Break in the Exhibition and Poster Area (Lincoln Room)

Day 1: Monday, November 14, 2011 (continued)

3:30 – 5:00 PM	Concurrent Sessions (Various Rooms)		
	<p align="center">Concurrent Session 1</p> <p align="center"><i>Education and Risk Communication</i></p> <p align="center">Madison Room</p>	<p align="center">Concurrent Session 2</p> <p align="center"><i>Approaches to Managing and Sharing Private Well Testing Results</i></p> <p align="center">Congress Room</p>	<p align="center">Concurrent Session 3</p> <p align="center"><i>Hydrofracturing and Its Impact on Groundwater</i></p> <p align="center">Constitution Room</p>
3:30 PM	<p>Riding the Social Media Waves – Adventures with Wellwater Wednesdays</p> <p>Laura Wilson, <i>Assistant Scientist, Univ. of Maine Cooperative Extension</i></p>	<p>A Continuing Legacy of Chlordane and Dieldrin? – A Case Example of Pesticides in Well Water in North Stamford, Connecticut</p> <p>Sharee Rusnak, <i>Epidemiologist, CT DPH</i></p>	<p>Hydraulic Fracturing and Domestic Well Water</p> <p>Jesse Richardson, <i>Associate Professor, Water Systems Council</i></p>
4:00 PM	<p>What's in Your Water? The Virginia Master Well Owner Network and Household Water Quality Program</p> <p>Erin Ling, <i>Senior Extension Associate, Virginia Tech</i></p>	<p>Assessment of Fluoride, Manganese, Nitrate, Nitrite and Uranium in Domestic Well Water by Town in Maine, 2005 - 2009</p> <p>Robert Marvinney, <i>State Geologist & Director, Maine Geological Survey</i></p>	<p>Getting the Waters Tested – The Marcellus Shale Factor</p> <p>Brian Oram, <i>Professional Geologist, Wilkes University</i></p>
4:30PM	<p>A Texas Well Owner Network to Safeguard Private Well and Aquifer Integrity</p> <p>Diane Boellstroff, <i>Asst Professor & Extension Specialist, Texas AgriLife Extension Service</i></p>	<p>Rhode Island Private Well Viewer – Providing Recommendations Without Divulging Data</p> <p>Clayton Commons, <i>Environmental Scientist, Rhode Island Department of Health</i></p>	<p>Water Well Hydrofracture and Gas Well Hydraulic Fracture: NOT THE SAME THING!</p> <p>Andrew Stone, <i>Executive Director, American Ground Water Trust</i></p>
5:30 – 7:00 PM	Reception & Dinner (<i>Cash Bar Available</i>) - Garden Room		

Day 2: Tuesday, November 15, 2011

7:30 – 8:30 AM	Breakfast (Garden Room)		
8:30 – 10 AM	Concurrent Sessions (Various Rooms)		
	Concurrent Session 4 <i>Education and Risk Communication</i> Madison Room	Concurrent Session 5 <i>Groundwater Quality Issues in the Region</i> Congress Room	Concurrent Session 6 <i>Manganese in Groundwater</i> Constitution Room
8:30 AM	Evaluating a Community-Based Environmental Monitoring Research Project for Successful Private Well Education, Monitoring and Research Teresa Thorton , <i>Director of Environmental Studies, Oxbridge Academy of the Palm Beaches</i>	Coliform Bacteria Detections in Private Wells in New Jersey: Influence of Sample Number, Hydrogeology, Season, Laboratory and Method Thomas Atherholt , <i>Research Scientist, NJ Department of Environmental Protection</i>	Evaluation of Turbidity Acidification During Sampling and Analytical Preparation as the Cause of Observed Manganese Anomalies in Drinking Water Wells Lisandro Suarez , <i>Environmental Analyst, CT Department of Environmental Protection</i>
9:00 AM	Fluoride, Arsenic and Chloride in Private Wells in Eastern Maine John Peckenham , <i>Director, Maine Water Resources Research Institute</i>	Groundwater Quality of New England Crystalline Bedrock Aquifers Sarah Flanagan , <i>Hydrologist, USGS</i>	Guidance for Manganese for Public Water Supplies in Massachusetts – Evolving Perspectives Michael Hutcheson , <i>Head, Air and Water Toxics Section, MA Department of Environmental Protection</i>
9:30 AM	An Independent Voice Helps Solve Well Owner Issues Jacqueline Daoust , <i>Policy Analyst, American Groundwater Trust</i>	Radionuclides in Rock Aquifers of the Highlands and Piedmont Provinces, New Jersey: Geological Sources and Distribution in Groundwater Zoltan Szabo , <i>Research Hydrologist, USGS</i>	How Organic Carbon Leached to Groundwater Significantly Increases Manganese Concentrations Richard Behr , <i>C.G., Hydrogeology Specialist, Maine Department of Environmental Protection</i>
10:00 – 10:30 AM	Break (Lincoln Room)		

Day 2: Tuesday, November 15, 2011 (continued)

10:30 – Noon	Concurrent Sessions (Various Rooms)		
	<p align="center">Concurrent Session 7</p> <p align="center"><i>Trends in Well Construction, Testing & Treatment</i></p> <p align="center">Madison Room</p>	<p align="center">Concurrent Session 8</p> <p align="center"><i>Pharmaceuticals in the Environment & The Impact on Drinking Water</i></p> <p align="center">Congress Room</p>	<p align="center">Concurrent Session 9</p> <p align="center"><i>Impact of Arsenic in Drinking Water Wells</i></p> <p align="center">Constitution Room</p>
10:30 AM	<p>Multiple-Contaminant Private Well Water Treatment – Arsenic, Radionuclides and More</p> <p>Steve Spayd, <i>Research Scientist, NJDEP-NJGS</i></p>	<p>Pharmaceuticals and Personal Care Products in Groundwater in the U.S.</p> <p>Patrick Phillips, <i>Hydrologist, USGS</i></p>	<p>Temporal Variability of Arsenic in Private Drinking-Water Supply Wells</p> <p>Joe Ayotte, <i>Hydrologist, USGS</i></p>
11:00 AM	<p>Assessment of Water Levels in Bedrock Wells in New Hampshire</p> <p>Brandon Kernen, <i>Hydrogeologist, NH Department of Environmental Services</i></p>	<p>Understanding Septic Systems in Light of Pharmaceutical and Personal Care Products.</p> <p>Andrews Tolman, <i>Assistant Director, Maine CDC Drinking Water Program</i></p>	<p>Geospatial and Geologic Analysis of Private Well Testing Data for Arsenic as a Method for Informing the Public about Risk of Arsenic Contamination</p> <p>Judith Louis, <i>Bureau Chief, NJ DEP</i></p>
11:30 AM	<p>Private Household Water Wells: Protections to Reduce Risks to Water Supplies</p> <p>Cliff Treyens, <i>Public Awareness Director, National Ground Water Association</i></p>	<p>Organic Wastewater Compounds in Public and Private Drinking Water Wells Impacted by Septic Systems on Cape Cod, Massachusetts</p> <p>Laurel Schaider, <i>Research Scientist, Silent Spring Institute</i></p>	<p>A Study of Well Water Arsenic and Child Intelligence in Elementary School Children in ME and NH</p> <p>Gail Wasserman, <i>Professor of Clinical Psychology in Child Psychiatry, Columbia Univ.</i></p>
12:00 – 1:00 PM	Lunch (Garden Room)		
1:00 – 1:45 PM	<p>Invited Speaker (Garden Room)</p> <p>Curt Spalding, Regional Administrator, US Environmental Protection Agency, Region 1</p> <p>Presentation Title: Climate Change and Its Impact on Water Quality</p>		

Day 2: Tuesday, November 15, 2011 (continued)

1:45 – 3:15 PM	Concurrent Sessions (Various Rooms)		
	<p align="center">Concurrent Session 10</p> <p align="center"><i>Public Health Issues & Private Well Water Protection</i></p> <p align="center">Madison Room</p>	<p align="center">Concurrent Session 11</p> <p align="center"><i>Issues in Communicating Water Test Results to the Well Owner</i></p> <p align="center">Congress Room</p>	<p align="center">Concurrent Session 12</p> <p align="center"><i>Impact of Arsenic in Drinking Water Wells</i></p> <p align="center">Constitution Room</p>
1:45 PM	<p>Lead in Drinking Water</p> <p>Clayton Commons, <i>Environmental Scientist, RI Department of Health</i></p>	<p>Fabricating Data: How Mishandling Non-Detects Misrepresents Your Results</p> <p>Joe Ayotte, <i>Hydrologist, USGS</i></p>	<p>Arsenic Contamination in Bedrock Aquifers in Central Maine</p> <p>Qiang Yang, <i>Postdoctoral Research Scientist, LDEO, Columbia University</i></p>
2:15 PM	<p>The Number of Connecticut Private Wells On or Near Contaminated Properties</p> <p>Stewart Chute, <i>Toxicologist, CT DPH</i></p>	<p>Discrepancies Between Analytical Reporting Criteria and Recent Analytical Results Reported for Pesticides Contamination of Wells in North Stamford</p> <p>Dermot Jones, <i>Environmental Laboratory Consultant/Certification Officer, CT DPH</i></p>	<p>Ultramafic Rock as Source of Elevated Arsenic in a Fractured Bedrock Aquifer System, Northern Vermont</p> <p>Peter Ryan, <i>Professor, Middlebury College</i></p>
2:45 PM	<p>Vermont's Experience with Private Water Supply Well Isolation Areas – Going Beyond the Minimum Radius Approach</p> <p>Bruce Douglas, <i>VP, Stone Environmental, Inc.</i></p>	<p>Communicating Water Test Results to the Well Owner – A Laboratory's Point of View</p> <p>Darlene Capuano, <i>Director, BAL Laboratory, Microbiological Division, Thielsch Engineering</i></p>	<p>Deciphering Elevated Arsenic Levels in Groundwater Wells from Southwestern Vermont: A Review</p> <p>Jonathan Kim, <i>Geologist, Vermont Geological Survey</i></p>
3:15– 3:30 PM	Wrap up / Break / Good-bye (Constitution Room)		