Citizen Science and Technology: There's An App For That, and That...and That Too!

How Arizona Partners With Volunteers and Leverages Technology



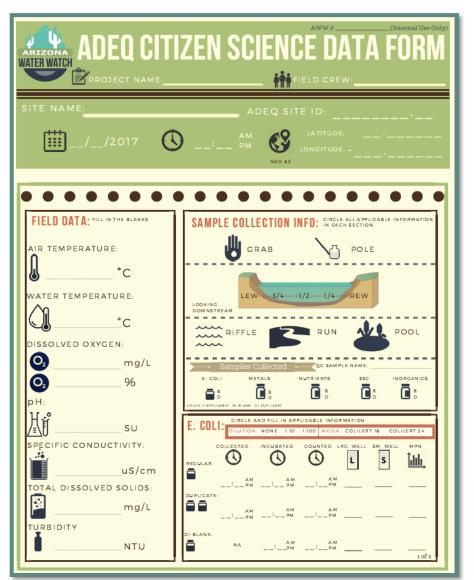
Meghan Smart Senior Scientist March 16th, 2021



Citizen Science- Arizona Water Watch



Visually Friendly Field Forms



Processing Tools



Micro-video Lessons





- KAB Grant
- · Targeting Oak Creek Canyon
- Health Habits





- Ambient
- · Impaired Water
- Data Gaps
- BMP Effectiveness
- Intermittent Streams
- MS4 Stormwater Permit
- Waters of Arizona







- Pollution Identification
- Intermittent Streams Ephemeral Streams
 - Storm Sampling





- Rio de Flag
- Agua Fria
- Scistarter & libraries

Butcher Jones

Slide Rock State Park





Pollution Identification



AWW APP

- 1st App Made in House
- Survey123 Highlighted
- Coding Shared
- Flow Regime Updated Designated Uses
- Harmful Algalblooms

· k9 Sewage Sniffing Dogs

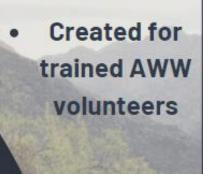
· Ship and Sniff



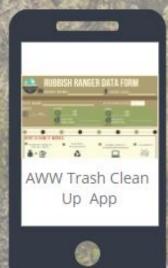
Arizona Water Watch Apps



Created for general public



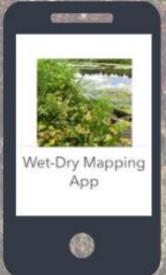




Trash Clean Up
COMING SOON!

• Created for general public

Created for video trained volunteers



Questions?







Meghan Smart

Citizen Science Coordinator 602-771-4506 Smart.meghan@azdeq.gov

Arizona Water Watch Website:

http://www.azdeq.gov/programs/azww