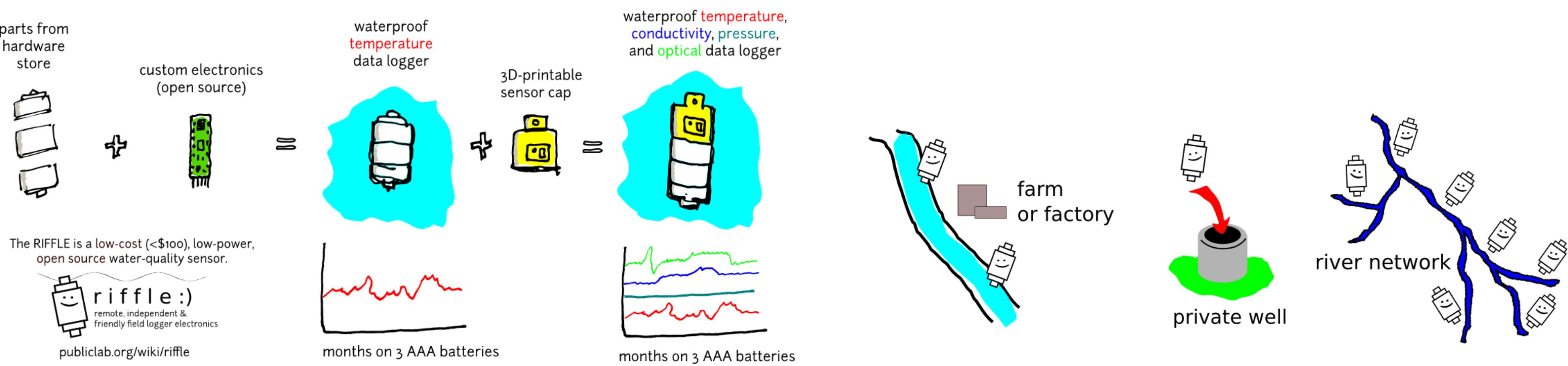


A simple DIY water monitoring device by Public Lab
www.openwaterproject.io



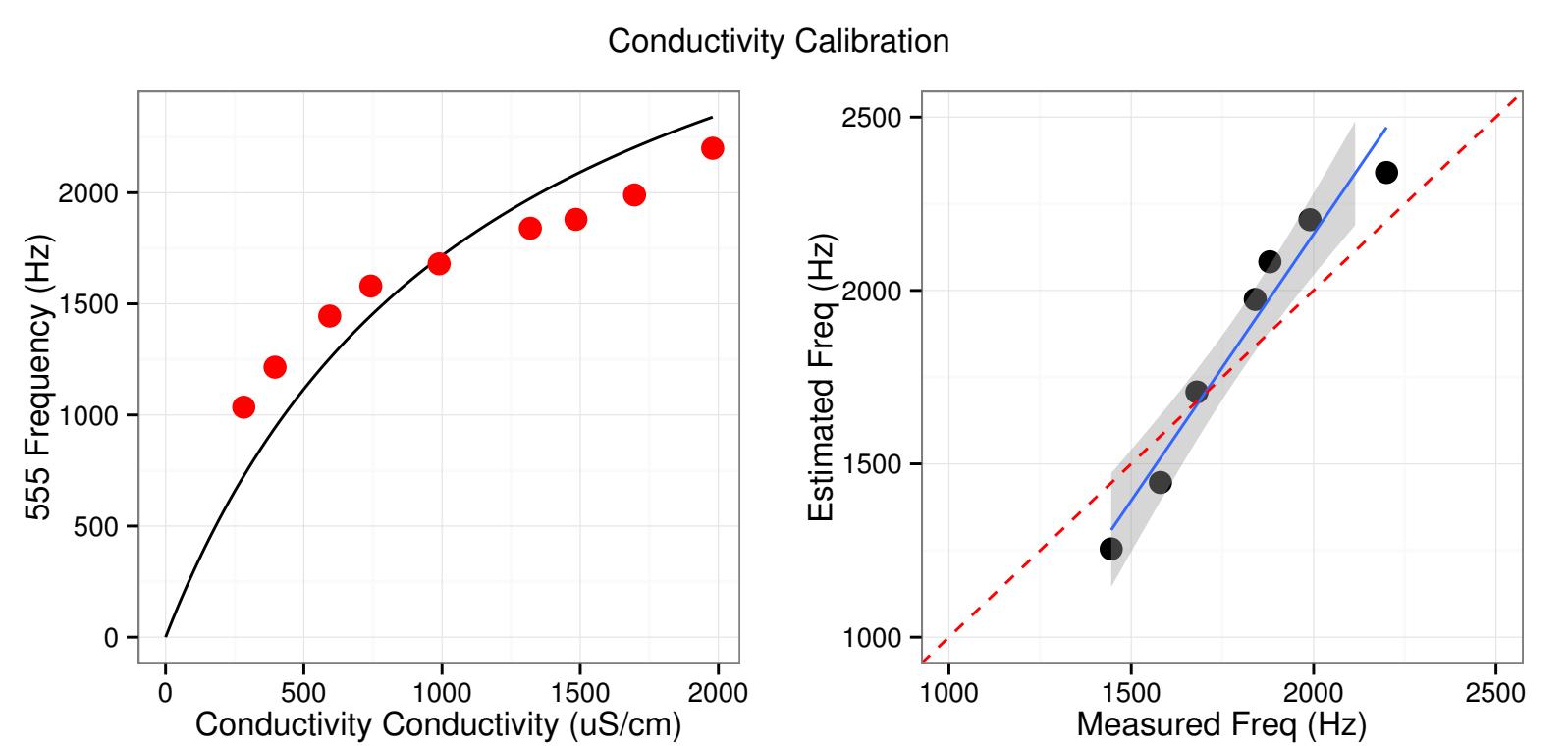
AN OPEN SOURCE, LOW-COST KIT FOR WATER QUALITY MONITORING...

... THAT USES ACCESSIBLE MATERIALS & PLAIN TEXT OUTPUT TO IDENTIFY WATER QUALITY IRREGULARITIES

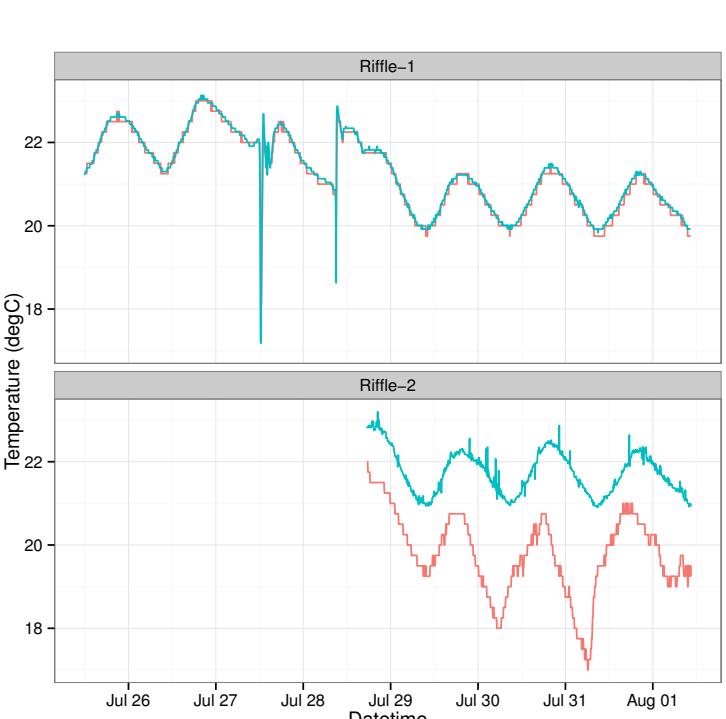


CURRENTLY MEASURES TEMPERATURE, CONDUCTIVITY, AND LIGHT LEVEL FOR ~ \$100 USD ... FUTURE PLANNED FEATURES INCLUDE TURBIDITY AND DEPTH ... LOW-POWER WIRELESS DATA TRANSMISSION

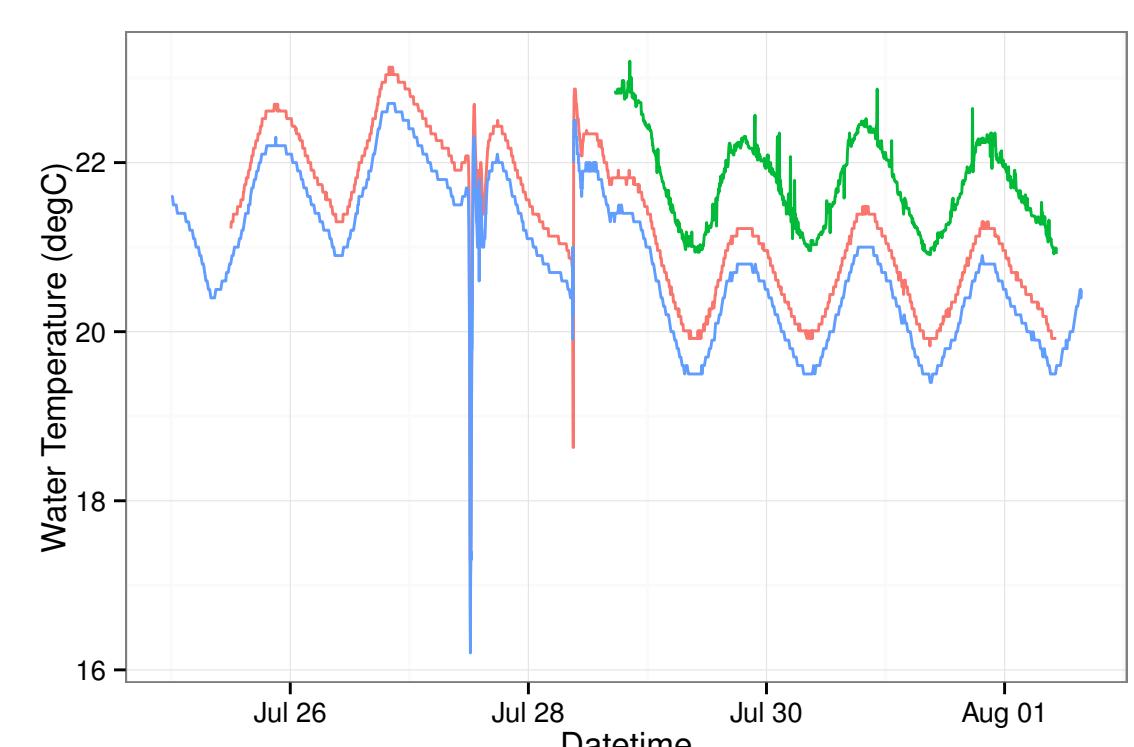
1ST TRIAL: JULY 28 - AUG 1, AT USGS 01104455 STONY BROOK NEAR WALTHAM, MA:



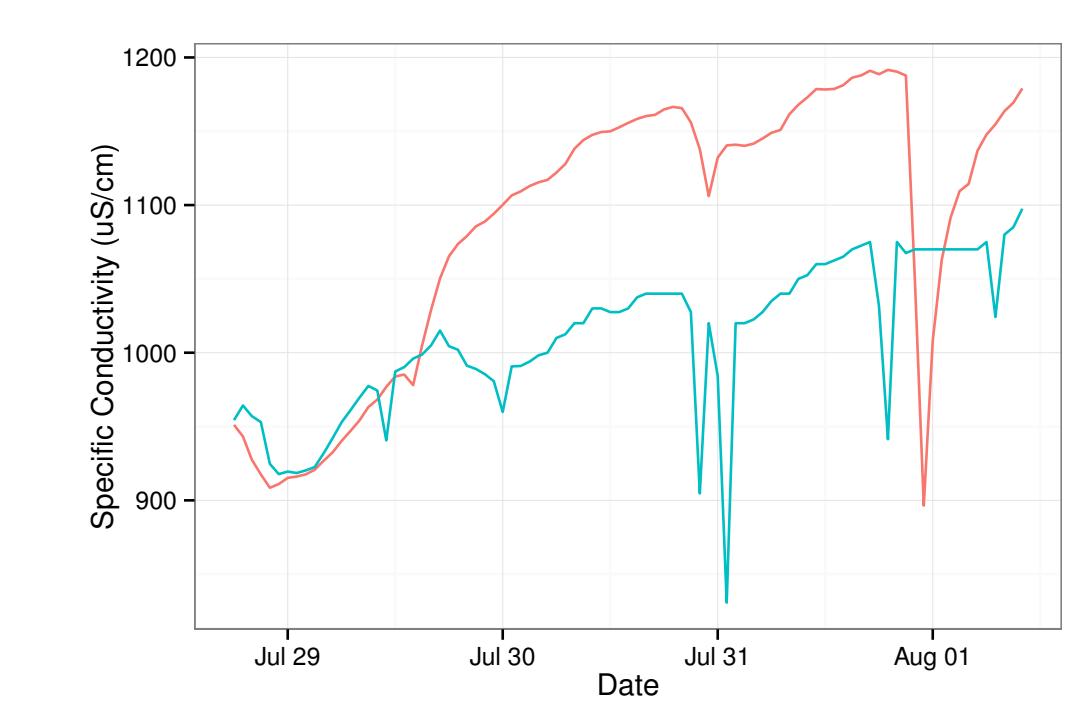
The conductivity sensor is calibrated at home using homemade solutions of table salt and water



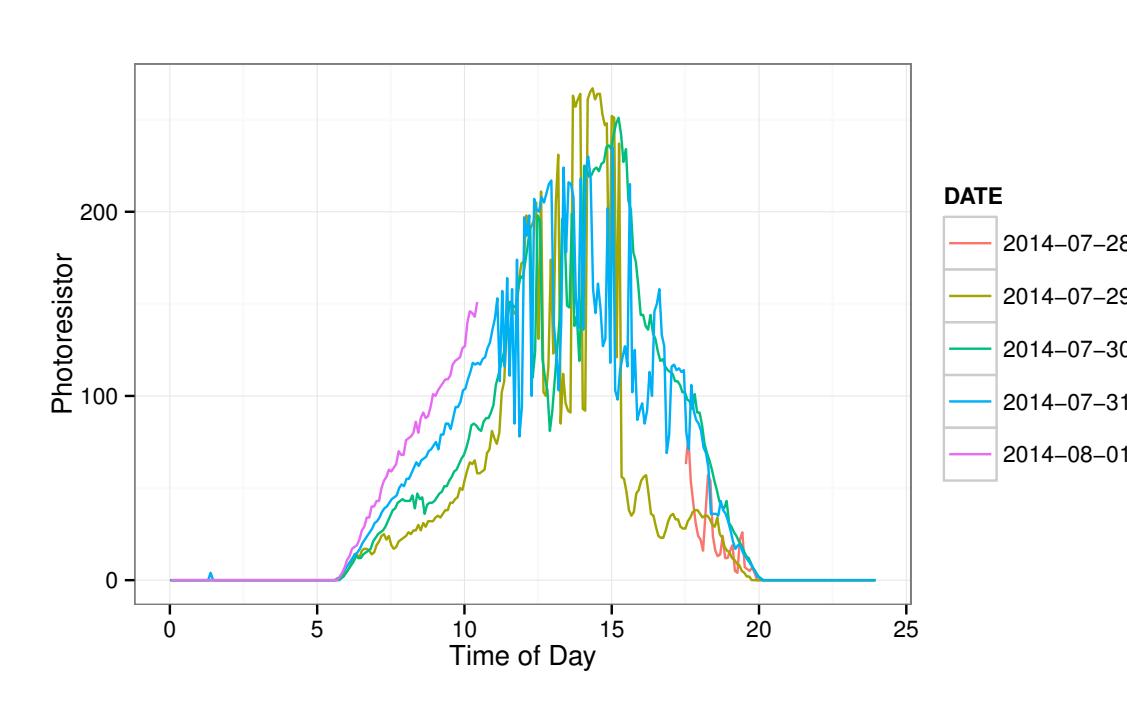
Redundant on-board temp sensors can detect mis-calibration



Temperature probes track USGS data



Conductivity measurement shows promise (needs further work)



Light sensor tracks diurnal cycle

Please join our community and help us to develop these tools.
<http://openwaterproject.io>

The Open Water Project is an initiative of Public Lab, a non-profit community that applies an open source, DIY ethos to grassroots environmental investigation.

