

Updated August 2021. Prices and descriptions may change. Please visit waterrangers.ca/testkits for the most up-to-date information.



Water Quality Testkits

Water Rangers is helping more people to deepen their understanding of water issues through affordable water testing. We believe that crowdsourcing water quality data through citizen science is a way to help scientists fill in gaps to achieve sustainable water monitoring. Together with our online open-data platform, we can offer people the tools to protect our waters!

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WHY WATER TESTING?

Testing helps us understand the health of our favourite water bodies, helping us to identify where something may have gone wrong. Lab tests are expensive and resource-intensive, so we've brought the health of our water to the hands of communities across the world. Additionally, water testing brings us closer to nature, and participants report it helps them connect with, understand, and care for the planet.

WHY WATER RANGERS?

Water Rangers is helping more people deepen their understanding of water issues through affordable water testing. We believe that crowdsourcing water quality data through citizen science is a way to help scientists fill in gaps to achieve sustainable water monitoring. Our free, open-data platform, water testing kits, and online course are tools for anyone to learn about and protect our lakes, rivers, and oceans!

YOU'RE PART OF SOMETHING BIG

The Water Rangers community spans all the way around the globe. With over 29,000 observations on our open-source platform, you're joining a massive number of people who are as passionate and conscientious as you are. There are many ways to get involved with the community, whether it's through our monthly testing days, joining local testing groups, or connecting with other on our exclusive Facebook community.



Which testing kit is for me?

How much testing variety do you want?

start here!

I want to do them all!

I'm only interested in one specific test.

Freshwater or saltwater?

Saltwater!

Freshwater!

All the tests or just the essentials?

Essentials

Give me it all!

An Ocean Explorer Kit is for you!

pg. 5



You can buy test components on their own!

pg. 7



You'll love the Compact Kit!

pg. 5



A classic Freshwater Explorer Kit will do the trick!

pg. 5



What's in my kit?

	Compact Kit	Ocean Explorer	Freshwater Explorer	Education Kit
Carrying bag	Hard case	Waterproof bag	Waterproof bag	Waterproof bag
HTH Test strips (pH, alkalinity, hardness)	✓ 50	✓ 50	✓ 50	✓ 80
Conductivity meter with water temperature (for freshwater)	✓		✓	✓ 3
Salinity meter (salinity for ocean water)		✓		
Metal thermometer	✓	✓	✓	✓ 3
Water proof field guide	✓	✓	✓	✓
Notebook (32 pages)	✓	✓	✓	
Clipboards				✓
Badges	✓ 2	✓ 3	✓ 3	✓ 6
Stickers	✓ 3	✓ 5	✓ 5	✓ 15
Whirl-pak bags	✓ 3	✓ 5	✓ 5	
Caribiner	✓	✓	✓	✓ 3
Floating wristlet	✓	✓	✓	✓ 3
Sample cup	✓	✓	✓	✓ 3
Calibration solution (for conductivity meter or refractometer)	✓	✓	✓	✓ 3
Secchi disc (clarity and depth)		✓	✓	✓ reel only
Suspect pollution guide (guide, gloves, extra whirl pak bags)		✓	✓	✓
Reacher stick	✓	✓	✓	✓ 3
Dissolved oxygen tests (ampoules + case)			✓ 30	✓ 30
Price	\$135	\$250	\$350	\$550

\$360.00

CUSTOM KITS

Custom kits are a great way to personalize your water testing experience. Whether you'd like to feature your name, favourite quote, or a drawing, we can add it to your kit. It's the perfect gift for the water lovers in your life! Upload your design (one colour, please!) and we'll turn it into the coolest testkit bag ever.



Build-your-own kit



Test strips
\$16.00



Thermometer
\$16.00



Secchi disk
\$71.00



Conductivity meter
\$55.00



Waterproof phone case
\$7.00



Dissolved oxygen
\$115.00



Salinity Meter
\$55.00

Restocking your kit



fresh water

Full restock pack
\$88.00



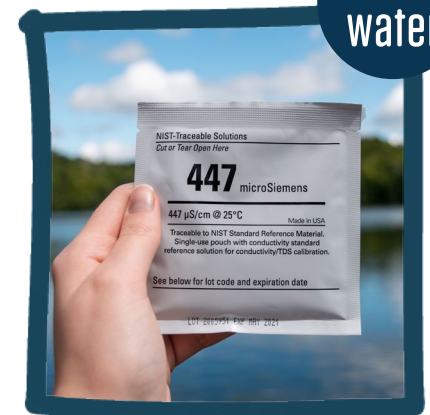
fresh water

Test strips
\$16.00



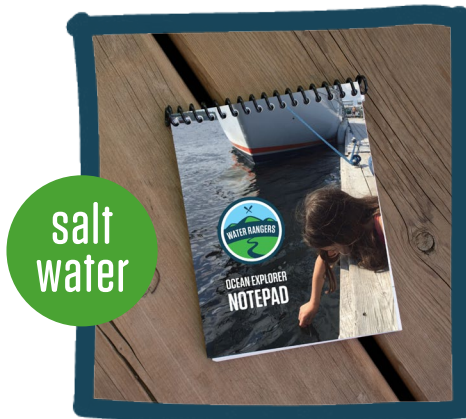
fresh water

Dissolved oxygen restock
\$75.00



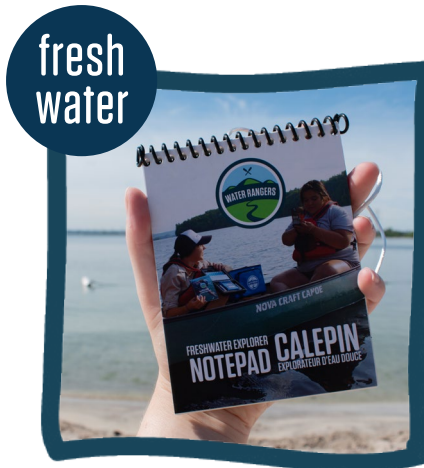
fresh water

Conductivity calibration
\$3.50



salt water

Ocean notepad
\$9.00



fresh water

Freshwater notepad
\$9.00



fresh water

Compact notepad
\$6.50

RANGER SWAG

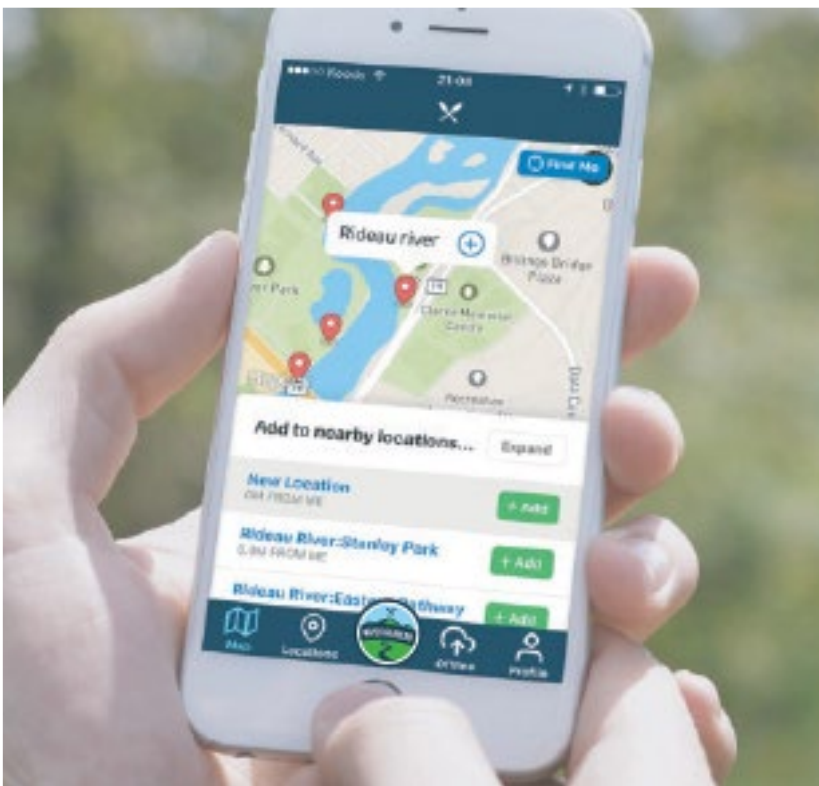
Vinyl stickers
\$0.15



Embroidered badges
\$1.00



Record and share your data on our open platform



Our [iOS](#) and [Android](#) app work for easier data collection in the field. Add your observations from anywhere! You'll need to visit our website to view or edit observations.

The top portion of the image shows a map of the Greater Toronto Area with various green and red markers. Each marker contains a small table of data, such as '2' in a green box and '0' in a red box. The bottom portion shows a screenshot of the iNaturalist website's 'DATA PLATFORM' interface. It features a navigation menu with 'TESTKITS', 'DATA PLATFORM', 'TRAINING', and 'ABOUT'. Below the menu, there are tabs for 'Observations', 'Issues', and 'Groups'. A prominent red button labeled 'REPORT AN ISSUE' is visible. The main content area displays an 'Observation Tests Summary' for a specific location, showing the following data:

Test	Latest	Average
pH (0-14)	8.4	8.4
Water Temperature °C	22.0	22.0
Air Temperature °C	27.0	27.0

Our website is openly viewable by anyone and based on a map. Each green marker represents a cluster of locations. Locations have many observations.

Each location shows a 'summary' of all the data. Click the question marks next to each test to get simple explanations. Logged-in users can add data and download data.

Groups can organize their volunteers by their own protocol.

For more information, [visit our FAQ](#).

If you'd like help importing existing datasets, [get in touch](#).

FREQUENTLY ASKED QUESTIONS

How accurate is the equipment in the kits?

Every item in our testkits has been carefully researched. We've compared them to other available items on the market to make sure we have the most reliable and user friendly equipment. You can learn more about how we chose the different items on our [research page](#).

How many tests can I do with my kit?

It depends. Most tests, like the Secchi measurement, can be done infinitely with your kit! Each kit comes with 50 test strips and the Freshwater Kit comes with 30 dissolved oxygen tests. If you'd like more, you can order these to be [refilled individually](#) at any time!

How long does shipping take?

We ship our orders out the next business day. However, please allow a few extra days for customized kits. We ship from Ottawa via Canada Post, which can take anywhere from 1-14 days, depending on your location.

My organization would like to start a citizen water monitoring program, but we can't afford your testkits. What can we do?

We're always happy to partner with organizations, non-profits, schools, etc. to co-write a grant proposal to set up citizen monitoring programs. We've had good success in the past, but of course we can't guarantee anything. [Contact us](#) and let's see if we can make it happen!

Have any more questions?

Our website is full of information about our kits, water testing, and citizen science. We would also love to hear from you, so feel free to send us an email to ask any questions you may have!

 Explore Water Rangers at [waterrangers.ca/tour](https://www.waterrangers.ca/tour)

 Email us at contact@waterrangers.ca