



Haliburton-Muskoka-Kawartha

children's water festival

2018

Parent Information Guide

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www.kawarthacu.com

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River

Ontario Ministry of Environment & Climate Change
Orillia Power Distribution Corporation

Stream

Friends of Cedar Bay
Heather Ross
Isabelle Heaven
Kawartha Dairy Limited
Trent University

Sponsor an Activity Station

Bracebridge Generation Limited

Outside Presenters

Barry "Bazza" Hayward
Dorset Environmental Science Centre (MOECC)
Friends of the Osprey
Gillian Carswell
Haliburton County Emergency Medical Services
Haliburton Fire Management Centre (OMNRF)
Kawartha Conservation
Larry Dyke
Muskoka Watershed Council
Ontario Provincial Police
Ontario Turtle Conservation Centre
Township of Algonquin Highlands Fire Services
TRACKS Youth Program

In-Kind

Abbey Gardens
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Bancroft Stewardship Council
Fleming College (Lindsay)
Friends of Ecological & Environmental Learning
(FEEL)
Kinark Outdoor Centre
Minden Agriculture Society
Todd's Independent Grocer
Township of Algonquin Highlands
Township of Minden Hills
Trent University
Trillium Lakelands District School Board
U-Links Centre for Community Research
Water Depot

... Thank You

Welcome, Parent/Adult Volunteer!

The Haliburton-Muskoka-Kawartha Children's Water Festival motivates students to become water stewards in their classrooms and communities. With hands-on, interactive activities combined with messages relevant to their daily lives, students 'soak up' knowledge on the properties, uses, connections and importance of water. With this knowledge, students become aware of the value of conserving and protecting water.

Activities at the Festival are grouped into five theme areas, as follows:

Water Conservation

- ◆ Using water wisely in our homes, schools and communities.

Water Attitudes

- ◆ Introduction to historical uses of water compared with present uses.
- ◆ Exploration of common attitudes toward water and ways to promote an appreciation of water as a natural resource.

Water Technology

- ◆ Role of water in energy production.
- ◆ Examine how water is treated, stored and distributed.

Water Protection

- ◆ Examination of the interdependence of soil, air, water, plants, animals and people.
- ◆ Consideration given to the positive steps we can take to keep water clean.

Water Science

- ◆ Introduction to the physical science of surface water and ground water.
- ◆ Introduction to the hydrological cycle.
- ◆ Exploration of the role of water quality and quantity to aquatic life.

Getting Ready for the Festival

- ◆ Read through this information guide so you know what to expect at the Festival. If you have questions or concerns, discuss them with the teacher prior to the Festival.
- ◆ We ask schools to provide one adult supervisor for each group of five students.
- ◆ Discuss the Festival and the role of adult supervisors with the teacher.
- ◆ **Any students who are not to be photographed, videoed or interviewed should be known by the adult supervisor. If you do not know, please ask the teacher. You should have a list of full names of the students in your group provided by your teacher.**
- ◆ Familiarize yourself with the activity centre location map found on page 7. Activity Centres will have location signs associated with them.
- ◆ You won't need to be an expert on water for your visit, but if you are curious, several excellent web sites are listed on the final pages of this guide.

- ◆ Please bring a “**litterless lunch**” and/or “**litterless snacks**”. **There is no place to purchase food at the Kinark Outdoor Centre.**

A suggested Parent/Helper Survival Kit:

- ◆ clipboard
- ◆ pen or pencil
- ◆ large zip-lock baggie
- ◆ pocket full of tissues
- ◆ your own backpack (lightly loaded!)
- ◆ sunscreen

On the Day of the Festival:

1. The Festival will be held rain or shine. Check the weather report and dress appropriately. The site may be wet in places, so **comfortable, waterproof footwear** is a good idea! **Bring your lunch.** Parent helpers and the children they are supervising are not to leave the Kinark Outdoor Centre during the school’s visit to the Festival.
2. If you are meeting your school at the site please minimize vehicles in the limited parking area by car-pooling with others from your school. Identify yourself to parking attendants on arrival as a parent helper and park where directed.
3. Proceed to the registration/welcoming area (Nova Centre) – **DO NOT wait in the parking lot.** When your school’s bus arrives the group will be greeted by a Festival volunteer and brought to the school’s assigned area in the lunch tent area.
4. Instructions / changes to activity centre availability etc. for the day will be communicated to your whole school at the registration/welcoming area or by the Festival volunteer marshalling you to the school’s designated area at the lunch tent.
5. **NO STUDENTS ARE TO BE LEFT AT ANY TIME, ANYWHERE ON SITE, WITHOUT ADULT SUPERVISION. You must keep your group together at all times.** No student should be removed from site prior to the group departure without your teacher in charge knowing in advance.
6. If your teacher has identified specific centres to visit you may want to do them first but **PLEASE** feel free to take advantage of all of the centres, and visit more than may be listed by your teacher if time allows.
7. With the possibility of media coverage at the Festival, adult supervisors need to be aware of any students who are not to be photographed or interviewed. Proper name spellings of students able to be photographed or interviewed should also be available. **Please ensure that you know of students whose parents/guardians have not consented to photographs, video, etc. through the school board.**
8. A great deal of volunteer time and effort has been spent organizing the Festival for the benefit of your child and their classmates.
9. In the event of an emergency, contact any Festival volunteer. Festival organizers have 2 way radios and one radio is permanently located at the Registration area. If you need to contact your classroom teacher, messages will be transmitted via the organizers. Festival

staff and volunteers can be identified by blue bibs (pinnies) which have a white Haliburton-Muskoka-Kawartha Children’s Festival logo on the front. Festival Organizers will be wearing bright green bibs (pinnies) with the HMK Children’s logo on the front.

10. At the end of the day, before loading the bus, you will meet in your designated location under the lunch tent in order for the classroom teacher to do a head count. Parent helpers should not leave the site until the teacher has signaled that your group is in their care. A Festival volunteer will lead the collected group to the bus location for boarding.
11. Lost and found items can be brought to the registration area at the Nova Centre. If there are items remaining at the end of the Festival, they will be taken home with the Festival Coordinator for a limited amount of time (2 weeks). Please contact Irene Heaven, Festival coordinator, at (705)286-3181 or iheaven@outtolearn.ca if there are items you are missing.

Feel free to participate in the activities along with your group. Your participation will encourage them to explore the activities, and everyone (including you) will learn a lot more from the visit.

Enjoy your visit to the Haliburton-Muskoka-Kawartha Children’s Water Festival! We welcome your feedback through a short survey found at "The Soap Box". Please let us know how you enjoyed your visit and how you think we can improve the Festival for future years.

More details about the Festival can be found at our website at www.hmwaterfestival.ca.

Thematic Overview of Activity Centres

All of the activity centres listed below are accessible to all children at the Festival.

For the purpose of assisting teachers in planning their itinerary, we have grouped the activity centres into five themes, encoded below. We recognize that many of the activities could belong to several or all of the five themes and have identified one predominant theme to facilitate the focus or diversity of the itinerary.

For most activity centres, we have attempted to include the most relevant learning expectations from the Ontario Curriculum which has been provided to teachers in the HMK Children's Water Festival Teacher's Planning Guide or can be found at our website, www.hmwaterfestival.ca.

WC: Water Conservation **WA:** Water Attitudes **WT:** Water Technology **WP:** Water Protection **WS:** Water Science

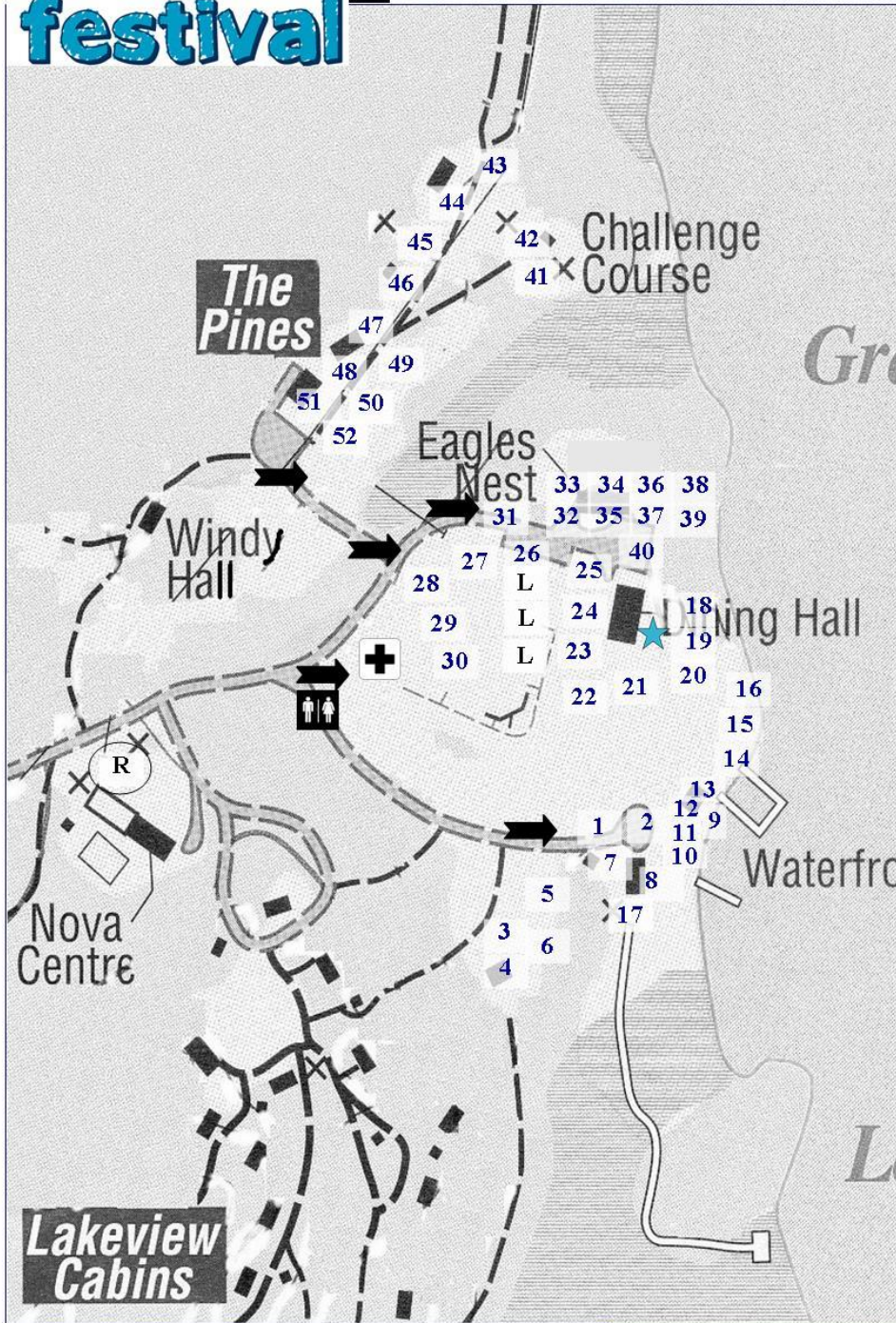
Activity Centre	Theme	Location	Map #
Algonquin Highlands Fire Service	WC	Eagles Nest (Outside)	31
Amazing Aquifer	WP	Eagle’s Nest (Inside Upper Level)	35
Beaver Fever	WP	The Challenge Course/The Pines	41
Blooming Jeopardy	WP	The Pines	45
Bugs in the Mud	WS	Waterfront (under open shelter)	10
Creeks and Critters	WP	Waterfront	13
Discovering the Water Table	WS	Waterfront	15
Earth in the Balance	WP	The Pines	48

	Froggy ... You are Outta There!	WP	Baseball Diamond Field	30
	Gchi-Nbi: "Sacred Water"	WA	Waterfront	16
	Getting to Know the Osprey	WP	Baseball Diamond Field	27
	GREAT Lakes!	WS	Waterfront	4
	Haliburton Fire Crew	WC	Waterfront	8
	How Clear is Your Lake?	WS	Waterfront (under open shelter)	11
	How Much Water Does It Take?	WT	Waterfront	3
	How Wet is Our Planet?	WS	Eagles Nest (Back Porch)	39
	It's a Trout's Life	WP	Waterfront	6
	Just Dam It!	WP	The Challenge Course/The Pines	42
	Lather Up!	WC	The Pines	47
	Lay My Egg!	WP	Waterfront	17
	Migration Headache	WP	The Pines	51
	Mother Nature's Respirator	WS	Waterfront	9
	No Water Off A Duck's Back	WP	Eagle's Nest (Inside Lower Level)	32
	Ontario Provincial Police Marine Unit	WA	Dining Hall (Outside)	26
	Osprey Survivor	WS	Dining Hall (Outside)	24
	Panning for Gold	WA	Waterfront	14
	Pioneer Water Race	WA	Dining Hall (Outside)	25
	Poop in the City!	WT	Dining Hall (Outside)	19
	Reign in Garbage! (EnviroScape® Model)	WP	Eagle's Nest (Front Porch)	40
	Reservoir Rendezvous	WC	Dining Hall (Outside)	18
	Riparian Repair	WP	Waterfront	1
<i>NEW</i>	Road Salt: the good, the bad & the salty!	WT	The Pines	46
	Rolling Through the Shed	WP	Baseball Diamond (Hill Beside)	22
	Round You Go, H ₂ O!	WS	Waterfront	2
	Septic Sights	WT	Dining Hall (Outside)	20
	Settle Down!	WP	The Waterfront	7
	Shoreline Do's & Don'ts (a display)	WP	Eagle's Nest (Inside Upper Level)	36
	Somethin's Fishy Going On	WS	Waterfront (under open shelter)	12
	Stream Savers	WP	Eagle's Nest (Inside Lower Level)	33
	The Fish is Right	WP	Baseball Diamond Field	28
	Tread Lightly	WA	The Pines	43
	Turtle Trauma	WP	The Pines	49
	Unwelcomed Guests	WP	Waterfront	5
	Up on the Watershed	WA	Baseball Diamond Field	29
	Wash Out!	WA	The Pines	44
	Water Does Wonders	WP	Eagle's Nest (Inside Upper Level)	37
	Water Hero Scavenger Hunt	WA	Throughout Festival Grounds, Finish at Water Hero Table	23
	Water Runs Downhill	WS	Eagles Nest (Inside Upper Level)	34
<i>NEW</i>	What's Coming?	WS	Baseball Diamond (Hill Beside)	21
	Where Are all the Turtles?	WP	The Pines	50
	Why So Porous?	WS	Eagles Nest (Back Porch)	38
	Wonderful Wetlands	WP	The Pines	52



2018 Activity Centres Map

- R Registration L Lunch Tents for Students
- + First Aid → Directional Signage
- ♿ Washrooms ★ Lunch Time Drum Session



FESTIVAL ACTIVITIES:

1. Riparian Repair
2. Round You Go, H2O
3. How Much Water Does It Take?
4. GREAT Lakes!
5. Unwelcomed Guests!
6. It's a Trout's Life
7. Settle Down!
8. Haliburton Fire Crew
9. Mother Nature's Respirator
10. Bug's in the Mud
11. How Clear is Your Lake?
12. Somethin's Fishy Going On!
13. Creeks and Critters
14. Panning for Gold
15. Discovering the Water Table
16. Gchi-Nbi: "Sacred Water"
17. Lay My Egg!
18. Reservoir Rendezvous
19. Poop in the City!
20. Septic Sights
21. What's Coming?
22. Rolling Through the Shed
23. Water Hero Table
24. Osprey Survivor
25. Pioneer Water Race
26. OPP Marine Unit
27. Getting to Know the Osprey
28. The Fish is Right!
29. Up on the Watershed
30. Froggy ... You are Outta There!
31. Algonquin Highlands Fire Service
32. No Water Off a Duck's Back! (inside lower)
33. Stream Savers (inside lower)
34. Water Runs Downhill (inside upper)
35. Amazing Aquifer (inside upper)
36. Shoreline Do's & Don'ts (inside upper)
37. Water Does Wonders! (inside upper)
38. Why So Porous? (back porch)
39. How Wet Is Our Planet? (back porch)
40. Reign in Garbage! (front porch)
41. Beaver Fever!
42. Just Dam It!
43. Tread Lightly
44. Wash Out!
45. Blooming Jeopardy
46. Road Salt: the good, the bad & the salty!
47. Lather Up!
48. Earth in the Balance
49. Turtle Trauma
50. Where Are All the Turtles?
51. Migration Headache
52. Wonderful Wetlands



Websites of Interest

This is a listing of some of the websites provided to the teachers as resource sites. You may find them useful as well. There is a great deal of information on water in these sites, which may help you prepare for your day(s) at the Haliburton-Muskoka-Kawartha Children's Water Festival. Don't panic – you aren't expected to do this! These are just resources for your information.

- **Freshwater Website – Environment Canada**
<http://www.ec.gc.ca/water/index.htm>
Contains information about the nature of water and management. Site has good teacher's corner and a large list of publications.
- **Great Lakes Information Network**
<http://www.great-lakes.net>
Information about life in and around the Great Lakes. Teacher resources provide quizzes, mini lessons on Great Lake topics. U.S and Canadian partnership.
- **Envirozine – Environment Canada's Online Newsletter**
http://www.collectionscanada.gc.ca/eppp-archive/100/202/301/science_environ-e/html/2001/07-08/home_e.cfm.html
Discusses different environmental issues each week
- **Canadian Water Resources Association**
<http://www.cwra.org>
An organization for individuals and organizations interested in the management of Canada's water resources.
- **Adopt-A-Pond**
<http://www.torontozoo.com/adoptapond/>
A wetland conservation program operating out of the Toronto Zoo that allows people and groups to adopt a pond.
- **Otonabee Region Conservation Services**
<http://www.otonabee.com>
- **Peterborough Utilities Services**
<http://www.puc.org>
- **Waterfront Regeneration Trust**
<http://www.waterfronttrail.org>
A southern Ontario ENGO that organizes projects designed to enhance the Lake Ontario shoreline on the Canadian side.
- **Ontario Clean Water Agency**
<http://www.ocwa.com>
- **Lifewater Canada**
<http://www.lifewater.ca>
Donations and volunteering overseas on water-based projects.
- **Watershed Science Centre**
<http://www.trentu.ca/wsc>
Information about watershed research.

- **Water - Ministry of the Environment**
<http://www.ene.gov.on.ca/water.htm>
Information on various water-related issues, including wells, conservation, drinking water monitoring, the Great Lakes and more.
- **Project Wet**
<http://hctfeducation.ca/product/project-wet/>
A Canadian program to promote the appreciation and knowledge of water resources in the classroom.
- **Water Survey of Canada**
<http://www.ec.gc.ca/rhc-wsc/>
National water quantity survey. Looks at water-related issues facing various provinces
- **Water Environmental Association of Ontario**
<http://www.weao.org>
An organization for technical and professional individuals.
- **U.S Environmental Protection Agency**
<http://www.epa.gov/kids> or <http://www.epa.gov/teachers>
Kids' site has online activities. Teachers' site has information such as curriculum ideas and other links.
- **Waterweb**
<http://www.waterweb.org>
A consortium listing water-related and environmental websites in Canada and internationally.
- **University of Wisconsin Extension Programs, Environmental Resources Education Site**
<http://www.uwex.edu/erc/ywc>
Educating Young People About Water. Has links to curriculum materials and ideas.
- **The Groundwater Foundation (USA)**
<http://www.groundwater.org/>
Site for kids with activities and info.
- **Water Science for Schools, U.S Geological Survey**
<http://education.usgs.gov/>
General information for kids and teachers, as well as online activities.
- **American Water Works Association**
<http://www.awwa.org>
- **Great Lake Information Management**
<https://www.ec.gc.ca/grandslacs-greatlakes/default.asp?lang=En&n=BB02C773-1>
Resource - Kids resources
- **Canada's Aquatic Environments**
<http://www.aquatic.uoguelph.ca>
Promotes awareness of aquatic ecosystems
- **Ducks Unlimited Canada**
<http://www.ducks.ca/>
- **Canadian Centre for Inland Waters- Water research in the Great Lakes**
<https://www.ec.gc.ca/inre-nwri/>

- **RiverSides Stewardship Alliance-Acts to facilitate behavioural attitudes**
<http://www.riversides.org>
- **Ontario Streams-Stream restoration information and education**
<http://ontariostreams.on.ca>
- **The Veins of Life Watershed Society**
Environmental Education and Outreach activities
<http://www.salishsea.ca/>
- **Conservation Ontario- Network of 38 conservation Authorities**
<http://www.conservation-ontario.on.ca>
- **Ontario Ministry of Natural Resources- Water Management and planning**
<http://www.mnr.gov.on.ca/mnr/water>
- **Water Environment Federation - Dedicated to water preservation and enhancement**
<http://www.wef.org/awk/default.aspx>
- **Water Use It Wisely**
<http://www.wateruseitwisely.com/game>
Incorporates water conservation tips into a memory game