



# 2025

## ANNUAL REPORT

Building bridges...  
from data to action!





2025 YEAR  
IN REVIEW

In 2025, Water Rangers focused on strengthening shared infrastructure for community-led freshwater monitoring. We launched a brand-new data platform, published major reports like the Watershed Reports, and expanded the suite of tools we offer communities to measure water health.

Ready to dive in?





# BUILDING DATA INFRASTRUCTURE

Our shared platforms and tools support community water data over time. We design for scale, interoperability, and real-world use by communities and their partners.



2025 YEAR  
IN REVIEW

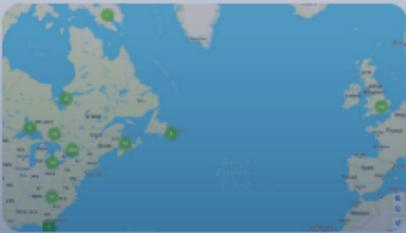


2025 YEAR  
IN REVIEW

# Collect, share, and explore community water science data

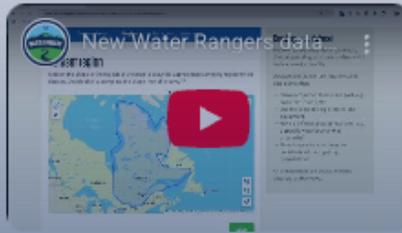
We're a non-profit on a mission to make water science accessible! Our free, open-access platform, testing equipment, and training resources help communities collect, organize, and share water quality data.

How it works



## Browse all of the data!

Explore community-collected water quality data on our public map. Search by location, dataset, or organization, then view sites and trends or download what you need.



## Set up your own dataset

You can easily add your organization and dataset, customize your form fields using Water Rangers' equipment plus your own, and invite your volunteer monitors to contribute. It's free for communities to use.



## Built for sharing

We make your water quality data easy to understand with simple visualizations. Want to do more? We follow open data standards so your work can be compared, understood, and acted on. You can download datasets or export data for use in other applications.

# Our new open data platform

We redesigned our platform that makes it easier for communities to manage, explore, and share water-quality data. It's built to support long-term monitoring and the highest data quality, including new tools for metadata and quality assurance. More to come! [data.waterrangers.com](https://data.waterrangers.com)



2025 YEAR  
IN REVIEW

6

2

Iceland

Norway

Norway

Denmark

United Kingdom

Germany

Quebec

2

Canada

94

100+

100+

99

Boston

New York

United States

1

100+

100+

100+

100+

100+

100+

100+

55

100+

100+

1

3

11

North Atlantic Ocean

5

3

Spain

1

2

3

18

66

2

Morocco

Algeria

Western Sahara

Mauritania

Mali

Niger

Senegal

Burkina Faso

Guinea

Ghana

Nigeria

0

# 558,000+

**datapoints on our open data platform (133,000 added in 2025) in 9,000 locations, primarily in Canada, USA, and the UK. [data.waterrangers.com/map](https://data.waterrangers.com/map)**

4



2025 YEAR  
IN REVIEW



# Built for the field

After launching our new data platform, we updated our iOS app and launched a new Android app! These apps are connected to our new data platform and allow you to easily upload your data in the field.



2025 YEAR  
IN REVIEW

# 434

**shared datasets** form the backbone of our data platform. Over 100 are automatically shared with partners including DataStream and the CaSTCo Data Hub, helping community data be combined with other data sources and used by more decision-makers.

*Photo by City of Surrey*



# TURNING DATA INTO EVIDENCE

Through the Watershed Reports and CaSTCo, we're beginning to build systems that organize and synthesize community data at scale. There's more to do, to help build structure, transparency, and meaning, but these reports show the foundations we're nurturing.



2025 YEAR  
IN REVIEW



# Watershed Reports

We published the 2025 Canadian Watershed Reports. Over 75% of Canada's sub-watersheds score as data-deficient. Scoring helps make gaps visible and actionable. [Visit the Watershed Reports website](#)

# Putting people at the heart of river recovery.



# CaSTCo (UK)

In the UK, we're part of the Catchment Systems Thinking Cooperative, a national collaborative effort of 30+ organizations to ensure community science is part of decision-making. Water Rangers authored the programme-wide impact report. [castco.org/impact-report](https://castco.org/impact-report)



2025 YEAR  
IN REVIEW

# MEASURING MORE, TOGETHER

From E. coli to nutrients, chloride, and education tools, we're expanding what communities can measure safely and accessibly!



2025 YEAR  
IN REVIEW



2025 YEAR  
IN REVIEW

# Monitoring health risk

You asked, and we listened! After extensive research and testing, we launched our E. coli test kit to help communities monitor health risks at swimming and recreation sites. Results are available within 24 hours at home, giving communities timely information and a stronger footing for conversations about water quality as it relates to human health.

[waterrangers.com/e-coli-testkit](http://waterrangers.com/e-coli-testkit)

*Photo by The River Institute*





2025 YEAR  
IN REVIEW

# Innovation in Erie

This year, Lake Erie Rangers refined our Winter testkit, piloted our new E. coli kit, plus trialed new techniques for monitoring nutrients with McMaster University! Prototyping and developing these new tools was supported by the Canada Water Agency and Great Lakes Local Action Fund. [waterrangers.com/erie-rangers](https://waterrangers.com/erie-rangers)



2025 YEAR  
IN REVIEW

# Making tools locally

This year, the team learned a whole new vocabulary: filament, supports, extruder, fill density, print bed, and more. All of it came with learning to use our 3D printer, which is helping us build better products, reduce imports, and make more components locally. Have you seen our 3D printed salt scoop?



2025 YEAR  
IN REVIEW

# Our testkits are made with love

We assemble and customise testkits in Canada. Our social enterprise helps us support more communities and keep tools accessible.

We commit to providing at least 25% of grant-supported testkits to Indigenous and underserved communities. If cost is a barrier, please get in touch.

*Investment for social enterprise non-profits is tougher than it should be. A special shout out to the Thrive Impact Fund and Community Forward Fund for their investment in our store!*

**thrive**  
IMPACT FUND

COMMUNITY  
FORWARD  
FUND 



# BUILDING MONITORING CAPACITY

We build monitoring capacity by supporting training, education, and community-led monitoring programs. Here are just a few highlights.



2025 YEAR  
IN REVIEW



2025 YEAR  
IN REVIEW

# 44,000+

**people trained in water testing!** That's +10,000 from last year!  
We're committed to inspiring the next generation of water protectors. [Explore our new education resources](#)



2025 YEAR  
IN REVIEW

# Supporting educators

We wrapped up our NSERC Promoscience grant in 2025! Thanks to NSERC's support, over the past 3 years, we trained 19,450 youth in water testing, and worked with 1,860 educators! We launched countless free online resources for all to use. [waterrangers.com/educational-resources](https://www.waterrangers.com/educational-resources)



2025 YEAR  
IN REVIEW

Ocean  
Week  
Canada

oceanwee

# Celebrating Ocean Week

One of our major national moments for hands-on water learning and monitoring! We host the Ottawa kickoff and support communities across the country. In 2025, we supported 27 Ocean Week events, helping 2,100 people learn and celebrate! [waterrangers.com/ocean-week-canada-2025](https://waterrangers.com/ocean-week-canada-2025)



# ON THE GROUND WITH COMMUNITIES

We work on the ground (and in the field) with communities to support monitoring that reflects local priorities. Built on trust, long-term relationships, and shared responsibility.



2025 YEAR  
IN REVIEW



2025 YEAR  
IN REVIEW

# Our Lake Erie Rangers

Over 80 Lake Erie Rangers participated in monthly monitoring and road salt blitzes this winter. 2025 activities included wetland and riparian planting events and our 'Keep it Fresh' campaign launch, helping people reduce salting in winter. Learn more at [waterrangers.com/erie-rangers](https://waterrangers.com/erie-rangers)



2025 YEAR  
IN REVIEW

# Thames21 are community science data machines

They only started with our data platform last year, and already collected 31,400 datapoints! They've also combined their data with other sources to create shared dashboards and contributed inspiration to the CaSTCo project. Amazing work bridging community monitoring with action on the Thames!

[data.waterrangers.com/organizations/thames21](https://data.waterrangers.com/organizations/thames21)



2025 YEAR  
IN REVIEW

# Alabama hero

**The most observations by a single user... 146 observations came from Lloyd Moore from Little Lagoon Preservation Society!** Their activities focus on wetland protection, maintaining water quality, enhancing wildlife populations, and preserving recreational opportunities for the community. They also work to unite folks, advocate, and support future scientists with scholarships. [data.waterrangers.com/datasets/little-lagoon-preservation-society](https://data.waterrangers.com/datasets/little-lagoon-preservation-society).

“

Thanks to the support of Water Rangers and Ocean Week Canada, students got hands-on with Water Rangers water quality test kits, exploring the chemistry of their local watershed with the curiosity of young scientists.

Sarah Blenis, Hammond River Angling Association, Nauwigewauk, NB





2025 YEAR  
IN REVIEW

# People powered

Community monitoring only works because people keep showing up for their waters, again and again. **Thank you** to the thousands of volunteers who power this work!



# WITH THANKS

This work is only possible because of the people and organisations who support it.



2025 YEAR  
IN REVIEW



2025 YEAR  
IN REVIEW

# A small & mighty team

Thanks to our full-time staff: Kat, Gabi, Laura, Nik, Kiersten, and Praise; our seasonal staff: David, Ellie, and Emily; our part-time staff: Wil, Phil, Leo, Fiona, and Elena; and our trusted contractors. [More about us](#)



2025 YEAR  
IN REVIEW

A photograph of three people wading in a shallow stream. In the background, a woman in a black long-sleeved shirt and dark pants holds a long-handled net. In the foreground, two young girls in waders are smiling. The water is clear, and the banks are lined with green foliage and trees.

We couldn't do this important work  
without our funders' support.

We're mission-driven organization, and our impact wouldn't be possible without the support of many:

**CANADIAN FUNDERS:** AquaAction, Canada Summer Jobs, Canada Water Agency, Center for Ocean Literacy Collaboration, DataStream, ECO Canada, Government of Ontario, Government of Saskatchewan, NSERC PromoScience, and RBC Foundation.

**UK FUNDERS:** CaSTCo, Surrey County Council, ZERO Guildford, River Wey Trust.

**OUR BOARD OF DIRECTORS:**  
(Canada) Jordan, Katie, Rachel, Mark, Natalie;  
(UK) Alistair, Katie, and Daisy.

**THANKS!** It's been a dam good year!  
See you on the water in 2026.