



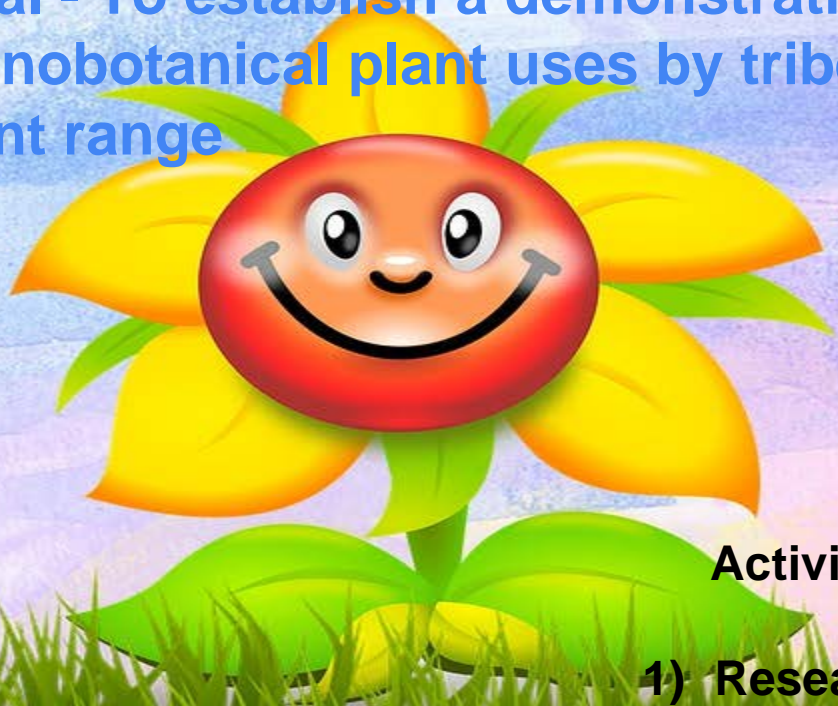
Native American Ethnobotanical Garden

Native Pollinator Garden

Sandy Stavnes -
Denver Audubon Naturalist Program

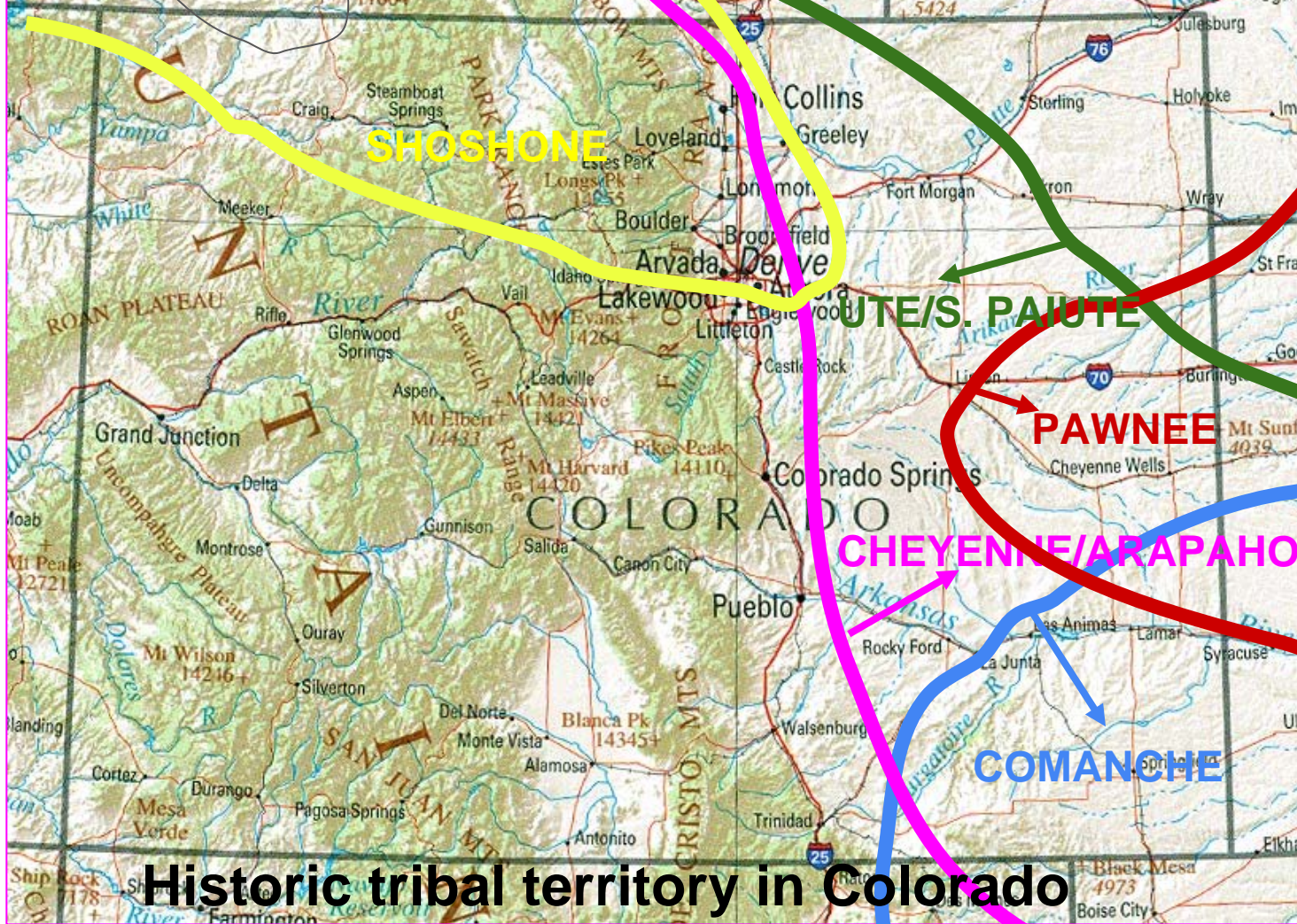


Goal - To establish a demonstration garden highlighting ethnobotanical plant uses by tribes that frequented the Colorado front range



Activities

- 1) Research**
- 2) Networking**
- 3) Implementation**
- 4) Challenges and Next Steps**



UTE ETHNOGRAPHIC AND ETHNOBOTANICAL RESEARCH IN THE BONITA PEAK MINING DISTRICT

Prepared by
Sean O'Meara, Marco P. Hopkins, Michael C. Spore, and T.J. Ferguson

● Research - Winter 2021

- Developed native plant list and uses by native americans (abbreviated list):

- *Native American Ethnobotany*, Daniel E. Moerman
- *Traditional Plant Use Study: Bent's Old Fort National Historic Site and Sand Creek Massacre National Historic Site*, Greg Campbell, Department of Anthropology, University of Montana
- *Ute Ethnographic and Ethnobotanical Research in the Bonita Peak Mining District*, O'Meara et al
- *Planting a seed: Ute Ethnobotany, A Collaborative Approach in Applied Anthropology*, Chapoose et al

DANIEL E. MOERMAN NATIVE AMERICAN ETHNOBOTANY



UTE ETHNOGRAPHIC AND ETHNOBOTANICAL RESEARCH IN THE BONITA PEAK MINING DISTRICT
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Example of data collected for select plants

Common Name	Scientific Name	Mature Size (h x w)	Water	Soil	Exposure	Flower Color	Bloom Time	Medicinal value	Tribes
Common Yarrow	<i>Achillea millefolium</i>	18"x18"	low		sun/pt sun	white	summer	Cold/Cough, Derma, Emetic, Fevers, Heart Health, Throat Aid, TB/Pulmonary	Arapaho, Cheyenne, Shoshoni, Ute
Serviceberry tree	<i>Amelanchier ainifolia</i>	15-25' x 15-20'	med		sun - pt sun	white	spring	Digestive aid (adult and ped)	Cheyenne, Arapaho (tea)
Crested Prickly Poppy	<i>Argemone polyanthemos</i>	1-3'x 1-2'	med-low		sun	white	summer	Eye/Ear, Derma, Emetic	Comanche, Shoshoni
Plains Sage	<i>Artemisia ludoviciana</i>	18"x18"	low		sun	gray green leaves	summer	Insect bites, Cold/Cough, Derma, Fevers, Stomach/Gastro, TB/Pulmonary	Arapaho, Cheyenne, Comanche, Pawnee, Shoshoni

Ute Museum and Ethnobotany Garden - Montrose, CO



- **Networking - Spring 2022**



- **Ute Museum Ethnobotany Garden - Montrose, CO**

- **Consulted with lead coordinator on process for**
 - **Plant selection,**
 - **Tribal feedback and support,**
 - **Outreach material**



- **History Colorado**

- **Consulted with Environmental Educator on strategy for seeking tribal feedback to ensure accuracy and appropriateness**



Hidden Mesa Native Amerincan Ethnobotanical Garden



- **Implementation**

- Garden planting summer 2022-23
- Feedback on outreach materials from tribal cultural and preservation officers 2023-2024
- Develop and display garden signage/outreach 2024

Hidden Mesa Native American Ethnobotanical Garden



Challenges and next steps

- Gaining support for this project as a volunteer
- Outreach development and signage will take longer than expected
 - Local government and CSU Extension vetting
 - Tribal feedback sought on plant selections and uses
 - Local government support and funding
- *Completion - 2023-24* with self guided outreach information available to public

Come visit - open sunrise to sunset!