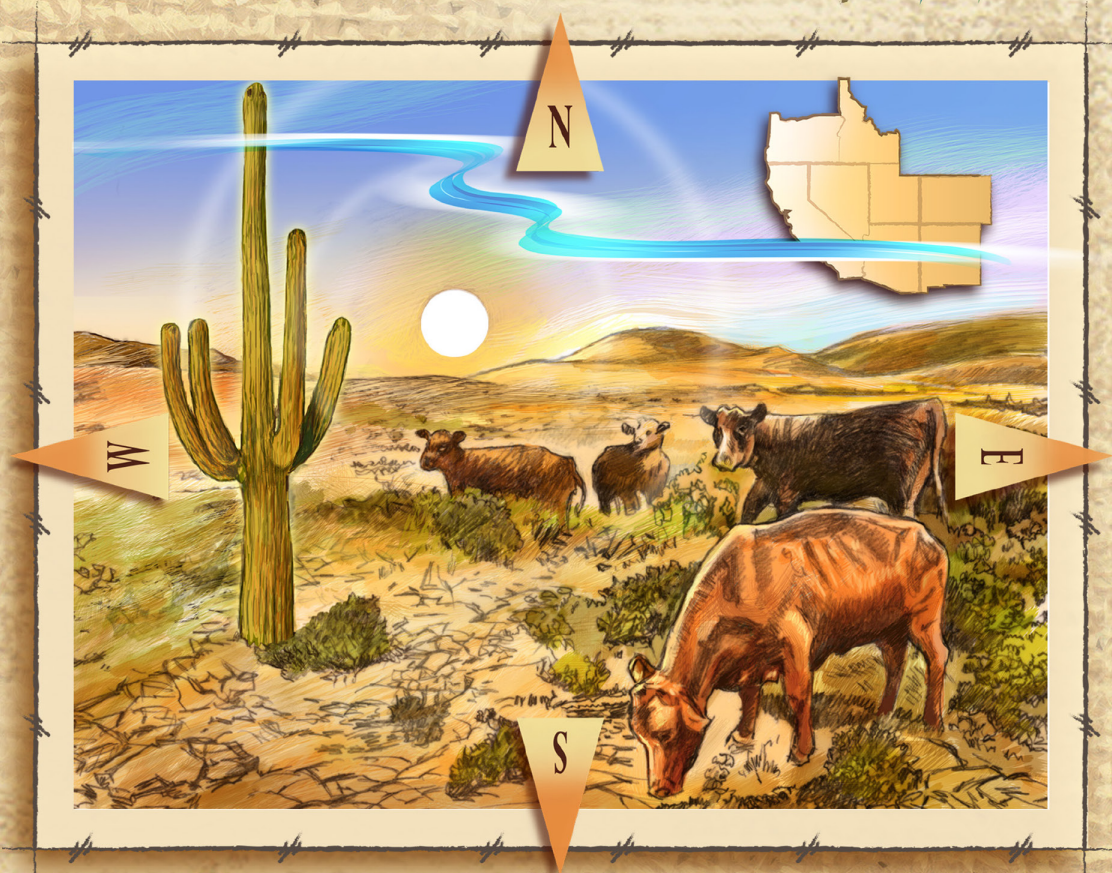


# Native Waters on Arid Lands

FOURTH ANNUAL  
TRIBAL SUMMIT 2018



**OCTOBER 17 & 18 ■ 2018** Atlantis Hotel & Casino ■ Reno, Nevada

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# Native Waters on Arid Lands

FOURTH ANNUAL TRIBAL SUMMIT 2018



**Monday, October 15, 2018**

**Youth Day at Desert Research Institute**

**Tuesday, October 16, 2018**

**Team Meeting**

8:30 – 5:00 p.m.

**Location: Paradise A**

2:00 – 5:00 p.m.

**Nevada Tribal Advisory Committee Grand Ballroom 3**

**Wednesday, October 17, 2018**

7:15 a.m.

**Registration at Registration Desk in Grand Foyer**

**Location: Paradise Ballroom C/D**

7:30 – 8:30 a.m.

**Breakfast Provided**

8:30 – 9:00 a.m.

**Welcome and Opening Prayer**

9:00 – 9:15 a.m.

**Welcome from Dr. Ivory Lyles, Director of University of Nevada Cooperative Extension and Associate Dean for Engagement, UNR**

9:15 – 10:15 a.m.

**Keynote Address - Ten Tribes Partnership**

**Daryl Vigil, Water Administrator, Jicarilla Apache Tribe, Dulce, New Mexico**

10:15 – 10:30 a.m.

**Break**

10:30 a.m. – 12:30 p.m.

**Concurrent Sessions**

**Location: Paradise A**

**Collaborative Partnerships for Economic Development, Cultural Revitalization, Wetland Restoration & Environmental Conservation:**

*Economic diversity is a key component of a sustainable economy and Tribes with small land-bases, limited water availability, or without sizable water right entitlements may consider alternative water uses necessary to diversify and sustain their economies. This session discusses the potential for ecotourism and outdoor recreation as ways to enhance Tribal economies and promote sustainability in the face of climate change and the role of collaborative partnerships necessary to manage traditional homelands where these enterprises often are based.*

**Session Chairs:** Helen Fillmore, Loretta Singletary, and Bonnie Colby

**Speakers:**

- Darrel Cruz, Washoe Tribal Historic Preservation Officer
- Norman Harry, Director of the Washoe Tribe Environmental Protection Dept.
- Neil Mortimer, Chairman, Washoe Tribe of Nevada and California



- Cale Pete, Environmental Specialist II, Washoe Tribe
- Jolie Varela, Founder of Indigenous Women Hike, Tule River Yokut/Owens Valley Paiute

**Location: Paradise B**

**Water in the Native Word: A case study of the intersection of Dine' traditional knowledge and hydrology:**

Water plays a pivotal and sacred role in the cultures and knowledge systems of indigenous peoples. Hydrologic science can greatly benefit from indigenous perspectives on water, as these perspectives bring deep, place-based understanding to the study of complex natural human systems, while also promoting sustainable solutions to some of society's most pressing issues. This panel will discuss the following questions among others: What critical research needs rooted in indigenous knowledge systems exist that are beneficial to indigenous communities and that parallel and complement concepts in western hydrologic science?

**Session Chairs:** Karletta Chief and Vicki Hebb

**Speakers:**

- Lani Tsinnajinnie, Assistant Professor, University of New Mexico
- Ranalda Tsosie, Doctoral Candidate, University of Montana
- Crystal Tully-Cordova, Doctoral Candidate, University of Utah

**Location: Paradise Ballroom C/D**

12:30 – 2:00 p.m.

**Lunch Provided and Poster Session**

2:00 – 5:00 p.m.

**Concurrent Sessions**

**Location: Paradise A**

**Hands on Climate Adaptation and Vulnerability Assessment Workshop:** This hands-on training demonstrates how to leverage and apply innovative vulnerability assessment techniques through a collaborative group exercise. Facilitators Derek Kauneckis, Nikki Cooley, Leanna Begay, Anna Palmer and Miles Gordon will assist participants in identifying key factors contributing to vulnerability as well as what options there are to intervene. The ultimate objective is to provide a basis for integrating vulnerability assessments and adaptation planning into existing community development and natural resource management efforts, as well as learn what the administrative responsibilities are for conducting a local vulnerability assessment.

**Session Chairs:** Derek Kauneckis and Nikki Cooley

**Speakers:**

- Anna Palmer, MS Voinovich School of Leadership and Public Affairs, Ohio University
- Miles Gordon, MS, Voinovich School of Leadership and Public Affairs, Ohio University
- Leanna Begay, Program Coordinator in the Tribes Climate Change Program, Northern Arizona University

**Location: Paradise B**

**"Water Footprint" – What is Your Tribes Story?** The definition of a water footprint is the amount of fresh water utilized in the production or supply of the goods and services used by a particular Tribe. Climate impacts, such as increased temperatures, can have an impact on water resources and other natural resources on the reservation. This, in turn, influences your Tribal water footprint. This session will discuss what a water footprint is and how to start looking at what your tribal water footprint would be in different scenarios. A discussion will follow that is based on tribal experiences due to increased temperatures while looking at your tribal water footprint: The Hopi Tribe will discuss managing their current drought situation; the Walker River Paiute Tribe will discuss longer growing seasons and irrigation management; and the NASA Project will discuss ways for drought monitoring which impacts the tribal water footprint where water resources decrease.

**Session Chairs:** Staci Emm and Vicki Hebb

**Speakers:**

- Doug Boyle, Professor and Department Chair of Geography, University of Nevada Reno and Staci Emm, Professor and Extension Education, University of Nevada Cooperative Extension
- Selwyn Sekaquaptewa, Kykotmovi Village, Kykotmovi, AZ
- Elveda Martinez, Walker River Paiute Tribe, and Randy Emm, Nevada Native Programs, University of Nevada Cooperative Extension, Schurz, NV



- Carlee McClellan, Overview of NASA Project in Drought Monitoring, Senior Hydrologist, NDWR –Water Management, Fort Defiance, AZ

## Thursday, October 18, 2018

**Location: Paradise Ballroom C/D**

**7:30 – 10:00 a.m.**

**Breakfast Provided**

**Keynote Address – Beverly Harry, Water Protectors Sacred Run**

**10 – 10:15 a.m.**

**Break**

**10:15 a.m. – 12:30 p.m.**

**Concurrent Sessions**

**Location: Paradise A**

**Economic Development and Production Economics: The Role of Agriculture in Economic Development.** This session explores agriculture's role in Tribal economic development portfolio and introduces economic tools to evaluate options.

**Session Chairs:** Trent Teegerstrom and Kynda Curtis

**Speakers:**

- Nathan Levi Esquerra, Program Director, Center for American Indian Economic Development, Flagstaff, AZ
- Dr. Mark Sorensen, Founder and Director of STAR School, Flagstaff, AZ
- Kynda Curtis, Professor, Utah State University, Logan, UT

**Location: Paradise B**

**Building Research Capacity at Tribal Colleges and Universities and Tribal Communities:** The interactive session will feature a series of brief presentations that describe the breadth of research capacity building effort at TCUs related to climate and water issues. Presentation will be followed by a facilitated open discussion to explore how capacity building can be scaled up to all TCUs and their Tribal communities, and in other non-TCU Tribal communities.

**Session Chairs:** Kyle Bocinsky and Virgil Dupuis

**Speakers:**

- Suzanne Baker, Resource Conservationist NRCS (via video)
- Erin Riley, National Program Leader NIFA (via video)
- Al Kuslikis, Senior Associate for Strategic Initiatives AIHEC (via video)
- Gary Halvorson, Environmental Science/Agriculture Instructor, Sitting Bull College

**Location: Paradise C/D**

**12:30 – 2:30 p.m.**

**Lunch Provided**

**Keynote Address – Blackfeet Water Settlement**

Terry Tatsey, Vice Chairman, Blackfeet Tribe of Montana

**3:00 – 4:30 p.m.**

**Facilitated Group Discussion :** During many of the NWAL Tribal Summits and resiliency workshops we have heard feedback about two topics we would like to hear more about from all the Summit participants. The first topic is using alternative energy resources to manage water resources including solar and/or wind energy for pumping ground and/or surface water especially in times of drought. The second topic addresses concerns raised about both surface and groundwater quality used for agriculture. This facilitated discussion is intended to share stories about barriers and solutions related on reservation lands that may increase water availability, accessibility and usability for livestock and crops, especially during droughts.

**Discussion Chairs:** Maureen McCarthy and Trent Teegerstrom

**4:30 – 5:00 p.m.**

**Closing remarks and closing prayer**