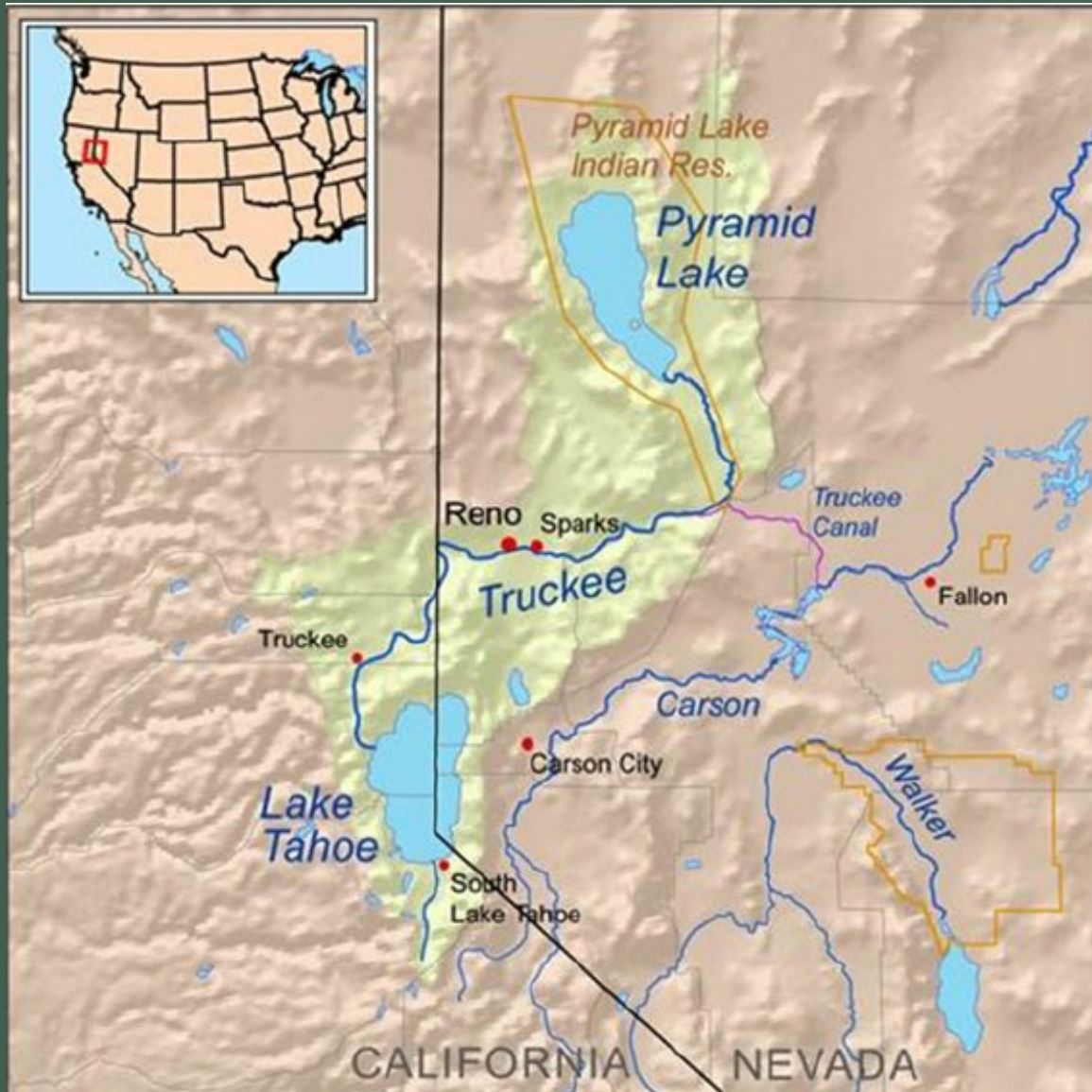# Pyramid Lake Paiute Tribe

## Wetlands Program: 15+ years of data, the future of our program, and using technology to improve data collection

EPA Region 9 WPDG Meeting
March 1-2, 2023
Kaylie Wilmot, Wetlands Specialist

# Location and wetlands overview



66/75 wetlands assessed so far

# PLPT Wetlands Program

**MAIN PRIORITIES**

- To protect and restore wetlands on the reservation for their economic, cultural, environmental, and human health benefits

**IMPORTANCE**

- Water quality improvements
- Flood control
- Wildlife habitat
- Cultural

**HISTORY**

- Program work since the early 2000s
- Consistent data collection since 2015

108°F    07/14/2021    03:18PM    CAMERAA

# Wetlands Program Work



**Wetland monitoring and identification**

**Hydrology monitoring**

**Restoration projects**

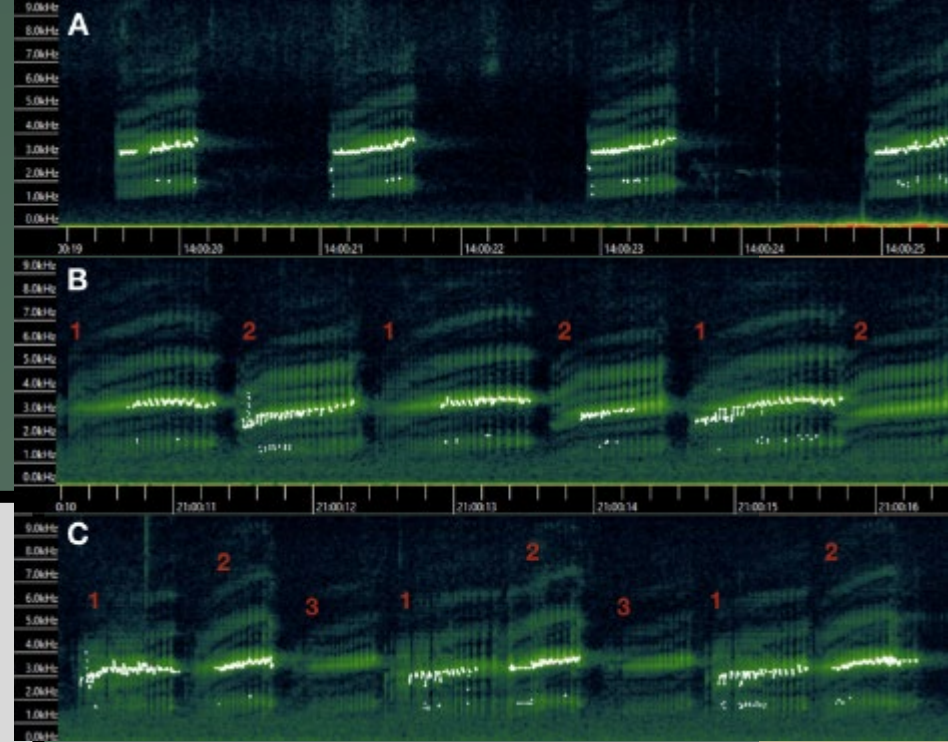**Education and outreach: Arc GIS and Storymap**

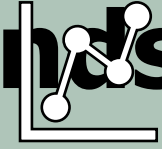**Native seed bank and herbarium collection**

**Amphibian monitoring of tribal sensitive species**

Modernizing data collection

# Creating an IBI specifically for wetlands

- Partnership with California State University at Monterrey Bay
- Uses BMI data combined with California Rapid Assessment Method (CRAM) bioassessment scores
- Calculating multimetric indices (MMIs)
- Incorporate IBI into priority scoring for restoration/preservation techniques

# Other initiatives

- Utilize educational tools like ArcGIS Storymaps
  - Wetlands Storymap

- Visit local schools to give presentations and conduct activities

- Conduct public volunteer events Annual youth camp

- Coordination with other programs to remove horse pressure on wetlands

# Thank you

- Contact Information:
  - Kaylie Wilmot
    - Email: **kwilmot@plpt.nsn.us**

- Wetlands Program website:
  - plptwq.org/wetlands
  - *Storymap on website*