

Sean Russell

EarthEcho International



## Overview

- Lartificito vvater challenge overview
- → Water Quality Monitoring Resources
- Share Your Data
- Stories of Action
- → Additional Resources



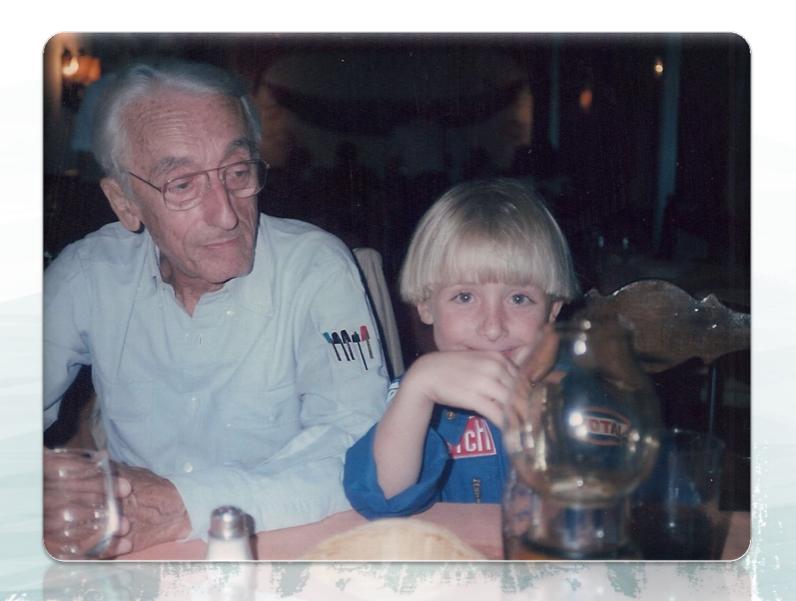


## Who's tuning in?

- N-12 Classicolli Educatol
- → Informal Educator
- University professor
- → Researcher
- Government employee
- → Other







EARTHECHO



26 total private wells now affecte officials say



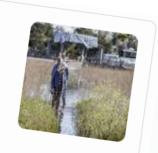
By Beau Minnick

Savannah Morning News

Septic tanks threaten water quality on Georgia's coast as

Septic tanks threaten water quality on Georgia's coast as sea levels rise ...

Lakes, Gulf Coast and West Coast—along with Hawaii and Alaska.





**Hawaii News** 

#### High bacteria counts in 2019

By J<u>essica Else The Garden Island</u> | Tuesday, February 18, 2020, 12:05 a.m.



'Our beaches are filled with poop. This is a recipe for disaster,' water quality activist says











INSPIRING YOUNG
PEOPLE TO ACT NOW
FOR A SUSTAINABLE
FUTURE



## EarthEcho Water Challenge

**Test** 



**Protect** 

Share







## Water Challenge Monitoring Kit

sources (rivers, lakes, streams, bays, etc.), not tap water.

#### 2 types of kits:

- → Basic Kit 1 set of hardware and reagents for 50 tests
- → Classroom Kit 5 sets of hardware and reagents for 50 tests
- Kits test for four key water quality parameters pH,
   Temperature, Turbidity, and Dissolved Oxygen

## **EarthEcho Water Challenge**



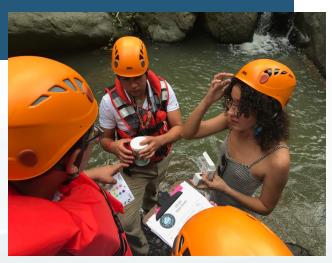
## **EEWC Kit Donation Program**



## **Test**











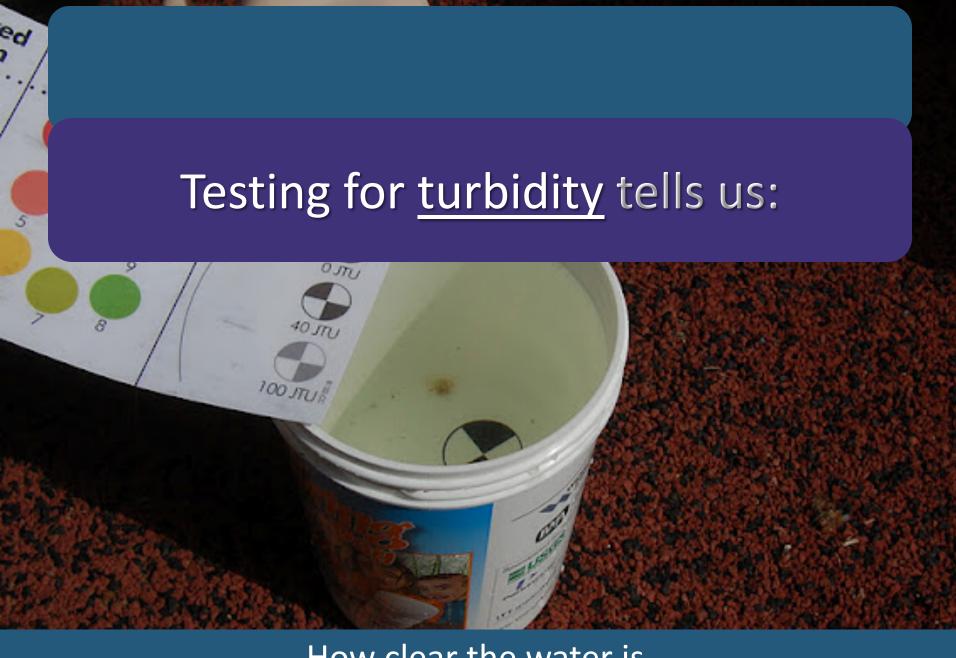




## Testing for temperature tells us:

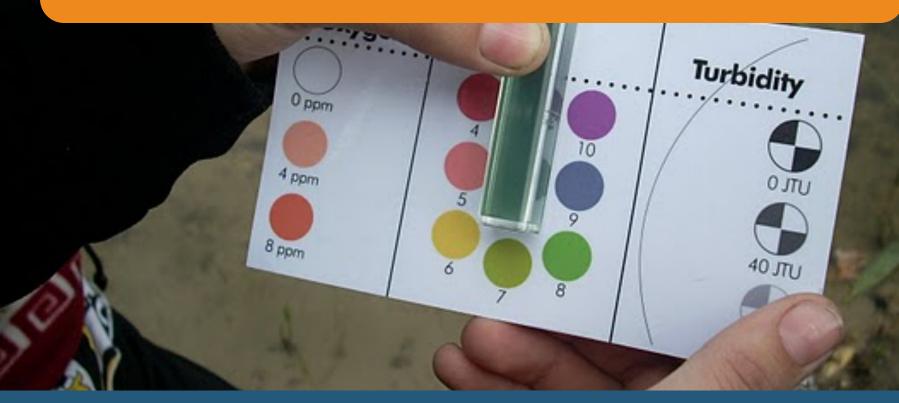


How hot or cold the water is.



How clear the water is.

## Testing for pH tells us:



How acidic or alkaline the water is.

## Testing for dissolved oxygen tells us:



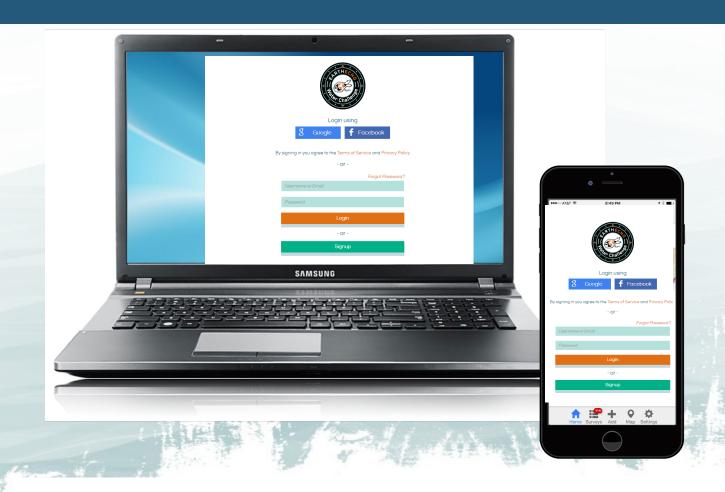
How much oxygen is available in the water.

# Have you conducted water quality monitoring in your community?





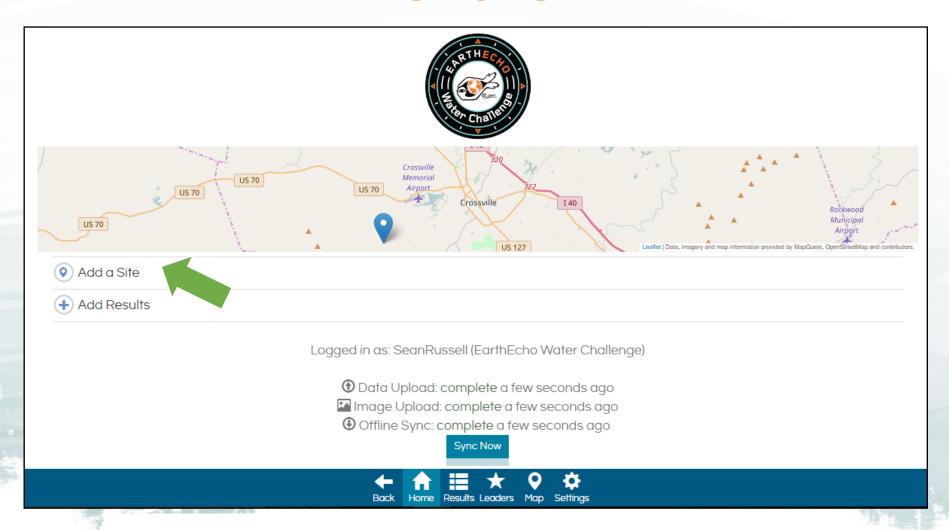
## Log your Monitoring Data



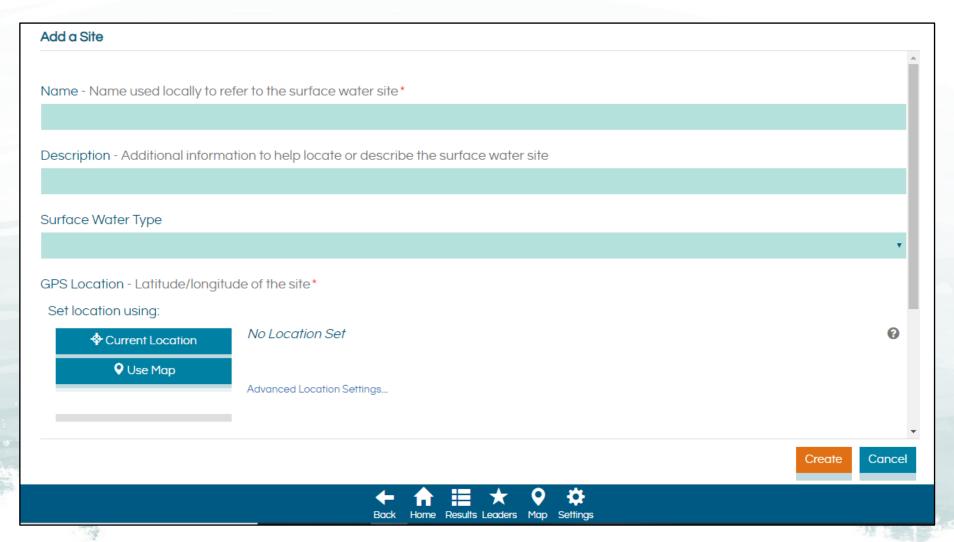
## **Share**



### Share

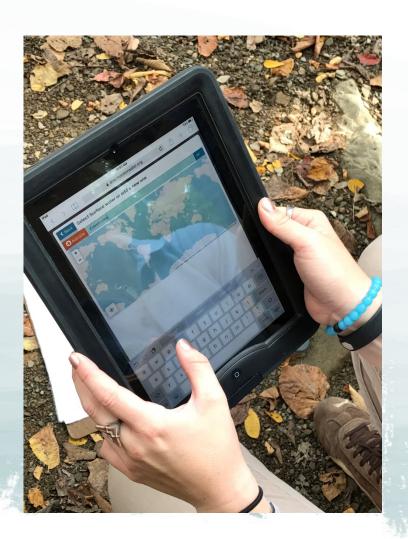


## Share - Add a Site



## Share - Add Results

- → Select your site
- → Date and time of monitoring
- → Number of participants
- → Water Quality Results
- → Environmental Conditions
- Photos/Observations
- Macroinvertebrate data
- Action beyond monitoring

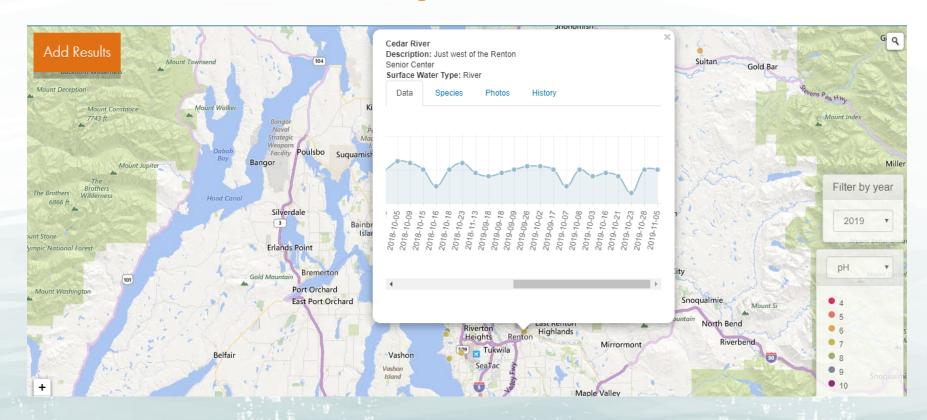


## Share



EARTHECHO

# **Share – Explore the Data**





## **Data Analysis**

- Download full Excel sheets of historical EEWC Data
- Work to analyze/graph data
- Identify trends with current and historical data

Reports	;	
Browse past i	monitoring year reports and d	ata sets
Year	Reports	Data
2017	Page 15 Download	Download
2016	Page 15 Download	Download
2015	Page 15 Download	Download
2014	Page 15 Download	Download
2013	P Download	Download

#### www.monitorwater.org/tools/reports



#### **Share**

#### **Tell Us Your Story!**



#### Connecting Community with Salmon

January 10, 2020

Queen of Peace School students highlight their efforts to raise and release Chinook salmon and their work on the EarthEcho Water Challenge.



#### Improving Water Quality with Mangroves

July 15, 2019

EarthEcho Water Challenge Ambassador Nicolas Lama highlights the importance of improving water health by protecting mangrove ecosystems.



#### Monitoring Water in Yucatan Cenotes

April 10, 2019

Dr. Khristin Landry-Montes shares highlights from InHerit's work to engage Mayan youth in water monitoring in the Yucatan.

#### **#MonitorWater**

#### monitorwater.org/news/submit-story













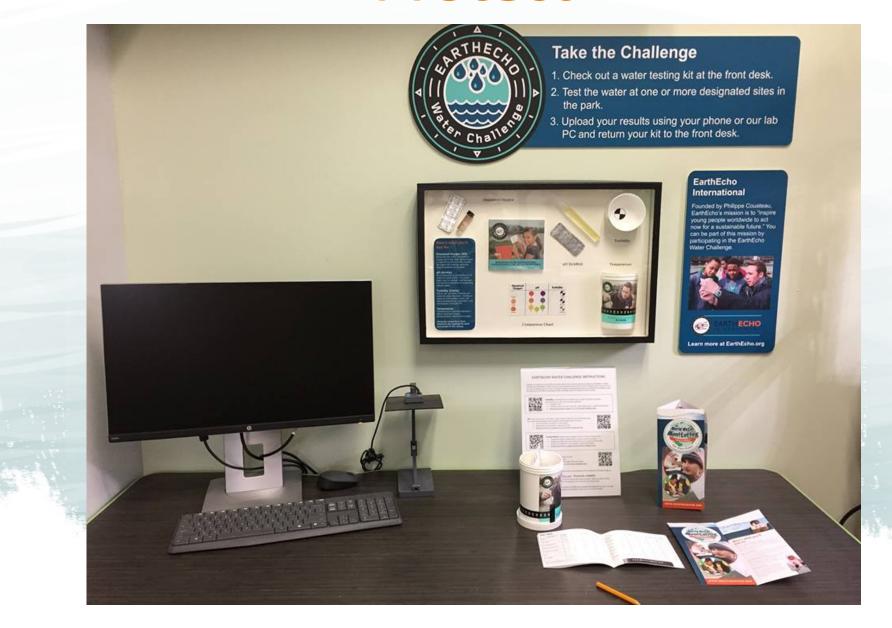


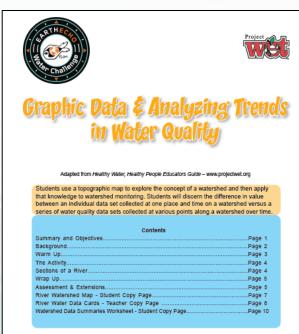


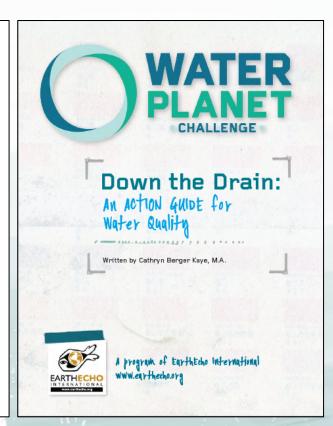














#### www.monitorwater.org/tools



# monitorwater.org/protect



























Please feel free to contact me with any additional questions:

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**Explore our resources:** 

www.earthecho.org www.monitorwater.org @EarthEcho

