

Choose Your Own Adventure

Successful Communication for Adaptive Management

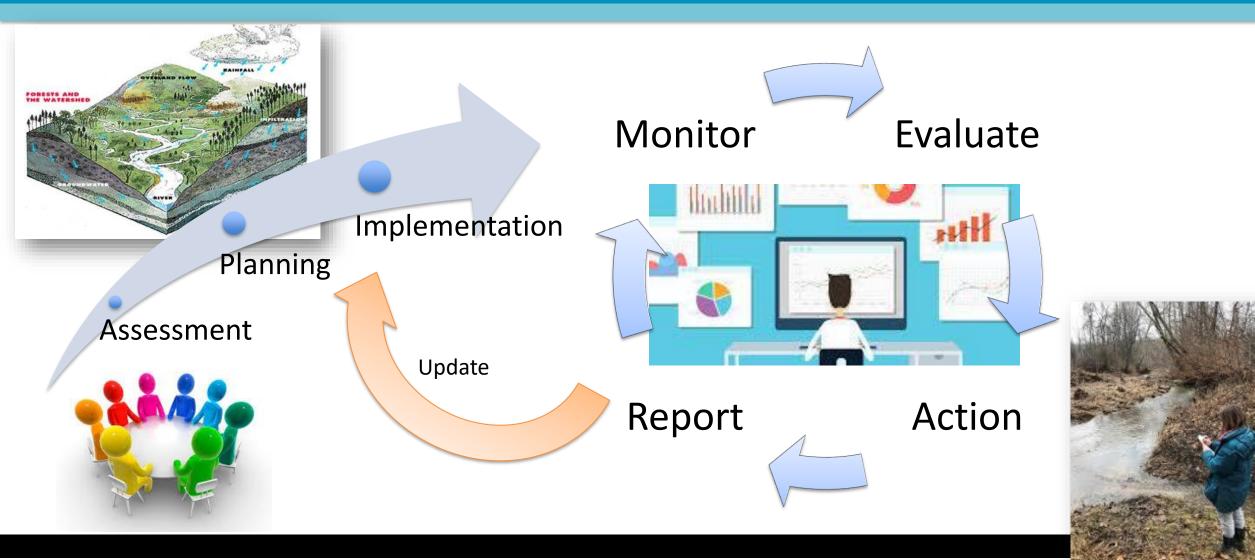
SUCCESSFUL COMMUNICATION FOR ADAPTIVE MANAGEMENT

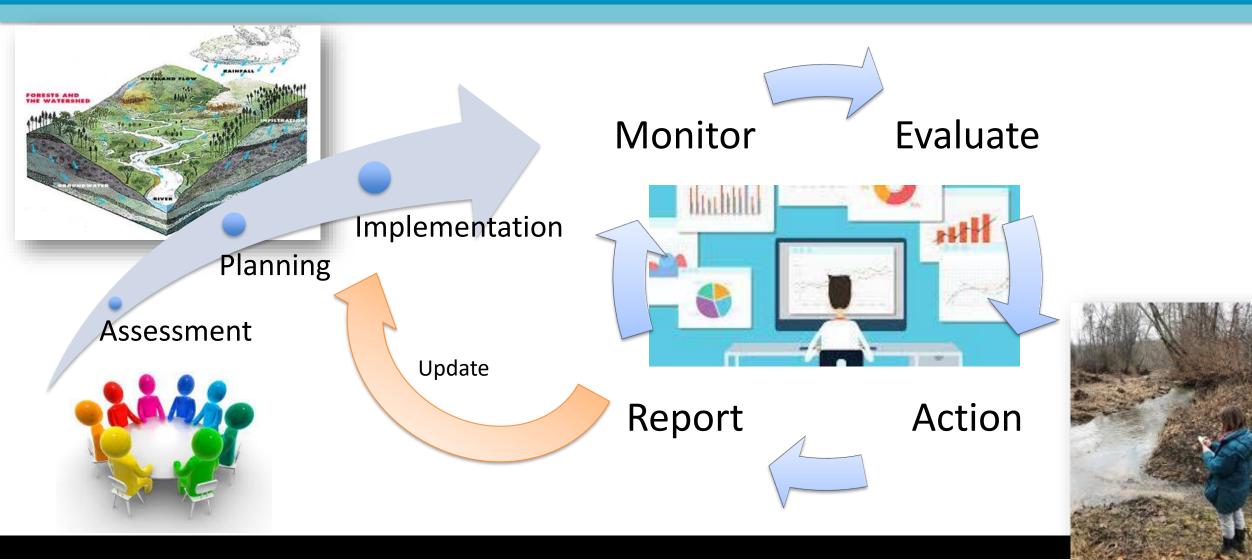


SUCCESSFUL COMMUNICATION FOR ADAPTIVE MANAGEMENT



SUCCESSFUL COMMUNICATION FOR ADAPTIVE MANAGEMENT





Who is Involved?

- Data Scientists
- Environmental Regulators
- Watershed Managers
- Engaged Citizens

What do they need?



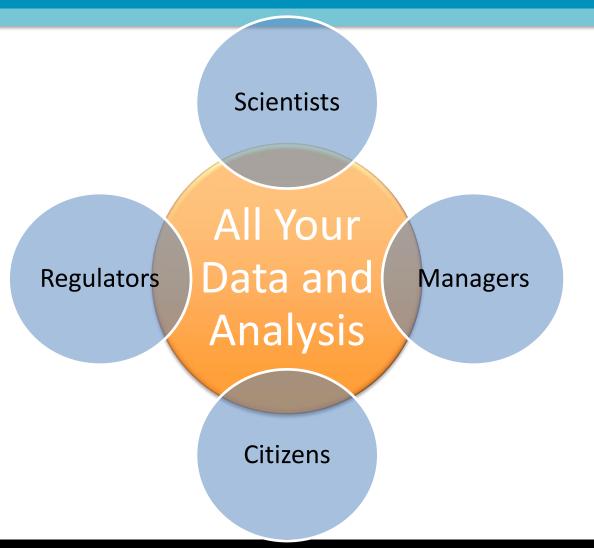




Who is Involved?

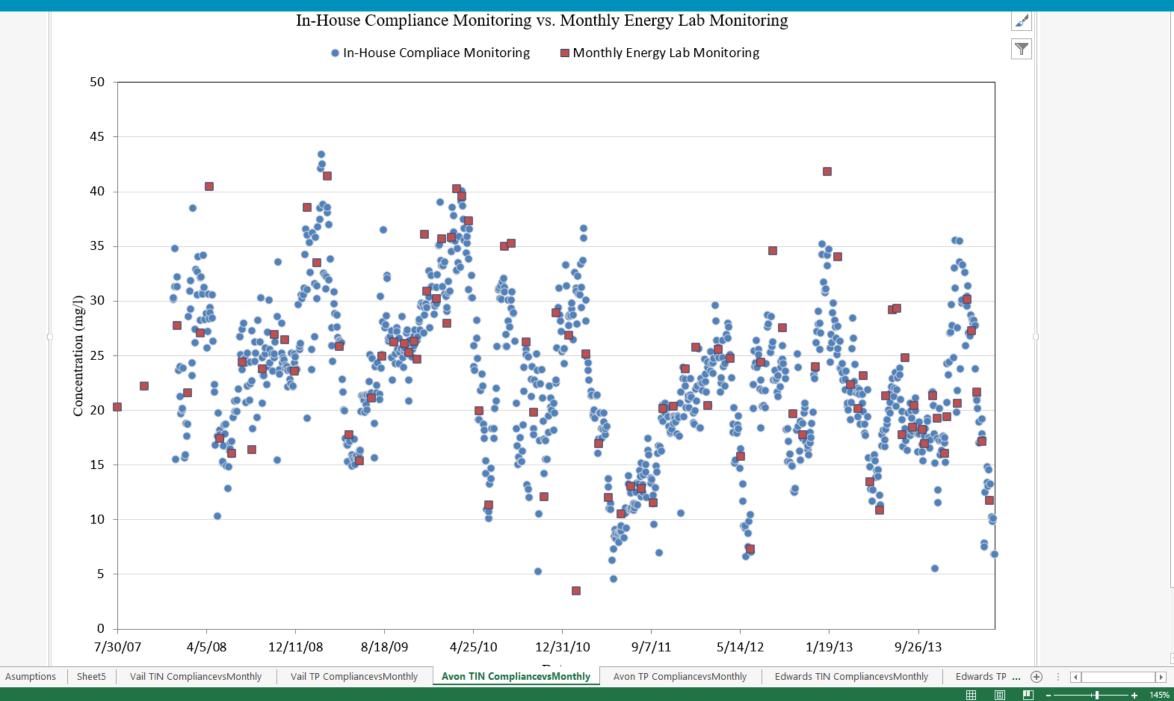
- Scientists
- Regulators
- Watershed Managers
- Interested Citizens

What do they need?



... Where to start?

TABLE TOOLS BTWF Database : Database - G:\My Drive\Projects\BTWF\OneD ? - D ×											
FILE	HOME	CREATE	EXTERNAL DATA D	ATABASE TOOLS	FIELDS TABLE			Kelly Close 🔹 🖸			
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	nstituentG		Tables 🛛 🖻 «	🔲 Data 🗗 Qu					X		
	nstituents		ConstituentD	GL-ATW	FirstOfStationDescri Grand Lake near West Portal of		Date - 9/20/2010	ConstituentName - Hardness (CaCO3) (mg/L)	FirstOfValue → All All All All All All All All All A		
Dat			ConstituentG	GL-ATW	Grand Lake near West Portal of	Adams Tunnel	9/20/2010	Mg (mg/L)	1.43		
E Flag	gReplicateID		Constituents	GL-ATW GL-ATW	Grand Lake near West Portal of Grand Lake near West Portal of			Mn Dis (ug/L) N Total as N (mg/L)	3.17		
🔲 Flag	gs		ConstituentS	GL-ATW	Grand Lake near West Portal of			NH3 as N (mg/L)	0.005		
🛄 Lab	oMethods		FlagReplicateID	GL-ATW	Grand Lake near West Portal of			NO3 + NO2 as N (mg/L)	0.002		
🛄 Lab	os			GL-ATW GL-ATW	Grand Lake near West Portal of Grand Lake near West Portal of			Organic Nitrogen, Total (Ortho P as P (mg/L)	0.37		
	cationTypes		LabMethods	GL-ATW	Grand Lake near West Portal of			P Total (mg/L)	0.021		
	onitoringPr		Labs	GL-ATW	Grand Lake near West Portal of		9/20/2010		8.3		
	mplers		LocationTypes	GL-ATW	Grand Lake near West Portal of			SpCond (uS/cm)	57		
	mpleTypes		MonitoringPr	GL-ATW	Grand Lake near West Portal of			Temp (Deg C)	13.4		
🛄 Stat	tions		Samplers	GL-ATW GL-ATW	Grand Lake near West Portal of Grand Lake near West Portal of			TKN as N (mg/L) TOC (mg/L)	0.371 4.01		
			SampleTypes	GL-ATW	Grand Lake near West Portal of			Transparency	140		
			Stations	GL-ATW	Grand Lake near West Portal of			Ag Dis (ug/L)	-0.008		
		Record: I		GL-ATW	Grand Lake near West Portal of	Adams Tunnel	10/28/2010	Alk Total Dis (mg/L)	19		
Datasheet View				GL-ATW	Grand Lake near West Portal of	Adams Tunnel	10/28/2010	Ammonia (NH3 + NH4+)	0.003		
				GL-ATW	Grand Lake near West Portal of	Adams Tunnel	10/28/2010	As Dis (ug/L)	0.21		
				Record: I 🖂 1 of	152502 🕨 🕨 🛤 🧏 No Filter Se	arch	/ /				



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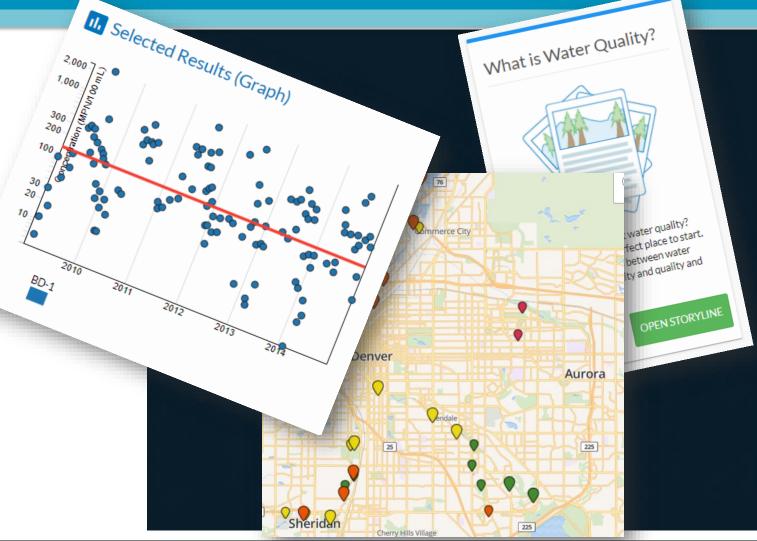
GET THE DATA OUT THERE...

- Printed Reports
- Data Portals
- Web Portals
- Web Analytics...

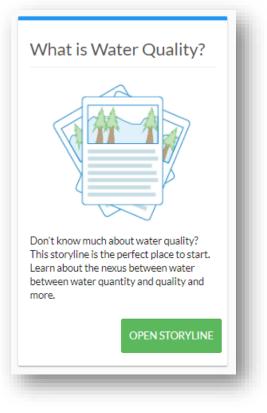


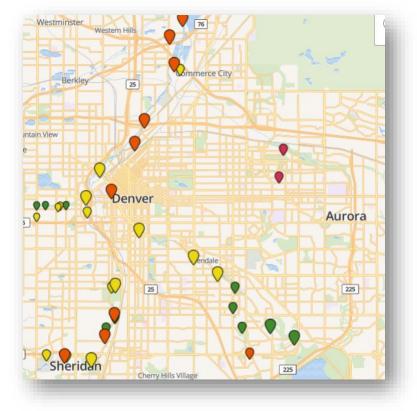
DATA PORTALS, WEB MAPS AND INTERACTIVE ANALYTICS... OH MY.

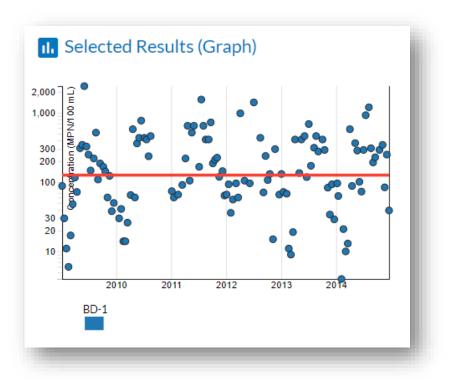
Balancing "Open-Endedness" with "Usability"



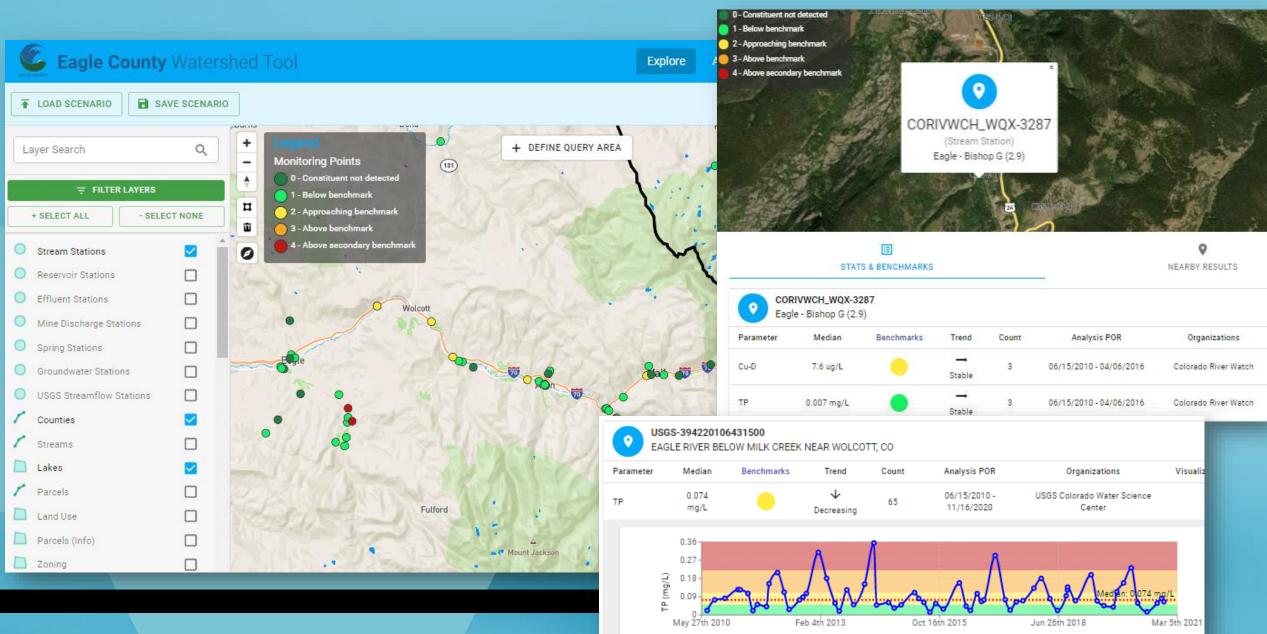
CHOOSE YOUR OWN ADVENTURE!



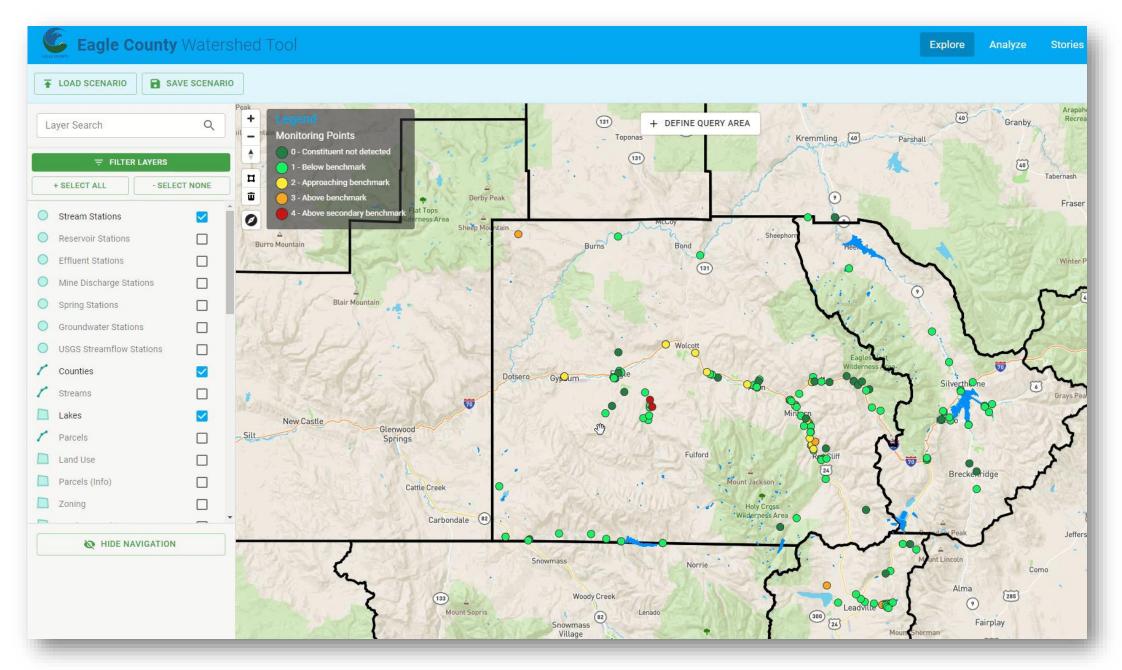




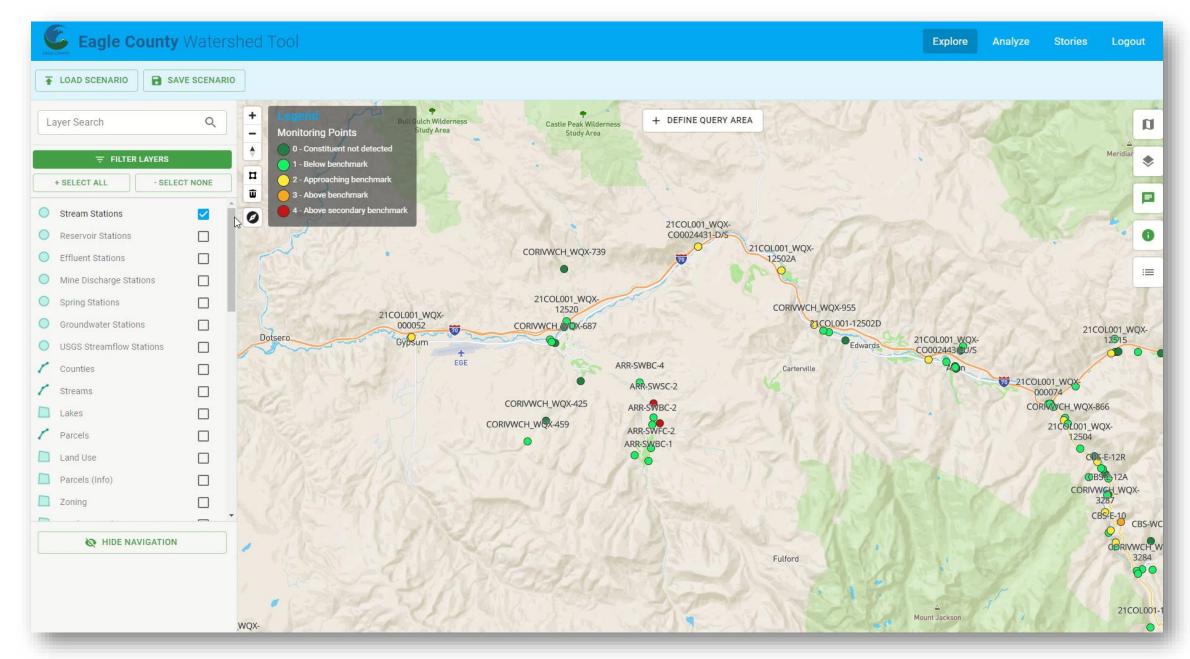
EAGLE COUNTY WATERSHED TOOL



Eagle County Watershed Tool



Eagle County Watershed Tool



DENVER METRO WATER QUALITY ASSESSMENT TOOL

http://www.exploremetrodenverwaterquality.org/



Welcome to the Water Quality Assessment Tool!

STORYLINE

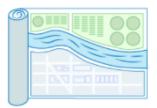
Learn more about water quality by exploring the storyline. Each storyline contains a wealth of resources and illustrations. Subjects range from an overview of water quality to nutrients. MAP

Map

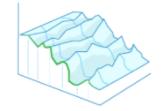
Data

Storyline

Home



Explore spatial trends in water quality data across the Denver Metro Area. Use the interactive map to examine water quality by monitoring location or river reach. DATA



Take a deep dive into water quality data for the Denver Metro Area. Explore available data through a variety of data visualizations or download the data for your own use.

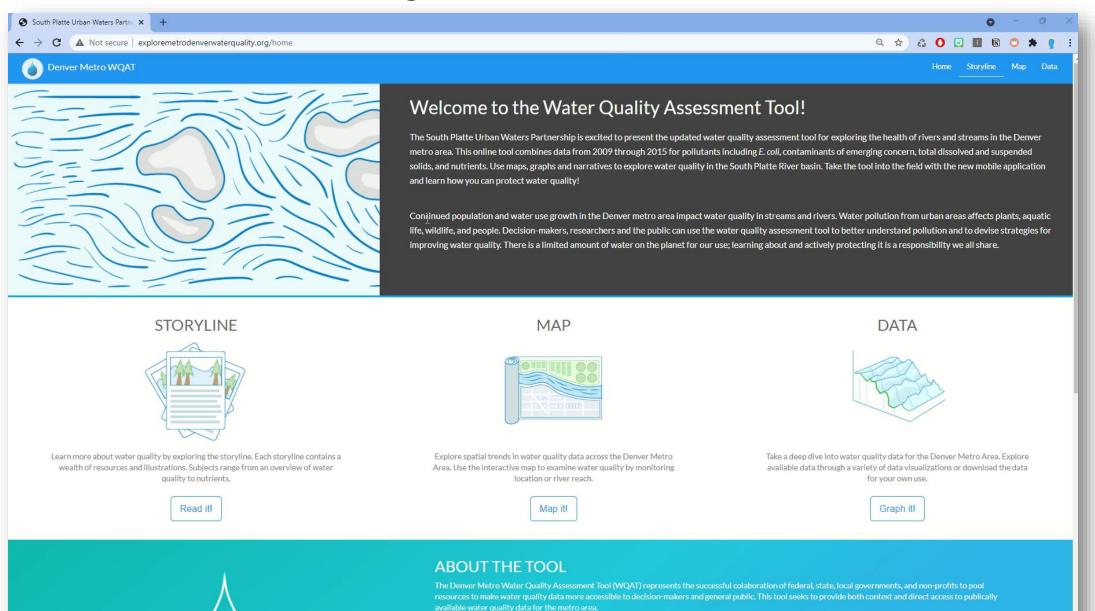






http://www.exploremetrodenverwaterquality.org/

Denver Metro Water Quality Assessment Tool



his tool represents a snapshot of conditions for the metro area between 2009 and 2015 for a variety of water quality parameters including E. coli, contaminants c

CHERRY CREEK BASIN WATER QUALITY PORTAL

https://ccbwqportal.org/

Cherry Creek Basin Water Quality Data Portal

HOME MAPS ANNUAL REPORTS



Explore through

Choose from a va

graphics ranging from simple time series displays to in-depth analysis layouts, designed tell a specific story about water quality in the basin. The interactive charts these pages pull directly from the Authority's comprehensive water quality database and represent the best data available at this point in time.



2020 Report

PLANNING

Planning Overview

CCBWQA does two general types of planning:

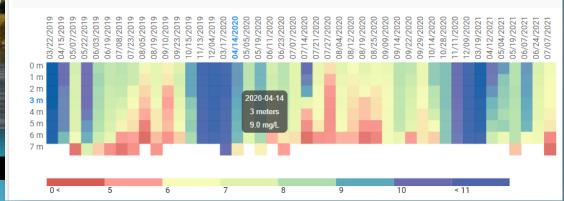
- 1. Strategic planning related to its mission and goals and
- Specific project planning for pollution abatement projects.

Vision

The objective of the Federal Clean Water Act* is to

II Depth Profile Viewer

Start Date	End Date	Location	Parameter	
01/01/2019	12/31/2021	CCR2 - Cherry Cree	k Reservoi 🐱 Dissolved Oxygen	~



Cherry Creek Basin Water Quality Portal

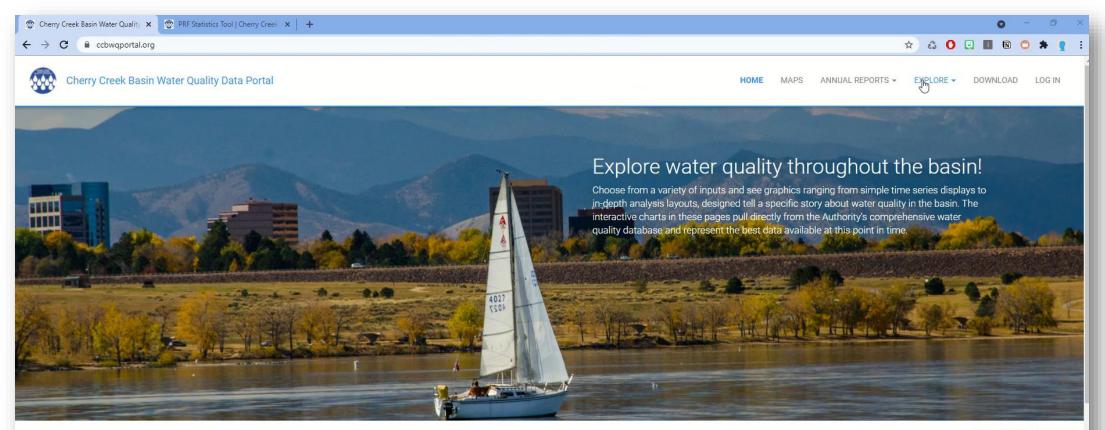


Photo Credit: Cathy McCray

About the portal

This portal provides access to water quality data throughout the Cherry Creek Basin, some of which can be explored through a variety of interactive graphs. While you do not need to log-in to explore the data, explorers who want to download data need to set-up an account: click on Sign Up in the menu bar for details. The data on this site may not have received quality assurance review and its accuracy cannot be guaranteed. Further, the data is subject to change or modification at any time by the Cherry Creek Basin Water Quality Authority. If you have questions, please contact Chuck Reid at 303.968.9098 or at chuck.reid@ccbwqa.org.

Ways to explore the basin

- Visualize DataCompare changes over time
- Discover relationships
- 🛃 🛛 Download Data

Questions?

Kelly Close Kelly.close@lrewater.com



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