



Ontario Benthos Biomonitoring Network (OBBN) Training Course Fall 2019

A course hosted by the Rideau Valley Conservation Authority

DATE: September 23 -25, 2019

LOCATION: Rideau Valley Conservation Centre - 3889 Rideau Valley Drive, Manotick, ON

COST: \$350.00 (plus applicable taxes: \$395.50 total)



Course Announcement

The Ontario Benthos biomonitoring network (OBBN), which is coordinated by the Ministry of the Environment, Conservation and Parks, is an aquatic macroinvertebrate biomonitoring network for Ontario's lakes, streams and wetlands.

This course covers biomonitoring theory, sampling methods, benthic-invertebrate identification, and bio assessment calculations. The training is recommended for anyone interested in using benthic macroinvertebrates to monitor streams or lakes using provincially standardized methods. Participants demonstrating proficiency are awarded a certificate of network membership.

This course is being offered in Eastern Ontario and follows the agenda and content offered at the course being held in Central Ontario at the Dorset Environmental Science Centre.

The course will be held by OBBN-certified trainers over three consecutive days and will include a field practicum. Space is limited. Early registration is highly recommended.

Personal Equipment List:

A variety of field and laboratory equipment, as well as protocol manuals and associated handouts will be provided; however students are encouraged to be as self-sufficient as possible. Students will be required to bring chest waders, appropriate field clothes for any weather, sunscreen, reusable water bottle and lunches for each day.

Accommodations:

If you need accommodations, please note that the following hotels are within 15 kilometers of the RVCC:

Ramada on the Rideau: 613-288-3500 <https://www.wyndhamhotels.com/ramada/ottawa-ontario/ramada-ottawa-on-the-rideau/overview>

Days Inn - Ottawa Airport: 613-739-7555 <http://www.daysinn.ca/hotels/ontario/ottawa/days-inn-ottawa-airport/hotel-overview>

Holiday Inn Express & Suites: 613-247-9500
<https://www.ihg.com/holidayinnexpress/hotels/us/en/ottawa/yowuh/hoteldetail>

Meals are not included. A variety of restaurants are available within driving distance of the RVCC and there is a shared kitchen (with fridge and microwave) which can be used to prepare meals. Some lunch breaks will occur in the field; therefore, participants will need to plan for and pack a lunch on these days (please see detailed agenda below)

Parking:

Parking at the RVCC will be free; you may park in the visitors' section (limited spots available) or in the designated staff parking lots.

AGENDA

Day 1

Time*	Subjects
8:00 – 8:30	Registration
8:30 – 9:20	Welcome, Purpose and format of Course: Goals for Day 1
9:20 – 9:40	Background OBBN Components, Principles and Status Update
9:40 – 10:10	Collector app using survey 123 and data storage
10:10 – 10:25	Break
10:25 – 11:30	OBBN Methods
11:30 – 12:00	Protocol Question and Answer
12:00 – 13:00	Lunch (Gather sampling equipment)
13:00 – 15:30	Sampling: Lake and Stream
15:30 – 17:00	Process Samples to obtain 100 count sample

Day 2

Time*	Subjects
8:30 – 8:45	Goals for Day 2
8:45 – 10:15	Introduction to benthic macro-invertebrates (demonstration using RVCA reference collection)
10:15 – 10:30	Break
10:30 – 12:00	The major groups of benthic macro-invertebrates (demonstration using the RVCA reference collection)
12:00 - 1300	Lunch
13:00 – 17:00	Practice identification skills and use of keys

Day 3 (Morning Session)

Time*	Subjects
8:30 – 10:00	Review
10:00 – 12:00	Standard OBBN certification quizzes

Day 3 (Afternoon Session, optional)

Time*	Subjects
13:15 – 14:15	Demonstration: statistical concepts and calculations involved in a bioassessment -Matching reference and test sites -Summarizing composition with indices -Evaluating test-site condition

*Timeslots are approximate

Course Administrator:



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Directions to Rideau Valley Conservation Centre

The Rideau Valley Conservation Centre is located in Manotick, Ontario, south of Ottawa.

Driving from Ottawa, via Hwy. 416:

East on Bankfield Road to Rideau Valley Drive.
Turn left on Rideau Valley Drive.
The Rideau Valley Conservation Centre is on your right (past Barnsdale Rd).

Driving from Ottawa, via Prince of Wales Drive:

Follow Prince of Wales to Rideau Valley Drive.
Turn left on Rideau Valley Drive and turn left at the first entrance.

