

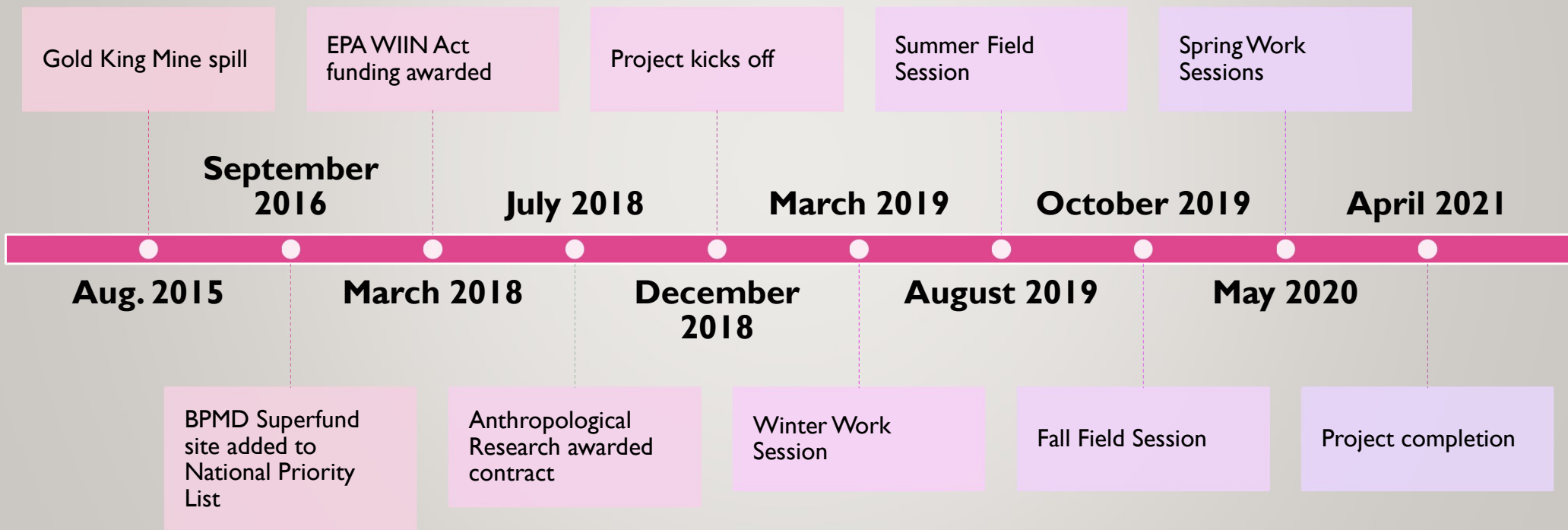
ETHNOGRAPHIC STUDY PROJECT



Environmental Programs Division
Culture Preservation Department

Report by - Anthropological Research LLC

PROJECT TIMELINE



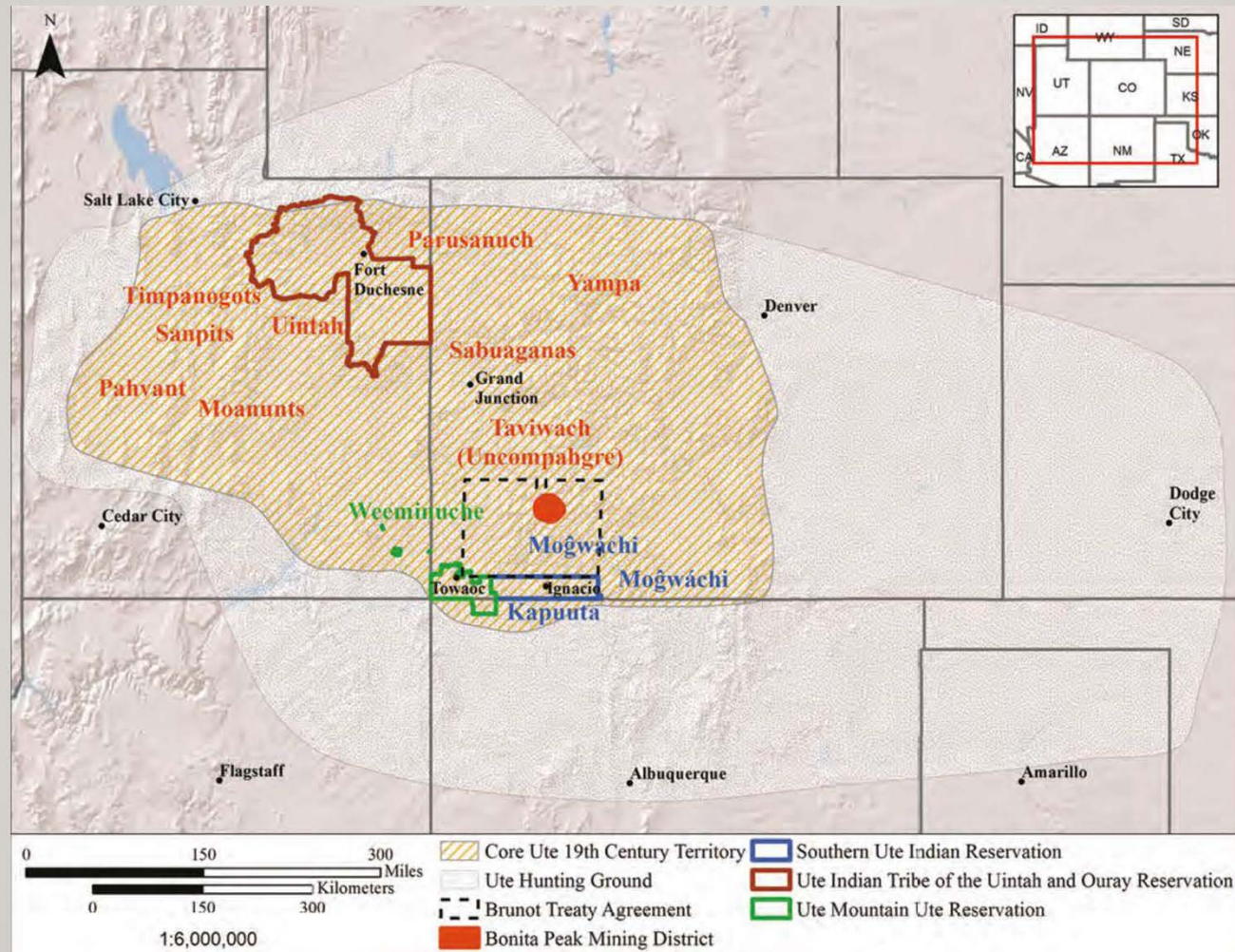
REPORT OVERVIEW

- 1) Introduction
- 2) BPMD environmental setting
- 3) Ute cultural and historical overview
- 4) Ute cultural landscape
- 5) Inventory of plants
- 6) Inventory of other traditional Ute resources
- 7) Summary and recommendations

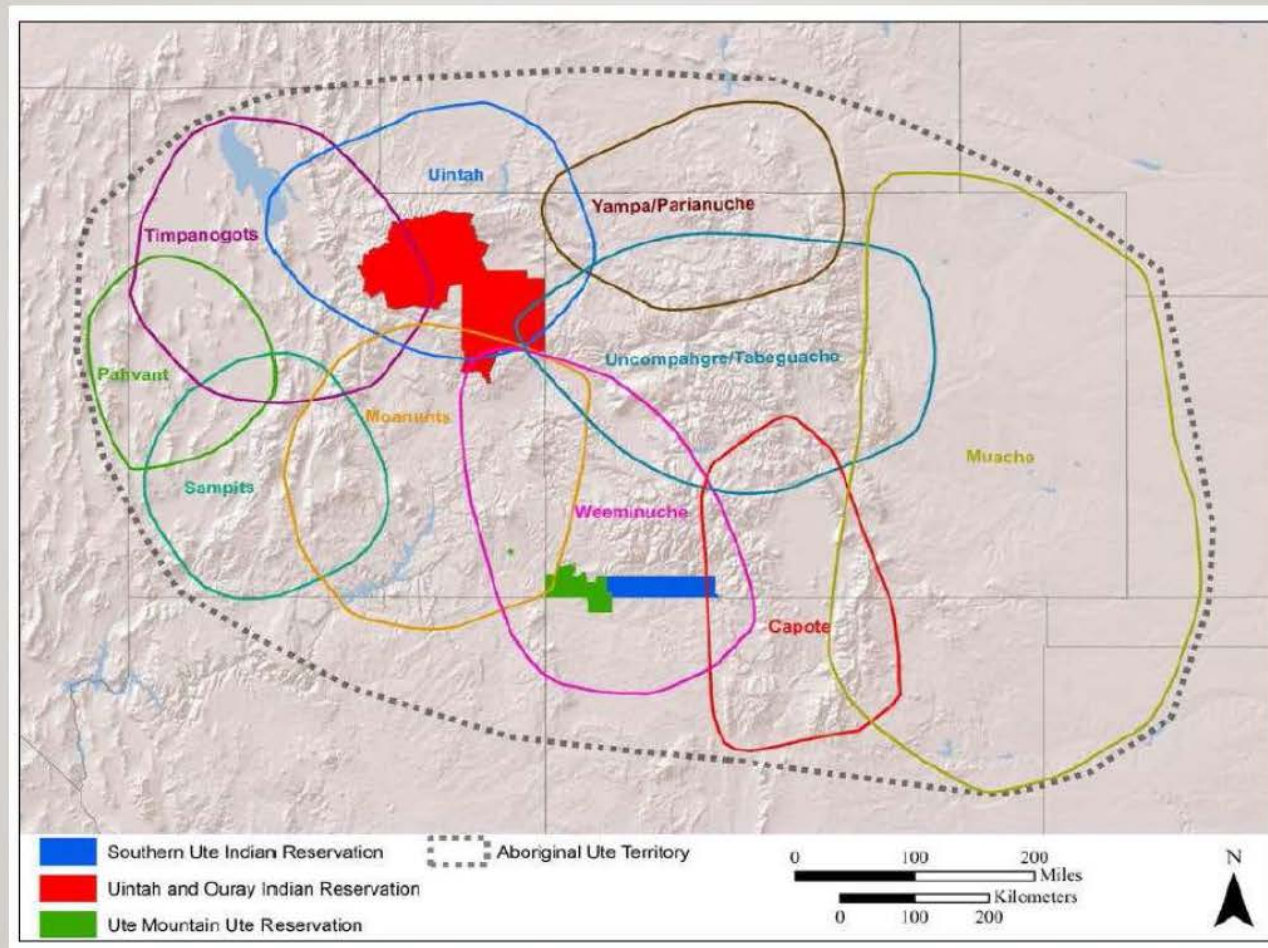


PROJECT BACKGROUND

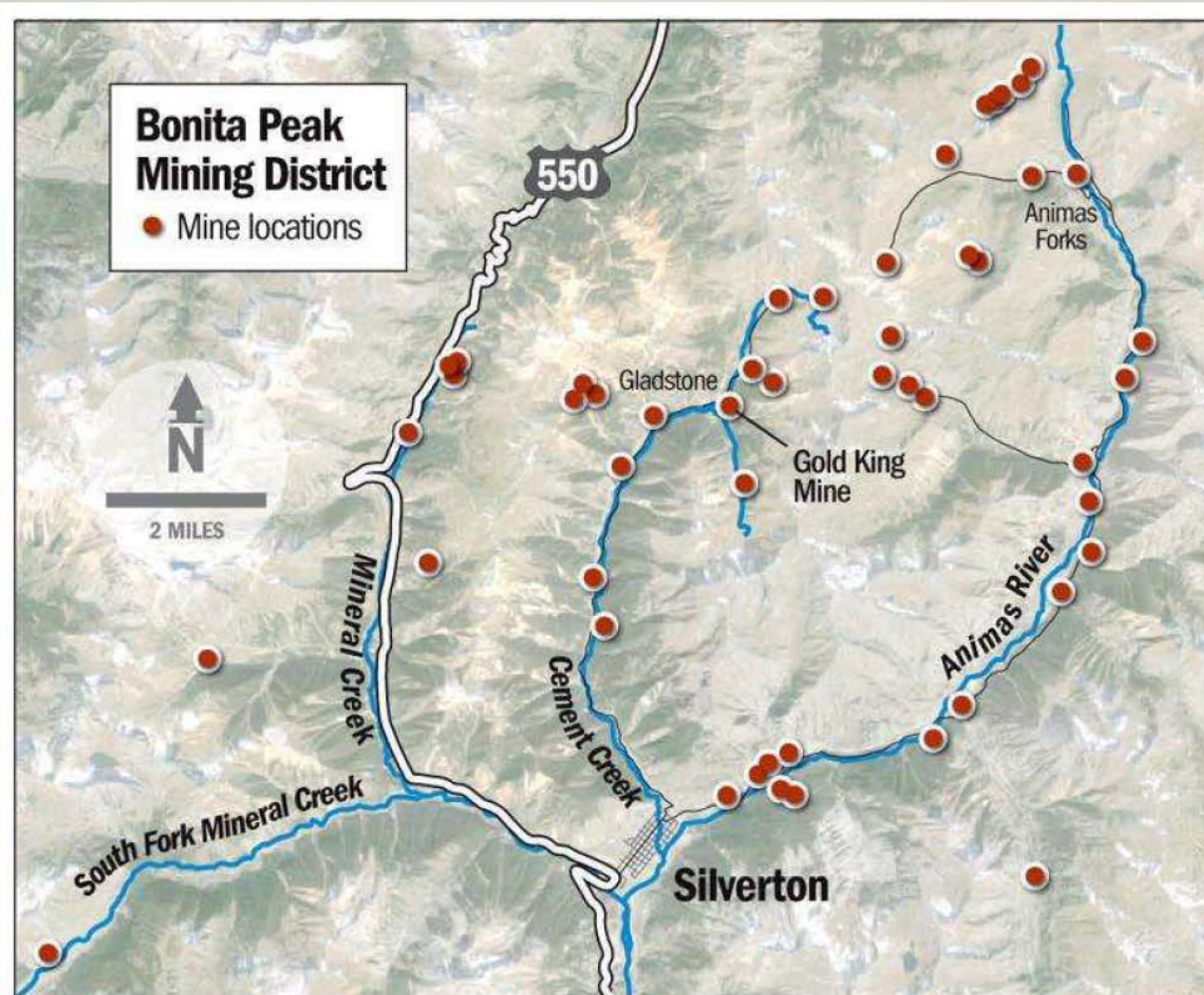
UTE NATION TERRITORY LATE 19TH CENTURY



UTE NATION TERRITORY EARLY 19TH CENTURY



LOCATION OF GOLD KING MINE









METHODOLOGY

KEY RESEARCH PERSONNEL

- -T.J. Ferguson Anthropological Research, Principal Investigator
- -Maren Hopkins Anthropological Research, Project Manager; Researcher
- -Sean O'Meara Anthropological Research, Researcher
- -Michael Spears Anthropological Research, Researcher
- -Shawn Kelley Anthropological Research, Researcher
- -William Widener, GeoSystems Analysis, Plant Biologist, subcontractor

- -Cassandra Atencio, Southern Ute Cultural Preservation Department Staff
- -Garrett Briggs, Southern Ute Cultural Preservation Department Staff

- -Nichol Shurack, Ute Mountain Ute Tribal Historic Preservation Office Staff
- -Terry Knight, Ute Mountain Ute Tribal Historic Preservation Office THPO



MS 975 (113) Jan-Mar 1966

MS 975 (114) Apr-May 66

MS 975 (115) May-July 1966

MS 975 (116) Jul-Aug 1966

MS 975 (117) Sep-Oct 1966

MS 975 (118) Nov-Dec 1966

MS 975 (119) Jan-Mar 67

MS 975 (120) Apr-May 67

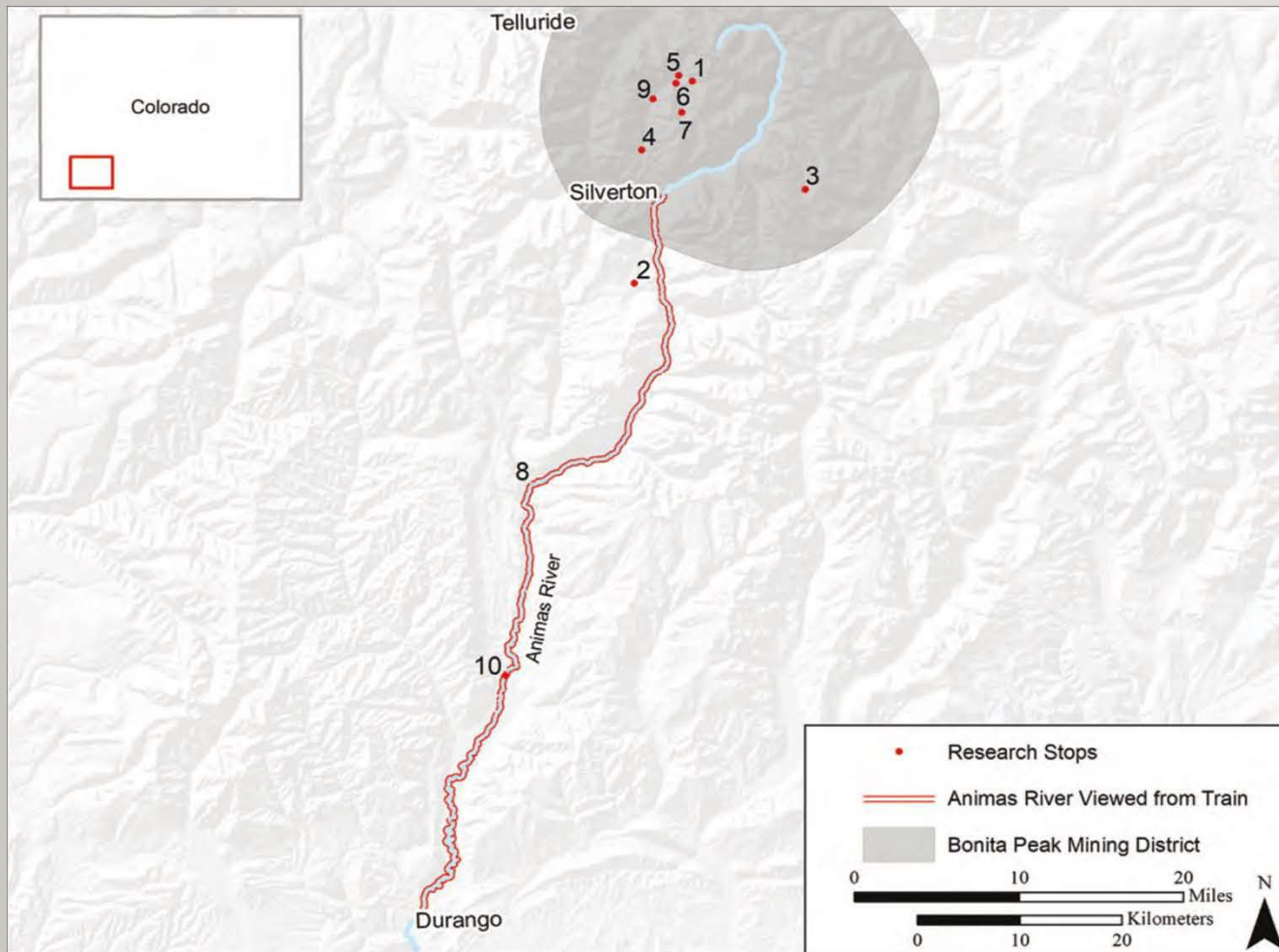
MS 975 (121) Jun-Jul 67

MS 975 (122) Aug-Sep 67

MS 975 (123) Oct-Nov 67

ETHNOGRAPHIC FIELDWORK, INTERVIEWS AND WORK SESSIONS

SUMMER / FALL FIELD SESSION



1. Gold King Mine overlook 8/19/2019
2. Molas Lake 8/20/2019
3. Maggie's Gulch 8/20/2019
4. Cement Creek, plant identification 8/21/2019
5. Gold King Mine Level 7 overlook 10/15/2019; 10/17/2019
6. Gladstone 10/15/2019
7. Velocity Basin 10/15/2019
8. Animas River 10/16/2019
9. Iron Fen 10/15/2019
10. Baker's Bridge 10/17/2019

Ute Research Participants

Alden Naranjo, Jr. 79 - S. Ute

Erwin Taylor 80 - S. Ute

Arlene A. Millich – S. Ute

Ernest Pinnecoose – S. Ute

Elsie Redd – S. Ute

Hanley Frost, Sr. – S. Ute

Linda Baker – S. Ute

Cassandra Atencio 55 - S. Ute

Edward. B. Box, III 52 - S. Ute

Garrett Briggs 34 - S. Ute

Micah Odoms – S. Ute

Xavier Watts – S. Ute

Moav Berry – S. Ute

Emily Whiteman 74 - Ute M.

Alfred Wall, Jr. 73 - Ute M.

Laverna Summa 73 - Ute M.

Helen Munoz 71 - Ute M.

Terry Knight 70 - Ute M.

Kathryn Jacket 70 - Ute M.

Mark Wing – Ute M.

Betsy Chapoose 60 - N. Ute

WINTER WORK SESSION



SUMMER FIELD SESSION



FALL FIELD SESSION





SPRING FIELD SESSION

SUMMARY OF UTE PLANT USES

Plant Use	Number	Percent
• Edible	79	41%
• Medicinal	51	26%
• Unspecified	43	23%
• Ceremonial	19	9%
• Basketry materials	15	8%
• Utilitarian	15	8%
• Shelter	7	3%
• Weaponry	6	3%
• Fuel (firewood)	5	2%
• Hygienic purposes	4	2%
• Poisonous and Avoided	2	1%
• Animal feed	2	1%
• Trail markers	1	1%
• Insect repellent	1	<1%
• Toy	1	<1%



**ACHILLEA
MILLEFOLIUM**
YARROW

***Ute Name(s):* I-am'-si-ta-gwiv (N); Quishee quish (S)**

***Traditional Use(s):* Medicinal**

***Plant Part(s) Used:* Leaf**

***Season(s) Harvested:* Unspecified**

***Ute Indian Tribe Ethnobotany:* This plant has medicinal uses and one of the terms provided, *i-am'-sĭ-ta-gwĭv* (N), translates as “wound medicine” (Chamberlin 1909:32).**



***ACHNATHERUM
HYMENOIDES***
INDIAN RICEGRASS

Ute Name(s): Nuumuvopeeav (M)

Traditional Use(s): Edible

Plant Part(s) Used: Seed

Season(s) Harvested: Summer; Fall (seed)

General Ute Ethnobotany: The seeds for this plant were parched, ground, and consumed.



ALLIUM SPP.
WILD ONION; GARLIC;
WILD CHIVES

**UTE NAME(S): SOOVWEYA (N); KÜÑ-KA (N); QUEE
CHESAGOOT (M); WISI-SIK^wU (W); KWEE CHA SEE HOOH
(N) KWECHUSAGOOT (N); SEEVERGRAVP (N); CEBOLLA (N);
BADASI (N); PHUTUS (N); PATASI (S); SAQO-PATASI (S); SIGU'A
(S); SGU-PATASI (S); KWICHA-SUGU'A (S)**

TRADITIONAL USE(S): EDIBLE

PLANT PART(S) USED: BULB; LEAF

SEASON(S) HARVESTED: SPRING (BULB; LEAF)

**GENERAL UTE ETHNOBOTANY: TRIBAL RESEARCH
PARTICIPANTS AND KELLEY AND OTHERS (2017:4.3-6)
IDENTIFY MULTIPLE SPECIES OF WILD ONION (A.
ACUMINATU; A. BISCEPTRUM; A. CERNUUM; AND A. GEYERI)
AS A TRADITIONALLY IMPORTANT UTE FOOD SOURCE**



AMELANCHIER ALNIFOLIA
SERVICEBERRY

Ute Name(s): Jewap (S); Joowump (S); To-ûmp' (N);
Toowump (S); Tuwa=pi (W)

Traditional Use(s): Edible

Plant Part(s) Used: Fruit

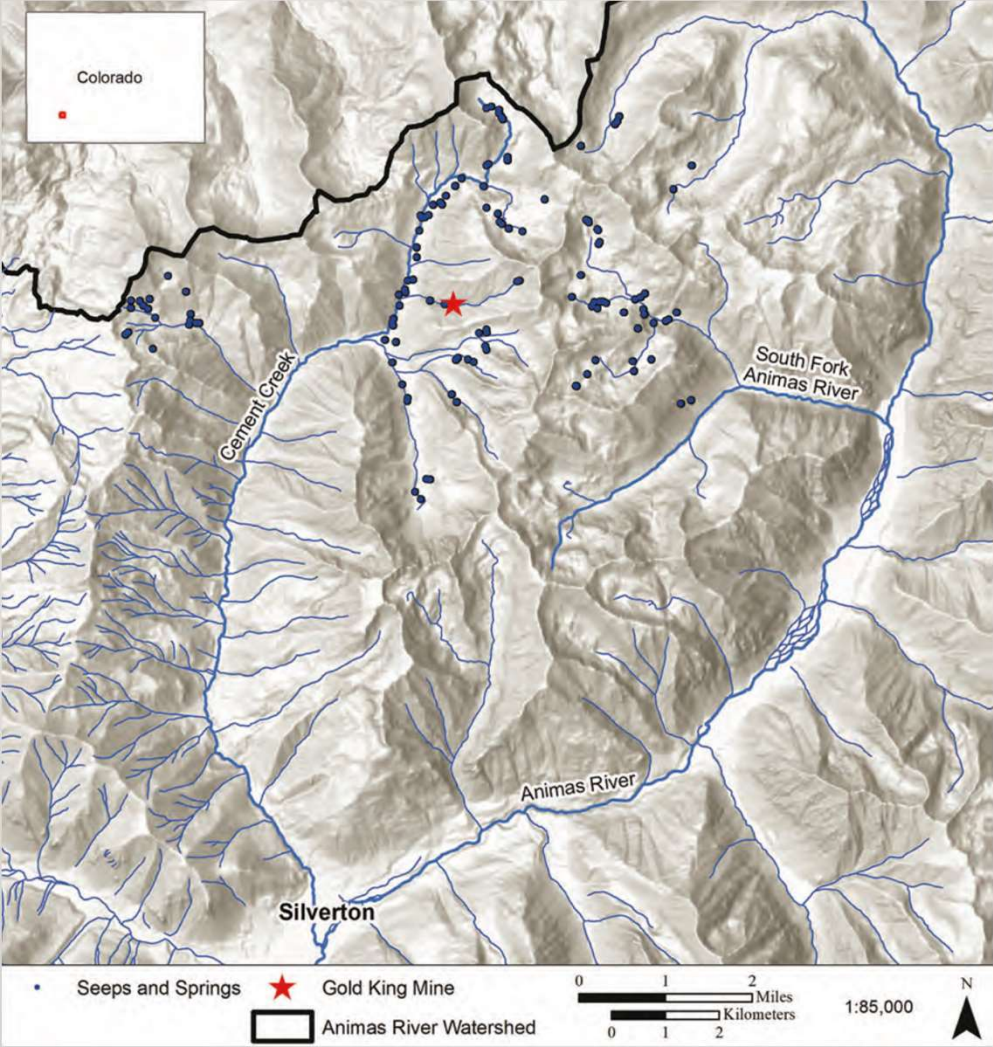
Season(s) Harvested: Fall

General Ute Ethnobotany: These berries ripen and are gathered in the fall. Berries are eaten fresh or dried and eaten over winter.

OTHER UTE TRADITIONAL - USE RESOURCES



WATER





FUTURE OF THE PROJECT



NEXT STEPS

PLANTS FOR TOXICOLOGICAL STUDY

- Aspen, quaking
- Beebalm
- Buffaloberry
- Cattail
- Chokecherry
- Cottonwood
- Currant
- Kinniknick;
Wild Tobacco;
Bearberry
- Mountain
mahogany
- Mint, wild
- Oak
- Onion, wild
- Osha; Bear root
- Raspberry
- Red willow
- Sage, fringed
- Sage, mountain
- Spring beauty
- Strawberry, wild
- Sumac, three-
leaf
- Willow

TOXICOLOGY STUDY

August
2021

September
2021

October
2021

April 2022

June 2022

August
2022

September
2022

- Kick off call with SUIT

- EPA QAPP revisions

- Fall collection trip

- Spring collection trip

- Summer collection trip

- Late summer/early Fall collection trip

- Final report due

QUESTIONS?

[HTTPS://WWW.SOUTHERNUTE-NSN.GOV/JUSTICE-AND-REGULATORY/EPD/WATER-QUALITY/](https://www.southernute-nsn.gov/justice-and-regulatory/epd/water-quality/)