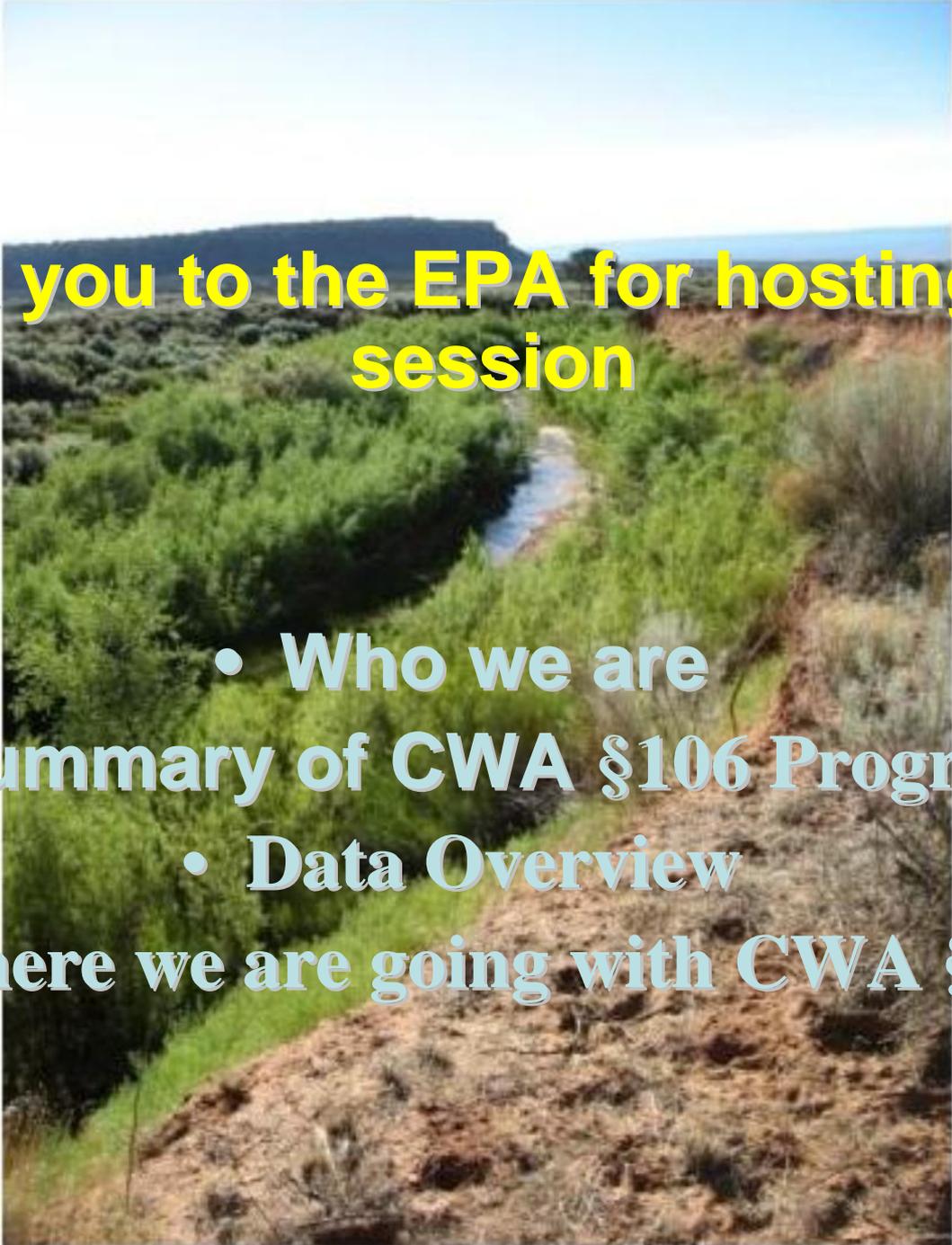


Kaibab Band of Paiute Indians

CWA §106 and §319

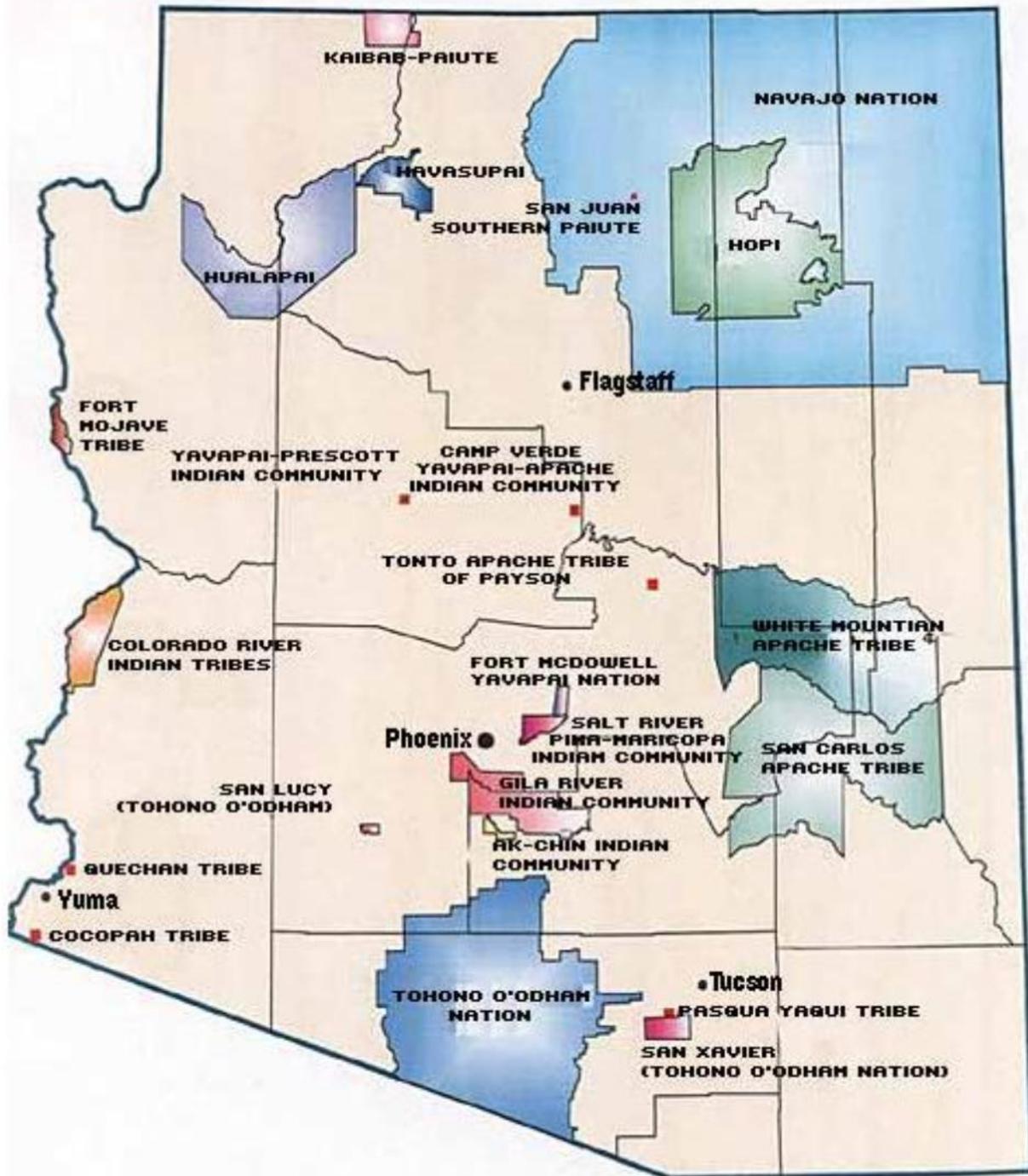
Sarah Burger
Water Quality Specialist
Kaibab Band of Paiute Indians
National Water Quality Monitoring Council Conference
Tribal Session
April 26, 2010





Thank you to the EPA for hosting this session

- **Who we are**
- **Summary of CWA §106 Program**
 - **Data Overview**
- **Where we are going with CWA §319**



Kaibab Band of Paiute Indians

- **120,840-acre reservation spans semi-arid to alpine lands**
- **Elevation ranges from 4,400 to 7,058 feet**
- **The Reservation population is about 170, tribal and non-tribal**
- **There are about 300 enrolled tribal members**
- **Most of the reservation land is undeveloped and used for cattle and horse livestock grazing**

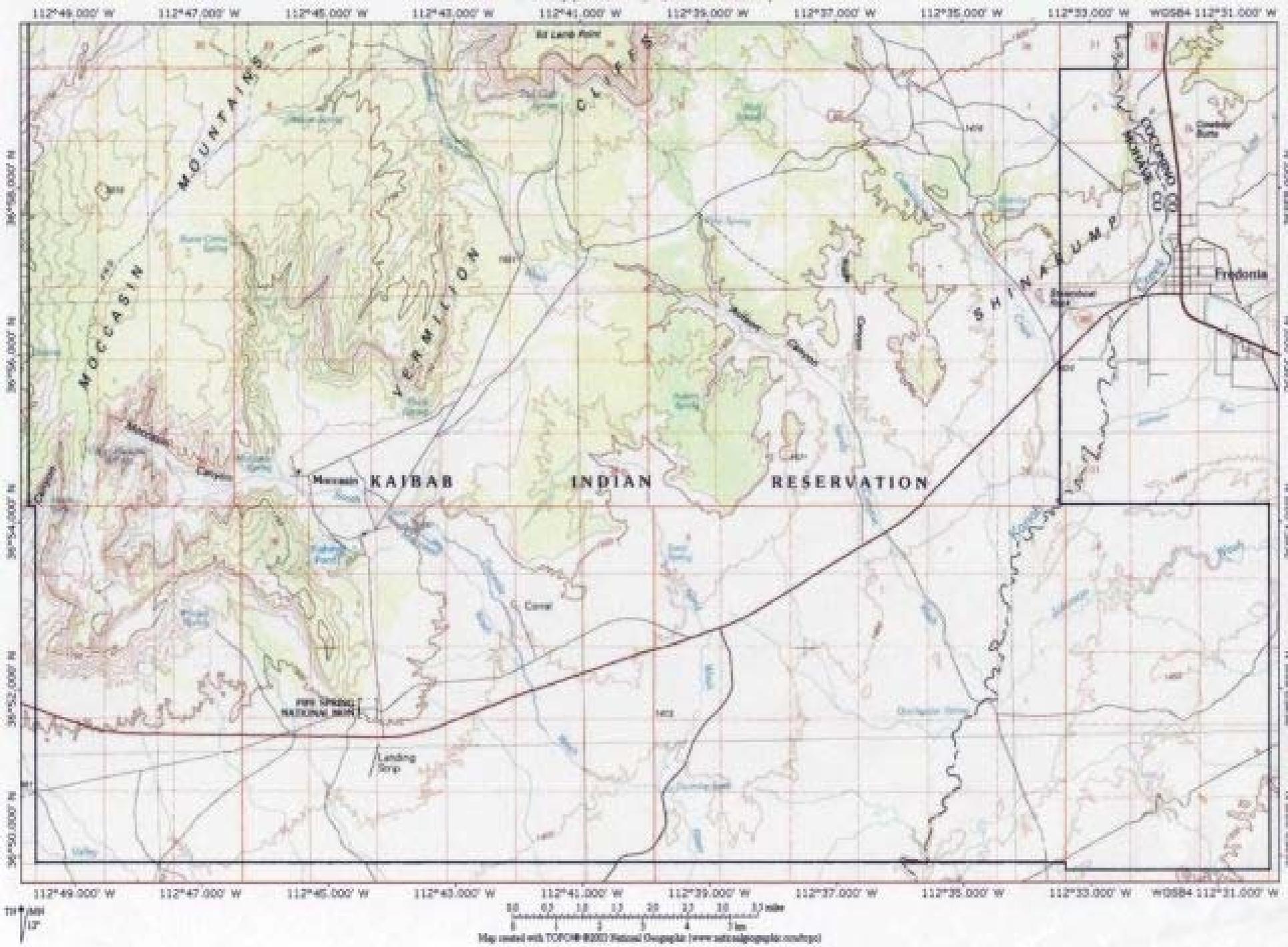


Clean Water Act §106

- **Tribe received the grant in 2004**
- **Sarah was hired and began work November 2004**
- **Quality Assurance Project Plan approved by the U.S. EPA on February 8, 2006, and the Kaibab Paiute Tribal Council on March 27, 2006**
- **Data collection began February 2006**

Monitoring Locations

- **Fishing Pond: FP1, FP2, FP3, FPBox**
 - **Moccasin Spring: MS1**
 - **Moccasin Wash: MW1**
 - **Point Spring: PS1, PS2**
 - **Wolf Spring: WS1**
 - **Cottonwood Spring: CS1**
 - **Sixmile Spring: SM1**
 - **Kanab Creek: KC1**



Parameters

- **Temperature, pH, Dissolved Oxygen, Turbidity, Conductivity**
- **Nutrients: Ammonia, TKN, Nitrate+Nitrite, Total Phosphorus**
- **Metals: Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc**
- **Other: Total Suspended Solids, Alkalinity, Hardness, Bicarbonate, Carbonate, Chloride, Fluoride, Sulfate, Calcium, Magnesium, Potassium, Sodium**
- **Will be adding Uranium, Methyl Mercury**

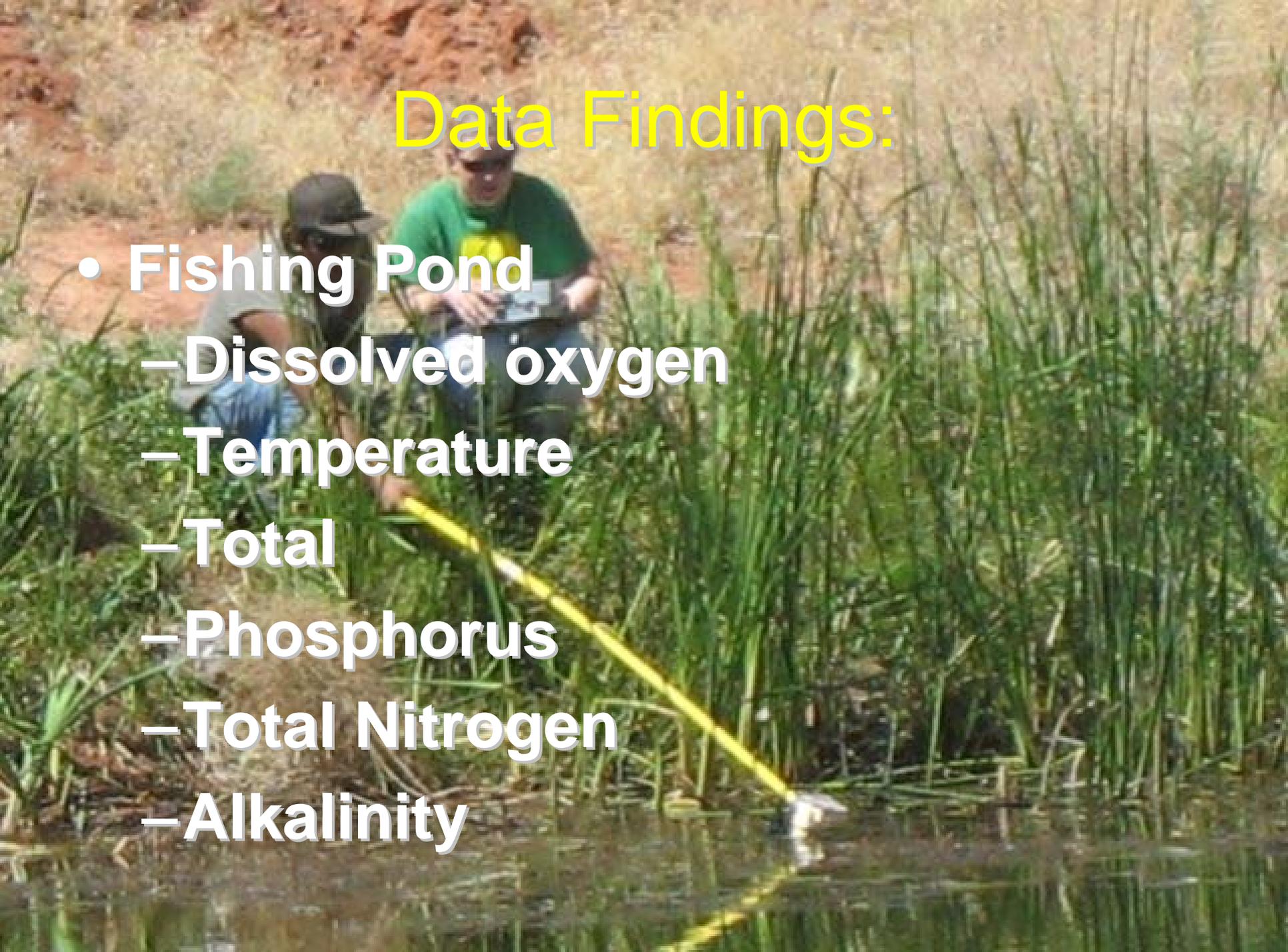
Current Field Equipment

- **YSI 556 Multiparameter Probe**
- **Hach Turbidimeter**
- **YSI 6600V2-4**
- **Test Kits**



Data Findings:

- Fishing Pond
 - Dissolved oxygen
 - Temperature
 - Total
 - Phosphorus
 - Total Nitrogen
 - Alkalinity







Data Findings (continued)

- Moccasin Wash
 - Turbidity
 - Specific conductance
 - Temperature
 - Alkalinity
 - Dissolved oxygen
 - Tamarisk effects





Data Findings (continued)

- Moccasin Spring
 - Total Nitrogen
 - Alkalinity

Data Findings (continued)

- Point Spring
 - pH
 - Selenium
 - Temperature
 - Specific Conductance
 - Aluminum







Data Findings (continued)

- Wolf Spring

- pH

- Specific Conductance

- Dissolved Oxygen

- Turbidity

- Alkalinity

- Aluminum

- Selenium



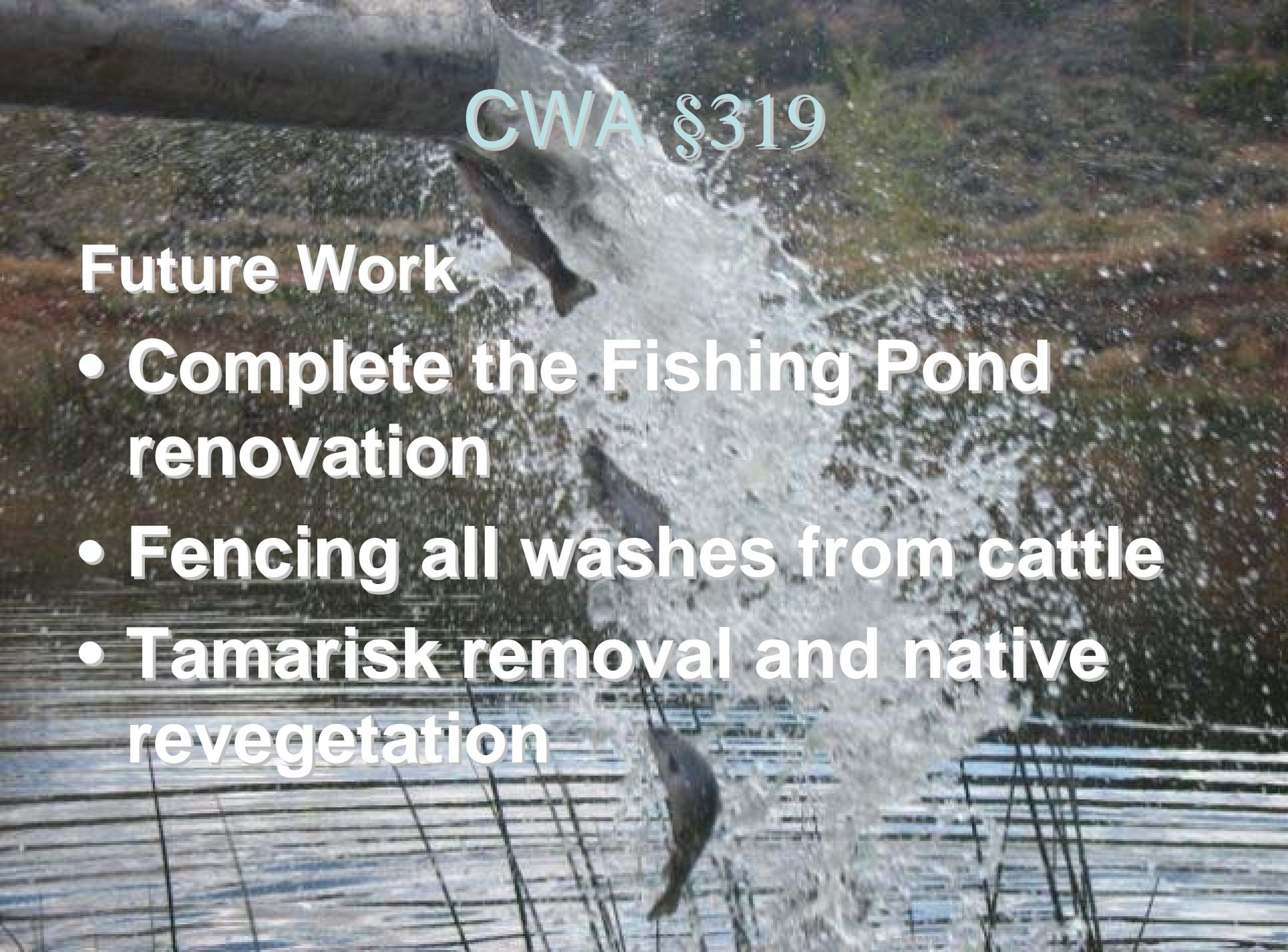
Data Findings (continued)

- Cottonwood Spring
 - Temperature
 - Total Suspended Sediment
 - Turbidity
 - Specific Conductance
 - Dissolved oxygen
 - Alkalinity
 - Selenium
 - Tamarisk effects



CWA §319

- **Will be getting the base grant in October**
 - **Install above ground drinker at Point Spring and fix the spring cover**
 - **Fishing Pond renovation designs**
 - **Work with BIA on grazing management plans**
 - **Fence out Moccasin Spring**
 - **Expand community outreach/education**
- **Applied for competitive funds, but was not selected**
 - **Twomile Wash fencing**



CWA §319

Future Work

- **Complete the Fishing Pond renovation**
- **Fencing all washes from cattle**
- **Tamarisk removal and native revegetation**

Sounds of Thunder Mountain Heritage Day Celebration Aug 21, 22 2010

Head Staff:

MC: Tala Horadick

Mezvo Navajo

AD: TBA

Host Drum: Black Creek

Tuba City, AZ

Invited Drum: Sacred Wind

Paah Springs, AZ

Headman & Headwoman picked at each season

Family Sponsored Contest Specials

Jr. Girl Traditional Special

1st - 4th places awarded

Humphrey - Rogers Family Special

Others TBA

Vendor Information

\$100 per space

\$150 food vendor

Contact: Celia Milner

928-843-7245

See Camp Host

\$10.00 per night RV Park hookup

\$5.00/night Limited on-site camping

\$5 shower charge if not staying @campground

Please clean up after yourself!



Kaibab Indian Reservation, 14 mi. west of Fredonia, AZ
Turn at junction of SR 389A & Pine Spring Rd.

In all contests, judges' decisions are final.
NO DRUGS OR ALCOHOL PERMITTED ON PROPERTY
UNAUTHORIZED SOLICITATION PROHIBITED
not responsible for lost or stolen property or short-
funded travelers

PUBLIC WELCOME!
ALL DANCERS &
DRUMS WELCOME!
PLEASE BRING YOUR OWN CHAIRS

Cordless Mic provided by



Pow-wow Registration: 11:00 a.m. (Sat)
Grand Entry: 1:00p.m. and 7:00p.m. (Sat)
Grand Entry: 11:00a.m. (Sun)

Powwow Committee:

Charley Bullets 928-843-8278

Celia Milner 928-843-7245

Contest Powwow (All Categories)

LD Required for Golden Age

Drum Contest

Northern/Southern Combined

1st place \$1,400

2nd place \$1,000

3rd place \$600

So. Pavia's Hand Drum Contest

Single, Doubles, Open

Handgame Tournament

Fun run/walk Registration Sat. 6:00a.m.

and starts at 8:30 a.m.

Fairing Derby Sat. 7:00 am

Other activities registration 8 a.m.

Man/Women Horseshoe Contest

3 on 3 Basketball Contest

Barnyard Games

So. Private Juned Art Show

More Activities throughout Pow-wow



A black dog is swimming in a stream. The water is dark and rippling. The dog's head and one eye are visible above the surface. The stream is bordered by green grass and some brown leaves. The text "Thank you! Any questions?" is overlaid in yellow at the bottom of the image.

Thank you!
Any questions?