

## **Great Lakes Inter-Tribal Epidemiology Center**

BIA Partners in Action Conference "New Horizons, Honored Past"



Contaminants, Tribal Exposure Pathways, Environmental Health, and Trust Resources

July 19, 2018

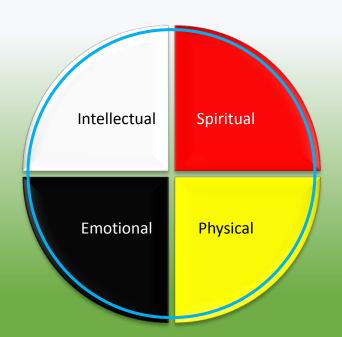
# "Diagnosing Tribal Specific Exposures Pathways"

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#### **Indigenous Concept of Health**

- Health is Holistic
- Balance between the physical, mental, spiritual, and emotional
- All connected through an "Environmental Component"

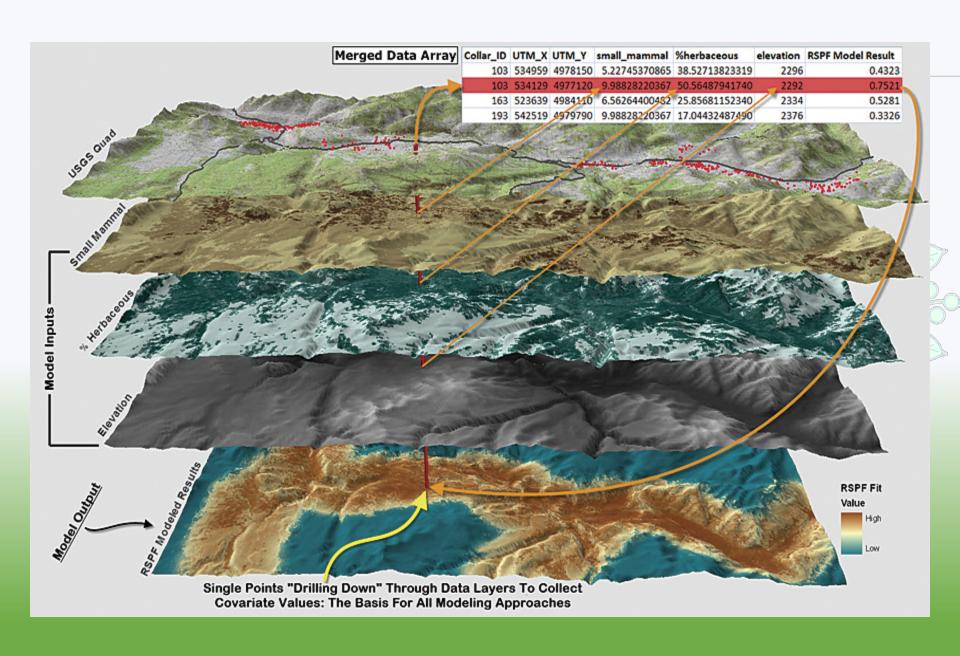




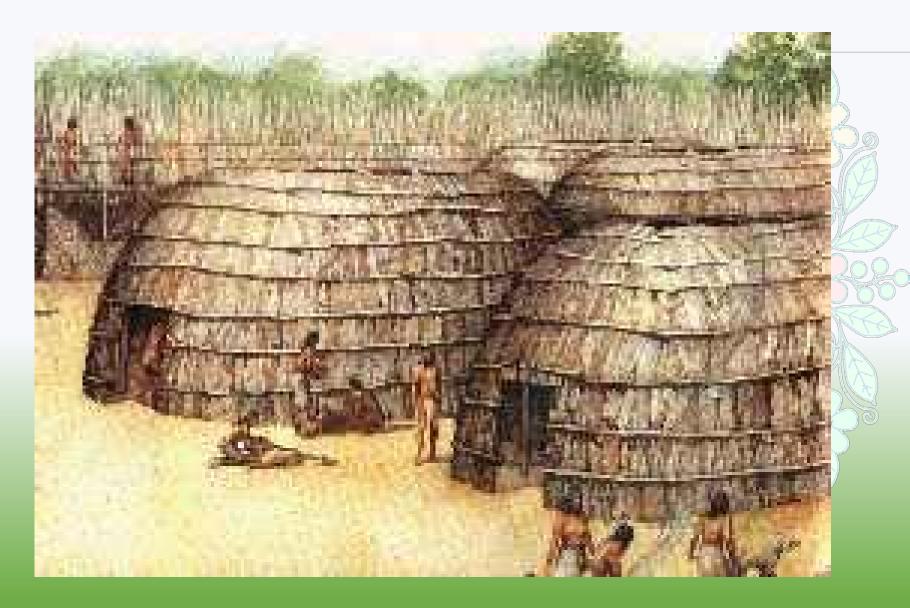
#### **Principles of Native Land Management**

- Native's traditional relationships with the land provides a multi-dimensional understanding of the world.
- Interconnections are everywhere: between soil, water, sun, species, people and places.
- Technology offers a way to incorporate and synthesize those layers of understanding
- Traditionally Natives have always viewed the values of life and the environment holistically

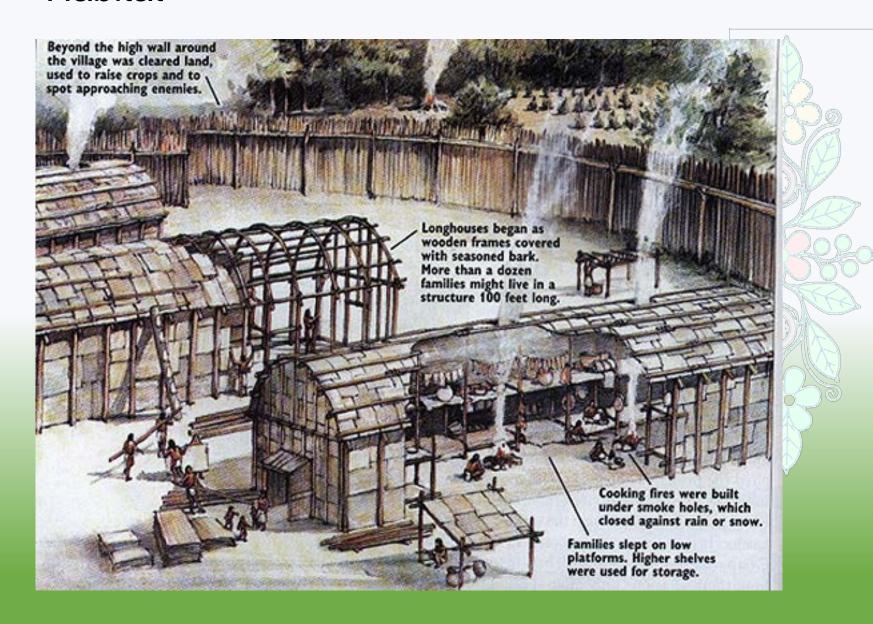




## Habitat

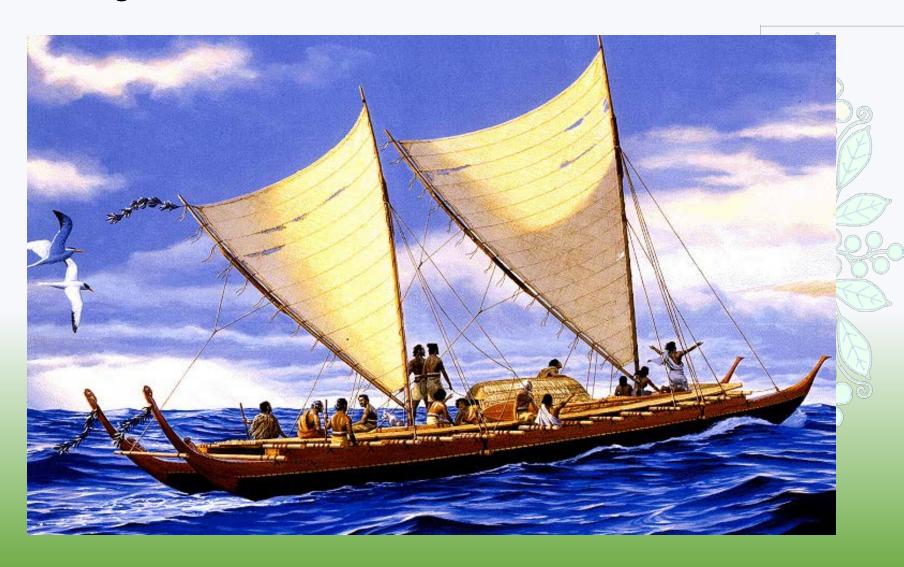


#### Habitat



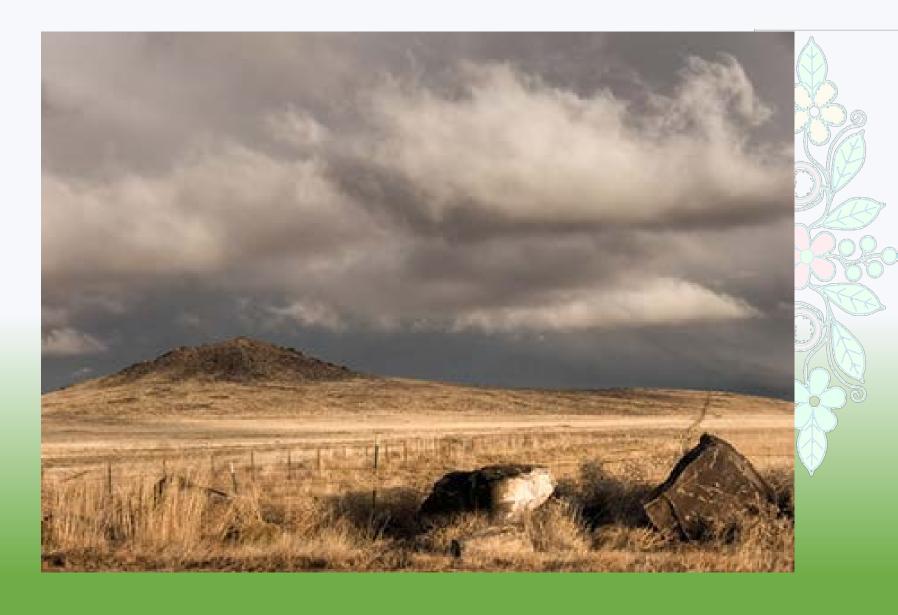
## Habitat



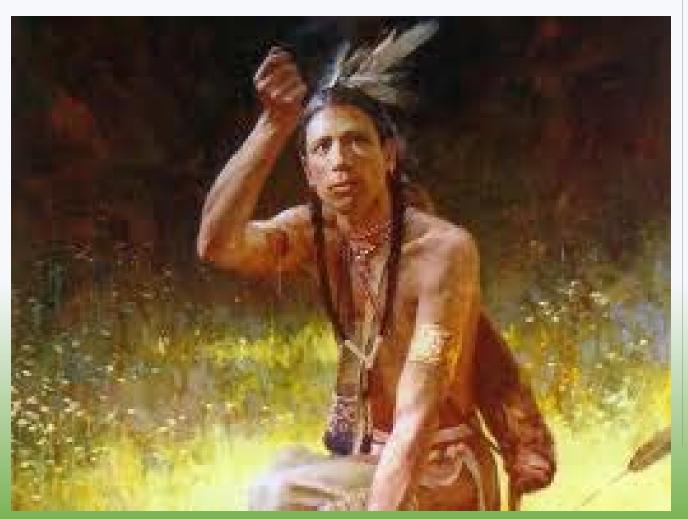






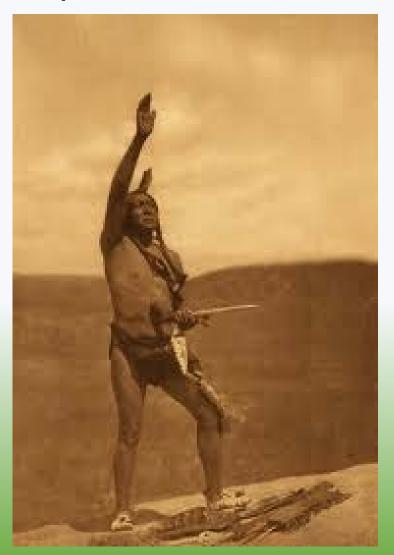


# Worship



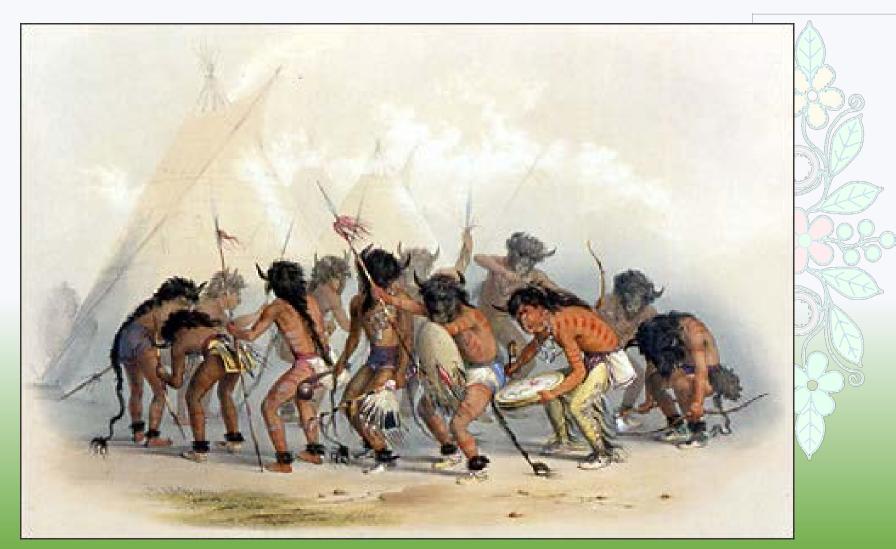


# Worship

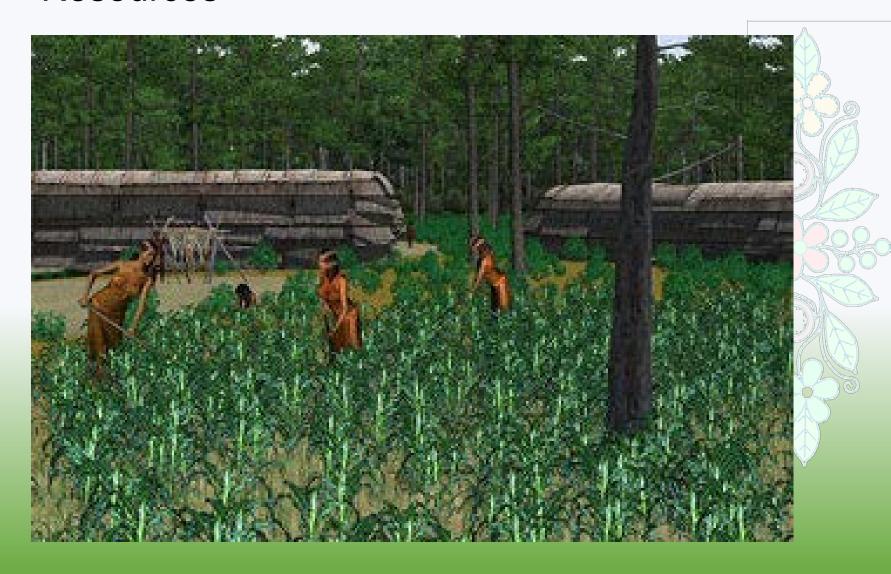




# Worship



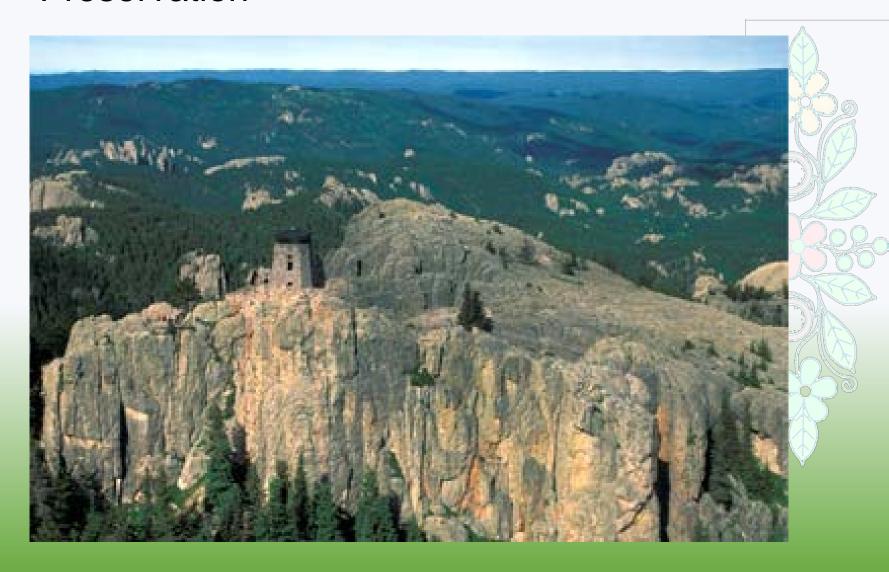
#### Resources



### Preservation



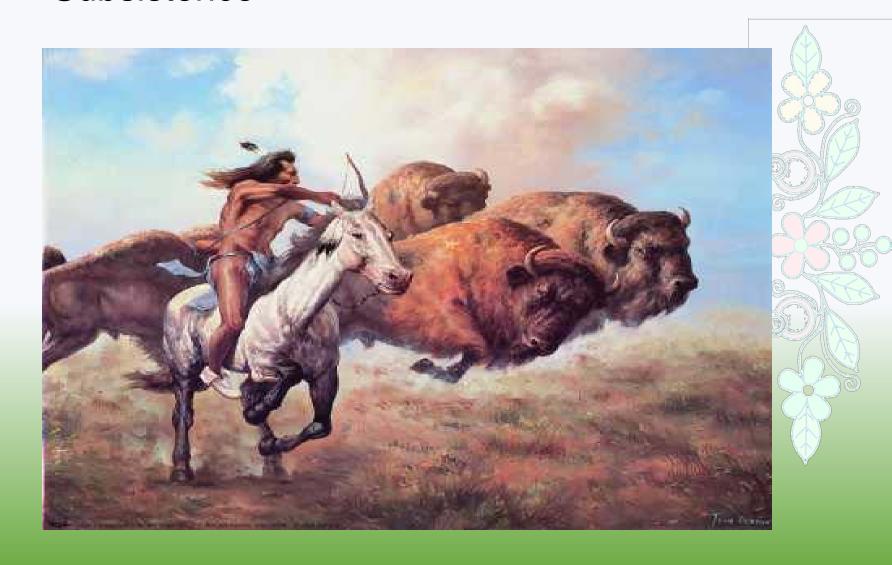
### Preservation



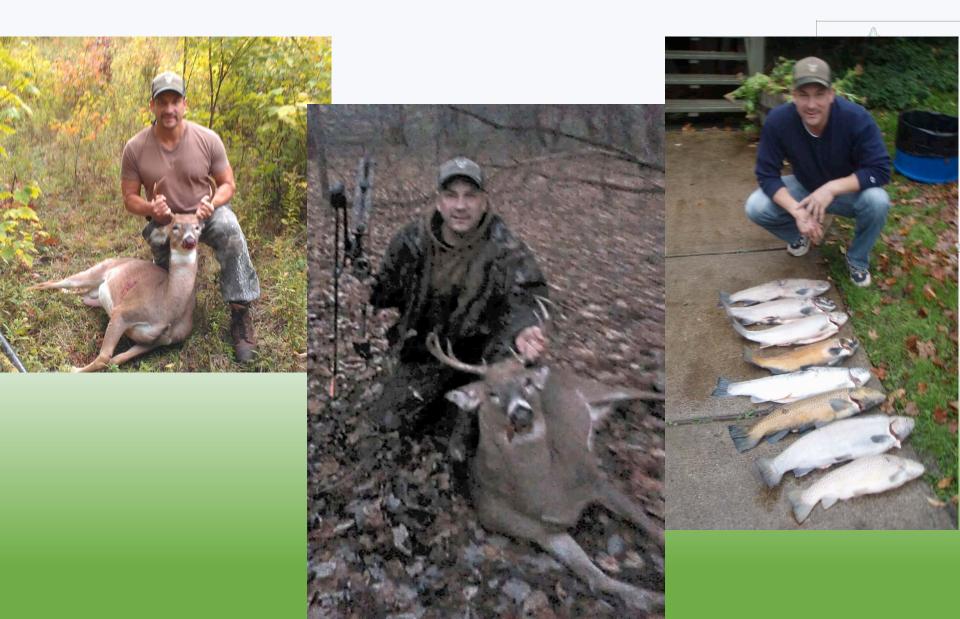
## Subsistence



## Subsistence



## Subsistence





Seneca Nation of Indians

# Cultural Plants and Trees

A STUDY OF THE
PROPOSED U.S. ROUTE 219 CORRIDOR
(First Edition)

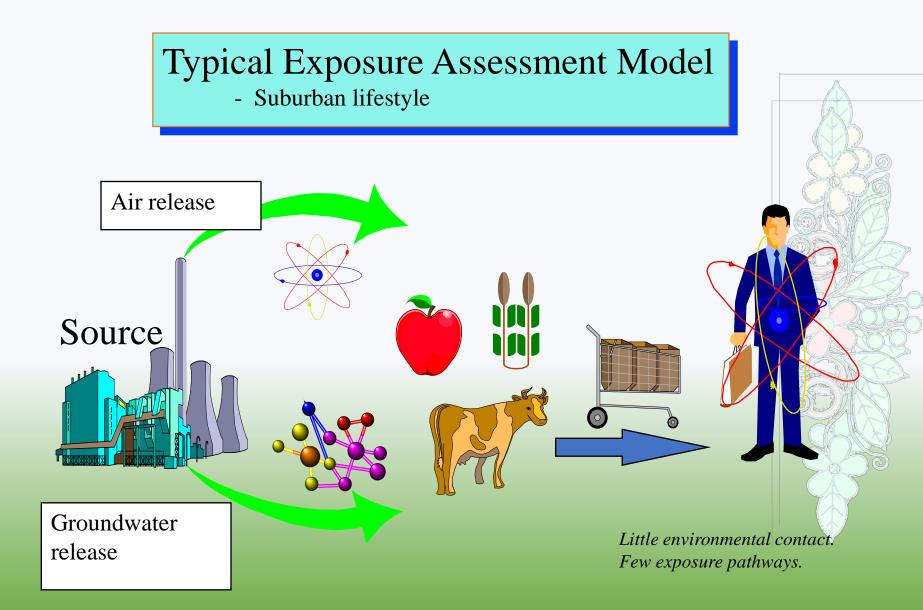


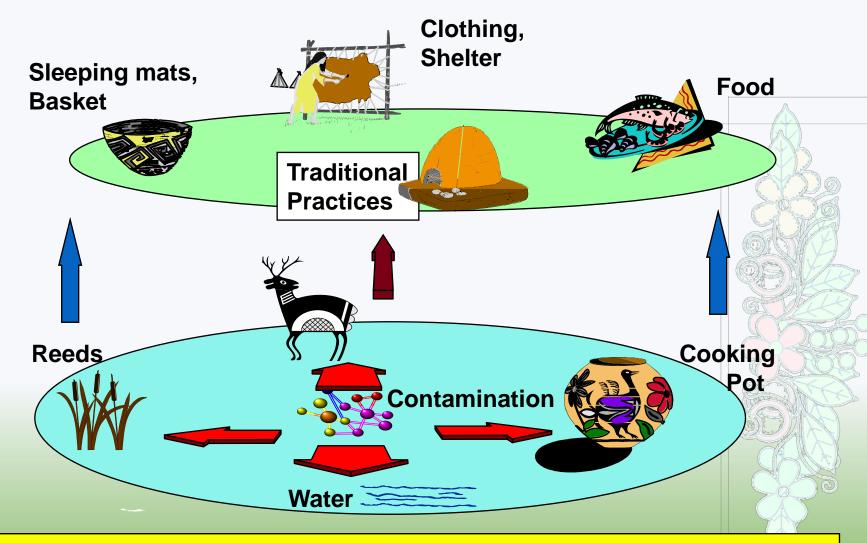


#### **Environmental Threats / Exposures**

 Approximately 125+ hazardous waste sites pose a serious threat that could potentially impact many Tribal communities

 Tribal culture is intertwined with the environment, making tribal populations more susceptible to an array of potential environmental exposures, resulting in public health scenarios that are unique to tribes and extraordinarily different than other populations





People are inextricably intertwined with the environment through unique and multiple uses of resources for food, cultural, ceremonial and religious practices.

#### **Tribal Specific Exposure Pathways**

- There exist a continuous need to understand the uniquely over looked concerns of tribal exposure pathways that result in human health effects, subsistence resources, cultural impacts and historic preservation issues.
- Technology "used correctly" can assist in providing the ability to collect and analyze complex data.
- The production of easily interpreted information that can be disseminated throughout tribal communities

#### **Encroachment of Tribal Lands**

- Eminent Domain
- Land is a limited Resources
- Will the government compensate for loss lands? New land for the taking of Tribal land for development.
- Preservation of land resources is critical for sustainability and tribal sovereignty





Treat all men alike. Give them all the same law. Give them all an even chance to live and grow. All men were made by the same Great Spirit Chief. They are all brothers. The earth is the mother of all people, and all people have equal rights upon it.

Chief Joseph, Nez Perce



# Thank you! Questions!

First Nations.com
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