



EARTH KEEPER

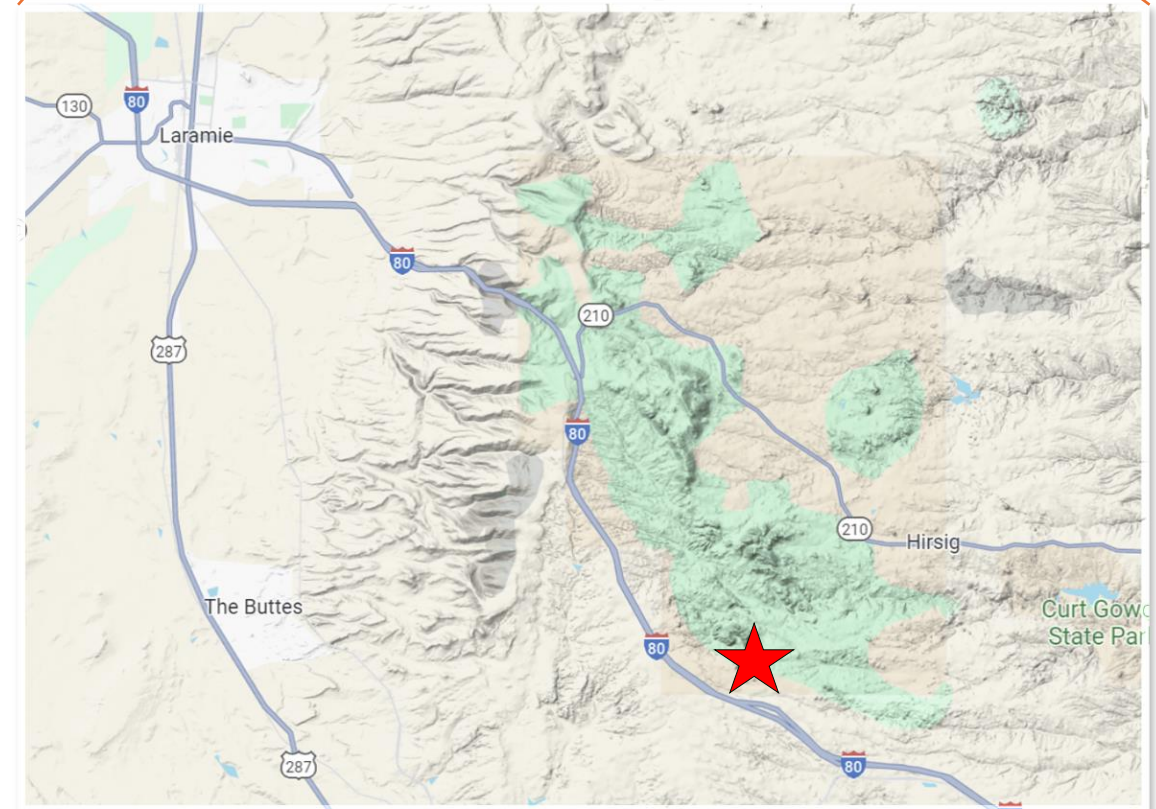
Educational Center

Vedauwoo, WY

Leslie Berger
LAND 357 SU24

Vedauwoo Recreation Area

It is located in the Medicine Bow National Forest Pole Mountain Area. Conveniently located on Interstate 80 near Buford, Wyoming, about 25 miles east of Laramie, Wyoming.



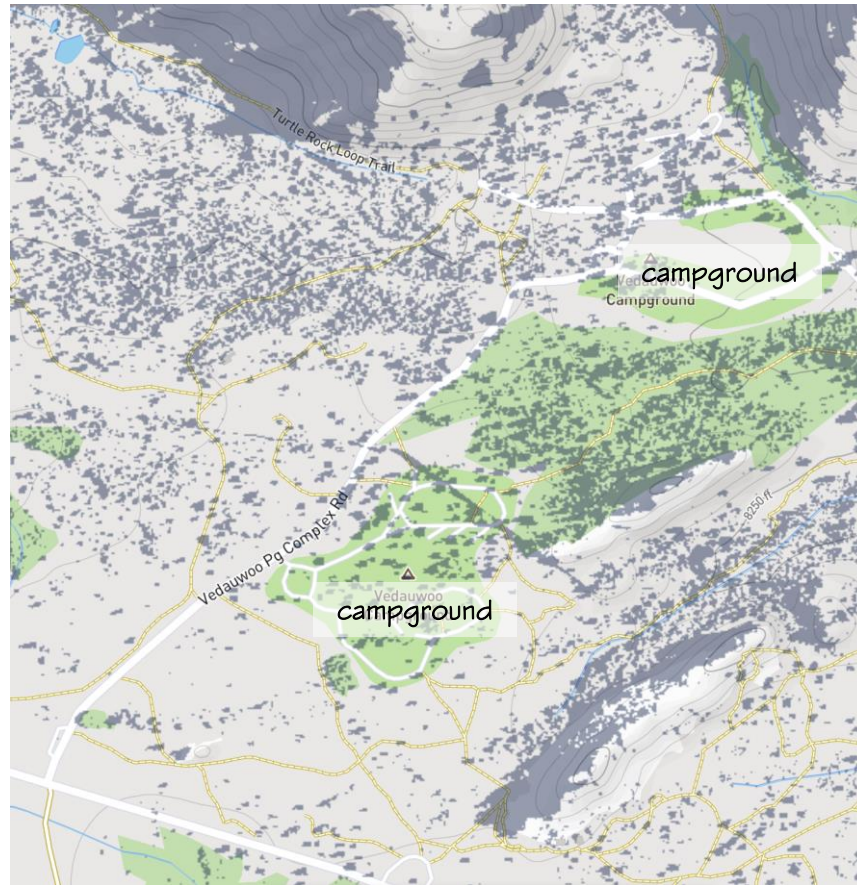
site photos & video



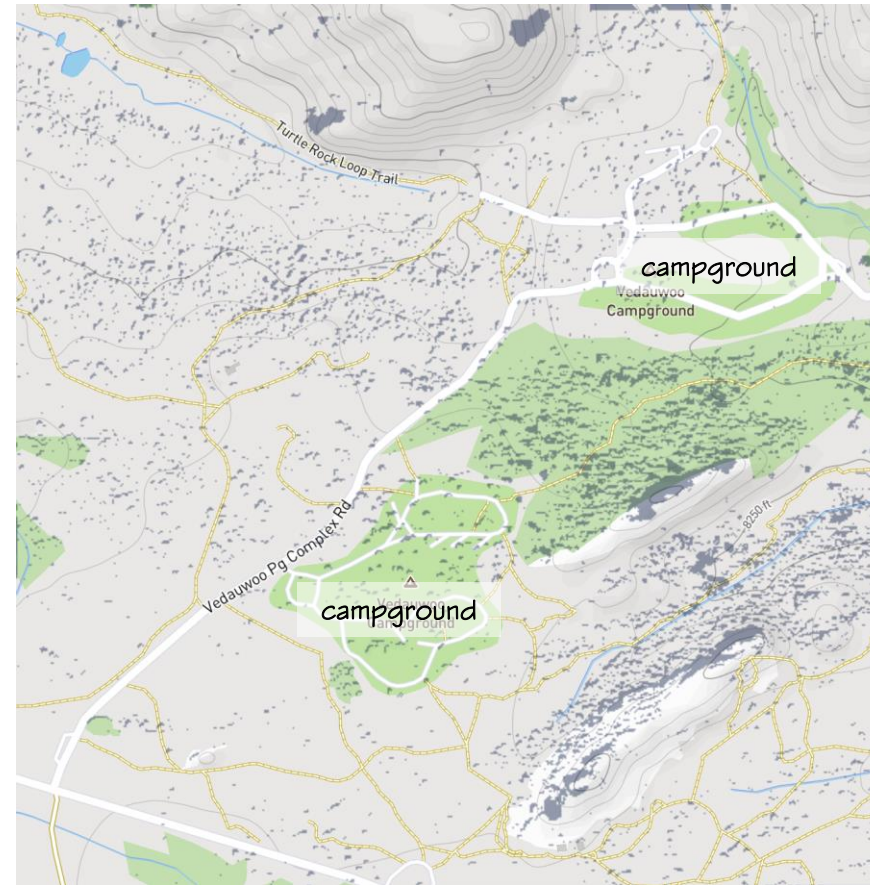


<https://youtu.be/rTwb0zfoSK0>

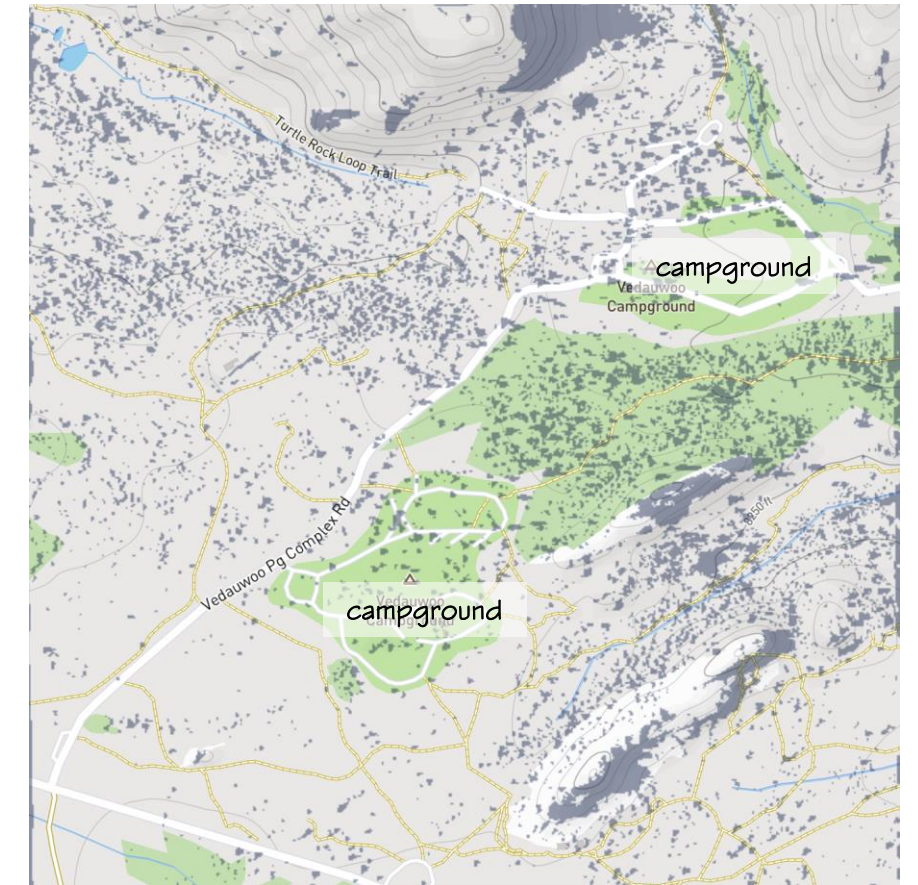
shade: June 21, 8 AM



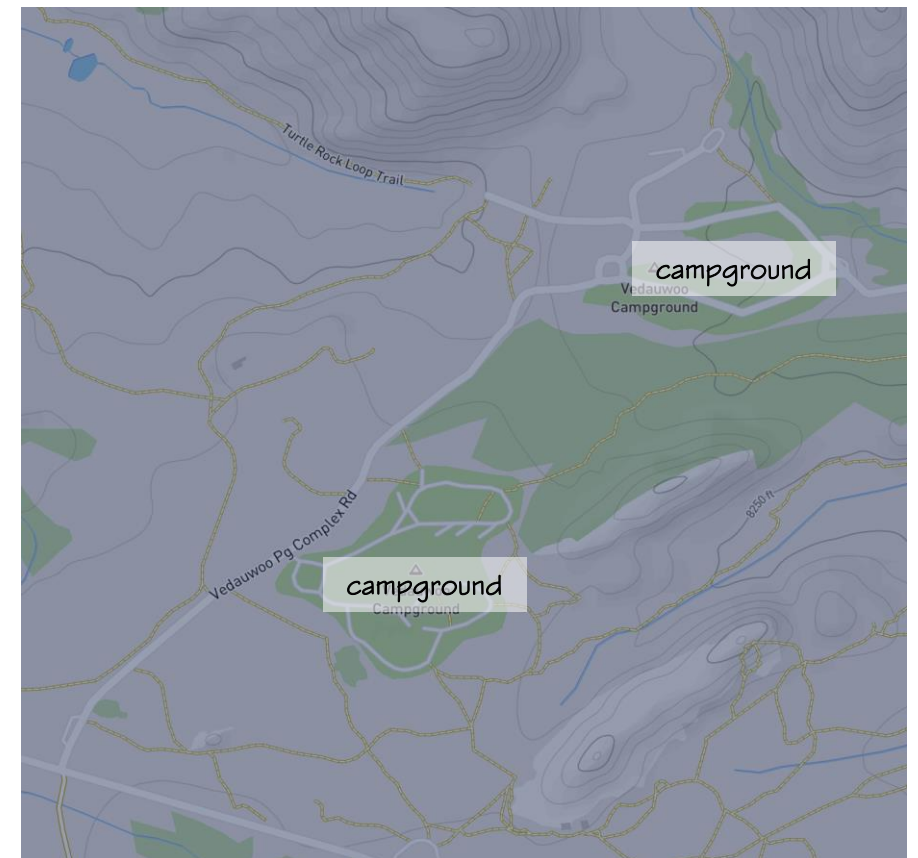
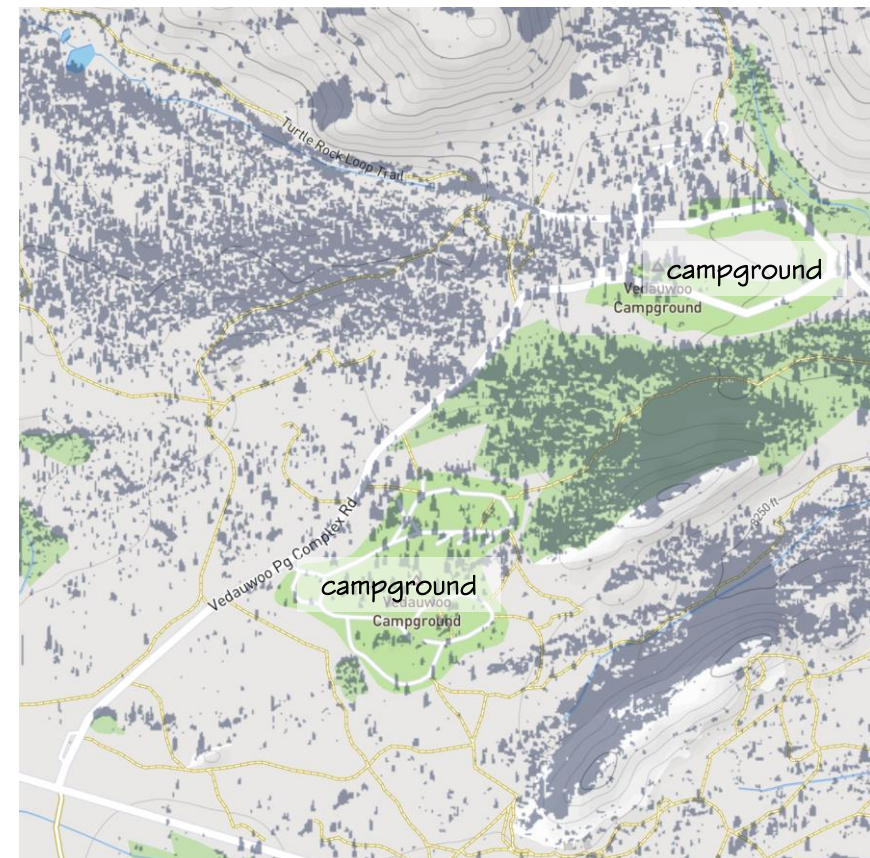
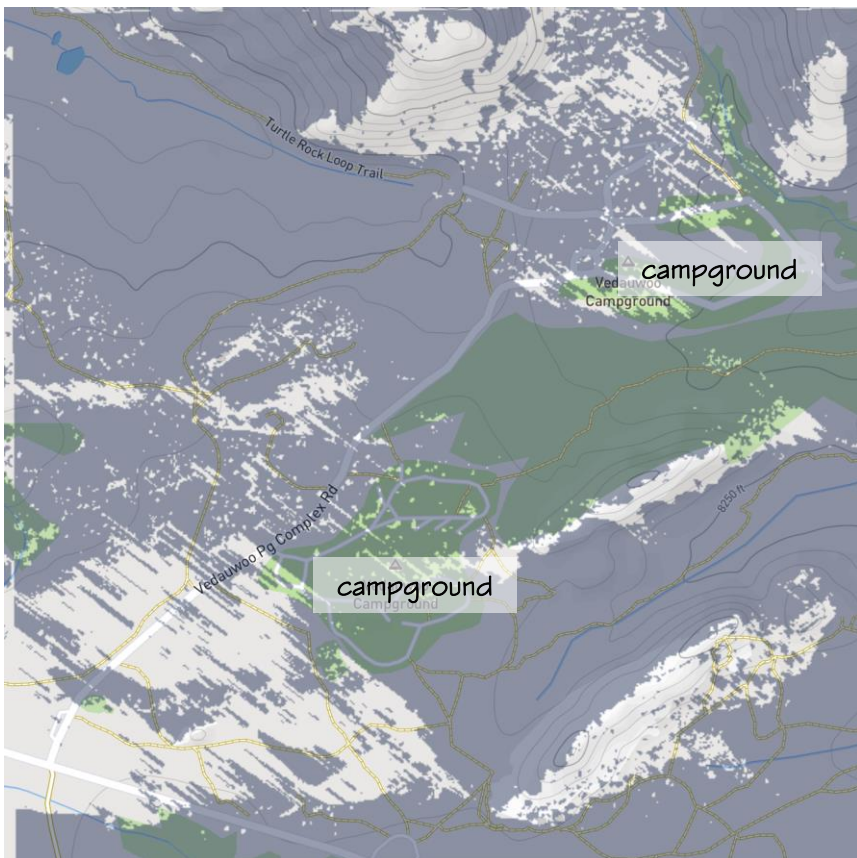
shade: June 21, noon



shade: June 21, 5 PM



(ShadeMap for 41°9'29"N 105°22'35"W)

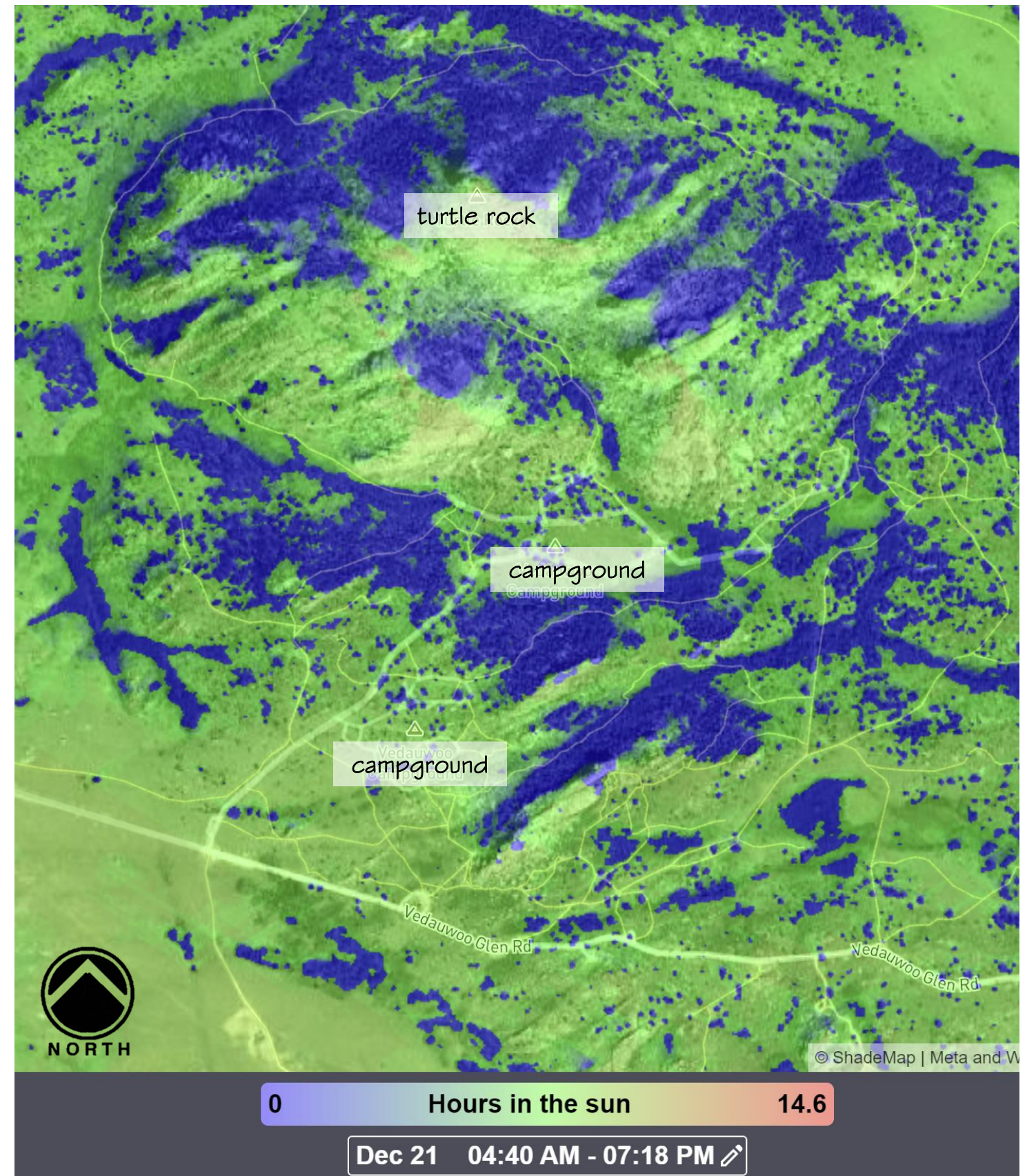
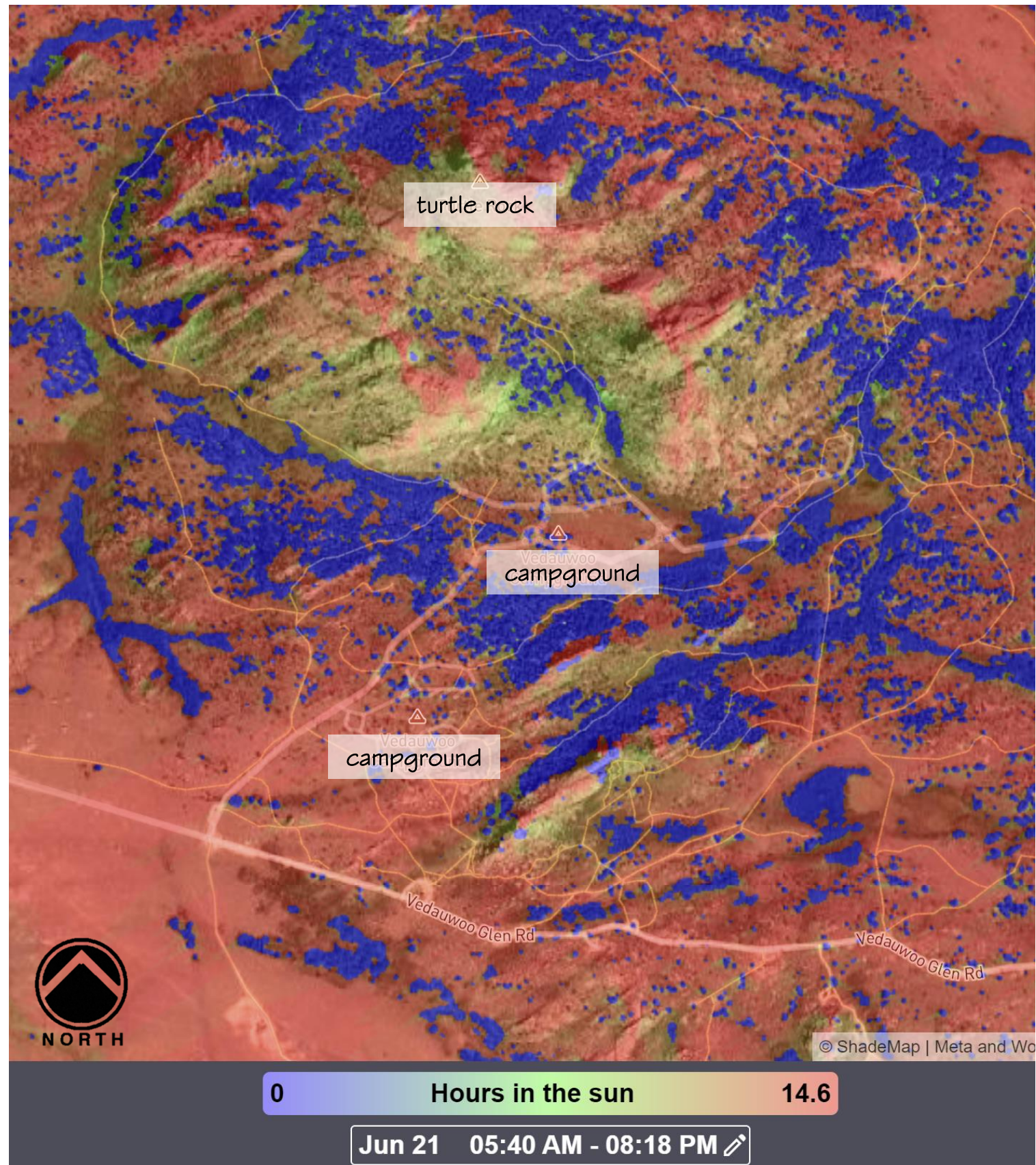


shade: Dec 21, 8 AM

shade: Dec 21, noon

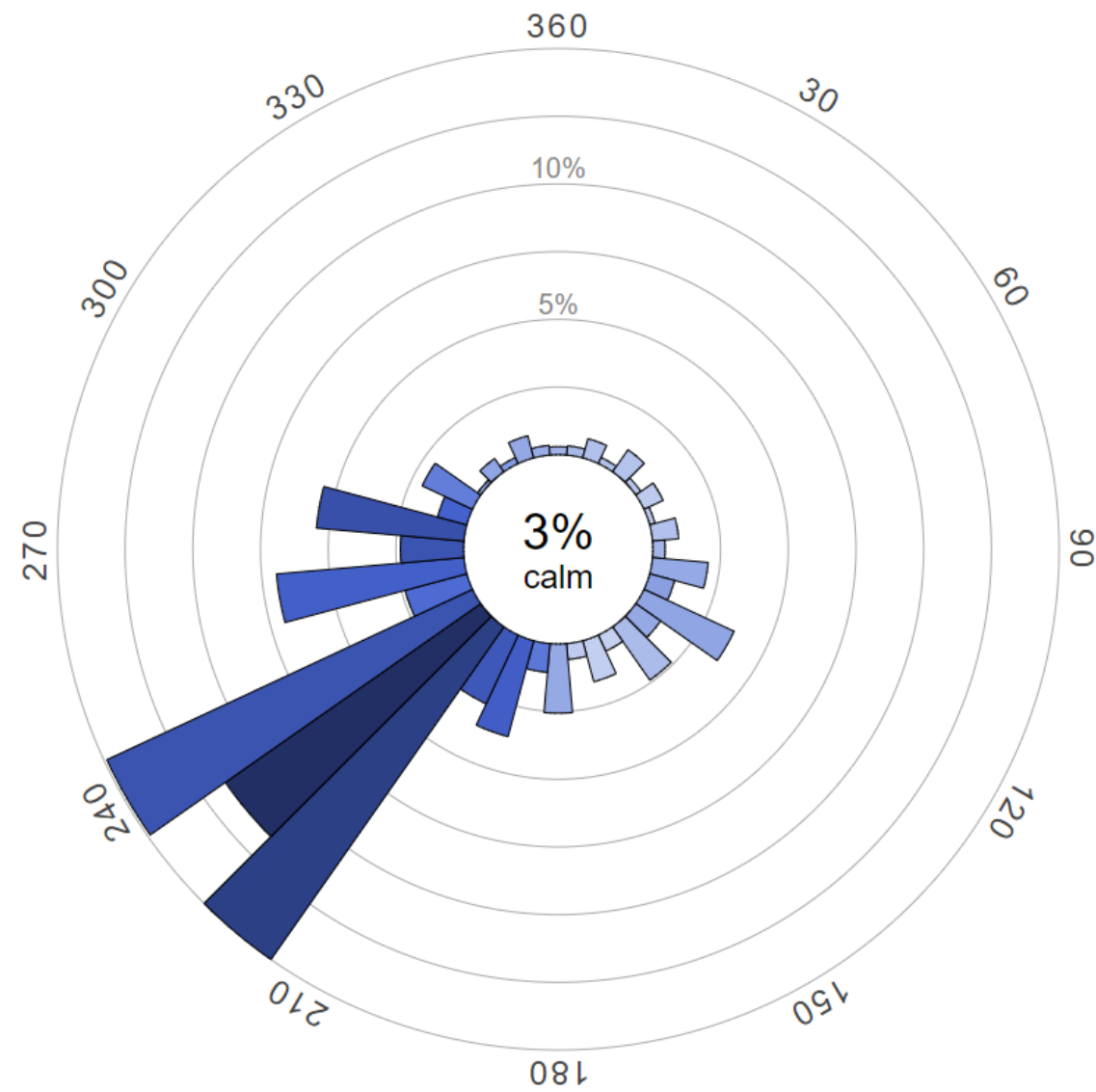
shade: Dec 21, 5 PM

solar exposure

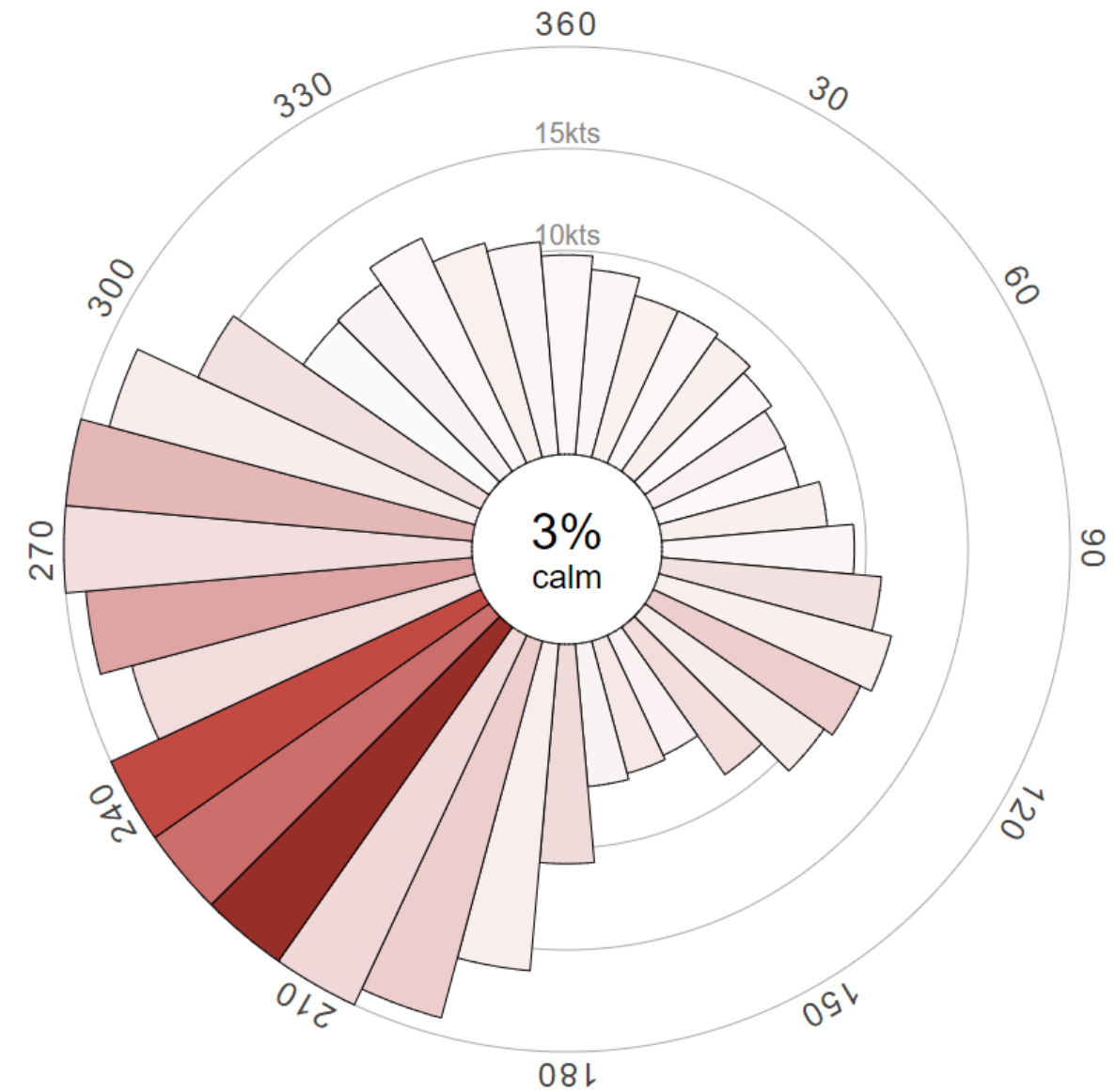


(ShadeMap for 41°9'29"N 105°22'35"W)

wind exposure



Frequency by Direction

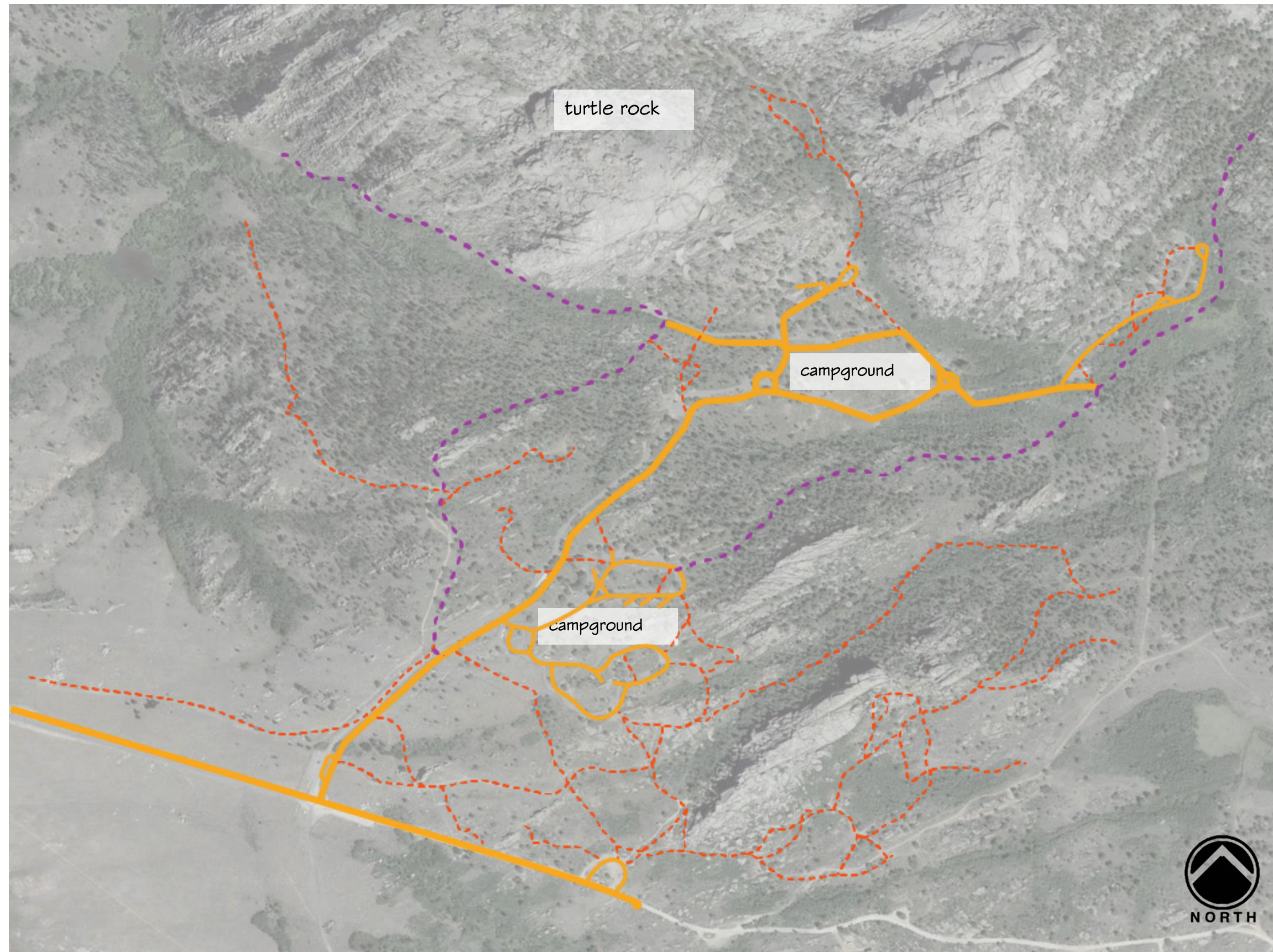


Average Speed by Direction

Diagrams of prevailing winds at KVDW: Vedaauwoo.

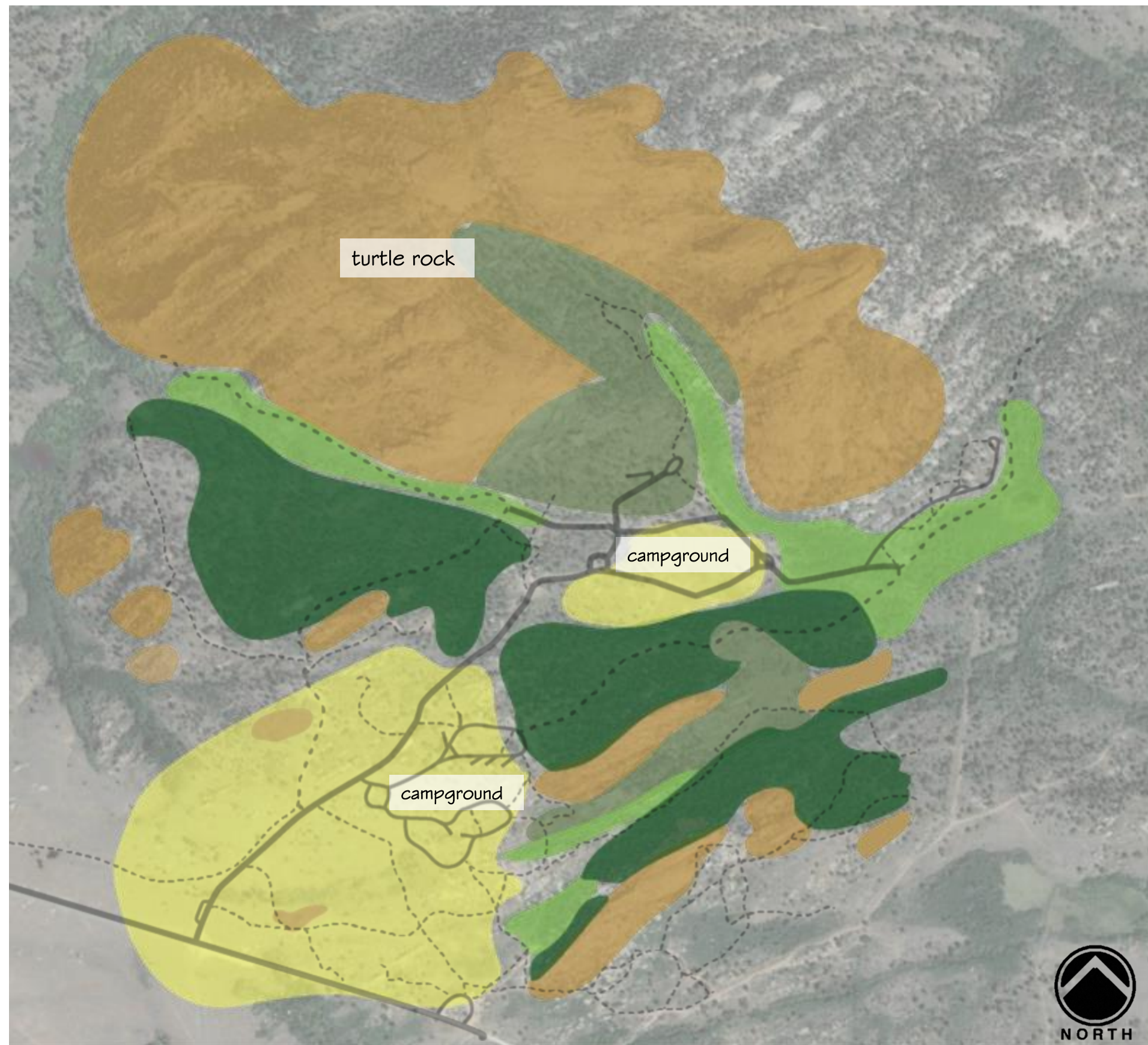
Wind History for KVDW. windhistory.com/station.html?KVDW.

existing circulation



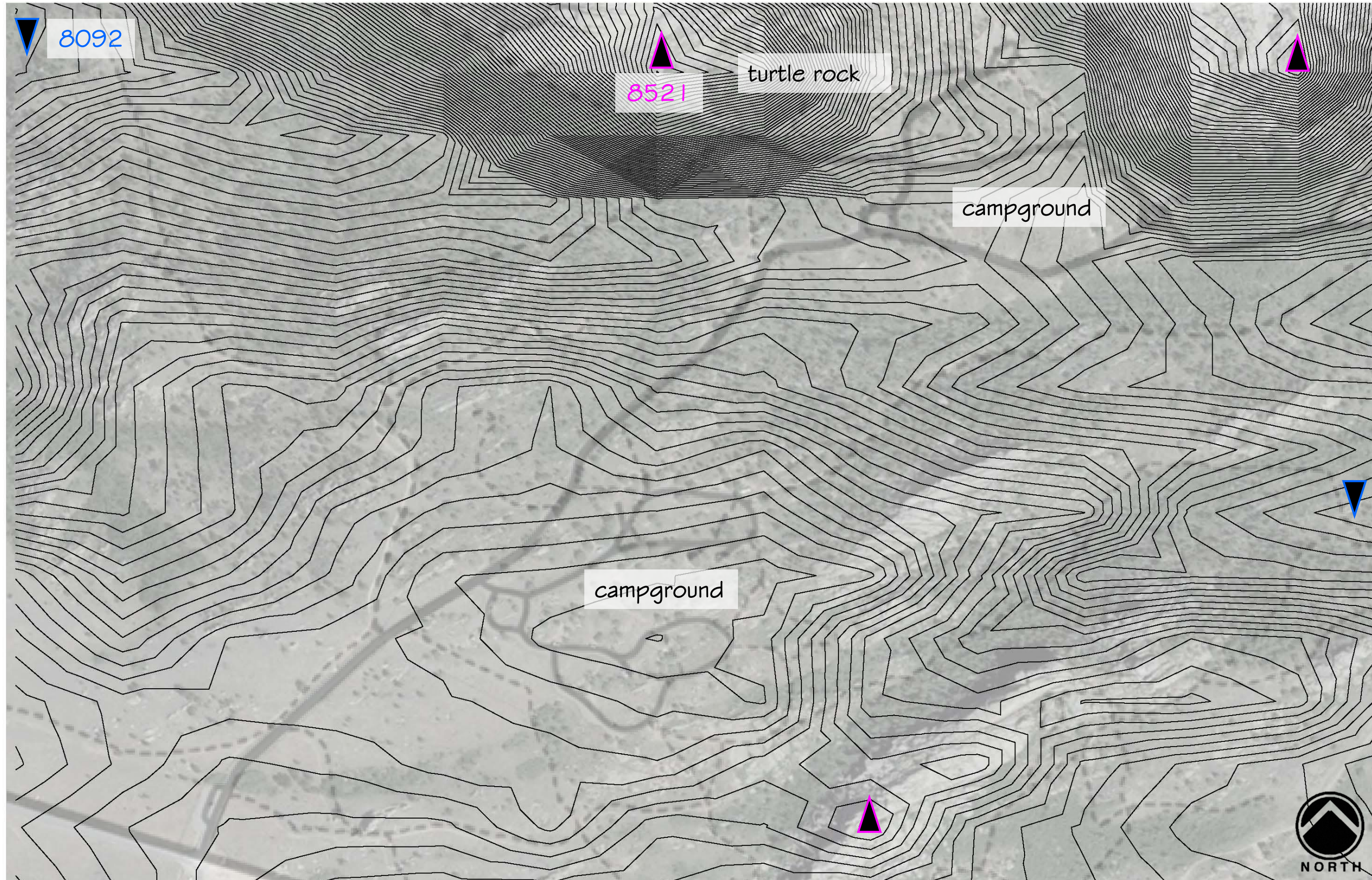
- asphalt roads
- - - dirt hiking trails
- - - dirt hiking/biking trails

landcover/microclimates

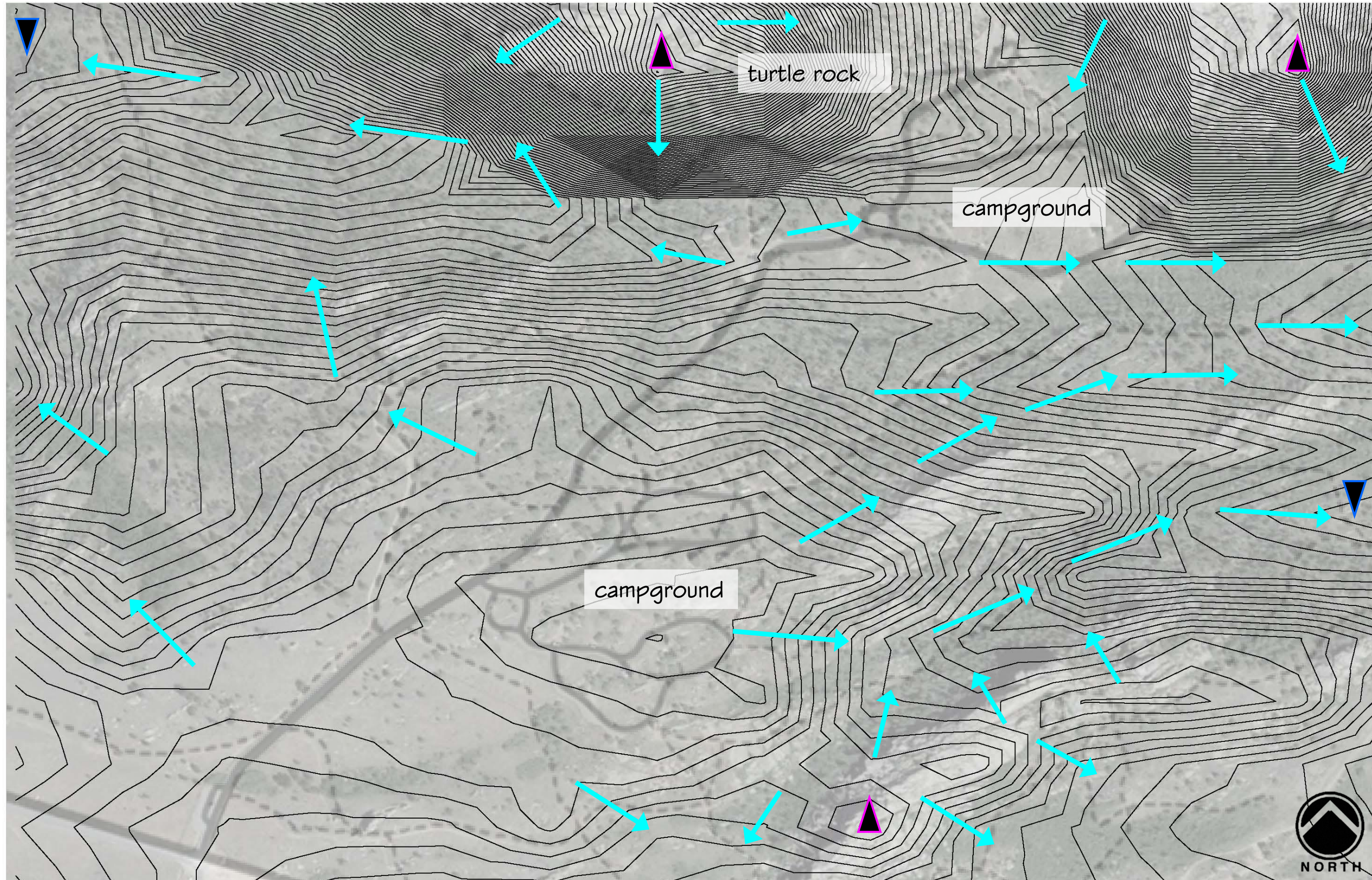


- Sherman granite outcroppings
- coniferous areas
- deciduous/evergreen areas
- aspen/cottonwood groves
- shrublands

topography



hydrology



- ▲ high point
- ▼ low point
- flow line

history collage



~1.4 bya

Formed as batholith in Precambrian Period

~70 mya

Laramie Range uplift forces batholith to surface

1700s

Tribal migration led to overlapping territories of Arapahoe, Cheyenne, Sioux, Shoshone, & Ute.

1800s

Western passage search bring colonists through the area, increasing hunting, raiding and trading.

1860s

Building of transcontinental railroad leads to mass deforestation of area. Rock formations known as "Skull Rocks."

1919

Completion of the Lincoln Memorial Highway brings more travelers through the area.

1920s

UW Professor dubs the area Vedauwoo, loosely derived from Arapahoe, meaning "land of earth-born spirit."

1930s

Conservation corps reforest area.

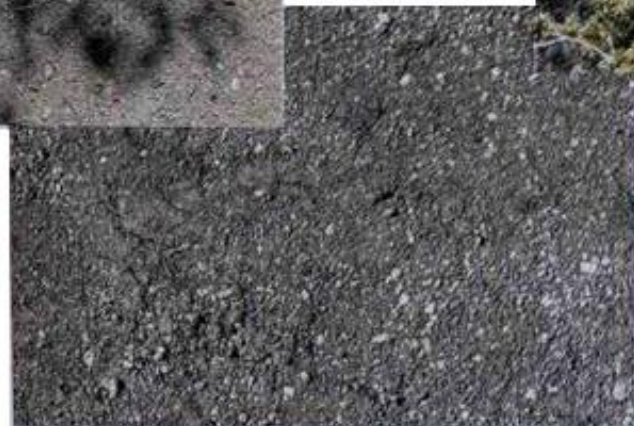
Today

Vedauwoo is known for thrilling rock climbing, mountain biking, camping, and hiking.

photoworks – “sentinel”



photoworks – “charges”





photoworks – “ingredients”





sketches, ink, & watercolor



Hood's Phlox

Phlox hoodii

05.14.24 Vedaunoo WY

- 25 in tall
- perennial
- forms a tight mat or loose clump on ground
- short stems emerge from woody taproot
- common flower in sagebrush country
- mostly in dry, steep slope areas
- appears moss-like until blooming
- sharp pointed leaves, less than 1/3" long
- flowers consist of five petals, varying colors can be found (blue, pink, white)

Color swatches: G00, GY2, Y2, GY3, GY5

Diamondleaf Saxifrage

Saxifraga rhomboidea

RV29, R410, Y613, Y617, E34

May 14 2024 Vedaunoo, WY

- one round cluster of flowers per stem.
- alpine ridges & high meadows
- grows 5-7" tall
- diamond shaped leaves, up to 2" long
- 1889 Edward Lee Greene collected the first specimen on San Francisco Mountain in Arizona
- named it in 1890.
- John Small renamed it *Micranthes rhomboidea* in 1905.

swcoloradowildflowers.com

Pulsatilla patens

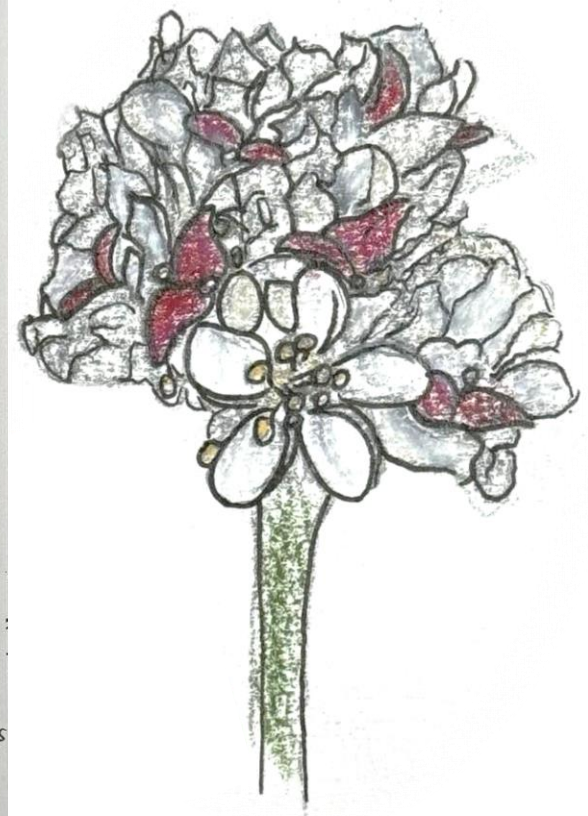
Eastern Pasquiflower

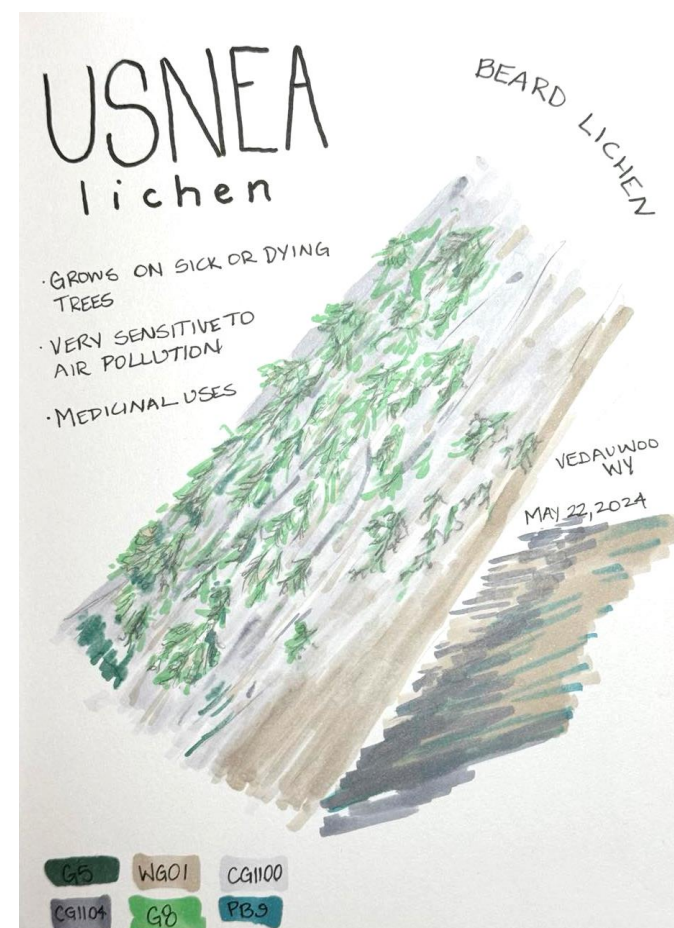
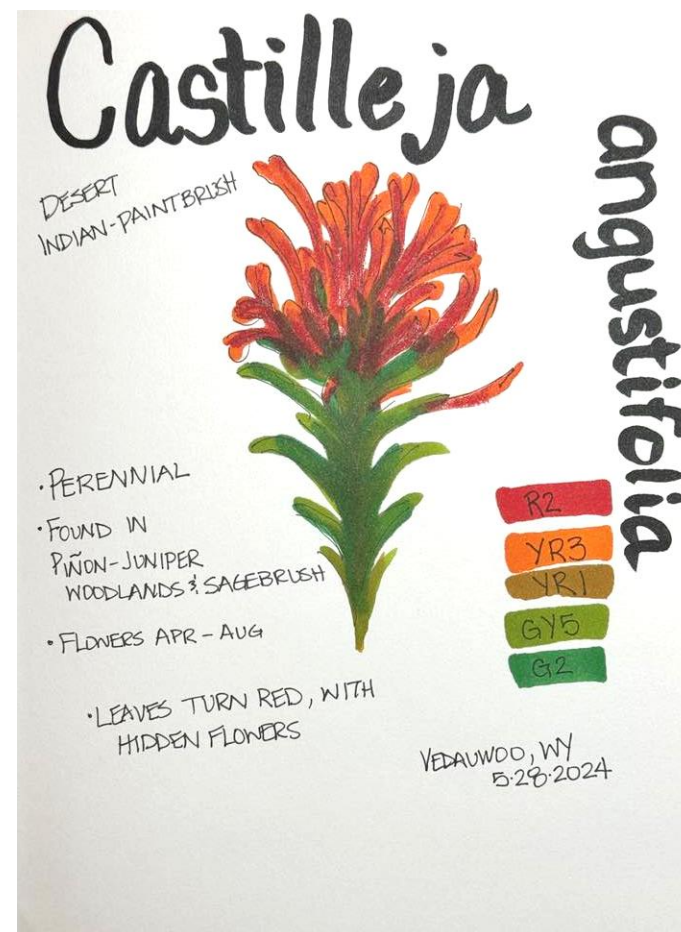
5.14.24

VEDAUNOO WYOMING

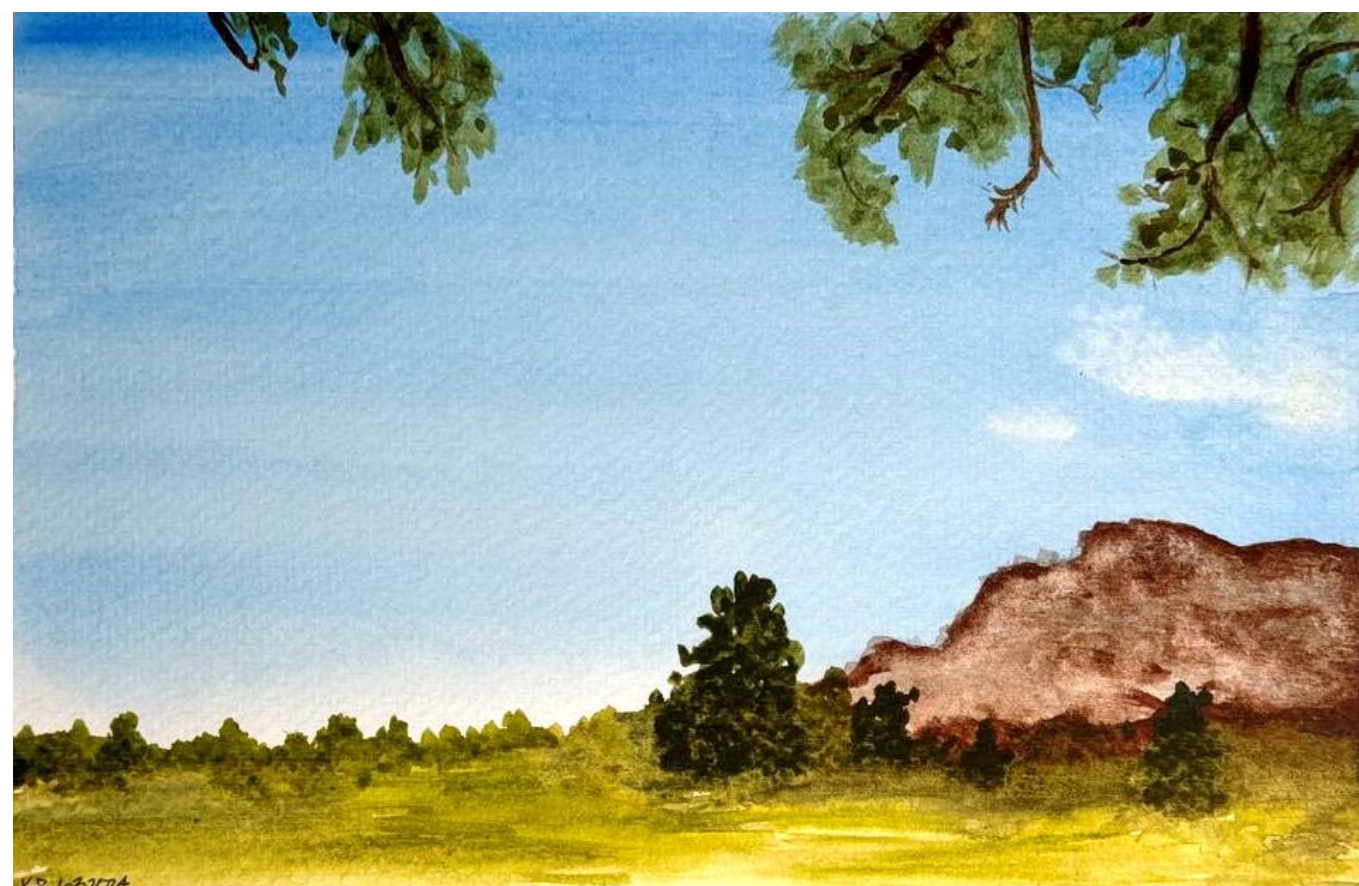
- up to 2ft tall when flowering
- Perennial
- furry leaf clusters appear after snow melts
- large, showy, lavender flower
- long, silky hairs cover finely divided, deep lobed leaves, giving a silvery green.
- long plumes of seed-like fruit follows flower.
- native to high altitude, ponderosa pine communities
- bloom period greatly affected by altitude

Color swatches: R11, G61100, G5, GY1, Y2, Y3





sketches, ink, & watercolor



architecture precedents



PureHaven Homes, Heber City, Utah



ASUL Architects, Ambiente Hotel, Sedona



Butterfly House, Kevin Valley Design



Great Escape Cottage, House Plan Co.



Midcentury modern by David Henken



outdoor gathering



entrance sign

architecture precedents



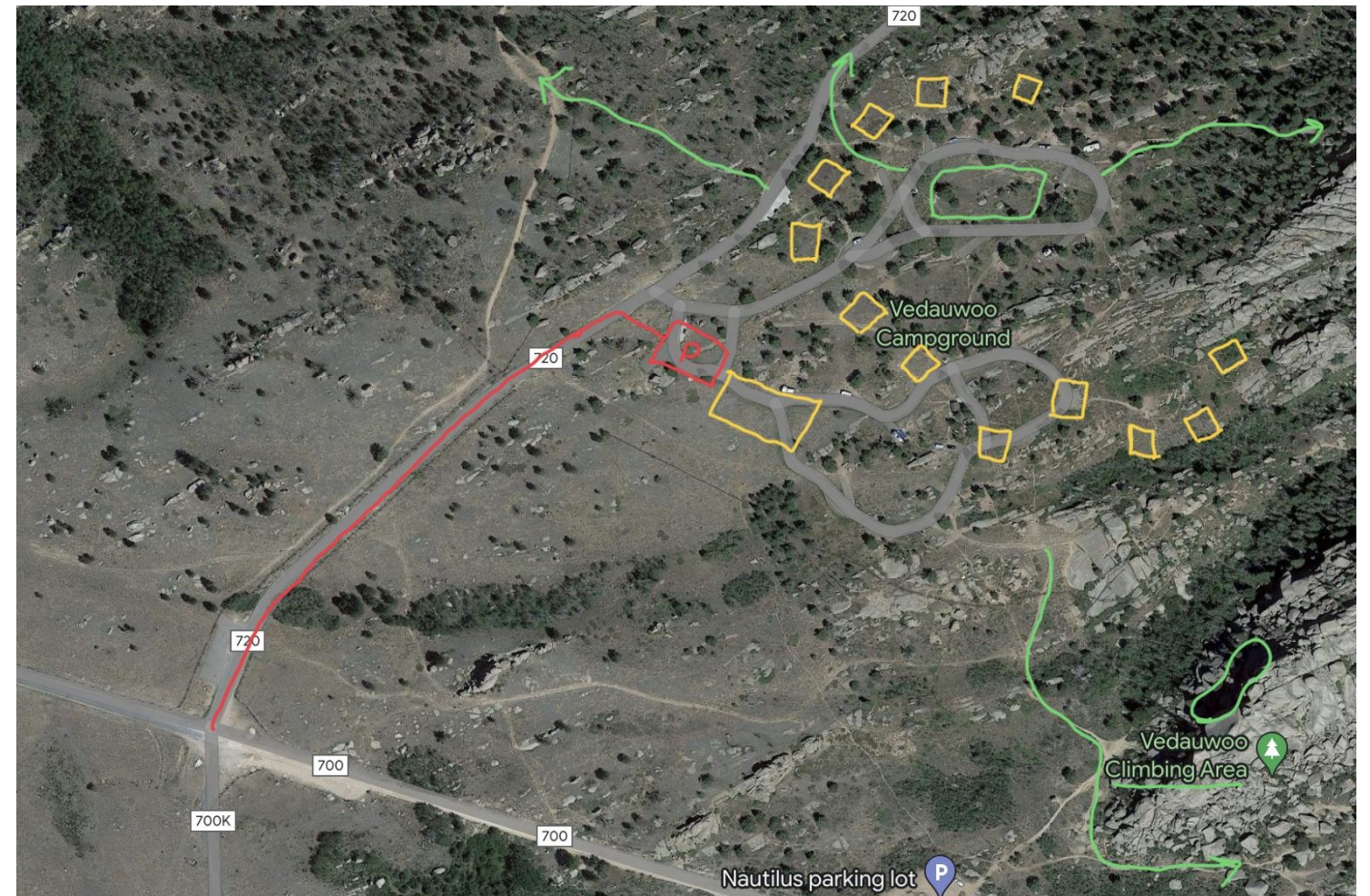
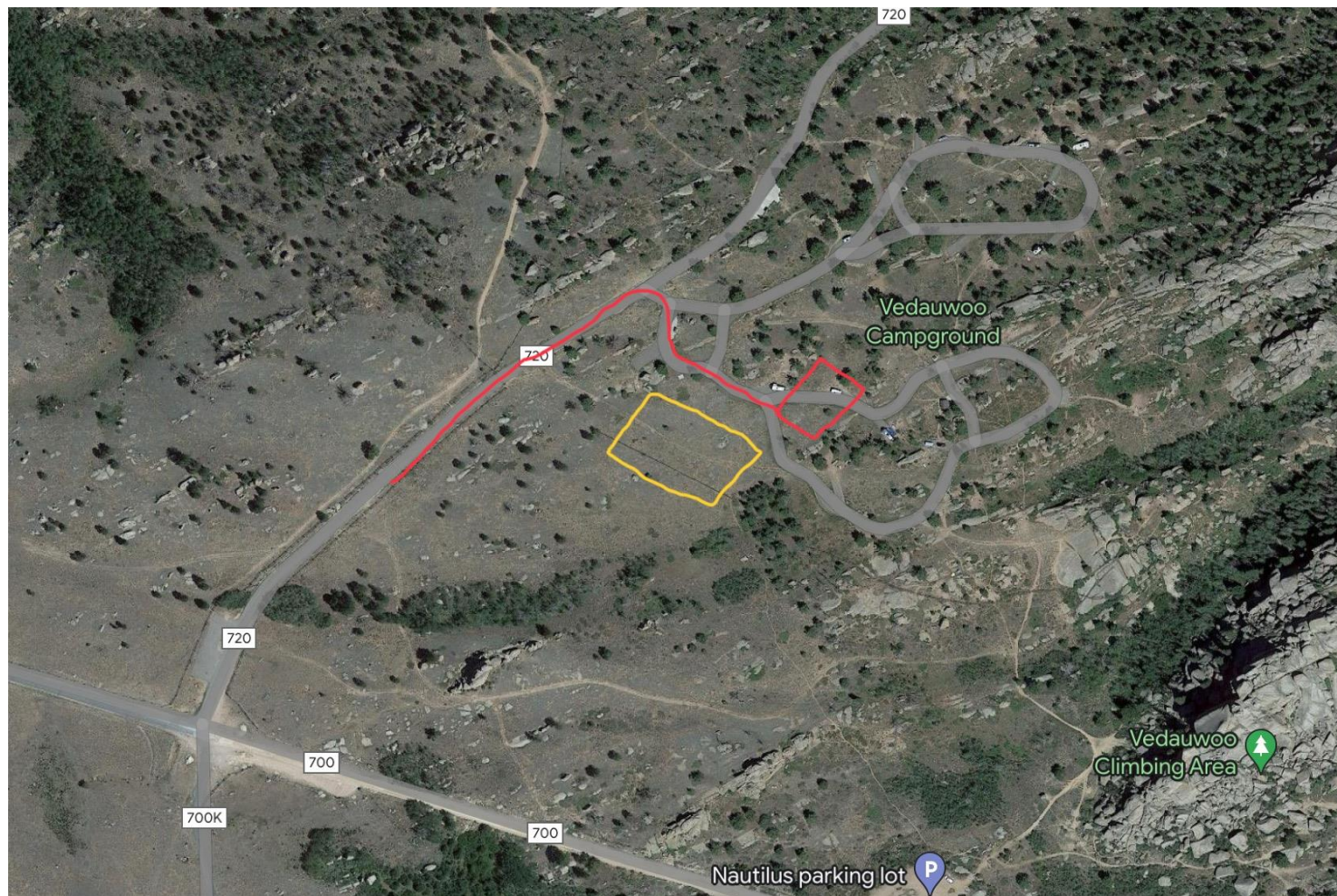
Haystack Mountain School of Crafts,
Edward Larrabee Barnes







RainShine House, Robert M. Cain

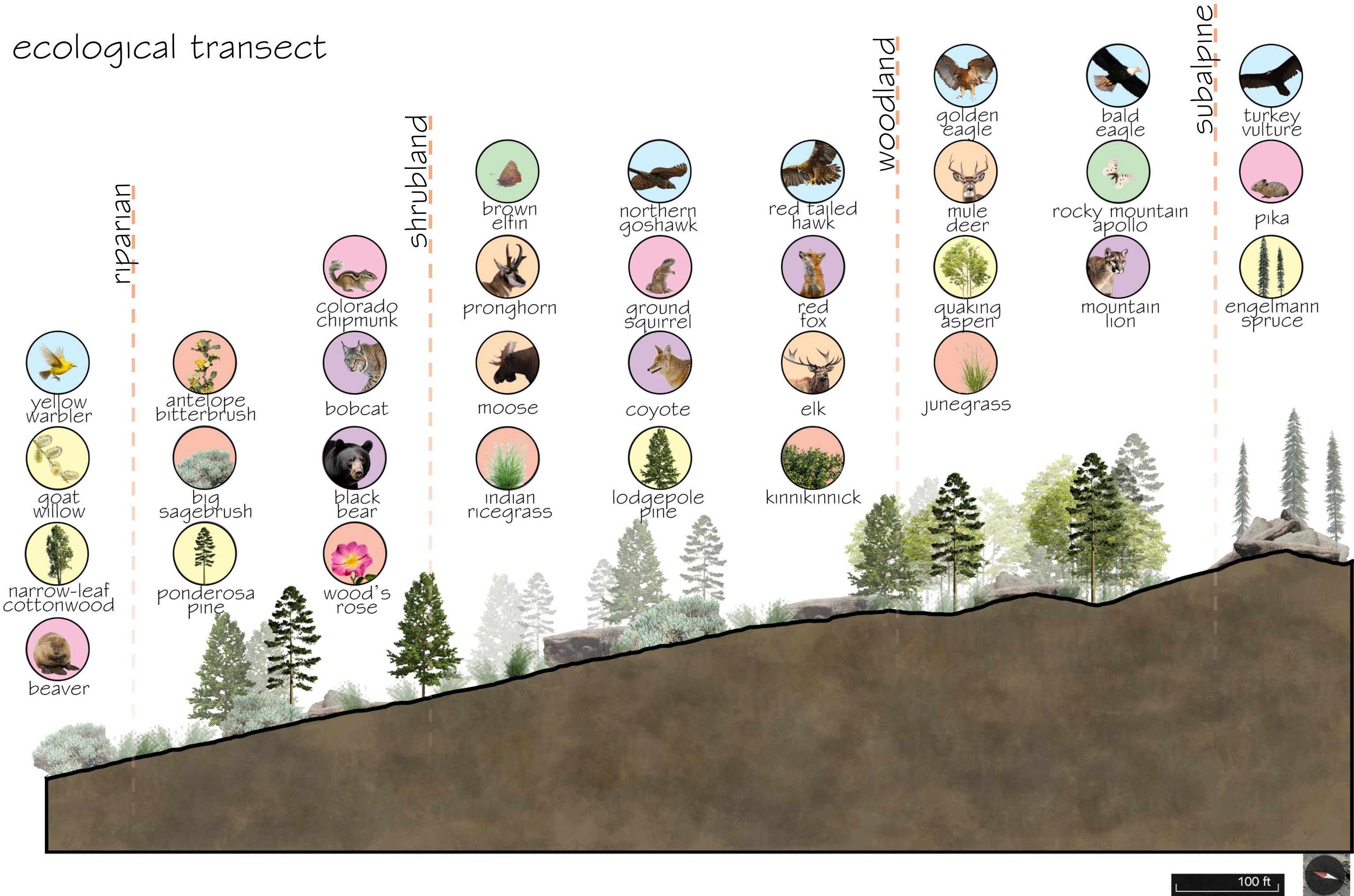
design ideation studies

various iterations of layout



-  building/s
-  road/parking
-  outdoor classrooms/programming
-  existing views to protect

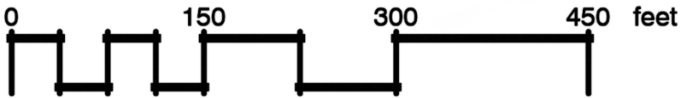
ecological transect



schematic campus plan

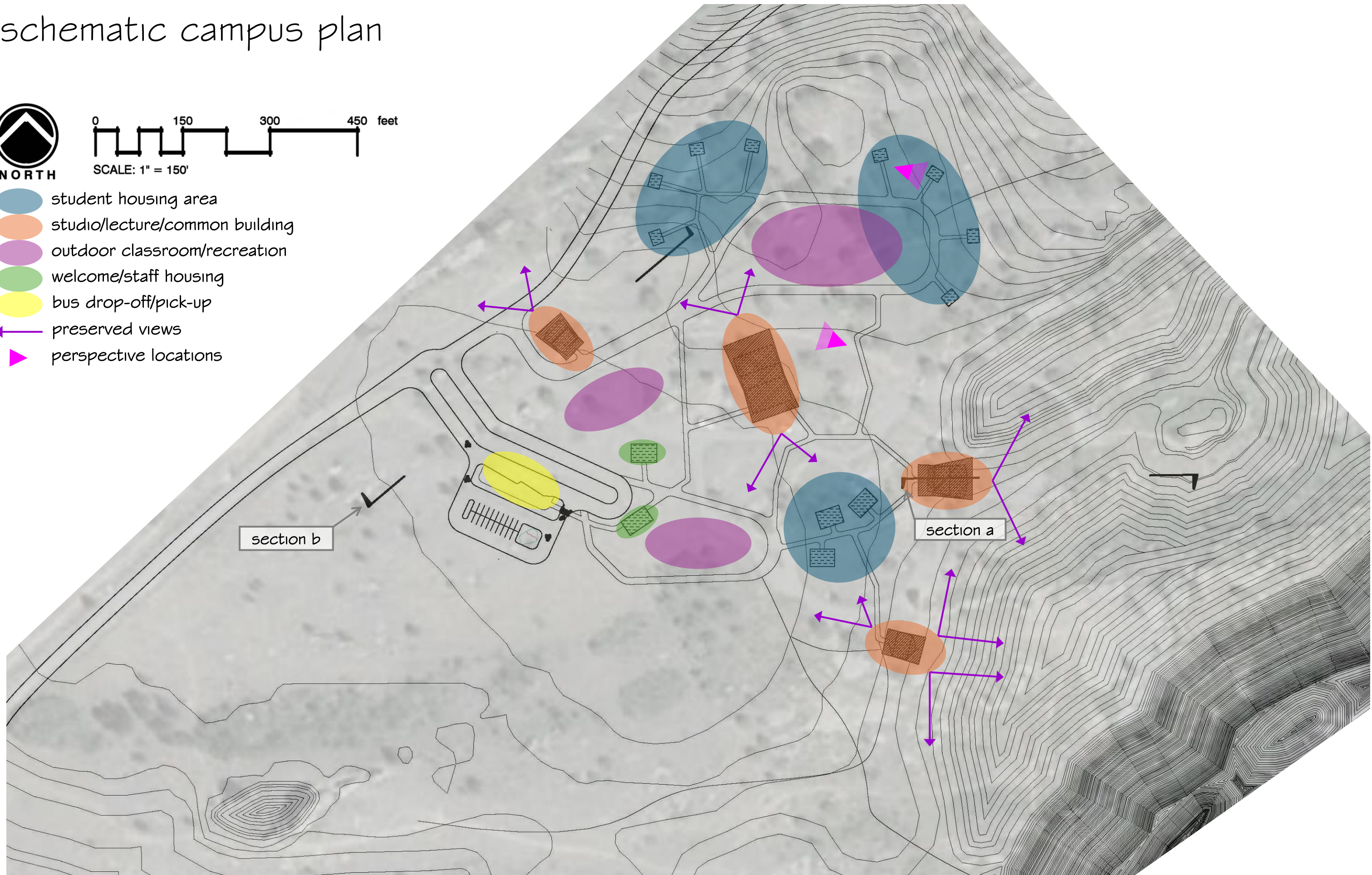


NORTH

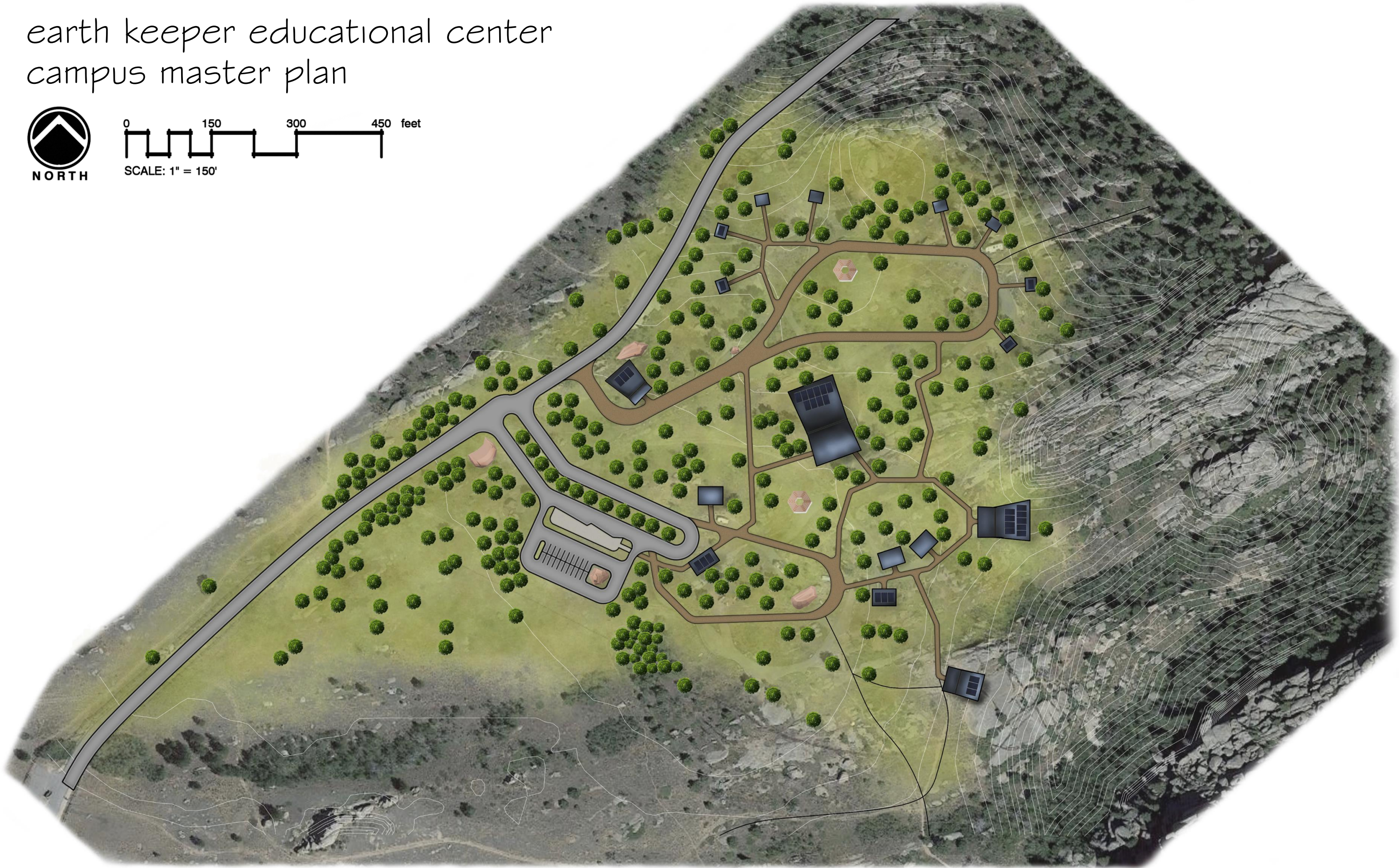
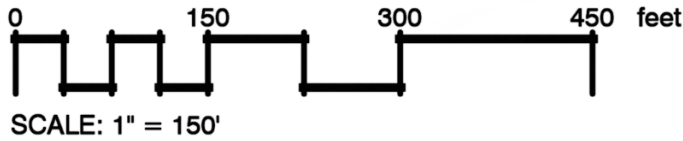


SCALE: 1" = 150'

- student housing area
- studio/lecture/common building
- outdoor classroom/recreation
- welcome/staff housing
- bus drop-off/pick-up
- preserved views
- perspective locations

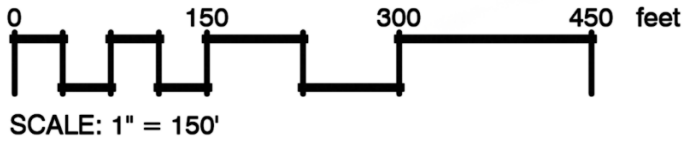





earth keeper educational center campus master plan

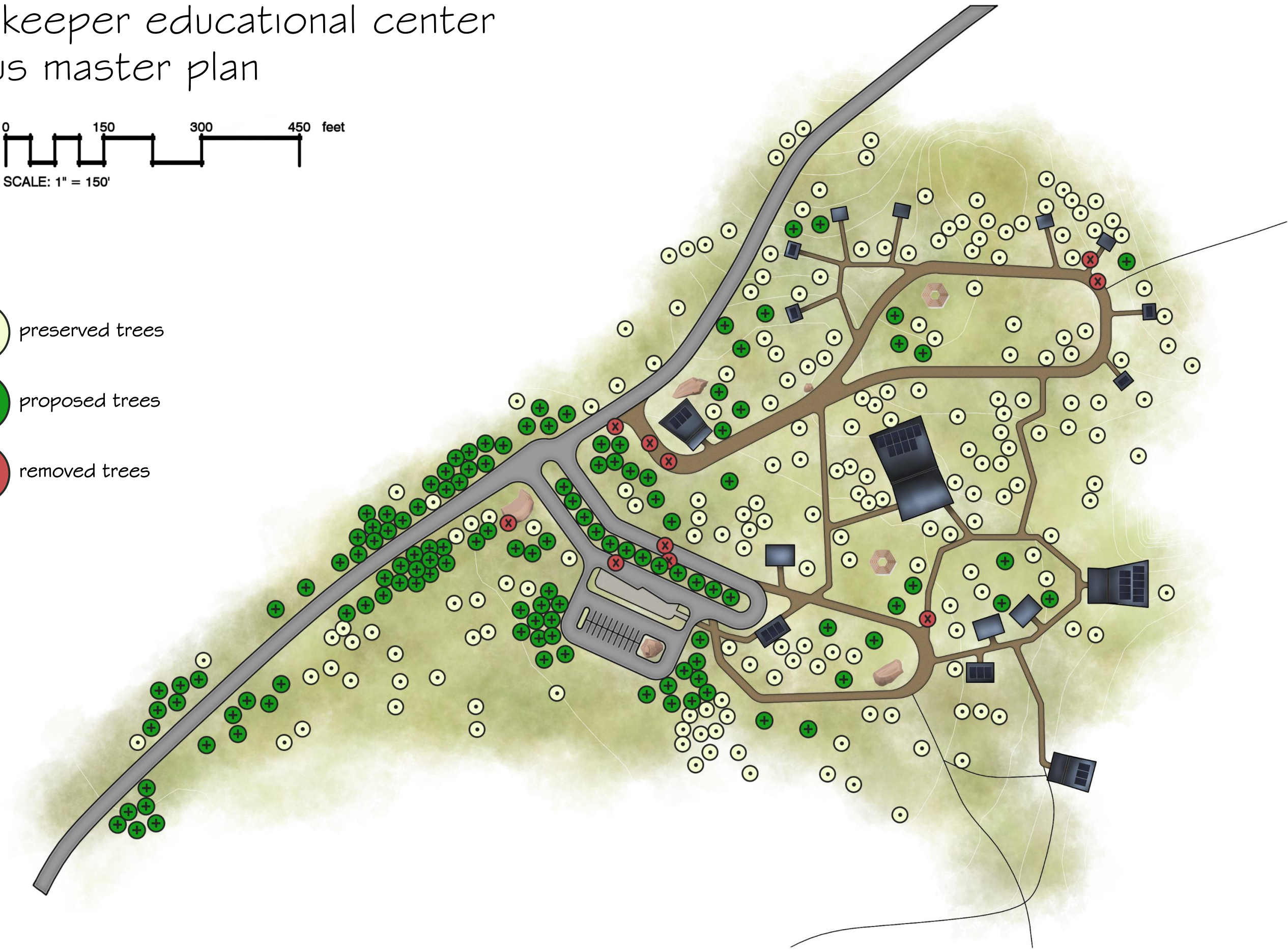


earth keeper educational center

campus master plan

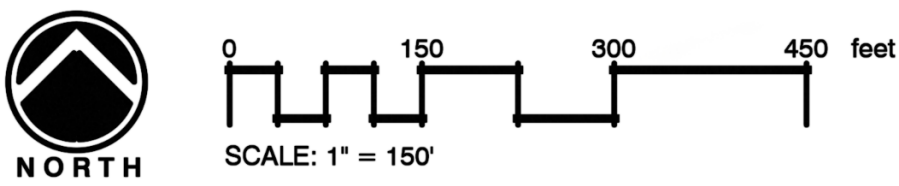


-  preserved trees
-  proposed trees
-  removed trees



earth keeper educational center

proposed vegetation



1 dense ponderosa and lodgepole pine



2 native seed mix

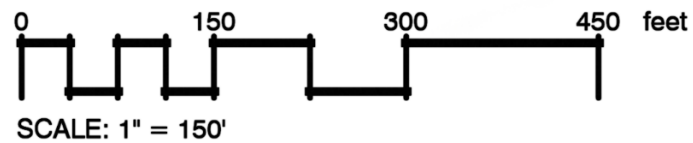


3 native shrubs (sagebrush, kinnikinnick, etc)

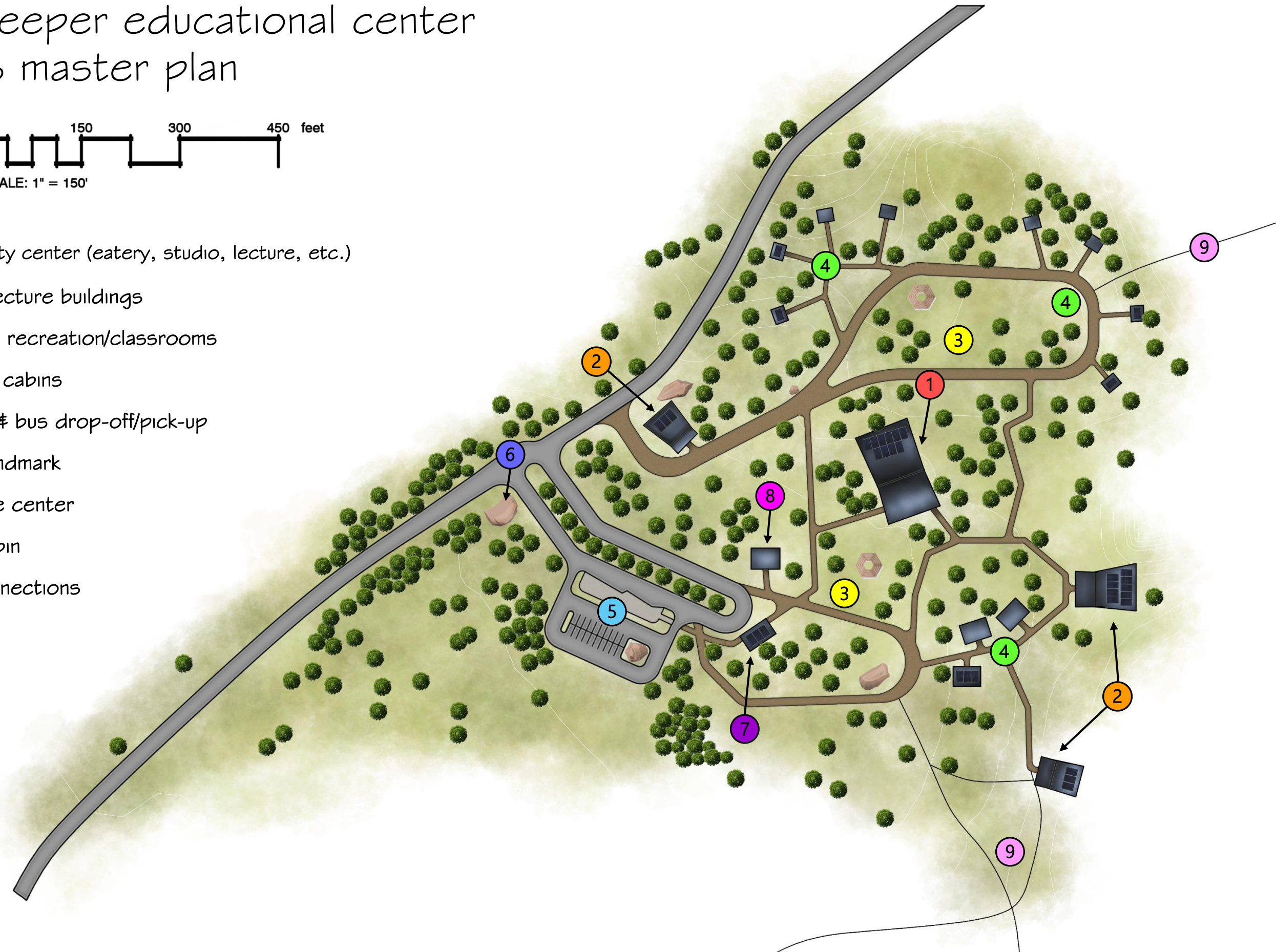


earth keeper educational center

campus master plan

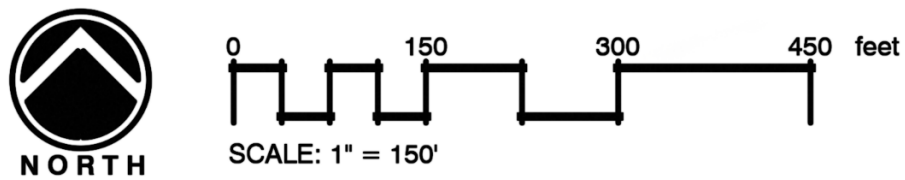


- 1 community center (eatery, studio, lecture, etc.)
- 2 studio/lecture buildings
- 3 outdoor recreation/classrooms
- 4 student cabins
- 5 parking & bus drop-off/pick-up
- 6 entry landmark
- 7 welcome center
- 8 staff cabin
- 9 trail connections



earth keeper educational center

campus materials plan



- 1 stucco siding, steel roof, wood accents
studio/lecture buildings



- 4 asphalt road



- 2 solar panels



- 5 pervious concrete sidewalk



- 3 natural dirt paths



earth keeper educational center
ideation emphasis



-  hammock pergolas
-  fire pits
-  picnic tables

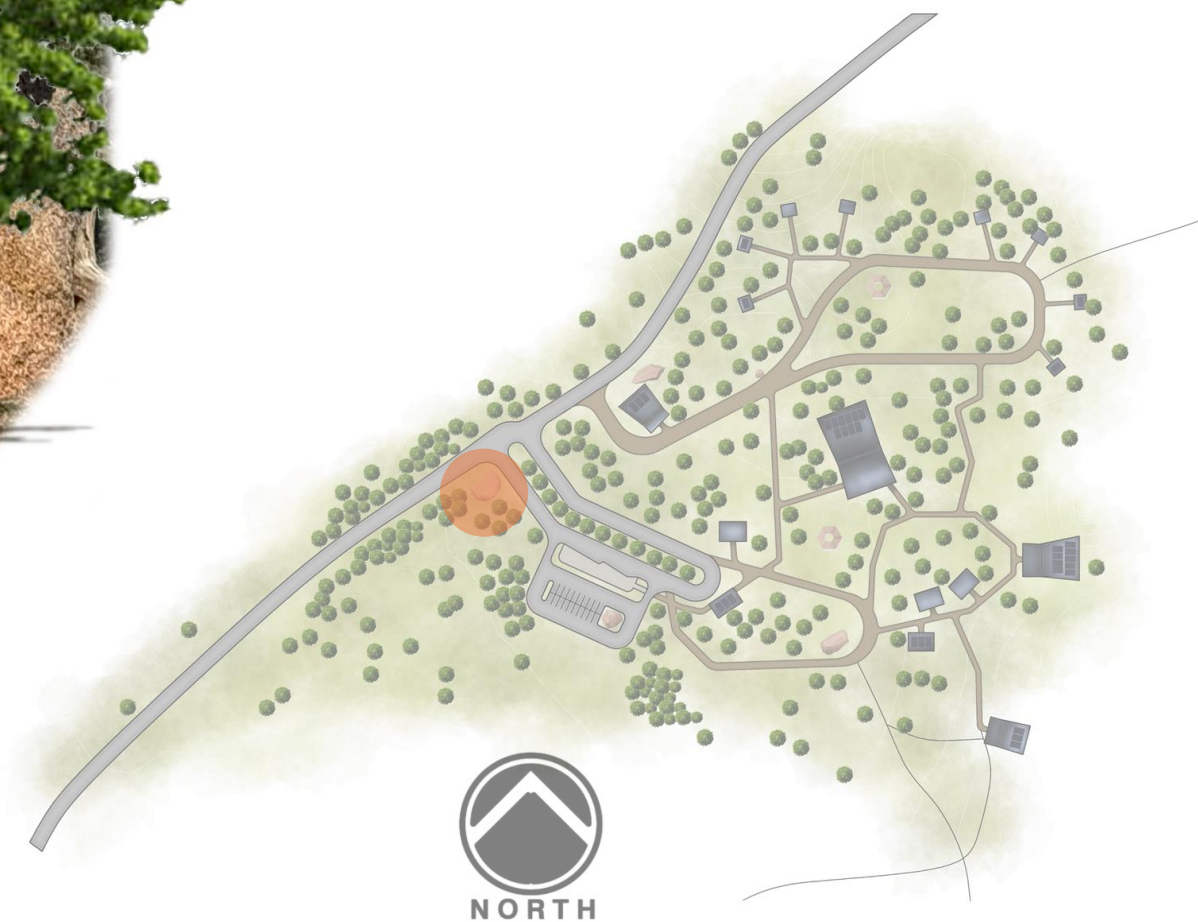
3 outdoor recreation/classrooms



entry landmark



⑥ entry landmark



earth keeper educational center
small cabin
viewing east-southeast



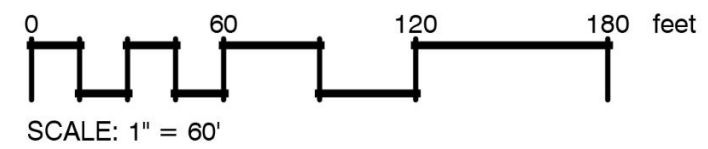
earth keeper educational center
community center
viewing west-northwest



section elevations



section a: looking northwest



section b: looking north

