



Children's Shoreline and Water Educational Resources

(*water-related resources)

Salish Sea

Handbook (ARTS) <http://www.hollyarntzen.ca/SalishWkshp2.pdf>

CD (Holly Arntzen & the Watershed Choir) <http://www.hollyarntzen.ca/>

Other CD's from Holly Arntzen:

Running from the Mountains CD (Holly Arntzen & the Watershed Choir)

Winds of Change CD (Holly Arntzen & the Sky Singers)

***Sparks, Brownies, Guides**

Publications (eg. *Canadian Guider*, Junior Leader- Ranger/Cadet 1998; also article by Sarah Kipp in *Canadian Guider*, Spring 2002, "Caring for Shorelines"; Looking at the Shoreline- A Nature Walk)

***Cubs, Scouts**

Publications (eg. *Jump Start*)

***Young Naturalists Club**

Publications (*NatureWILD*) and activities (Action Awards, Explorer Days), YNC of BC, c/o Vancouver Natural History Society, Box 3022, Vancouver, BC V6B 3X5

***School District 83- Salmon Arm** <http://www.ariverrunsbyit.sd83.bc.ca>

Started program called "A River Runs By It"

Fish SMART <http://www.fishsmart.org/>

Children's Angler Education Program for use in the BC school curriculum. Teachers are paired with volunteers from the local sport fishing community to educate children in being responsible anglers. In-class lessons and outdoor activities include learning about fish habitat, good catch and release practices, angler etiquette and safety.

Canadian Wildlife Federation <http://www.cwf-fcf.org>

Quiz tests students knowledge of shoreline ecosystems

Materials:

Canadian Wildlife, Wild (7-12),

Your Big Backyard (3-6),

Biosphere (french)

Habitat 2000 booklets: Learning about Wildlife Units 11, 16 & 18

Habitat 2000 posters: Migration, An Incredible Journey (2000) - 2 posters

Give Wildlife an Edge.....Protect our Shorelines (Canadian Wildlife Federation)

Give... Wildlife Poster

Upstream Elora Centre for Environmental Excellence- sample curriculum

***Fisheries & Oceans Canada** <http://www.dfo-mpo.gc.ca>

Big Blue Bus Kid's Corner -Resources on oceans and everything "watery" for children: Water Wizard's Club, Small Fry Cub, The Park, Contests, Library, School House, The Sandbox, and Creature Feature

http://www.dfo-mpo.gc.ca/canwaters-eauxcan/bbb-lgb/index_e.asp

Library- Teacher's Resources, many great links to other educational sites and resources for students and teachers

http://www.dfo-mpo.gc.ca/canwaters-eauxcan/bbb-lgb/school-ecole/teachers-pedagogiques/index_e.asp

Teacher's Educational Resources- teacher-led activities, programs and experiments

http://www.dfo-mpo.gc.ca/canwaters-eauxcan/bbb-lgb/school-ecole/index_e.asp

How Blue Are You? True Blue Quiz

Scales & Tales - Pacific Salmon series of fact/fun sheets (8-12)

Gently Down the Stream - curriculum for study of Pacific Salmon in BC

Stream Care Booklet

Capilano Salmon Hatchery - info brochure

Homes for Fish - colouring book (english/french)

Safety Sam's Safe Boating Colouring Book Coast Guard

* Environment Canada http://www.ec.gc.ca/water/en/info/pubs/e_teach.htm

A do-it-yourself guide for building an interactive pollution model (GBEI) fold out poster
www.pyr.ec.gc.ca

Acid Rain colouring poster

Freshwater website http://www.ec.gc.ca/water/e_main.html

The Marine Ecology Station Cowichan Bay Education Programs 1998-99

* **Project WILD Activity Guide 1997** -"Where does water go after school?" exercise; "Watershed" exercise

* **Project Wet** (Water Education for Teachers) publication: Water Celebration! A Handbook

Website- <http://www.cwra.org/wet/educatframe1.html> (Support materials and contacts)

* **EnviroKids find out about Fish** - activity book; Alberta Environmental Protection

Farms, Feathers, Fins - colouring and story book; Comox Valley Waterfowl Management Program and Ducks Unlimited

* **Wally Otter Says: We Really "Otter" Protect our Water** - colouring book (good groundwater and septic info); Spokane County Clean Water Appreciation Program & Washington State Department of Ecology

Ducks Unlimited- www.ducks.ca

Wetland Education- Teachers Resources <http://www.ducks.ca/edu/resource.html>

Grades 4-6 Habitats, Communities and the Diversity of Life

Grades 7-8 Interactions and Ecosystems

Grades 9-12 Evolution, Diversity and the Sustainability of Ecosystems

ePals Classroom Exchange http://www.epals.ca/projects/ducks_unlimited/definition.tpl "Healthy Wetlands. Healthy You", links to teacher resources, field guides
Puddler Magazine - for Greenwings
Greenwing camp workbook
Summer Journal/Activity book for Beach Grove Birders

Bug Wise - Federation of Ontario Naturalists

The Kids Cottage Book - Kids Can Press, Toronto

Explore the Shore - Friends of Prince Albert National Park (part of kids@parks program)
Activity guide for kids aged 5 - 10
Interpreter's Guide

* **Wetlands - Webbed Feet Not Required** - teacher's guide, student booklet and activity poster:
Alberta Environment/Parks Canada - Education program

Beside the Sea- Beach studies for the intermediate program - DFO's marine science activities booklet for BC teachers.

Discover your Estuary - Environment Canada activity book on the Fraser river Estuary for older children

*Greater Vancouver Regional District (GVRD):

From Source to Sea - intermediate drinking water and wastewater education program (focused more on Fraser but can still be a good learning model) elementary level (K-7) curriculum to explore water

What's going down the drain? poster

Waterworks Wonders poster

* **Groundwater video** - from Living by Water; check local library

* **Non-Point Source Pollution video: Out of sight, out of mind** ; check local library

* **BC Hydro** - communication/education dept <http://www.bchydro.com/>

Green Street Site <http://www.green-street.ca/>

Environmental education resource for both shoreline and water activities

* **Discover Boundary Bay: A Teacher's Resource Guide**

<http://www.bcwetlands.com/publications.htm>

* **Networking BC Rivers** (teacher's resources, links, activities) <http://www.educ.sfu.ca/nbcr/toc.html>

EPA- some useful guides and models

<http://www.epa.gov/teachers/curriculumwater.htm>

http://www.epa.gov/teachers/background_water.htm

http://www.epa.gov/teachers/curriculumhuman_health.htm

<http://www.epa.gov/teachers/curriculumconservation.htm>

<http://www.epa.gov/kids/water.htm>

* Water links - <http://www.epa.gov/water/kids/waterforkids.html>

* Water activity links - <http://www.epa.gov/water/kids/you.html>

Shoreline, wetland and estuary links - <http://www.epa.gov/water/kids/waterforkids.html>

Wetland activity link - <http://www.epa.gov/water/kids/you.html>

***Good Planets Are Hard To Find** - environmental information- use as a model/guide, Namchi United Enterprises

* **Educating Young People on Water** <http://www.uwex.edu/erc/ey paw>
Guides, links, and water-related curricula can be downloaded

* **Canadian Water Resources Association**
http://www.cwra.org/cwra_main.html

* **Climate Change Canada** - Temperature Rising Poster- explains climate change and impacts of it (e.g. Rising Seas, Salmon in Hot Water, Low Water Blues) www.climatechangecanada.org

***Bureau of Land Management:** focuses on Columbia River Basin (based out of Washington)
<http://www.blm.gov/education/columbia>

***Upper Columbia Area Water Conservation Education** (publications/links)
<http://www.pn.usbr.gov/project/wat/areas/upper-columbia/uc-educ.html>

Canadian Environmental Education Curriculum Assessment Program
<http://www.ceecap.com/main.php>

Learning for a Sustainable Future

<http://www.schoolnet.ca/learning/related/water/content.htm>

Wonder of Water: Celebrating Water and Our Way of Life

(with UN - International Year of Fresh Water) 2 year (2003-4) stewardship initiative; check for publications, resources and links <http://www.wonderofwater.ca>

UN- International Year of Freshwater 2003- <http://www.unesco.org/water/iyfw2/>

Education Corner- search by theme or age http://www.unesco.org/water/iyfw2/ed_theme.shtml

UN Kids Water Quiz <http://www0.un.org/cyberschoolbus/index.html>

Link for kids environmental resources: Global Teaching and Learning Projects- resources, curriculum, community, quizzes + games <http://www0.un.org/cyberschoolbus/index.html>

International Association of School Librarianship (Resources for School Libraries- Water Year 2003) <http://www.iasl-slo.org/freshwater.html> , the following are links from the IASL website for resources related to freshwater and issues associated with access to freshwater

* **CMIS Pathfinder: Water: A Precious Resource**

<http://www.eddept.wa.edu.au/cmis/eval/curriculum/index.htm>

Water Links Worldwide http://www.unesco.org/water/water_links/

UNESCO Water Portal <http://www.unesco.org/water/>

* **GEO 2000 (Global Environment Outlook)** <http://www.unep.org/geo2000/english/0046.htm>

* **Comprehensive Assessment of Freshwater Resources of the World**

<http://www.un.org/esa/sustdev/freshwat.htm>

Freshwater <http://freshwater.unep.net/>

Water Resources Center Archives <http://www.lib.berkeley.edu/WRCA/>

Water for People <http://www.water4people.org/> [http](http://www.water4people.org/)

Earth Day Network- Water for Life Initiative 2003-4 <http://www.earthday.net/>

An Educator's Guide to Water Quality- Four lesson plans, Grades 5-8 (PDF)

http://www.earthday.net/goals/earth_water_guide.pdf

Como Watershed Group (Coquitlam) <http://www.vcn.bc.ca/cwg/index.html>

WatershedWise Program- featuring downloadable Program Prospectus and modules,

Modules 1, 3, 5 for grades 3-7; modules 2, 4 for grades 7-12

<http://www.vcn.bc.ca/cwg/CWGWWP/WWPDownloads.html>

Catalogues

Sea Grant - University of Alaska: books, videos and posters on Alaska's Marine Resources

Salmonid Educational Resources - DFO catalogue for BC Teacher

For more information contact:

The Living by Water Project

Ph: (250) 832-7405, Fax: (250) 832-6874

Email: shorelines@jetstream.net

www.livingbywater.ca

