

Appendix A - Summary of Online Water Resources

Site Name	Organization Name	Internet Site	Primary Purpose of Website	Primary Interest	Organization Type	Host Jurisdiction	Data Host/Portal?	Data Geographic Coverage	Interactive Tool?	Tool Description	Site search tool?
Alberta Water Portal	Alberta Water Portal	http://www.albertawater.com/	A data and information hub for Alberta water science	Provide Information	NGO	Alberta	Yes	Alberta	Links to applications	Gives a great list of mobile applications available for download	Yes
Water and Environmental Hub	Water and Environmental Hub	http://www.waterevironmentalhub.ca/	Data portal to help find and access online water and environmental data	Provide Information	NGO	Alberta	Yes	North America	Web mapping application	Spatially referenced data catalogue	Yes
Aquatic Information Partnership Catalogue	Aquatic Information Partnership Catalogue	http://www.aipcat.ca/	Data and report catalogue of aquatic information	Provide Information	Partnership	BC	No		No		No
Association of Professional Biologists	Association of Professional Biologists	https://professionalbiology.com/	To provide information to members and about the association	Aquatic Ecology	Professional Association	BC	No		No		Yes
Columbia Basin Trust	Columbia Basin Trust	http://www.cbt.org/	Provide information and advertise opportunities for engagement	Watershed management	NGO	BC	No		No		Yes
DataBC	BC Government	http://www.data.gov.bc.ca/	Provide BC Government Data	Provide Information	Provincial Government	BC	Yes	BC	Links to applications	List of useful tools for analyzing and visualizing data	No
GeoBC	BC Government	http://www.geobc.gov.bc.ca/	Platform for BC Government GIS Data	Provide Information	Provincial Government	BC	Yes	BC	Web mapping application	Ability to view GIS layers, create and export maps	Yes
River World	BC Institute of Technology	http://commons.bcit.ca/riverworld/	Provide information to promote the conservation of rivers	Watershed management	Academic	BC	No		No		No
Resources Information Standards Committee Aquatic Ecosystem Standards	BC Integrated Land Management Bureau	http://www.ilmb.gov.bc.ca/risc/pubs/aquatic/index.htm	Provide protocols for monitoring and sampling freshwater ecosystems	Aquatic Ecology	Provincial Government	BC	No		No		No
Drinking Water and Watershed Protection	Regional District of Nanaimo	http://www.rdn.bc.ca/cms.asp?wpID=1748	Provide water relevant information to regional residents	Watershed management	Regional Government	BC	No		Web mapping application	Ability to view GIS layers, create and export maps	Yes
Watershed Protection	Capital Regional District	http://www.crd.bc.ca/watersheds/	Provide water relevant information to regional residents	Watershed management	Regional Government	BC	No		Web mapping application	Ability to view GIS layers, create and export maps	
BC Lakes Stewardship Society	BC Lakes Stewardship Society	http://www.bclss.org/	Provide information for BC Lake Stewards	Aquatic Ecology	Stewardship Group	BC	No		No		Yes
Cross-Linked Information Resources (CLIR)	BC Ministry of Environment	http://www.env.gov.bc.ca/clir/	Search tool for Ministry of Environment e libraries	Provide Information	Provincial Government	BC	No		No		Yes
WELLS - Groundwater wells and aquifer database	BC Ministry of Environment	https://a100.gov.bc.ca/pub/wells/public/indexreports.jsp	Groundwater wells and aquifer database	Groundwater	Provincial Government	BC	Yes	BC	No		Yes
Fish Inventory Data Query	BC Ministry of Environment	http://www.env.gov.bc.ca/fish/fidq/index.html	Database of lake, stream and fish data	Aquatic Ecology	Provincial Government	BC	Yes	BC	Web mapping application		Yes
Living Water Smart Drought Information	BC Ministry of Environment	http://www.livingwatersmart.ca/drought/	Provide information on drought conditions in BC	Water quantity	Provincial Government	BC	No		No		No
EcoCat	BC Ministry of Environment	http://www.env.gov.bc.ca/ecocat/	Searchable catalogue of ecological reports	Provide Information	Provincial Government	BC	No		No		Yes

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Habitat Wizard	BC Ministry of Environment	http://www.env.gov.bc.ca/habwiz/	Database of lake, stream and fish data	Aquatic Ecology	Provincial Government	BC	Yes	BC	Web mapping application	HabitatWizard links to provincial databases, providing information on fish observations, fish ranges, obstacles, stream and lake physical information, aerial photography, the watershed atlas, fish stocking records and bathymetric mapping for over 2500 lakes.	Yes
Water Quality	BC Ministry of Environment	http://www.env.gov.bc.ca/wat/wq/index.html	Provide information on water quality for BC	Water Quality	Provincial Government	BC	No		No		No
Water Resources Atlas	BC Ministry of Environment	http://webmaps.gov.bc.ca/imf5/imf.jsp?site=wrbc	Database of water resources	Provide Information	Provincial Government	BC	Yes	BC	Web mapping application	The BC Water Resources Atlas is an iMapBC application with enhanced query functionality to enable drilling down to water related data. The Atlas displays information related to the water resources of British Columbia, such as watersheds, water quantity and quality monitoring sites, aquifers, water wells and flood protection works.	Yes
Drinking Water Quality	BC Ministry of Health	http://www.health.gov.bc.ca/protect/dw_index.html	Provide information relevant to drinking water quality in BC	Water Supply	Provincial Government	BC	No		No		No
BC Stewardship Centre	BC Stewardship Centre	http://www.stewardshipcentre.bc.ca/	Provide information to stewardship centers in BC	Stewardship	Stewardship Group	BC	No		No		Yes
BC Water and Waste Association	BC Water and Waste Association	https://www.bcwa.org/	To provide information to members and about the association	Water Supply	Professional Association	BC	No		No		Yes
Drinking Water Week	BC Water and Waste Association	http://www.drinkinwaterweek.org/	To promote drinking water week	Water Supply	Professional Association	BC	No		No		No
BC Wetland Stewardship Partnership	BC Wetland Stewardship Partnership	http://bcwetlands.ca/	Provide information about organization and about wetlands in BC	Stewardship	Partnership	BC	No		No		No
British Columbia Conservation Foundation	British Columbia Conservation Foundation	http://www.bccf.com/	To share information relative to fish and wildlife conservation	Aquatic Ecology	NGO	BC	No		No		Yes
British Columbia Groundwater Association	British Columbia Groundwater Association	http://www.bcgwa.org/	To provide information to members and about the association	Groundwater	Professional Association	BC	No		No		No
Coastal Water Suppliers Association	Coastal Water Suppliers Association	http://www.cwsa.net/	To provide information to members and about the association	Water Supply	Professional Association	BC	No		No		No
Project Watershed	Comox Valley Project Watershed Society	http://projectwatershed.ca/	Information and mapping to support aquatic stewardship	Watershed management	NGO	BC	No		No		Yes
BC and Yukon Water Quality Monitoring and Surveillance Program	Environment Canada	http://www.waterquality.ec.gc.ca/FN/home.htm	Provide access to water quality data and reports for BC and the Yukon	Water Quality	Federal Government	BC	Yes	Canada	No		Yes

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Fisheries Project Registry	Fisheries and Oceans Canada	Welcome.asp">http://www.canbc.dw.pac.dfo-mpo.gc.ca/fpr/Qf>Welcome.asp	Database of fisheries projects	Aquatic Ecology	Provincial Government	BC	Yes	BC	No		Yes
FORREX Watershed Management Program	FORREX	http://www.forrex.org/program/water/water_mana.asp?AreaPkey=7	Provide information on water management and advertise opportunities for dialogue	Watershed management	NGO	BC	No		No		Yes
Fraser Basin Council	Fraser Basin Council	http://www.fraserbasin.bc.ca	Provide information and advertise opportunities for dialogue	Watershed management	NGO	BC	No		No		No
Rethinking Water	Fraser Basin Council	http://www.rethinkwater.ca/	An online guide to watershed planning	Watershed management	NGO	BC	No		No		Yes
Hectares BC	Hectares BC	http://hectaresbc.org/app/habc/HaBC.html	Tool for viewing and analyzing BC geographical data	Provide information	Partnership	BC	Yes	BC	Web mapping application	Ability to view GIS layers and query statistics from database	Yes
Living Rivers Georgia Basin Vancouver Island	Living Rivers	http://www.livingrivers.ca/gbvi/index.html	Information to support the Living Rivers initiative	Watershed management	Partnership	BC	No		No		No
The Fraser Basin Pilot Project	Nature Conservation of Canada	http://science.natureconservancy.ca/centralinterior/fraser.php	To pilot a watershed assessment and evaluation tool decision support tool	Watershed management	NGO	BC	Yes	BC	Web mapping application	Inputs and data are viewed with Hectres BC	No
Okanagan Basin Water Board	Okanagan Basin Water Board	http://www.obwb.ca/	Provide information on the activities of the OBWB and Okanagan water issues	Water management	Regional Government	BC	No		Blog	Bi-weekly posts from the OBWB with comments and replies from the community	No
Okanagan Water Supply and Demand Project	Okanagan Basin Water Board	http://www.obwb.ca/wsd/	Provide information on the Okanagan water supply and demand project	Water management	Regional Government	BC	Yes	Okanagan	Web mapping application	Interactive viewer that allows users to visualize the results of the Okanagan Water Supply and Demand project, and includes the ability to compare different future scenarios	Yes
Okanagan Water Wise	Okanagan Basin Water Board	http://www.okwaterwise.ca/	Public education site to promote wise use of water in the Okanagan	Water management	Partnership	BC	No		No		No
Okanagan Conservation Planning	Okanagan Collaborative Conservation Program and South Okanagan-Similkameen Conservation Program	http://okcp.ca/	To encourage the distribution and sharing of local-level data and information	Conservation	Partnership	BC	No		Web mapping application	Geolive application that allows users to view, add content to online maps. It also hosts a discussion forum linked to the map	Yes
Pacific Climate Impacts Consortium	Pacific Climate Impacts Consortium	http://pacificclimate.org/	Provide information on the physical impacts of climate variability	Climate Change	Academic	BC	Yes	North America	Web applications	A number of tools to help visualize climate data	Yes
Pacific Fisheries Resource Conservation Council	Pacific Fisheries Resource Conservation Council	http://www.fishbc.ca/	Provide information to inform the conservation of Pacific salmon stocks	Aquatic Ecology	Partnership	BC	No		No		Yes
Pacific Institute for Climate Solutions	Pacific Institute for Climate Solutions	http://www.pics.uvic.ca/index.php	Provide information on climate change	Climate Change	Academic	BC	No		No		Yes

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Pacific Salmon Commission	Pacific Salmon Commission	http://www.psc.org/index.htm	Information to support salmon recovery	Aquatic Ecology	Partnership	BC	Yes	BC	No		Yes
Pacific Salmon Foundation	Pacific Salmon Foundation	http://www.psf.ca/	Information to support salmon recovery	Aquatic Ecology	NGO	BC	No		No		No
Polis Water Sustainability Project	Polis Water Sustainability Project	http://www.poliswaterproject.org/	Disseminate research findings and advertise opportunities for dialogue	Water Governance	Academic	BC	No		No		Yes
Quesnel River Research Centre	University of Northern BC	http://www.unbc.ca/qrrc	Provide information on the research and facilities at the research centre	Research	Academic	BC	No		No		Yes
Small Water Users Association of BC	Small Water Users Association of BC	http://www.smallwaterusers.com/	To provide information to members	Water Supply	NGO	BC	No		No		No
The Aquatic Partnership	The Aquatic Partnership	http://www.tapsource.org/	To support people who work with aquatic ecosystems in BC	Aquatic Ecology	NGO	BC	No		Wiki	A wiki and online discussion forum	Yes
Think Salmon	Pacific Salmon Foundation and Fraser Basin Council	http://www.thinksalmon.com/	Provide a platform to learn about salmon, to share stories, search and view funded projects.	Aquatic Ecology	Partnership	BC	No		Blog	Registered users can add their own salmon story	Yes
The Pacific Streamkeepers Federation	The Pacific Streamkeepers Federation	http://www.pskf.ca/	Information to support streamkeepers and stream stewardship projects	Aquatic Ecology	NGO	BC	No		No		Yes
Water Bucket	The Partnership for Water Sustainability in BC	http://www.waterbucket.ca/	Provide information and build community for water conservation and watershed management	Water Conservation	NGO	BC	No		Application	Applications that allow data input and then calculate hydrological parameters to guide decision making.	No
Program on Water Governance	UBC	http://www.watergovernance.ca/	Disseminate research findings and advertise opportunities for dialogue	Water Governance	Academic	BC	No		No		Yes
Water Supply Association of BC	Water Supply Association of BC	http://www.wsabc.ca/	To provide information to members and about the association	Water Supply	Provincial Government	BC	No		No		No
Waterwatch Salmon Society	Waterwatch Salmon Society	http://www.waterwatch.org/	Provide information relevant to wild salmon conservation	Aquatic Ecology	NGO	BC	Yes	BC	No		No
Community Mapping Network		http://cmnbc.ca/atlas_gallery	Platform to share locally developed habitat atlases	Provide Information	Partnership	BC	Yes	Canada	Web mapping application	Common platform for viewing Atlas Maps developed by community partners	Yes
Protect Your Watershed	Canadian Geographic	http://www.canadiangeographic.ca/watersheds/map/?path=english/	Educational resource	Educational Resource	NGO	Canada	No		Web mapping application	Allows a search for watershed by city and then links the watershed to upstream and downstream watersheds.	No
Canadian Water Resources Association	Canadian Water Resources Association	http://www.cwra.org	To provide information to members and about the association	Water management	Professional Association	Canada	No		No		No

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Water Connections	Centre for Sustainable Watersheds	http://www.waterconnect.ca/index.php	Provide information to help link water focused initiatives in Canada	Water Conservation	NGO	Canada	No		No		No
Canada's Water Info Stream	Council of the Federation Water Stewardship Council	http://www.counciloffederation.ca/infostream.html	Provide a compilation of online water data and information resources	Provide Information	Federal Government	Canada	No	Canada	No		No
Ducks Unlimited Canadian Aquatic Biomonitoring Network (CABIN)	Ducks Unlimited Environment Canada	http://www.ducks.ca/index.html http://www.ec.gc.ca/rcba-cabin	Information resources for wetland conservation Provide information and training resources to support CABIN	Aquatic Ecology Ecology	Stewardship Group Federal Government	Canada	No Yes		No		Yes No
Water Survey of Canada Real-time Hydrometric Data	Environment Canada	http://www.wateroffice.ec.gc.ca/index_e.html	Database hosting	Hydrology	Federal Government	Canada	Yes	Canada	Web mapping application	Google map shows locations of hydrometric stations. Clicking on site provides a time series graph. Tabular data is also available	Yes
ResEau	Environment Canada	http://www.ec.gc.ca/reseau/	Searchable water data portal populated by federal data. Local data submissions encouraged.	Provide Information	Federal Government	Canada	Yes	Canada	Web mapping application	ability to see monitoring stations on a map of Canada	Yes
Data Explorer	Environment Canada	http://www.ec.gc.ca/rhc-wsc/default.asp?lang=En&n=0A47D72F-1	Description, instructions and software to run application	Hydrology	Federal Government	Canada	No		Application	Windows based application that allows users to access HYDAT database	No
Ecological Monitoring	Environment Canada	http://www.ec.gc.ca/faunescience-wildlifescience/default.asp?lang=En&n=B0D89DF1-1	Protocols for ecological monitoring including freshwater protocols	Aquatic Ecology	Federal Government	Canada	No		No		No
Environmental Indicators	Environment Canada	http://www.ec.gc.ca/indicateurs-indicators/default.asp?lang=En	Water indicators for Canada	Educational Resource	Federal Government	Canada	No		Web mapping application	Search and change view of indicator maps	No
Know Your Watershed	Environment Canada	http://map.ns.ec.gc.ca/kyw/default.aspx	Search tool for watershed information across Canada	Educational Resource	Federal Government	Canada	No		Web mapping application	Search for watershed based on location and view watershed in mapping application with ability to add data layers	Yes
Municipal Water and Wastewater Survey	Environment Canada	http://www.ec.gc.ca	Data and reports from the municipal water and wastewater survey	Provide Information	Federal Government	Canada	Yes	Canada	No		No
Water Website	Environment Canada	http://www.ec.gc.ca/eau-water/	Source for Canadian water information	Provide Information	Federal Government	Canada	No		No		No
National Hydro Network (NHN)	GeoBase	http://www.geobase.ca/geobase/en/data/nhn/index.html	Hydrological data for each drainage basin areas in Canada	Provide Information	Partnership	Canada	Yes	Canada	Web mapping application	Ability to turn on and off NHN layers	Yes
GeoConnections Discovery Portal	GeoConnections	http://geodiscover.cgdi.ca/web/guest/home	Geographic data and publishing tools	Provide Information	Federal Government	Canada	Yes	Canada	Web mapping application	Ability to view GIS layer with an online mapping tool or download to Google Earth	Yes
Open Data Canada	Government of Canada	http://www.data.gc.ca/	Provide government data	Provide Information	Federal Government	Canada	Yes	Canada	No		Yes

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National Research Council Green Kenue	National Research Council	http://www.nrc-cnrc.gc.ca/eng/lbp/chc/software/kenue/green-kenue.html	Description, instructions and software to run Green Kenue hydrological application	Hydrology	Federal Government	Canada	No		Application	Downloadable tool that allows users to manipulate and visualize hydrological data. The tool interfaces with EC hydrometric database (HYDAT) and the Canadian Daily Climate Database (CDCD)	No
The Living Water Policy Project	The Living Water Policy Project	http://www.waterpolicy.ca/	Compare water policy across provinces and territories in Canada	Water Governance	NGO	Canada	No		Interactive information comparison	Allows a comparison of provincial water policy based on sub-headings (e.g. water quality)	No
Western Canada Water Association	Western Canada Water Association	http://www.wcwwa.ca	To provide information to members and about the association	Water Supply	Professional Association	Canada	No		No		No
Coastal Wiki	Coastal Wiki	http://www.coastalwiki.org/coastalwiki/Main_Page	An online encyclopedia for and by coastal professionals	Coastal Conservation	Partnership	Europe	No		Wiki	registered users can add and edit information	Yes
Water Wiki	International Water Association	http://iwawaterwiki.org/xwiki/bin/view/Main/	Share water information through a wiki platform	Provide Information	Professional Association	International	No		Wiki	registered users can add and edit information	Yes
Canada's Aquatic Environment	University of Guelph	http://www.aquatic.uoguelph.ca/	Provide educational material on aquatic ecosystems	Educational Resource	Academic	Ontario	No		No		No
Aqueduct Alliance	Aqueduct Alliance	http://insights.wri.org/waterriskatlas/index.html	Interactive indicators of risks in water supply	Water for Industry	Business	US	Yes	Global	Web mapping application	Manipulate global and basin specific maps that show indicators of risks in water supply	No
Centre for Watershed Protection	Centre for Watershed Protection	http://www.cwp.org/	Provide research, education and training resources for watershed planning and protection	Watershed management	Stewardship Group	US	No		No		No
Coastal Marine Ecosystem Based Management Tools Network	Coastal Marine Ecosystem Based Management Tools Network	http://www.ebmtols.org/	Provide a catalogue of tools and training opportunities	Resource for online tools	Partnership	US	No		Links to applications	Various applications that support the use of ecological and socioeconomic information into decision making	Yes
CUAHSI Hydrologic Information System	CUAHSI Hydrologic Information System	http://his.cuahsi.org/index.html	Provide online and downloadable applications for sharing hydrological data.	Hydrology	Academic	US	Yes	US	Application	Downloadable Hydrological data search and viewing application	Yes
Watershed Academy Web	Environmental Protection Agency	http://cfpub.epa.gov/watertrain/index.cfm	Online training and information for watershed planning	Watershed management	Federal Government	US	No		No		No
Watershed Planning Tool	Environmental Protection Agency	http://iaspub.epa.gov/watershedplanning/watershedPlanning.do?pageId=48&navId=35	User interface to support watershed planning	Watershed management	Federal Government	US	No		Online planning tool	Follow prompts to input information about the watershed and get a recommended outline for a watershed plan with suggestions for information to collect and web based resources. Designed for US jurisdictions but still some utility for Canada	No