

SCIENCE FAIR COORDINATORS: Please announce and post.



Considering a Science Fair Project!!

Are you interested in learning about
**Drinking Water/Groundwater Quality
and Protection?**

If you are, then this could be you

47th STATE SCIENCE FAIR AWARDS FOR GROUNDWATER/DRINKING WATER

As part of our effort to promote groundwater and drinking water in the Hawaii Education System, the Department of Health, Safe Drinking Water Branch participated in the 2004 Hawaii State Science Fair. One of the key elements to a successful groundwater and drinking water program is the education and awareness of the public. One of the best ways to educate the public is by educating students about our water resources. By funding activities such as providing awards to the State Science Fair, we hope to further student interest in science and the utilization and protection of our water resources.

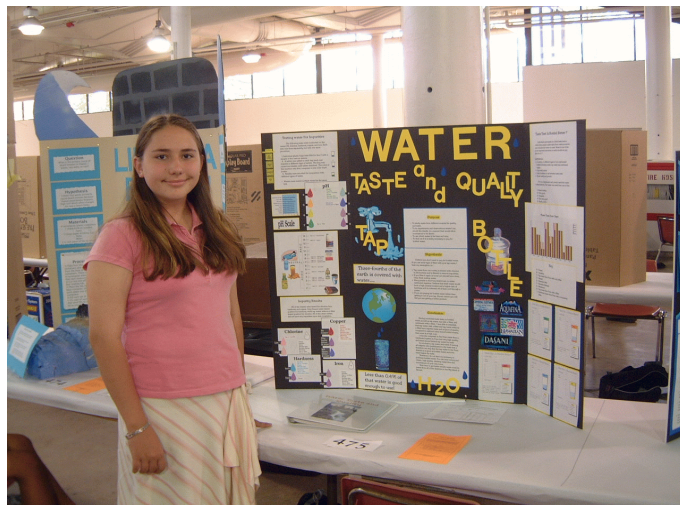
In the first of what we hope to be an annual event, Safe Drinking Water Branch judges selected to following winning projects:

Elyssa Correia
St. Joseph Jr. and Sr. High School
“Water Taste and Quality”

Tested tap and bottled water for various parameters that may affect the taste of water. Conducted blind taste test of tap and bottled water.

Selected for: Outstanding Individual Junior Research Project in any subject category related to groundwater and drinking water.

Received Certificate of Achievement, \$100 Savings Bond, Drinking Water Program T-shirt, and possible presentation at local water conference.

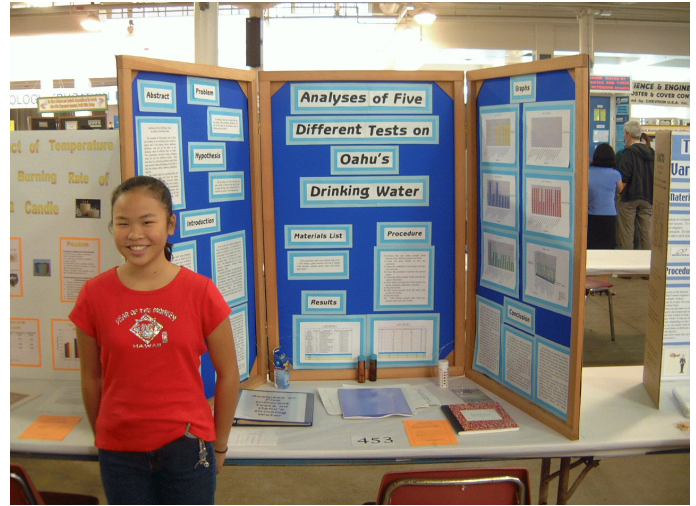


Celine Taira
Highlands Intermediate School
“Analyses of Five Different Test on Oahu’s Drinking Water”

Utilizing test strips (for testing aquarium water), measured drinking water from various locations on Oahu for pH, nitrates, nitrites, hardness, and alkalinity.

Selected for: Outstanding Individual Junior Research Project in any subject category related to groundwater and drinking water.

Received Certificate of Achievement, \$100 Savings Bond, Drinking Water Program T-shirt, and possible presentation at local water conference.



Mirabel Koike
Iolani School
“Binchotan - A Unique Charcoal”

Tested Binchotan Charcoal for its ability to remove chlorine and color from water.

Selected for: Outstanding Individual Junior Research Project in any subject category related to groundwater and drinking water.

Received Certificate of Achievement, \$100 Savings Bond, Drinking Water Program T-shirt, and possible presentation at local water conference.

POTENTIAL STATE SCIENCE FAIR PROJECTS INVOLVING DRINKING WATER/GROUNDWATER

Water Quality

Water Taste and Quality (2005 winner)

Analyses of Five Different Test on Our Drinking Water (2004 winner)

Investigating Hawaii’s Drinking Water/Groundwater Quality

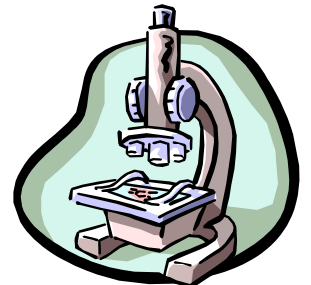
Private Well Water Quality

Chlorine Levels in Drinking Water

The Amount of Dissolved Salt in Drinking Water

Bacteriological Examination of Water?

Chemical Composition of School Water: Is The Drinking Water up to EPA Standards



Pollution Treatment

Plants: A productive Alternative for Removing Contaminants from Contaminated Soils.

Pristine Water and the American Lawn: Can They Co-exist?

Water Treatment

Binchotan - A Unique Charcoal (2004 winner)

Nitrate Removal from Drinking Water

The Use of Biofiltration for the Decontamination of Water

Non-Chemical Water Disinfection

What is the Best Way to Purify Water? Water Purification

Producing Drinking Water from Final Effluent for Tomorrow's Needs

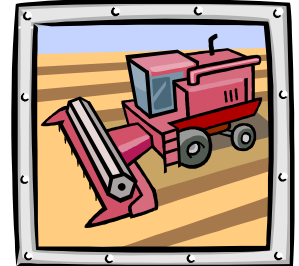


Hydrology/Geology

Water Retention of Different Soils: Do Different Types of Soil Hold

Different Amounts of Water?

What Type of Soil Filters Water Best?



Water Conservation

Irrigation Scheduling: Efficiency in Water Use

Which Mulch is Best for Conserving Water While Growing Plants?

What is the Best Irrigation System?



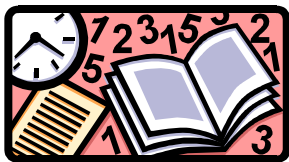
Others

Creating a Computer Program to Teach Water Education

Is Recycled Water Really Safe?

This is just a fraction of the many drinking water/groundwater topics and ideas that may be explored. Other topics, issues, and projects exist and can be found in the many sources of information that is available to you.

SOME SOURCES OF INFORMATION ON SCIENCE FAIR PROJECTS INVOLVING GROUNDWATER and DRINKING WATER



The following sources of information may provide you with ideas for developing your science fair projects.

U.S. Environmental Protection Agency website: www.epa.gov/kids, www.epa.gov/students, and www.epa.gov/highschool/water.htm

U.S. Geological Survey website: www.usgs.gov/education

Hawaii Academy of Science website: www.hawaii.edu/acadsci/hssef/hssef.html
www.hawaii.edu/acadsci/hssef/resource.htm

GOOD LUCK and WE'LL SEE YOU AT THE 2005 (48th) HAWAII STATE SCIENCE FAIR!

**2005 STATE SCIENCE FAIR AWARDS FOR GROUNDWATER/DRINKING WATER
TO BE AWARDED BY THE SAFE DRINKING WATER BRANCH**

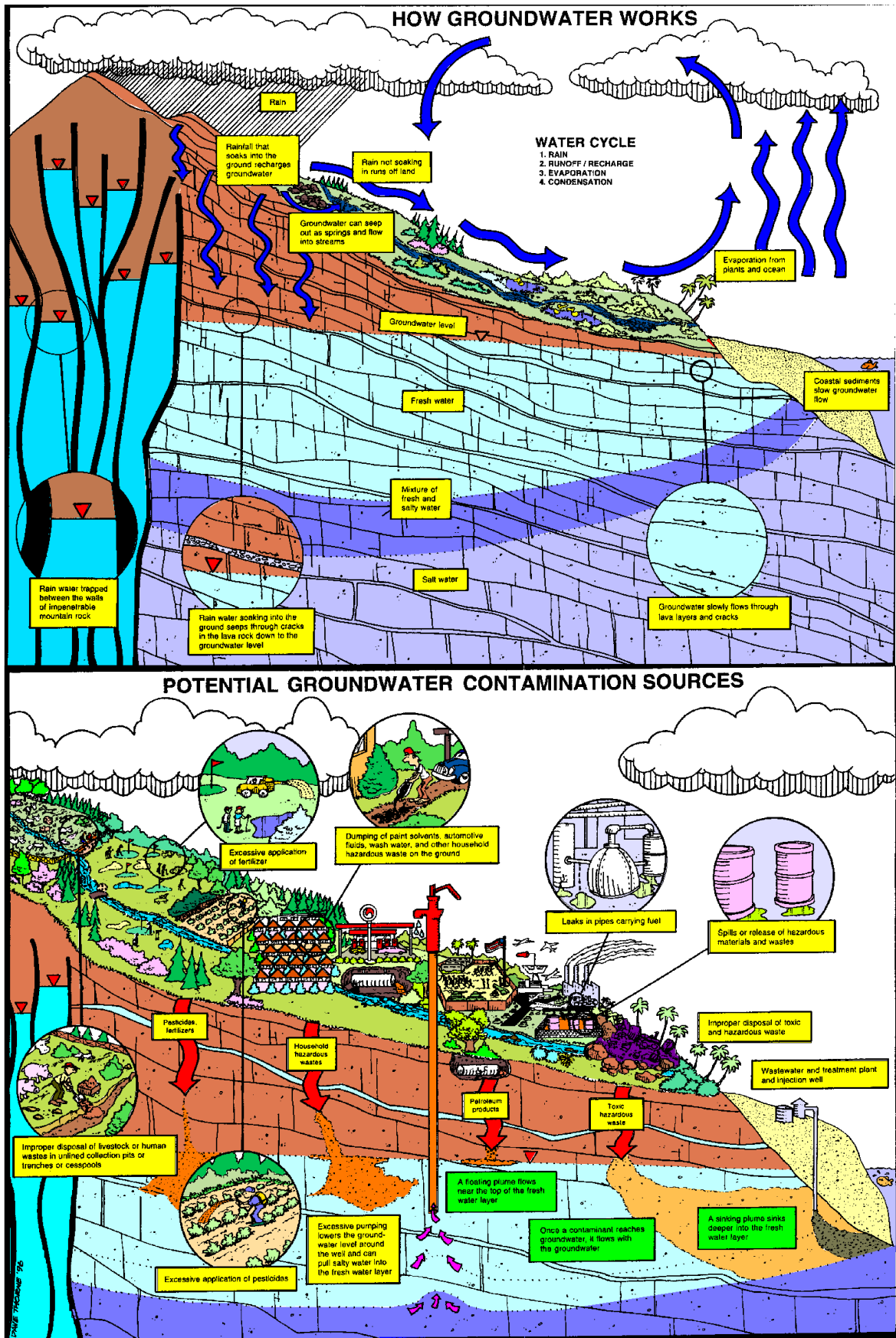
For the 2005 (48th) Hawaii State Science Fair, the Safe Drinking Water Branch will present awards for Groundwater/Drinking Water projects in the following categories:

<u>No.</u>	<u>Division</u>	<u>Description of Award & Special Conditions</u>	<u>Categories</u>
1	SR	Certificate, \$200 Savings Bond or Cash Award, Presentation at Local Professional Conference Outstanding individual project in any subject category related to drinking water/groundwater and/or groundwater protection.	1-14
2	JR	Certificate, \$100 Savings Bond or Cash Award, Presentation at Local Professional Conference Outstanding individual project in any subject category related to drinking water/groundwater and/or groundwater protection.	1-14
3	JD	Certificate, \$50 Savings Bond or Cash Award, Presentation at Local Professional Conference Outstanding individual project in any subject category related to drinking water/groundwater and/or groundwater protection.	1-14
4	OD	Certificate, \$ 100 Savings Bond or Cash Award, Presentation at Local Professional Conference Outstanding team project in any subject category related to drinking water/groundwater and/or groundwater protection.	00
5	TA	Certificate, \$200 Savings Bond or Cash Award, Outstanding teacher who promotes learning of environmental science (especially as it relates to drinking water/groundwater and/or groundwater protection.) Based on interviews with drinking water/groundwater project students.	



The Safe Drinking Water Branch reserves the right to not provide awards in Divisions/Categories in which there are no qualifying projects. We further reserve the right to provide multiple awards in Divisions/Categories where there are multiple outstanding projects.

TEACHERS: Would you like copies of this poster for your classroom.



To obtain copies, contact: **Groundwater Protection Program, Safe Drinking Water Branch, DOH**
 919 Ala Moana Blvd., #308, Honolulu, HI 96814 or call (808) 586-4258.

Please send your suggestions/ideas, questions or comments to:

STATE SCIENCE FAIR 2005
Safe Drinking Water Branch
State Department of Health
919 Ala Moana Blvd., Room 308
Honolulu, Hawaii 96814

Fax us at (808) 586-4351,
Attn: "STATE SCIENCE FAIR 2005- Safe Water"

SDWB WEB SITE:
www.hawaii.gov/health/environmental/water/sdwb.html



LINDA LINGLE
Governor of Hawaii

CHIYOME LEINAALA FUKINO, M.D.
Director of Health

LAURENCE K. LAU
Deputy Director for
Environmental Health



We provide access to our activities without regard to race, color, national origin (including language), age, sex, religion, or disability. Write or call our Affirmative Action Officer at Box 3378, Honolulu, HI 96801-3378 or at (808) 586-4616 (voice) within 180 days of a problem.

In the 2004-2005 School Year Issue of the Hawaii Water for Kids - State Science Fair:

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This newsletter is also available on the Safe Drinking Water Branch website at www.hawaii.gov/health/eh/sdwb

**Hawaii Water for Kids
State Science Fair (2004-2005 School Year)
Safe Drinking Water Branch
Environmental Management Division
Hawai`i Department of Health
919 Ala Moana Boulevard, Room 308
Honolulu HI 96814**

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