

About DEQ

The Idaho Department of Environmental Quality (DEQ) is the state government agency charged with protecting human health and preserving the quality of Idaho's air, land, and water.

DEQ manages a broad range of activities including education, outreach, and technical assistance to businesses, local government agencies, classrooms, and interested citizens.

About DEQ's Ground Water Program

DEQ's Water Quality Division is responsible for ensuring that the state's surface, ground, and drinking water resources meet state water quality standards.

The Ground Water Program, one of several programs within the Water Quality Division, is responsible for protecting the quality of ground water in Idaho and relies on a combination of programs to protect, monitor, and clean up ground water from pollution. Education and outreach is one method DEQ uses to protect ground water.

For More Information on Ground Water

Visit DEQ's website at www.deq.idaho.gov/ground-water or contact one of the following offices:

Department of Environmental Quality

State Office Water Quality Division

1410 N. Hilton
Boise, ID 83706
(208) 373-0502

Regional Offices

Boise

1445 N. Orchard
Boise, ID 83706
(208) 373-0550
toll-free: (888) 800-3480

Lewiston

1118 F Street
Lewiston, ID 83501
(208) 799-4370
toll-free: (877) 541-3304

Coeur d'Alene

2110 Ironwood Parkway
Coeur d'Alene, ID 83814
(208) 769-1422
toll-free: (877) 370-0017

Pocatello

444 Hospital Way #300
Pocatello, ID 83201
(208) 236-6160
toll-free: (888) 655-6160

Idaho Falls

900 N. Skyline, Suite B
Idaho Falls, ID 83402
(208) 528-2650
toll-free: (800) 232-4635

Twin Falls

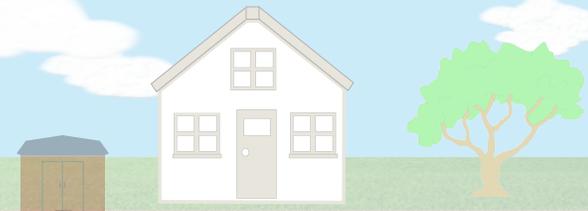
650 Addison Ave. W,
Suite 110
Twin Falls, ID 83301
(208) 736-2190
toll-free: (800) 270-1663

DEQ's Mission

To protect human health and preserve the quality of Idaho's air, land, and water for use and enjoyment today and in the future.



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LET'S TALK GROUND WATER

Education and Outreach
Opportunities from DEQ



Idaho Department of
Environmental Quality
www.deq.idaho.gov



Who Can Request Ground Water Outreach Assistance from DEQ?

DEQ staff are available to present ground water related information upon request, as schedules permit. Teachers, local government officials, and group leaders (of clubs, service groups, or associations) are all encouraged to request outreach assistance from the DEQ Ground Water Program.

DEQ Ground Water Lesson Plans for Teachers & Students

Water quality lesson plans are available on DEQ's website at www.deq.idaho.gov/teacher-resources.

Pollution and Healthy Environment: Like Oil and Water (Lesson Plan: 4th–8th grades)
Students pollute water to learn how pollutants mix with water in the environment.

The Rain Takes Pollution Mainly Down the Drain (Lesson Plan: 4th–7th grades)
Students build stormwater “mazes” and observe how stormwater transports pollution from our streets to ground water and surface water.

Project WET (Various Lesson Plans: K–12)
Students receive water education through various water-related activities.



DEQ Water Quality Outreach Activities — Ground Water Flow Model & Incredible, Edible Aquifer

The Ground Water Flow Model

Focus/Objective: A ground water flow model is used to illustrate the movement of ground water, types of aquifers, how pollution can get into ground water and drinking water wells, and the need to protect and conserve ground water resources. Students will come to understand how our actions can affect ground water and drinking water.



Ground Water Flow Model

Target Audience: Age 10 and up.

Time Required: 30 minutes (can be longer depending on the number of participants, additional lecture/discussion, or the use of additional activities such as Project WET or Incredible, Edible Aquifer).

Supplies Needed: Use of the model requires access to water and electricity. No additional supplies are needed for this activity.

The Incredible, Edible Aquifer

Focus/Objective: Students will learn about the water cycle and ground water while building their own **edible aquifer!** Topics include the geologic formation of an aquifer, types of aquifers, how aquifers can become contaminated, and the need to protect and conserve ground water resources.

Target Audience: Grades 4–8* (but can be adapted to other audiences).

Time Required: 45 minutes (can be longer depending on the number of participants and additional lecture or discussion).

*Meets several Idaho Standards for these grade levels.



Supplies Needed: Visit DEQ's website at www.deq.idaho.gov/teacher-resources and click on Incredible, Edible Aquifer for a list of supplies.

