

## DID YOU KNOW MOST STREAMS DO NOT HAVE FLOWING WATER YEAR ROUND?



Mill Creek, Fort Collins, CO in May 2016 (left) and in June 2016 (right)

Streams that do not flow year round are intermittent streams. We appreciate these streams when they are flowing and tend to overlook them when they are dry. Historically, most stream monitoring has focused on larger streams that flow continuously. We have surprisingly little information on intermittent streams despite ~70% of streams globally are mapped as intermittent.

## WHAT IS STREAM TRACKER?

Stream Tracker aims to improve mapping and monitoring of intermittent streams by combining:

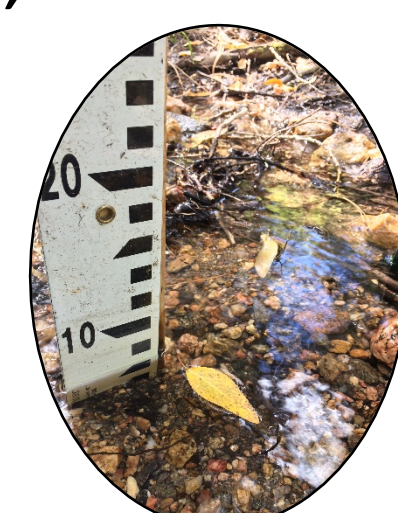


Crowd-sourced observations of streamflow presence or absence,

In-stream flow sensors, and



Satellite and aerial imagery,



to track when and where streams flow.

## HOW TO STREAM TRACK

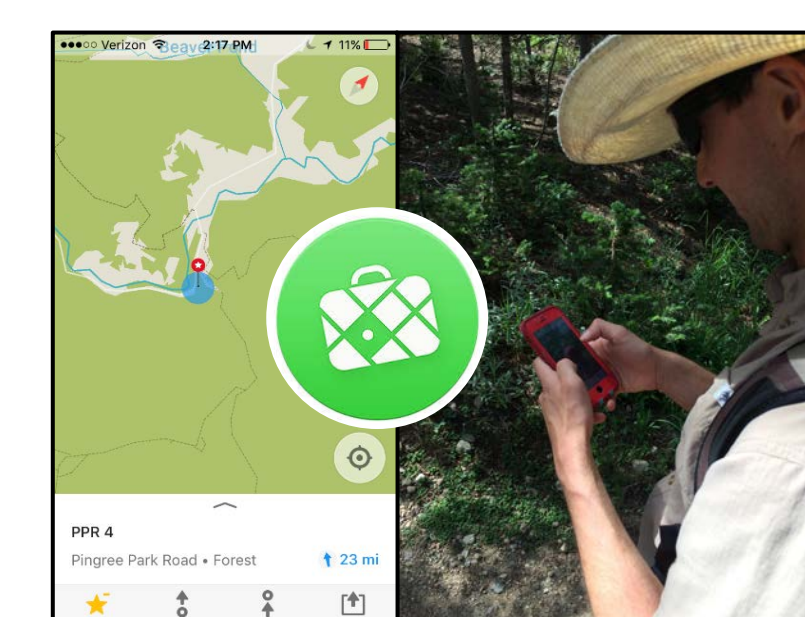
### JOIN



Become a member of the project by creating an account on CitSci.org and clicking to join Stream Tracker. From the project page, members can view data and submit their field observations.

### NAVIGATE

Use a free mobile application on your phone or a handheld GPS to navigate to Stream Tracker sites where streams cross roads or trails. You can also establish new Stream Tracker sites on any stream that has a defined, recognizable channel.

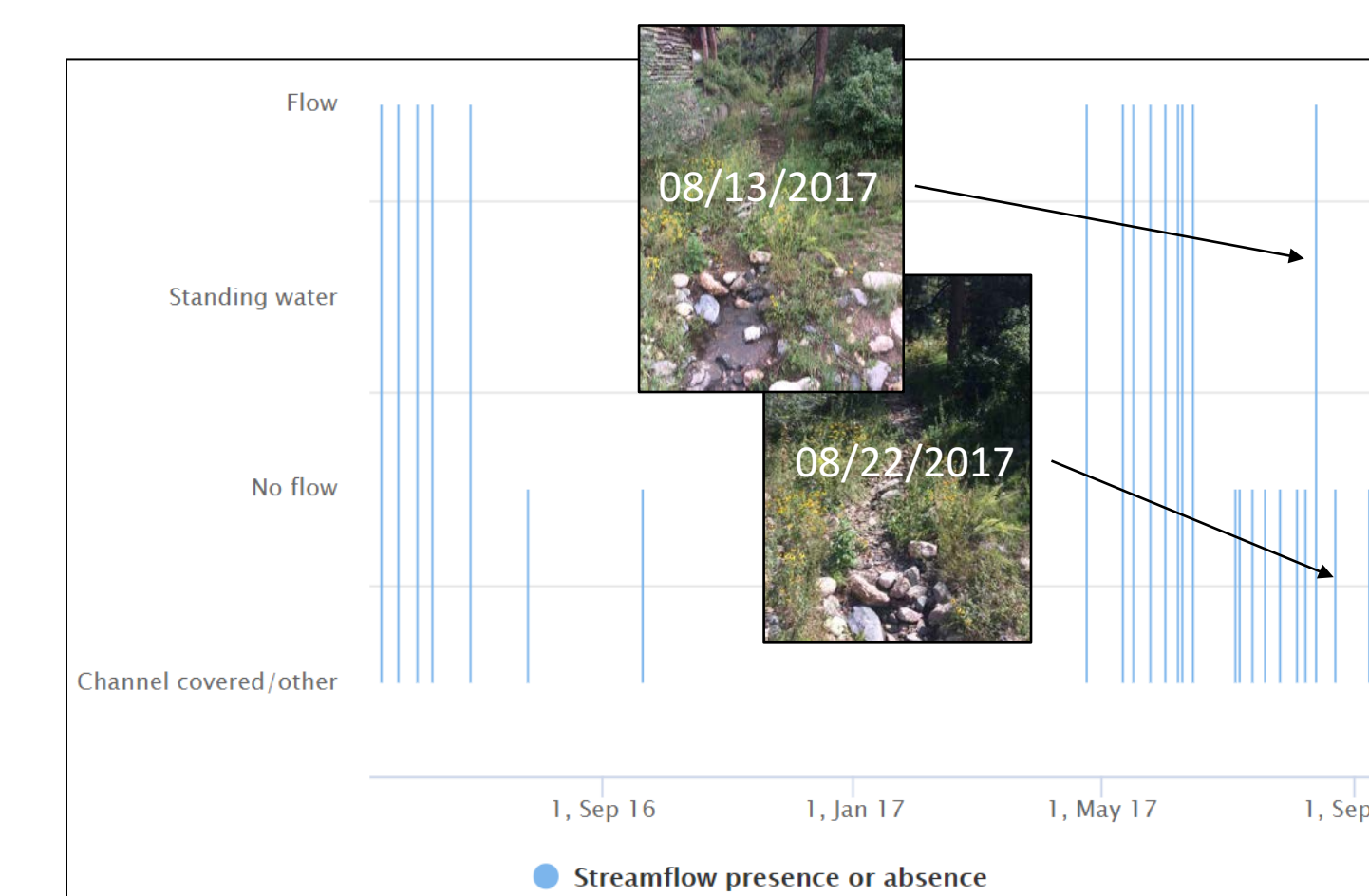


### RECORD



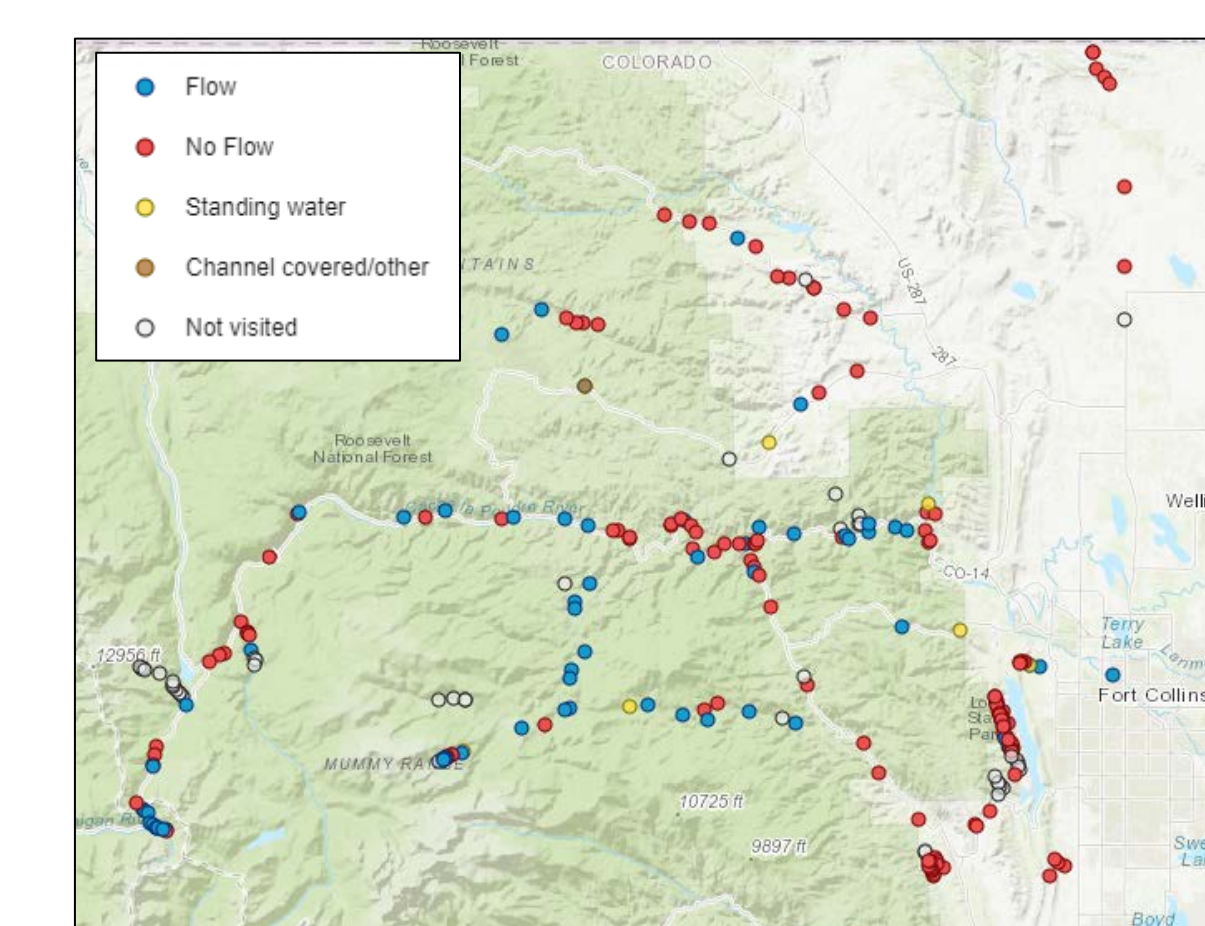
Record streamflow presence or absence using the free CitSci.org mobile application or a paper datasheet. Once out of the field, the observations can be uploaded to the project site on CitSci.org.

## TRACKING CHANGE IN FLOW OVER TIME



Data record on CitSci.org for a Stream Tracker site from 2016-present.

Mapped flow conditions in September, 2017 of Stream Tracker sites in northern Colorado



## A PROJECT FOR ALL

### Education

Making simple, rapid observations of streamflow presence or absence is an opportunity to engage the community and increase awareness of the changing hydrologic conditions in their watersheds.



### Watershed management

Baseline streamflow data collected by Stream Tracker participants can aid in identifying critical aquatic habits, mapping change over time following disturbance, and forecasting water supply.

