



**CSREES**  
**Pacific Northwest**  
**Regional Water Quality Program**

**Water Quality And Volunteer Monitoring Programs Workshop**

July 14 & 15, 2003

Central Idaho 4-H Camp, Sawtooth National Recreation Area, Idaho

**Monday, July 14**

<b>9:00 – 9:30</b>	<b>Introductions and Participant Needs Assessment – Bob Mahler</b>
<b>9:30 - 10:10</b>	<b>Importance of Big Picture – Bob Simmons</b> <ul style="list-style-type: none"> <li>- Looking at the whole watershed - Identifying potential water quality and habitat impacts in a watershed</li> <li>- Understanding water, watersheds and beneficial uses</li> <li>- Reasons for monitoring</li> <li>- Determining questions to be answered</li> </ul>
<b>10:10 - 10:20</b>	<b>Break</b>
<b>10:20 - 11:00</b>	<b>What it all Means – Bob Mahler</b> <ul style="list-style-type: none"> <li>- Overview of what parameters are typically monitored and how they help to assess specific impacts</li> <li>- What the numbers mean</li> <li>- Uses of monitoring information</li> </ul>
<b>11:00 – 12:00</b>	<b>Field Experience 1</b> <b>Group A:</b> Stream flow/Habitat assessment/Temperature- Ron Miner and Mike Cochrane <b>Group B:</b> Solids/Turbidity/D.O./pH/Alkalinity/Coliforms – Elizabeth Herron and Bob Simmons <b>Group C:</b> Aquatic Macroinvertebrates – Kris Stepenuck and Ed Jolly
<b>12:00 – 1:00</b>	<b>Lunch</b>
<b>1:00 – 2:00</b>	<b>Getting and Using the Information - Kris Stepenuck</b> <ul style="list-style-type: none"> <li>- Selecting testing methods based on information uses</li> <li>- Quality assurance/quality control considerations</li> <li>- Data storage, interpretation, presentation</li> <li>- Empowering citizens with data</li> </ul>
<b>2:00 - 2:40</b>	<b>Overall Program Management Considerations –Elizabeth Herron</b>
<b>2:40 – 3:00</b>	<b>Break</b>
<b>3:00 – 4:00</b>	<b>Field Experience 2 – (3 Parameters)</b> <b>Group A:</b> Solids/Turbidity/D.O./pH/Alkalinity/Coliforms <b>Group B:</b> Aquatic Macroinvertebrates <b>Group C:</b> Stream flow/Habitat Assessment/Temperature

## Tuesday, July 15

<b>9:00-9:40</b>	<b>Volunteer Management-Elizabeth Herron</b> <ul style="list-style-type: none"> <li>- Training formats</li> <li>- Recruiting, retention and recognition</li> <li>- Volunteer roles and potential responsibilities</li> </ul>
<b>9:40 – 10:25</b>	<b>Case Study 1 –Marilyn Freeman</b>
<b>10:25 – 10:35</b>	<b>Break</b>
<b>10:35 – 11:20</b>	<b>Case Study 2 –Marilyn Freeman</b>
<b>11:20 – 12:30</b>	<b>Field Experience 3 – Lake Monitoring</b> <b>Group 1</b> (30 min.): Aquatic plants and algae; Clarity – Bob Mahler and Elizabeth Herron <b>Group 2</b> (30 min.): Lake basin configuration; Nitrogen and Phosphorus – Bob Simmons and Kris Stepenuck
<b>12:30 – 1:00</b>	<b>Lunch in the field</b>
<b>1:00 -1:30</b>	<b>Funding Options for Local Programs –Elizabeth Herron</b>
<b>1:30 – 2:00</b>	<b>Resources Available for Monitoring Programs – Kris Stepenuck</b> References, newsletters, equipment sources, CSREES Volunteer Monitoring Program, organizations, etc.
<b>2:00 – 2:30</b>	<b>Break, Resource Material Sharing</b>
<b>2:30 – 3:30</b>	<b>Field Experience 4</b> <b>Group A:</b> Aquatic Macroinvertebrates – Kris Stepenuck and Ed Jolly <b>Group B:</b> Stream flow/Habitat assessment/Temperature- Ron Miner and Mike Cochrane <b>Group C:</b> Solids/ Turbidity/ D.O./ pH/ Alkalinity/ Coliforms – Elizabeth Herron and Bob Simmons
<b>3:30 – 4:00</b>	<b>Wrap-up and Evaluation</b>

