



The Boise WaterShed

Opportunities & Partnerships

The Boise WaterShed

Presenters

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Works**

**Donna-Marie Hayes, Boise WaterShed
Exhibits, Inc.**

The Boise WaterShed

- **History of Water Education in Boise**
- **Current Programs**
- **Boise WaterShed**
- **WaterShed Partnerships**
- **Facility and Exhibit Designs**

The Boise WaterShed

- **In the Beginning...**
 - **Water education was limited**
 - **Environmental laws first, education second**
 - **The local school district was not interested in partnerships**
 - **“You cannot learn if it is entertaining”**
 - **The public was interested and eager**

The Boise WaterShed

- **Perseverance**
- **Hard Work**
- **Creativity**
- **Outstanding team members**

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- **Multi-faceted education program**
 - **Classroom Presentations**
 - **Tours and Field Trips**
 - **Festivals**
 - **Television partnerships**
 - **Summer camps**
 - **Displays**
 - **Events**

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Are you ready to be a GROUND WATER SLEUTH?

A few people living in the area have developed very strange symptoms. They have puckered lips and in severe cases, very sour and cranky dispositions. Health officials believe the problem is linked to the drinking water which comes from ground water. Historical files indicate that the ACME Lemonade Company abandoned a tank of unsweetened lemonade in the area about ten years ago. The officials believe the tank has leaked into the ground water, which causes it to become very acidic. The company is no longer in the area and all buildings and landmarks have been removed, so locating the tank will be difficult.

Can you find the source of the contamination and save this town from perpetual crankiness?

City officials only have \$61,200 for the investigation. This funding will allow you to drill 6 monitoring wells (\$60,000) and analyze 6 water samples (\$1,200).

PROCEDURE

- Drill a "well" in the most likely location of the contaminant plume. Push the straw (drill) into the sand, put your finger over the end, and withdraw the straw.
- Pull the sample from the well and analyze a small quantity on the pH test paper.
- Draw a map that shows the location of each well and record the sample results, as you drill and analyze the sample.
- Clean the drill in the glass of water and proceed to drill and analyze water for five more wells.
- Mark your map with an "X" where you think the contamination is located.
- If you have located the site, check the answer map.
- If your answer is wrong OR you do not know enough yet, what do you do next?

The display board also features a diagram of a cross-section of the ground showing a lemonade tank, a magnifying glass icon, and a small map. On the table in front of the board are a red cup, a green mug, a tray of sand, and other supplies.

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- **Educational Goals**
 - **Where Technology meets Education**
 - **Interactive & hands-on**
 - **Humor to engage**
 - **Science to inspire**
 - **Visuals that personalize the experience**
 - **Natural processes**
 - **Stewardship**

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- **West Boise Wastewater Treatment Facility**
- **Adjacent to the Boise River**
- **\$2 million**
- **\$220,000 in public art funds**

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- **6,500 square feet**
- **65 foot tall observation tower**
- **40 seat theater/training space**
- **Library and resource area**
- **LEED designed**
- **Interpretive Water Feature**

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- **Opening in mid-2008**
- **15,000 visitors**
- **4th – 6th Grade focus**
- **Available for training and adult groups**

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