

# Utah Water Watch

- Utah's citizen water quality monitoring program
- Partnership between USU Water Quality Extension and Utah Division of Water Quality
- Started in 2012
- Tier 1 monitoring expanded to over 150 active monitoring locations around the state.
- Network of over 200 volunteers participating in a variety of monitoring.



# Tier 1 Monitoring – Entry Level Monitoring

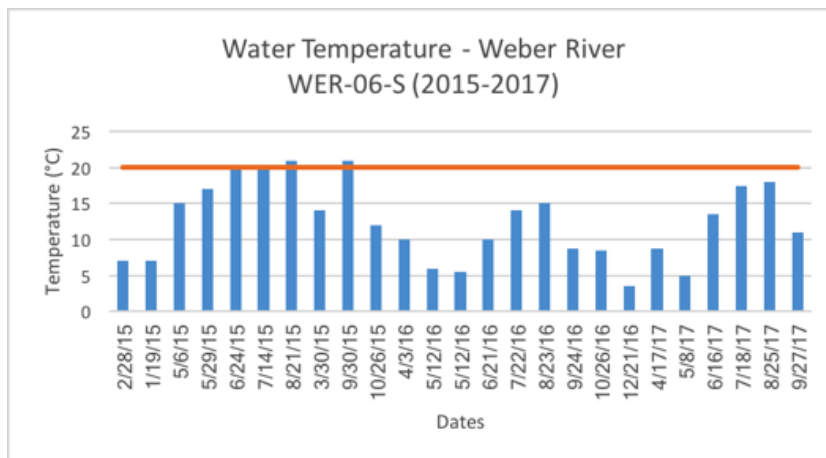
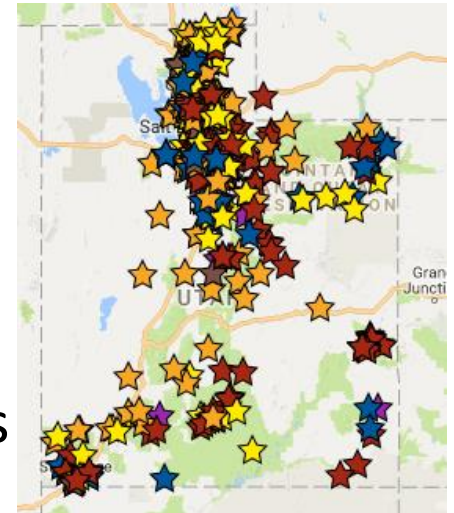


- Encourage water quality education and stewardship
- Provide understanding of watersheds, water quality and monitoring needs
- Collection of baseline data, capture issues.
- Create statewide network of volunteers
- Participation by wide range of citizens, students, retirees, teachers, families



# Tier 1 monitoring

- Monitor rivers, streams, lakes and reservoirs
- Data collected using simple tools
- Water Temperature, pH, dissolved oxygen, turbidity, secchi depth and *E. coli*
- Collect information about community fisheries and potential harmful algal blooms



# Tier 2 Monitoring – Advanced monitoring

- Assist with collection of credible data
- Trained following Utah DWQ SOPs
- Volunteers may help with:
  - Calibration and use of probes
  - Collection and handling of water quality samples
  - Stream flow / discharge
  - *E. coli* IDEXX sampling
  - Macroinvertebrate sampling
  - Photo point monitoring
  - Other physical measurements (e.g. Pebble counts, cross sections)



# How are Tier 2 volunteers assisting?

- 46 trained volunteers around the state
- Assist as a second person on monitoring runs with watershed coordinators and other agencies
- Collect pre and post project data as needed (i.e. macroinvertebrates, substrate data, photo points)
- Use available multi-meters to help collect extra field data (temperature, conductivity, pH, dissolved oxygen)
- Collect E. coli data at popular recreation locations
- Calibrate and maintain equipment at long term monitoring station

