# Sicangu Lakota Oyate Facing the Climate Crisis



#### ROSEBUD SIOUX TRIBE

PO Box 430 Rosebud, SD 57570 Phone: 605.747.2381 Fax: 605.747.2905 Website: rosebudsiouxtribe-nsn.gov Rodney Bordeaux, President Scott Herman, Vice President Louis Wayne Boyd, Treasurer Linda L. Marshall, Secretary Edward Clairmont, Sergeant-at-Arms

#### August 6, 2019

#### MEMORANDUM

- To: Phil Two Eagle, SLTC Syed Huq, Water Resource Ivan Crow Eagle, Environmental Office Paula Antoine, Sicangu Oyate Land Office Ken Haukaas, RST Forestry Frank Vanderwalker, Natural Resources Tony Rogers, RST Utility Commission Ken LeDeaux, Sicangu Resource Development
  - Ken LeDeaux, Sicangu Resource Development

From: Rodney M. Bordeaux, RST President

Re: Climate Change Working Group

I am hereby authorizing individuals listed above as the Rosebud Sioux Tribe Climate Change Working Group. Also, to present a resolution to the Rosebud Sioux Tribe Council for approval. The RST resolution shall mention a change on developing climate change strategic plan and assign a meeting facilitator or chairperson for the Rosebud Sioux Tribe. At this time, you will be the initial group and may have other tribal programs to assist with this project. There will be regular meetings held to keep making progress with this project. Please add any additional information in the resolution. James Rattling Lead a tribal member will be a part of this group. Mr. Two Eagle will initiate the process of this project on the behalf of the Sicangu Lakota Oyate.

I am authorizing the RST Climate Change Working Group to request funding from the Bureau of Indian Affairs or any federal, state, or national resource. The group is required to submit monthly reports and updates to the President's Office. Please keep me informed of any issues needing my attention to my office or RST Council. We need to be proactive in preparing what lies ahead regarding climate change. There are many reports on adverse climate change that may affect our tribe as well as the Oceti Sakowin and other tribes. There may be severe weather changes such as droughts, tornadoes, and floodings that we need to prepare for.

### **Tokatakiya Wowayanke - Vision Statement**

"Unkiye ca lel unkanihi pi. Wakinyan heunca pi. Wiwila hena unkowaja pi nahan unkitawa pi. Mni hena unkiye etan u."

"It was us who brought you here. We are Thunder-Beings. The springs are here because of us and belong to us. This water comes from us."

--Statement from a Thunder-Being in purification ceremony

In 1878, the Sicangu Bands settled at what was to be their final Agency at Rosebud Creek, located at present day Rosebud, South Dakota. It was the Thunder-Beings who guided the Wicasa Wakan or Holy Men to the Maka Izita Opaya Wakpala, or the Smoky Earth River Valley, because of the abundance of spring water. The Little White River Valley is understood to be the "Wizipan" or the buffalo hide container used to store the necessities of life. This environmental Wizipan ecosystem contains water and aquatic life, plants for food and medicine, wildlife and winged, and forests for wood and shelter. It is held in the same high regard as the Black Hills with sacred sites and unmarked burials.



### Extinction of the American Bison William T. Hornady (1889)

Bison Extermination WT Hornaday

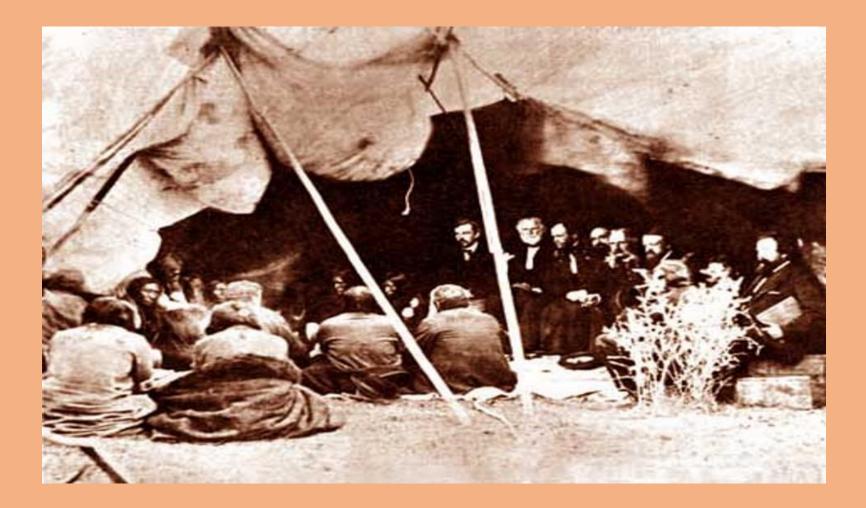
Boundary of the area once inhabited by the American Bison (Mainly after J.A. Allen)

Range of the herds 1880

Range of two great herds 1870

Developed by Native Lands Advocacy Project https://www.nativeland.info.on.behalf of the Sicangu Deapy Counc

### Fort Laramie Treaties



## Fort Laramie Treaty of 1851

### • ARTICLE 6.

• The parties to the second part of this treaty having selected principals or head-chiefs for their respective nations, through whom all national business will hereafter be conducted, do hereby bind themselves to sustain said chiefs and their successors during good behavior.

### 1868

### • ARTICLES OF A TREATY MADE AND CONCLUDED BY AND BETWEEN

• Lieutenant General William T. Sherman, General William S. Harney, General Alfred H. Terry, General O. O. Augur, J. B. Henderson, Nathaniel G. Taylor, John G. Sanborn, and Samuel F. Tappan, duly appointed commissioners on the part of the United States, and the different bands of the Sioux Nation of Indians, by their chiefs and headmen, whose names are hereto subscribed, they being duly authorized to act in the premises.

## 1868

• ARTICLE I.

From this day forward all war between the parties to this agreement shall for ever cease. The government of the United States desires peace, and its honor is hereby pledged to keep it. The Indians desire peace, and they now pledge their honor to maintain it.

- If bad men among the whites, or among other people subject to the authority of the United States, shall commit any wrong upon the person or property of the Indians, the United States will, upon proof made to the agent, and forwarded to the Commissioner of Indian Affairs at Washington city, proceed at once to cause the offender to be arrested and punished according to the laws of the United States, and also reimburse the injured person for the loss sustained.
- If bad men among the Indians shall commit a wrong or depredation upon the person or property of nay one, white, black, or Indian, subject to the authority of the United States, and at peace therewith, the Indians herein named solemnly agree that they will, upon proof made to their agent, and notice by him, deliver up the wrongdoer to the United States, to be tried and punished according to its laws, and, in case they willfully refuse so to do, the person injured shall be reimbursed for his loss from the annuities, or other moneys due or to become due to them under this or other treaties made with the United States; and the President, on advising with the Commissioner of Indian Affairs, shall prescribe such rules and regulations for ascertaining damages under the provisions of this article as in his judgment may be proper, but no one sustaining loss while violating the provisions of this treaty, or the laws of the United States, shall be reimbursed therefor.

## Article II - 1868

#### • ARTICLE II.

The United States agrees that the following district of country, to wit, viz: commencing on the east bank of the Missouri river where the 46th parallel of north latitude crosses the same, thence along low-water mark down said east bank to a point opposite where the northern line of the State of Nebraska strikes the river, thence west across said river, and along the northern line of Nebraska to the 104th degree of longitude west from Greenwich, thence north on said meridian to a point where the 46th parallel of north latitude intercepts the same, thence due east along said parallel to the place of beginning; and in addition thereto, <u>all existing</u> reservations of the east back of said river, shall be and the same is, set apart for the absolute and undisturbed use and occupation of the Indians herein named, and for such other friendly tribes or individual Indians as from time to time they may be willing, with the consent of the tribes or individual Indians as from time to time they may be willing, with the consent of the United States, to admit amongst them; and the United States now solemnly agrees that no persons, except those herein designated and authorized so to do, and except such officers, agents, and employees of the government as may be authorized to enter upon Indian reservations in discharge of duties enjoined by law, shall ever be permitted to pass over, settle upon, or reside in the territory described in this article, or in such territory as may be added to this reservation for the use of said Indians, and henceforth they will and do hereby relinquish all claims or right in and to any portion of the United States or Territories, except such as is embraced within the limits aforesaid, and except as hereinafter provided.

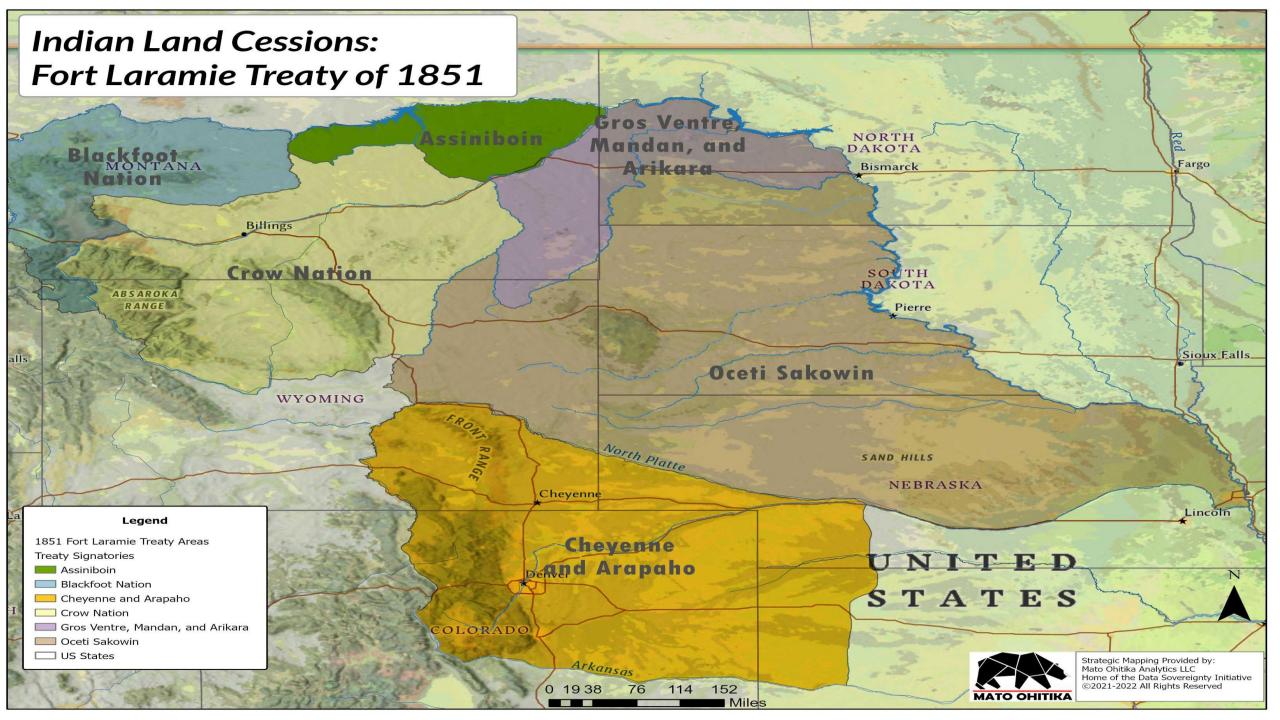
## Article 5

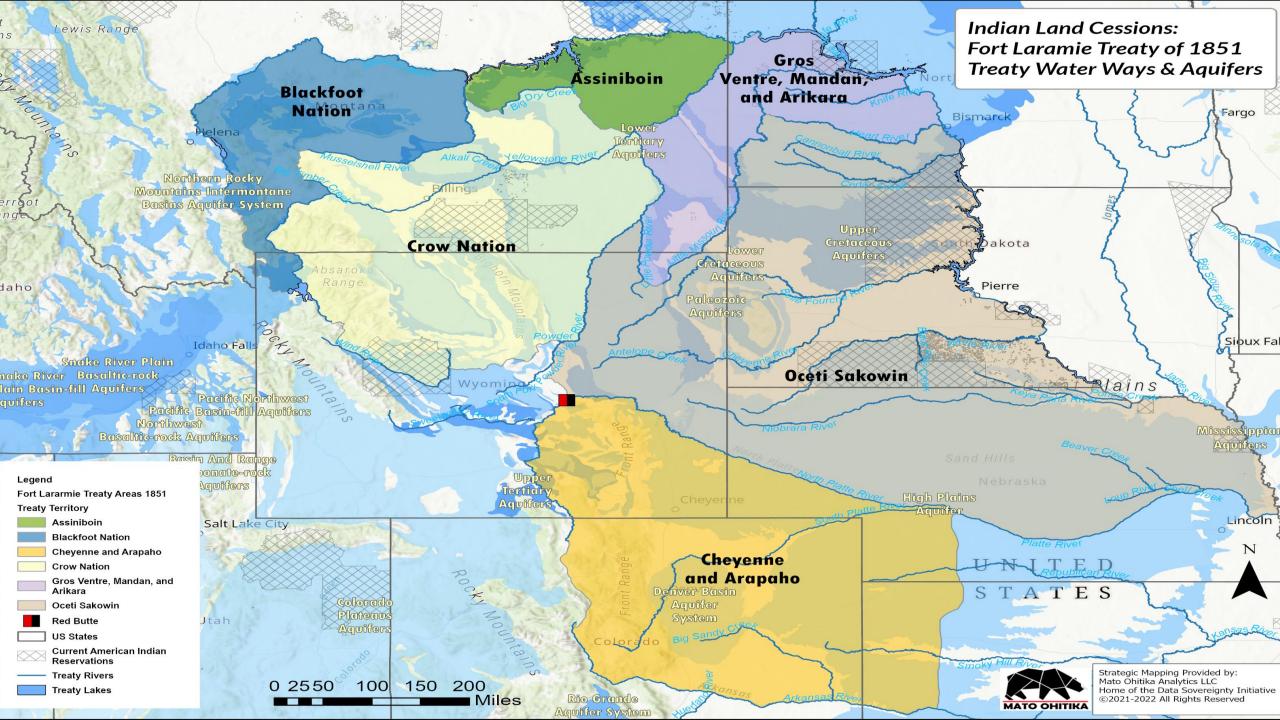
• The territory of the Sioux or Dahcotah Nation, commencing the mouth of the White Earth River, on the Missouri River: thence in a southwesterly direction to the forks of the Platte River: thence up the north fork of the Platte River to a point known as the Red Bute, or where the road leaves the river; thence along the range of mountains known as the Black Hills, to the head-waters of Heart River; thence down Heart River to its mouth; and thence down the Missouri River to the place of beginning.

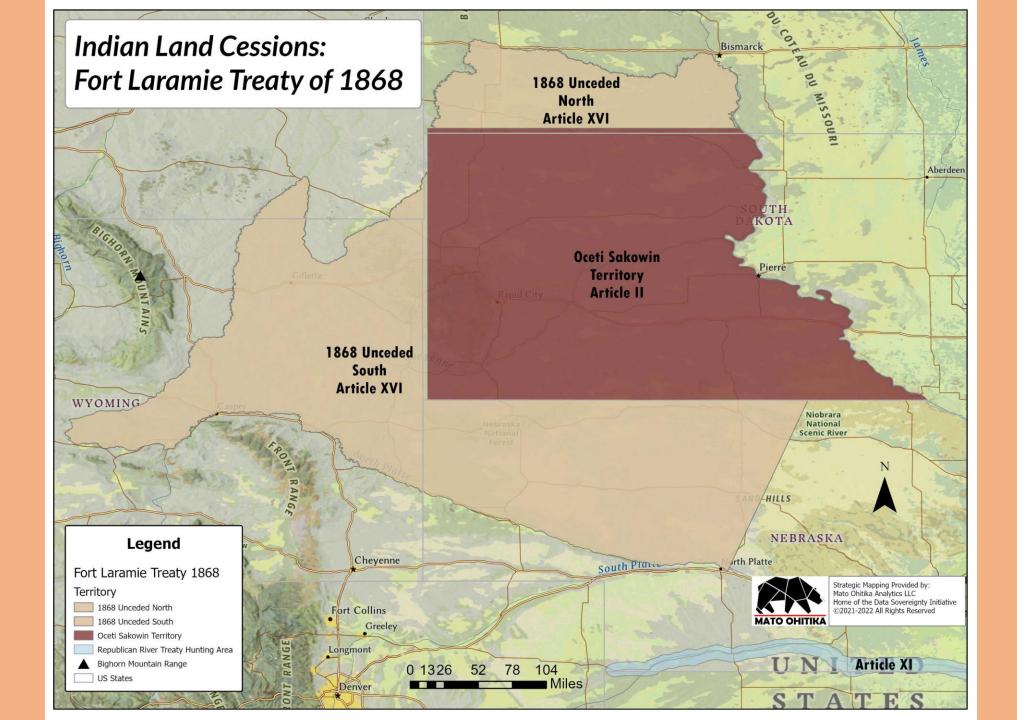
### Creation Stories - Out of Many, One

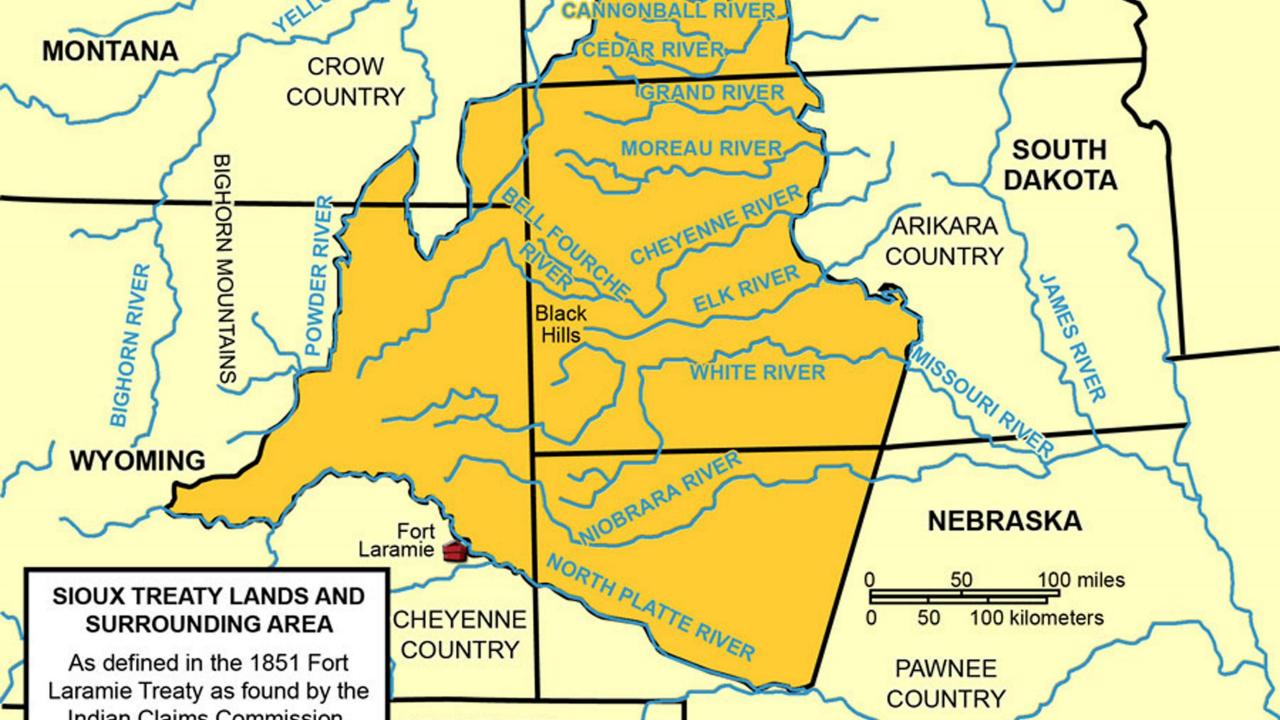
Teaching the importance of protecting Unci Maka and all living life forms from greed and domination

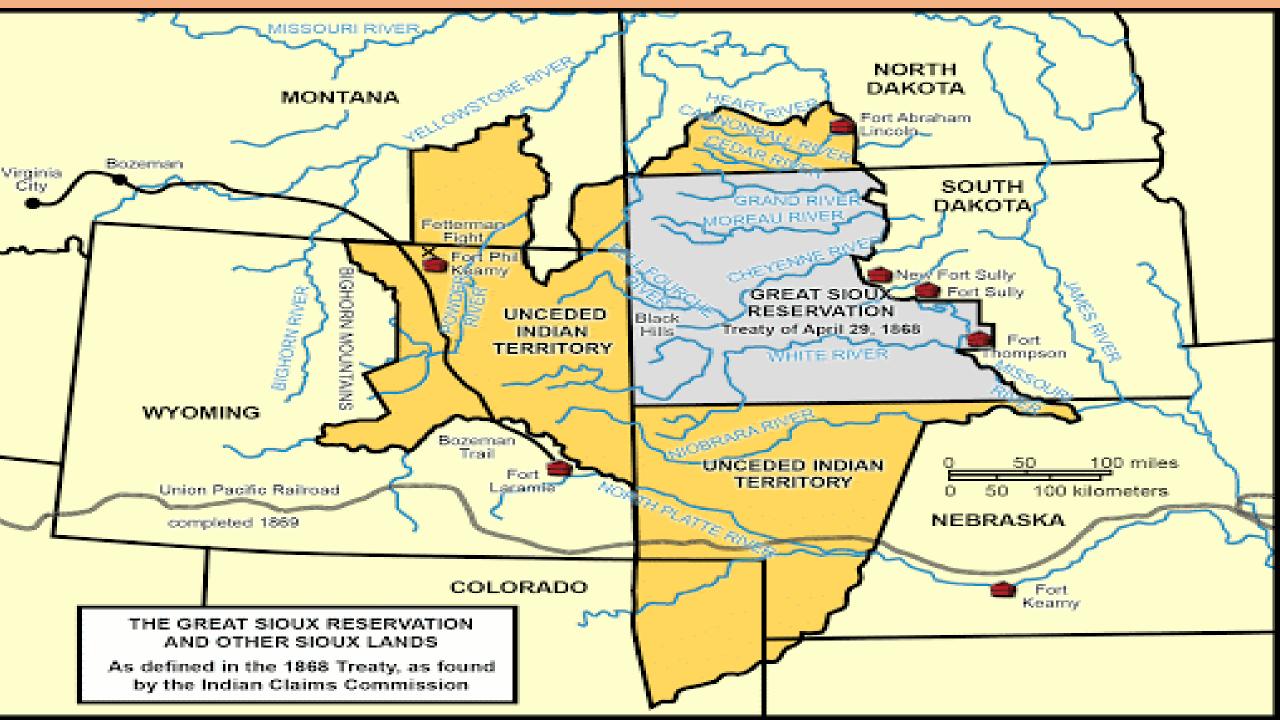
Inyan Kaga and the Creation of Unci Maka "The making of Unci Maka (Grandmother Earth) and Mahpiyato Skan (water). In the beginning, there was nothing, except for Inyan (rock), wrapped in the deepest han (darkness). Inyan had great spiritual powers, especially in his blue colored blood, but he longed for companionship. He let his blue blood flow from him to create Maka (earth), and as he watched his blood flow out to the ends of the earth, he called it Mahpiyato Skan, the blue mover. As his powers flowed out, Inyan became an eerie stand of molten rock calledTunkan and when the humans were created from what was left, they called this Tunkansila (grandfather). Tunkansila is the oldest thing known to humans and this term was appropriate. The humans call Unci Maka (grandmother), the next oldest thing, and this was appropriate. The act of creating Unci Maka and Mahpiyato Skan is called Inyan Kaga.

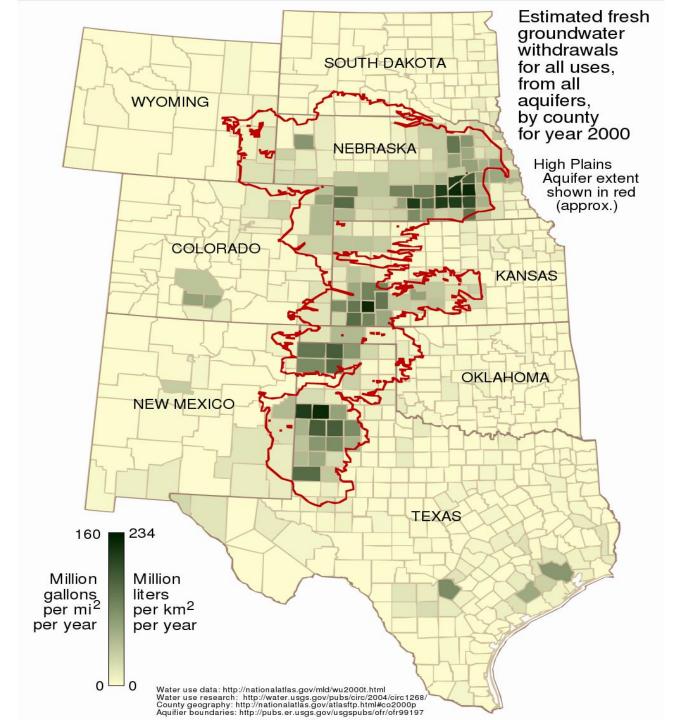


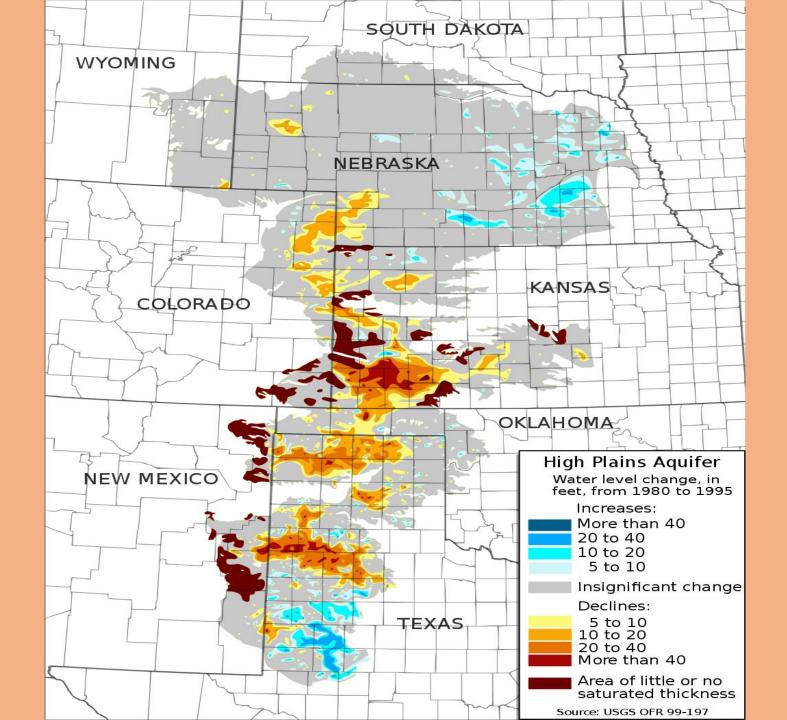




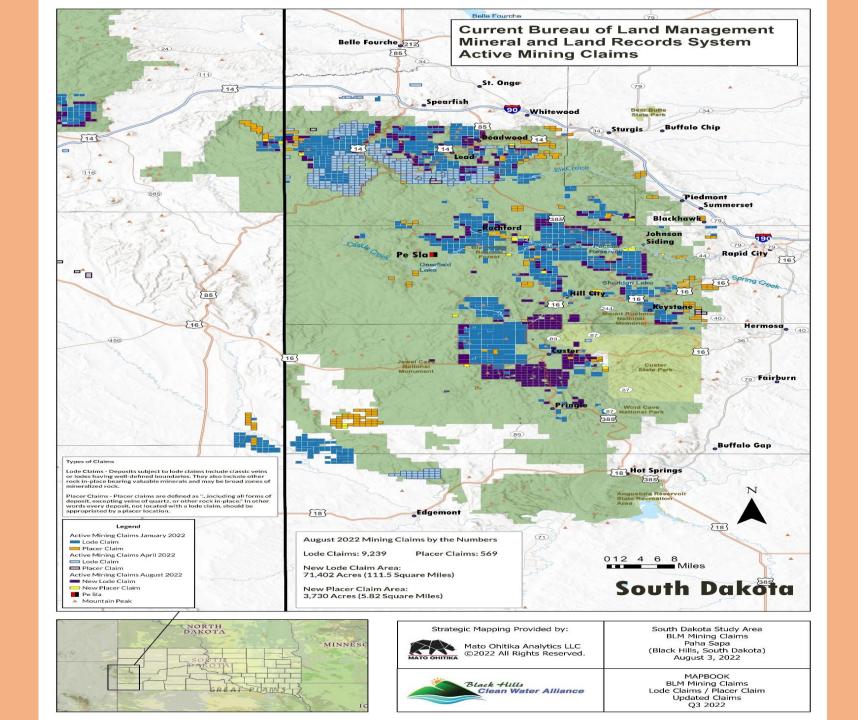




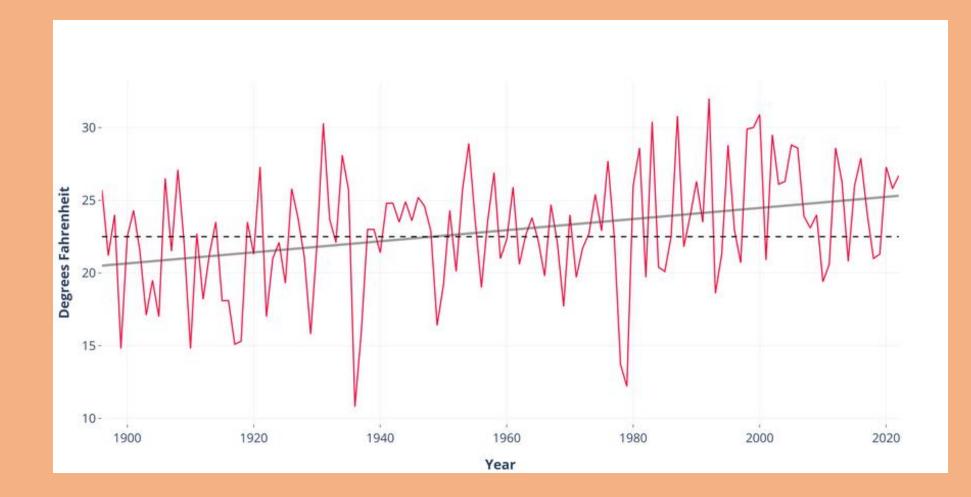




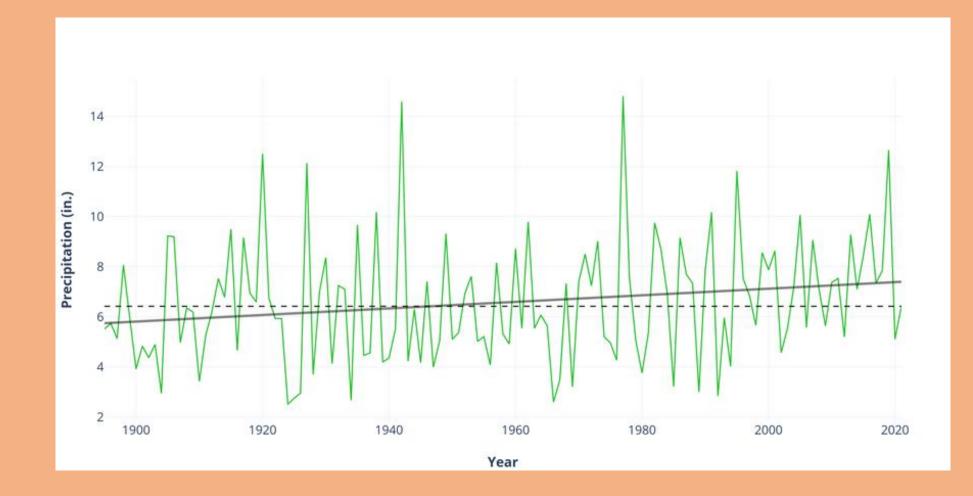




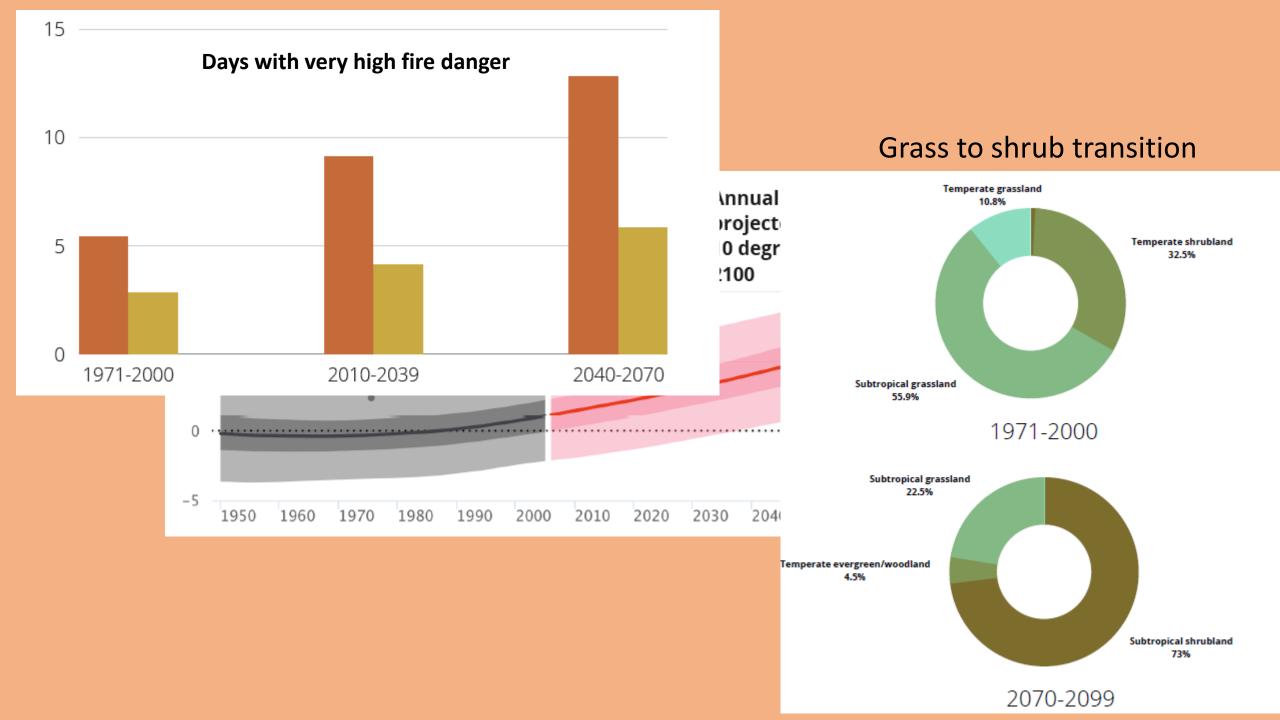
#### **THE PAST – TEMPERATURES RISING AT ROSEBUD**



#### **THE PAST – RAIN AND SNOW RISING AT ROSEBUD**



Heat Indices/Decade	>90 degree F	>100 degree F	>105 degree F	
More hot and very hot days to come				
1990s	25 days	2 days	0 days	
2025s	43 days	7 days	2 days	
2055s	63 days	19 days	6 days	
2085s	85 days	43 days	23 days	



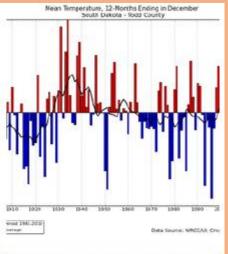
### INPUT FROM THE OYATE (despite Covid)

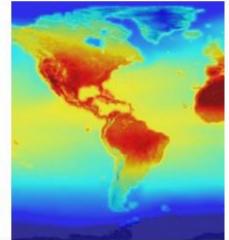
1) Community Meetings	2) Community Survey	3) Tribal Government	4) Elder Interviews	
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Oyate Input with SCCWG Guidance				



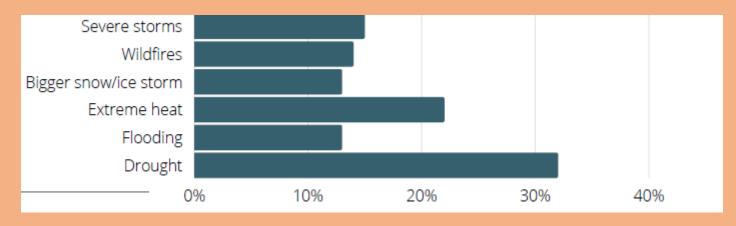
Wednesday 5/26 @ 10am OKREEK - Wednesday 5/26 @ 2pm ANTELOPE - Thursday 5/27 @ 10am

Join the ZOOM Call via the Sicangu Climate Crisis Working Group Facebook Page Or +1 812 626 6799 X 450 125 2185 DURING THE MEETING TIMES ABOVE

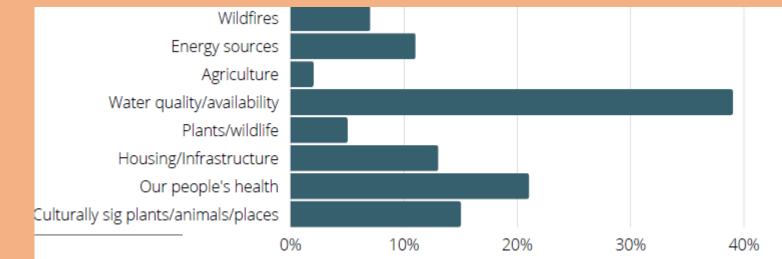




#### CONCERNS



#### WHAT TO FOCUS PLANNING ON



#### **RST Government expertise**

Syed Hug Director, Water Department Joe Ross, RST Ranch Manager Paula Wopilawin Antoine, Director, Sicangu Oyate Land Office Pam Giroux, Director, Rosebud Elder Care Ken Haukaas, Director, Forestry Department Alexander Swalley, Director, Environmental Protection Department Wayne Bear Shield, Director, Facilities Management, Caroline Horse Looking, Director, RST Enrollment Ione Quigley, Tribal Historic Preservation Officer Robert Oliver, Director, Dam Safety, Emergency Response Wizipan Little Elk, Executive Director, REDCO [now with BIA] Tony Rogers, Director, Tribal Utility Commission Skyla Fast Horse, Director, Health Department

Protect the Oyate Protect and Wisely use our Water Protecting the Land and Living Relatives

#### **Four Highlighted Recommendations**

Establish a permanent tribal office led by a Chief Climate Officer

Plan and build capacity to address human needs in weather emergencies.

Implement the Rosebud Drought Adaptation and Mitigation Plan

Establish a Sicangu Lakota Oyate Environmental Data and Decisions Center for focused information and sovereignty for the land and living relatives

#### **PROTECTING THE OYATE**

Establish a permanent tribal department and Oyate Climate Itacan Enhance tribal capacity to protect life and property among the Sicangu Lakota Oyate

Weather emergencies – plan for flooding and tornadoes

Local weather warning system

Reliable heating and cooling

Community centers as warm/cooling stations

Wellness checks

Consider rooftop solar

Consider higher building codes

#### **PROTECTING AND WISELY USING OUR WATER**

RST has legal access to Missouri River water Reservation sits atop major aquifer

BUT -- contamination, control, over-use, drought impacts, pose dangers

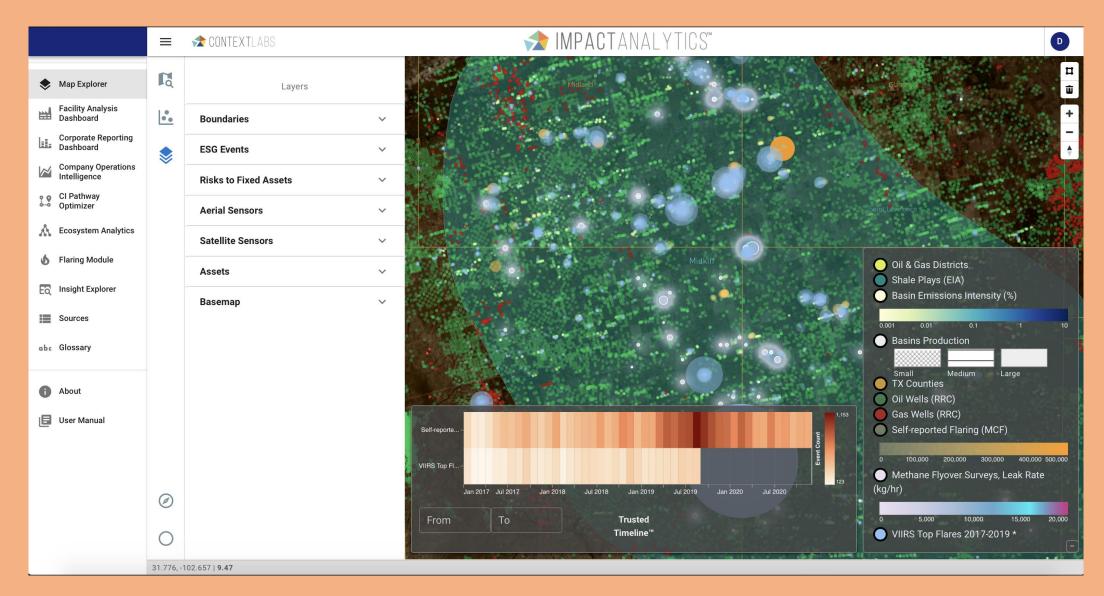
Adopt and implement the Rosebud Tribal Water Code Fully implement the Rosebud Drought Adaptation and Mitigation Plan Expand characterization and monitoring of Rosebud water

### **PROTECTING THE LAND AND LIVING RELATIVES**

## Establish a Sicangu Climate Center for focused information and sovereignty for the land and living relatives

- Clean up the Reservation
- Expand food sovereignty, local markets, processing facilities
- Promote habitat conservation
- Reduce overgrazing
- Understand the impacts of climate change on forests and grasslands
- Plant more trees
- Track forage production and use
- Preserve sacred plants, at-risk species, and consider when development occurs

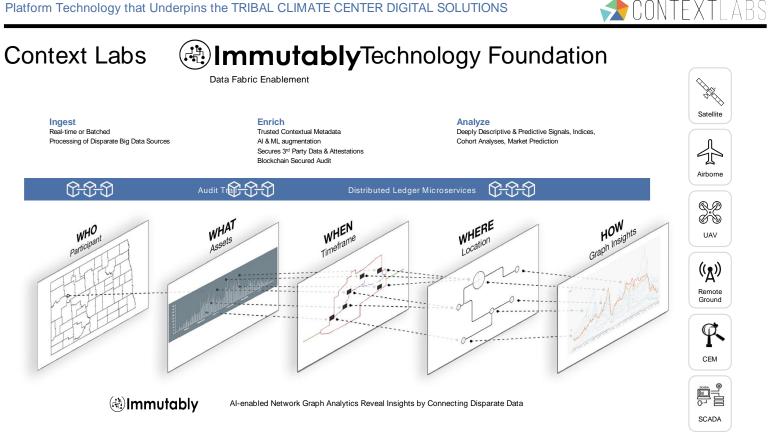
#### **CREATING THE 'DIGITAL TWIN' OF OUR LAND, OUR WORK, OUR FUTURE**



#### THE SOFTWARE WILL MANAGE ANY DATA, ANY OUTCOME WE DESIGN

#### Core Platform Technology- Commercialization of MIT Research

Platform Technology that Underpins the TRIBAL CLIMATE CENTER DIGITAL SOLUTIONS





### **OUR SOFTWARE, OUR DATA WILL BE AS SECURE AS ANY PARTNERS'**



✓ Critical Cyber Physical Asset Interoperability Program for Solar Assets

- ✓ Ensure provenance and veracity of any satellite data



We will:

- ✓ Develop and define best practices for critical infrastructure cyber resilience
- ✓ Safeguard the protection of the US energy, water/wastewater and transportation grids



