

THE FUTURE OF HUNTING

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BEARS EARS

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University of Utah CA+P working in conjunction with the Bureau of Land Management.

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“In order to bridge the private and public land hunting gap, as well as keep the motivation high for the younger generation to continue to buy licenses and tags, I am proposing public use shelters to be implemented throughout bears ears. As the interest begins to increase we will see a larger investment in wildlife and land conservation”.

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Multi-Disciplinary Design Third Year
University of Utah

DES 3520-01 Design Product Studio 2
Elpitha Tsoutsounakis
Spring 2021
In Partnership with the Bureau of Land Management

Reimagining the Public Land Hunting Experience in



BEARS EARS NATIONAL MONUMENT

01

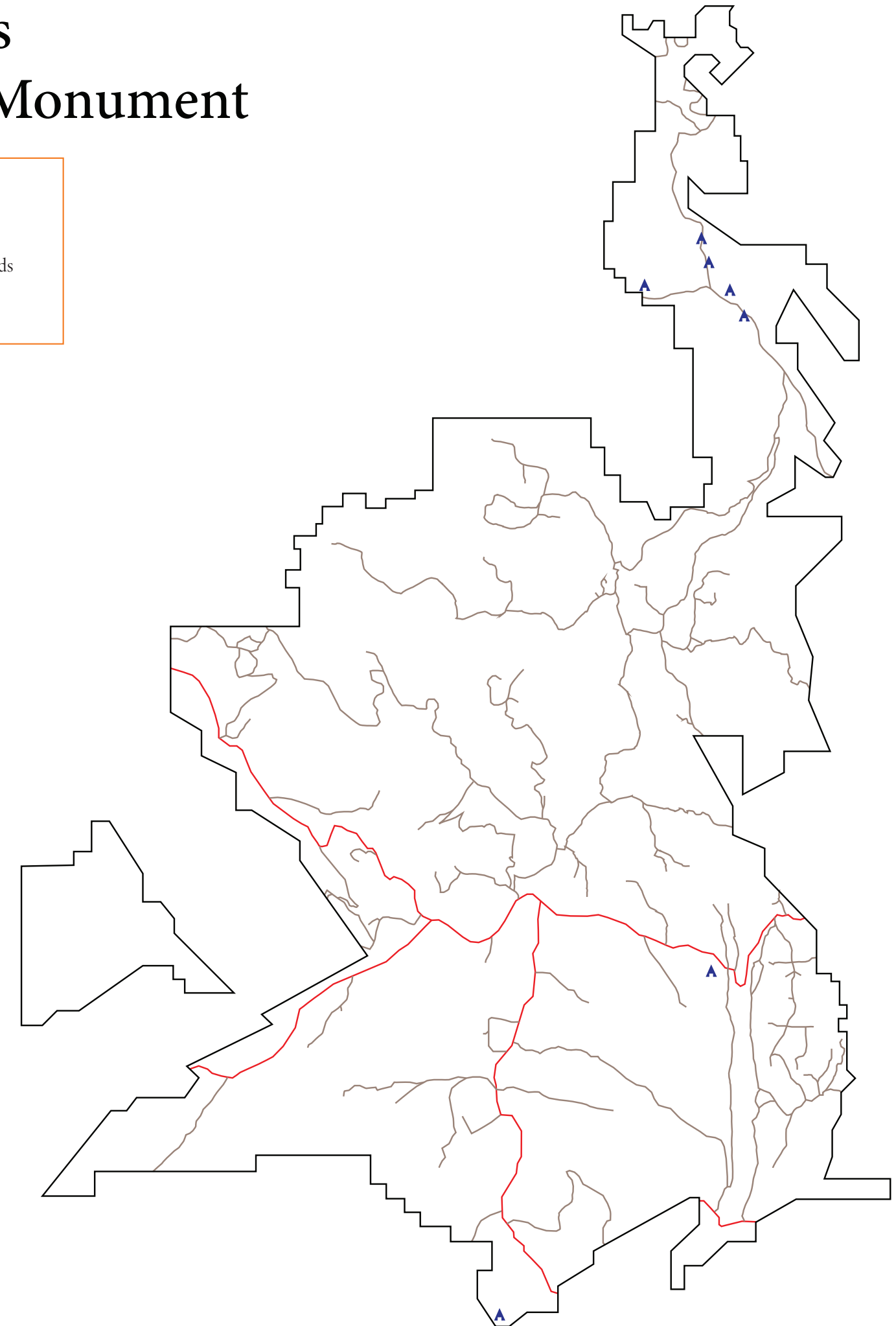
DISCOVERING THE SCOPE

The process began with drawing out the map of bears ears and defining the space that we are working with. The purpose was to discover opportunities areas within the landscape given the current layout of campsites and roadways within the boundaries of the monument. What is discovered is that bears ears is massive and the layout of the campsites in relation to the hunting zones isn't ideal. We can see there is a bunched group of sites in the northern corner of the map with two campsites sparsely scattered in the southern most point.

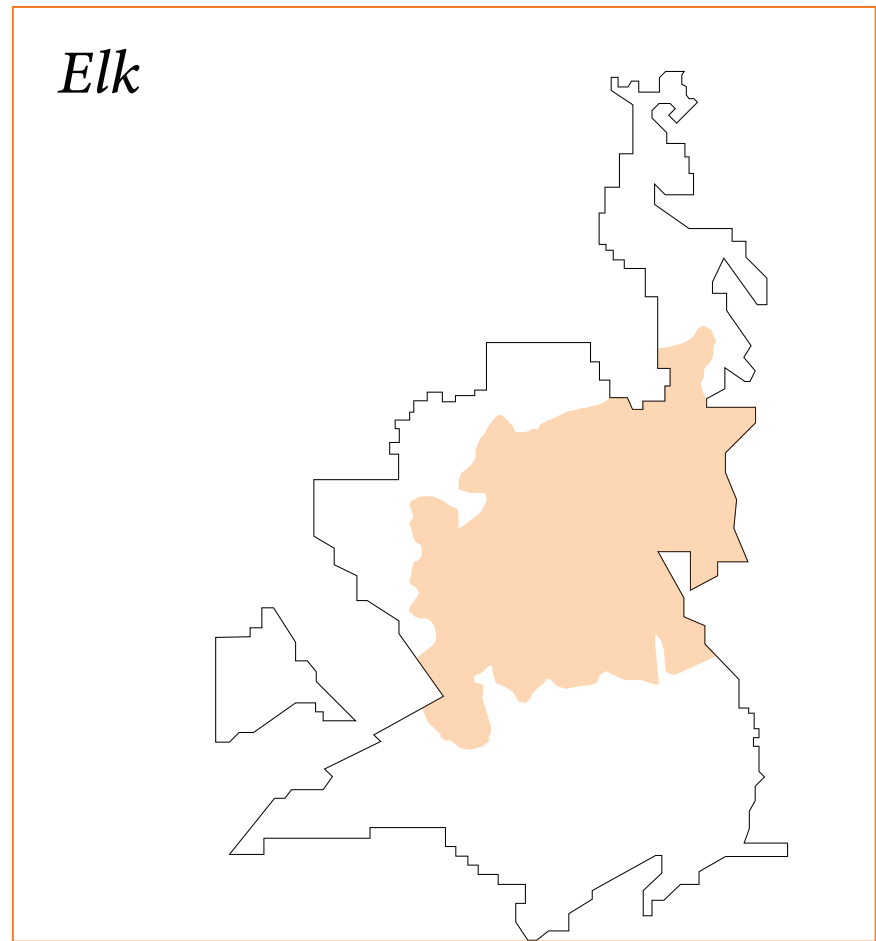
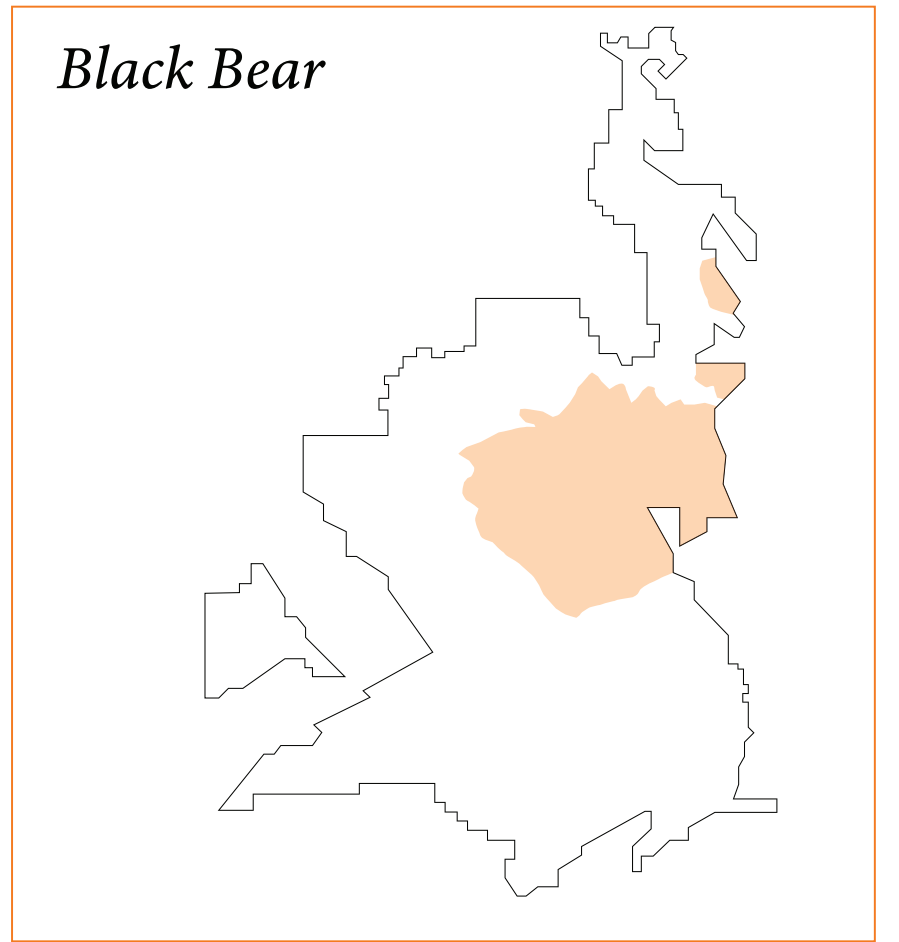
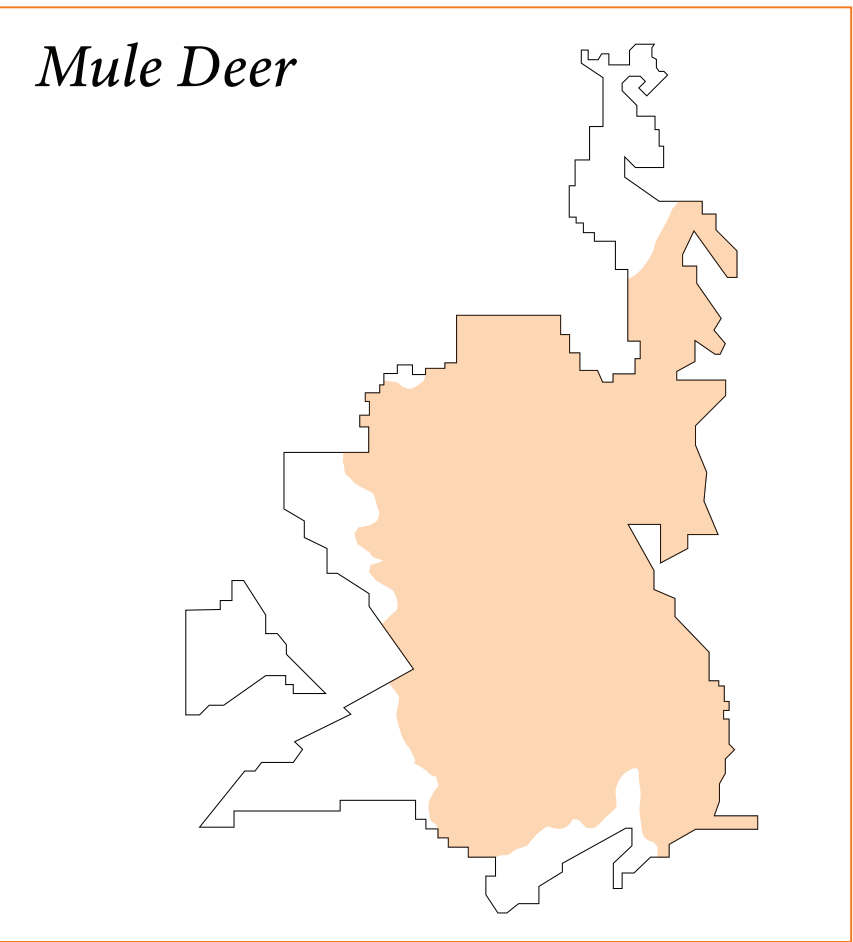
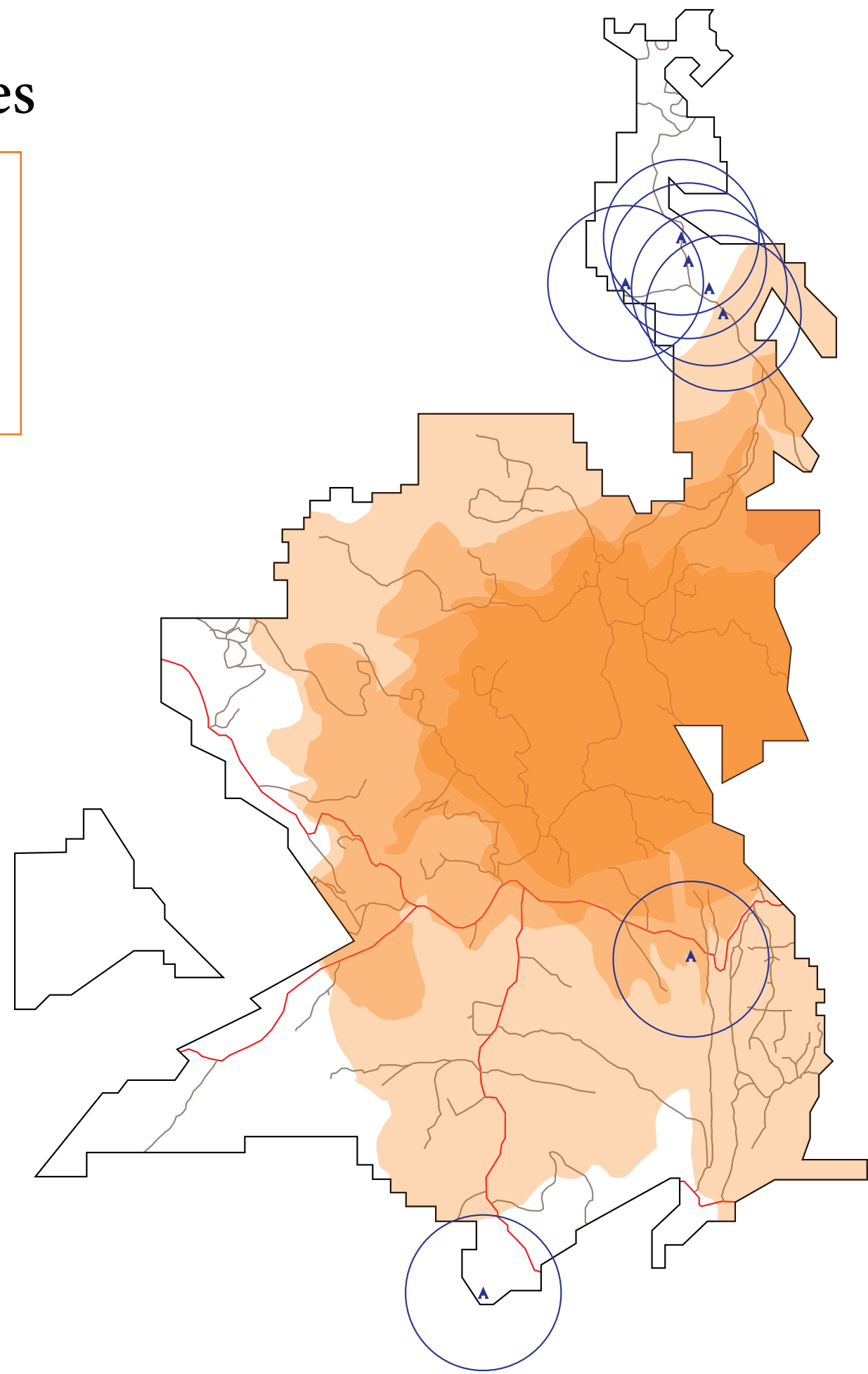
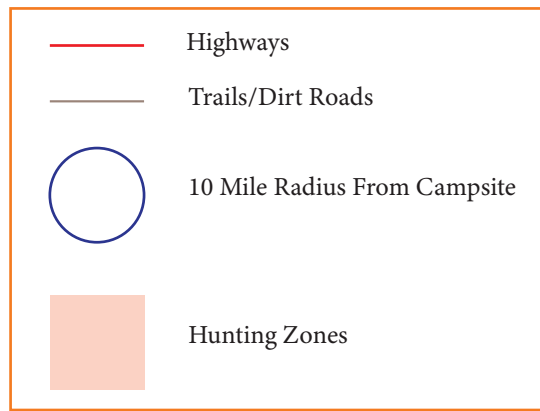
Investigating the map in order to identify opportunity areas within Bears Ears for hunters.

Bears Ears National Monument

- Boundary
- Highways
- Trails/Dirt Roads
- ▲ Campgrounds



Bears Ears Hunting Zones



02

PRIVATE VS. PUBLIC

Diminishing public land hunting participants is problematic for state budgeting.

In hunting there is a long standing contrast between private and public land. Many hunters dream of the opportunity of owning their own land that they and only they can hunt. For many of us this is a pipe dream. The integration of hunting clubs within these lands have helped bridge that gap for hunters, but we still see extremely high and some times out of reach prices to join. One thing stands true to this day and that is public land hunting is much easier to access than private land. However, there are caveats that come with public land hunting. The first complaint people make with public land hunting is that it is accessible to all. While this is good it can cause certain lands to become over hunted and ruin the experience for first time or beginner hunters. Long days waiting to even see game can discourage these individuals and inevitably lead to them no longer feeling a desire to hunt at all.

NOT FOR

NOT FOR



PUBLIC USE

PUBLIC USE



There are numerous benefits that private land hunting holds over public. The first and most obvious is the decrease in the amount of hunters that you have on any given day within the property lines. This makes finding game and having a successful hunt much more likely. But looking past just the hunting aspects of private land there is a convenience that comes with it. This convenience is most clearly shown with overnight hunts. Many private land hunters enjoy the luxury of having shelter provided for them within the boundaries of the land. This means that the amount of gear that they are required to haul is almost halved in comparison to public land hunters. Private land hunters can also leave gear in the shelter that they may not need just for the day out hunting making their packing list even shorter. It's this convenience that essentially elevates the experience of hunting far beyond what you would experience in public land. Ultimately hiking becomes easier with less gear, you are more mobile, and can travel longer distances which in some cases drastically improves your chances of having a successful hunt.

THE BENEFITS OF PRIVATE LAND



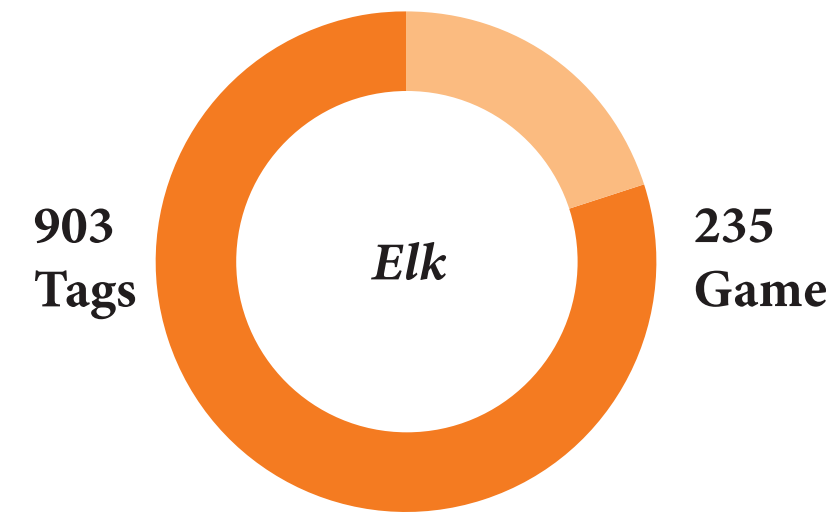
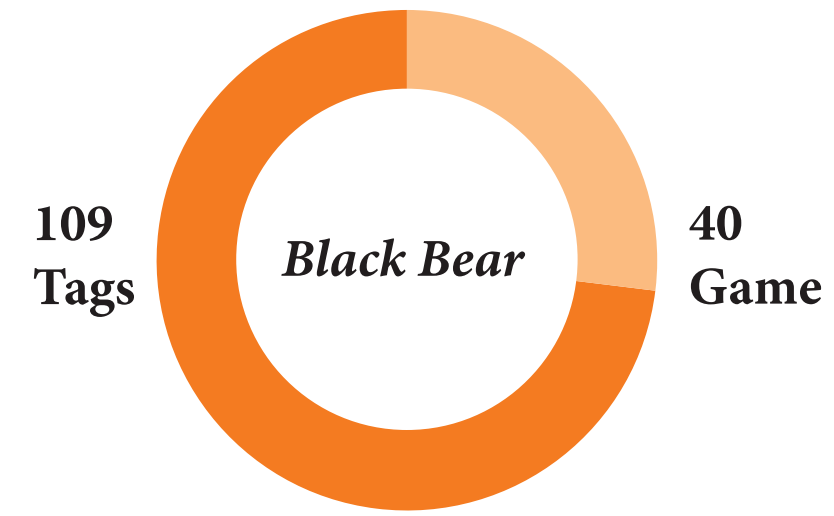
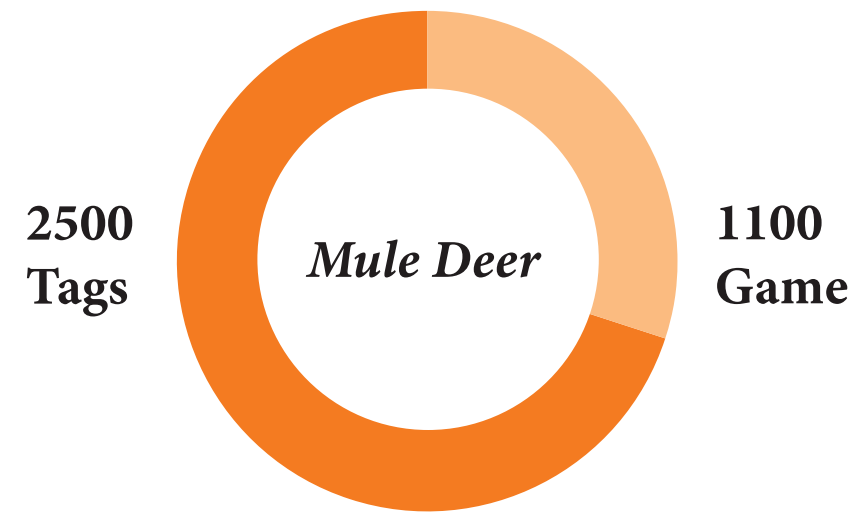
The clear draw back of hunting public land is the sheer amount of gear required to overnight hunt and the distances that are required to travel if you don't want to find yourself in a sea of hunters. With an estimated 70 individual items of essential gear to have a comfortable and safe overnight hunt your pack weight can be almost doubled over that of a private land hunter and what that boils down to is public land hunting being genuinely harder than private land. Over the years new technologies are finding their way into the hunting market and as backpacking gear becomes lighter and more efficient so will hunting gear. However, that thought of the convenience that comes with private land hunting will still loom over public land hunters. Sure there are some who still prefer the grit that comes along with setting up your own camp and completely ditching the luxuries of having shelter. But to keep hunting alive for this new generation of hunters who prefer comfort we need to find a solution.



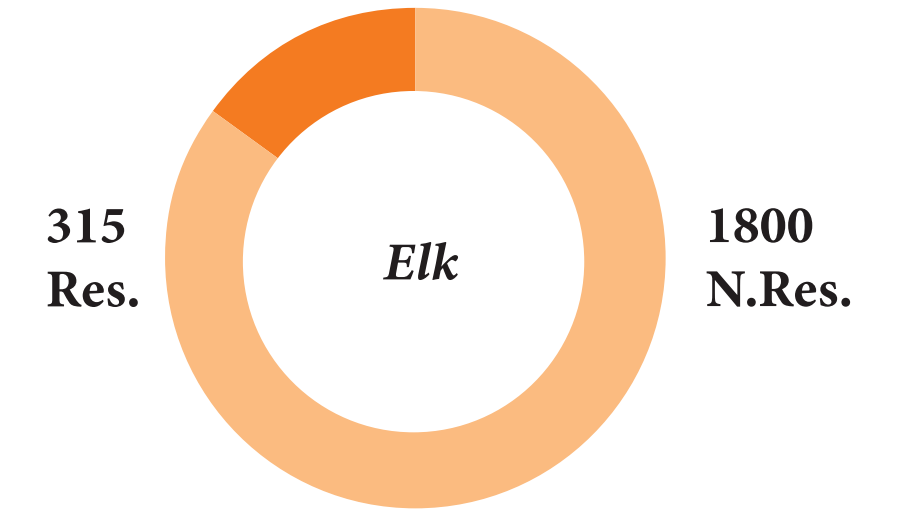
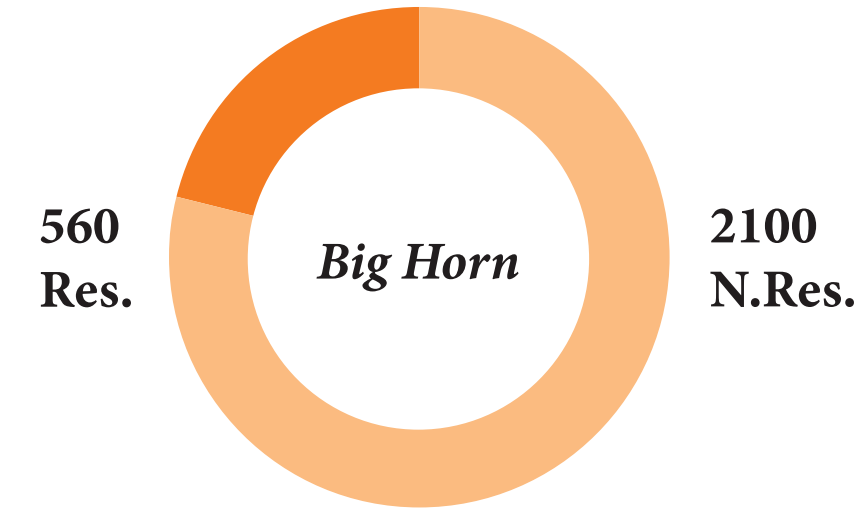
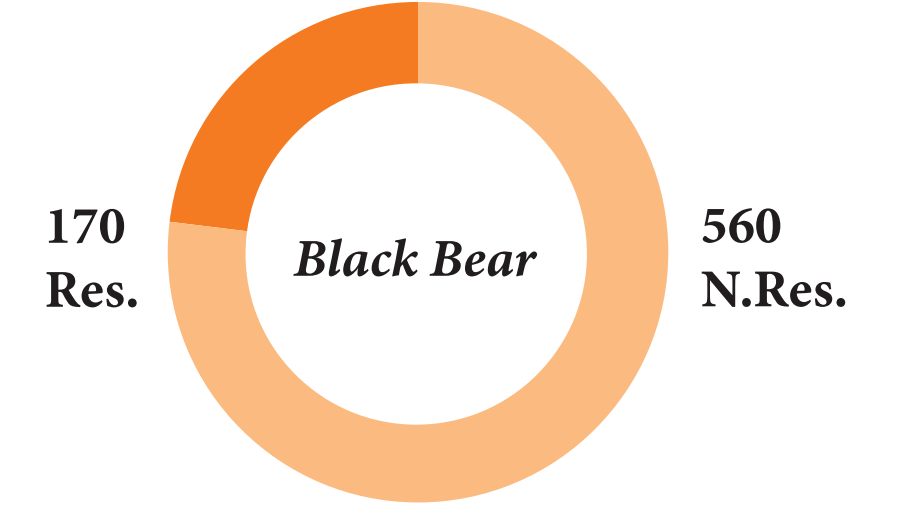
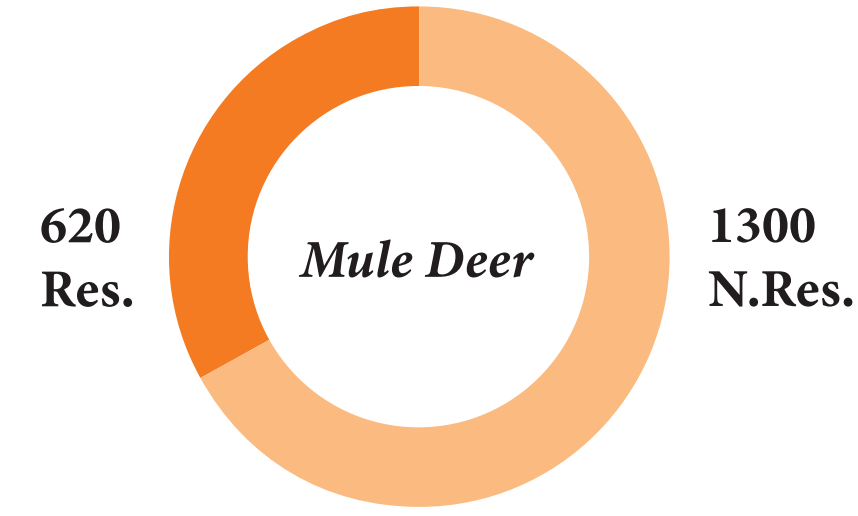
THE PUBLIC LAND HAUL

THE NUMBERS THAT IMPACT BUDGET

Bears Ears Hunting Tags Vs. Game Hunted



Bears Ears Hunting Cost of Game Resident Vs. Non Resident



THE PUBLIC LAND



EXPERIENCE
EXPERIENCE

Public land hunting requires a lot of specified gear to have a successful and comfortable overnight hunt.

The research for developing a product for the Bears Ears National Monument was centered around discovering the pain points of public land hunting. People may not know that there is a lot of specified gear needed to overnight hunt on public land and this dramatically changes the experience of public land hunting when comparing it to a day hunt. The goal of the project is to define opportunity areas through design that can start to bridge the gap between public and private land hunting, and diving into learning about the key differentiators that separate the two experiences is the first step to designing a valuable product.

03

RESEARCH



70 ESSENTIAL ITEMS

- For an overnight hunt there are really four main groups of gear that are included on a typical packing list.
- These are camping gear, clothing, optics/weapon gear, and misc. gear.
- These four groups on the low end total to around 45lbs and 70 individual items of gear, but from personal experience this gear has weighed upwards of 60lbs.
- The kicker to all of this is the fact that almost half of this weight and a good portion of this gear can be eliminated from your packing list during your hunt if storage or a shelter is provided to you on site.

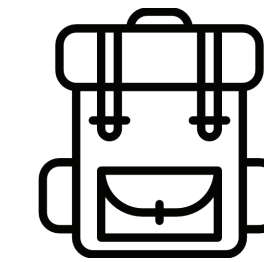
OPTICS/WEAPON

- Spotting scope
- Binoculars X2
- Range finder
- Bino adapter
- Lens cloth
- Tripod
- Digiscope
- Bow
- String
- Front stabilizer
- Back stabilizer
- Arrows
- Quiver
- Rest
- Sight
- Broadheads
- Release
- Bow sleeve

MISC. GEAR

- Water container
- Sat. messenger
- Charge cord X2
- Extra batteries
- Glassing pad
- Archery backups X5
- GPS
- Battery pack
- Chaptstick
- Wind check
- Knife
- Face pain
- License
- Game bags
- Water purifier

**DAYTIME
GEAR : 25LB
40 ITEMS**



**PACK WEIGHT
45 POUNDS**

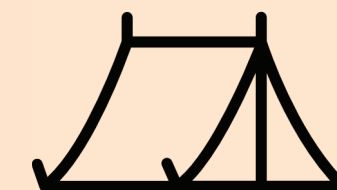
CAMPING GEAR

- Rain cover
- Shelter
- Stuff Sack X3
- Ground cloth
- Tent poles
- Stent stacks
- Sleeping Bag
- Food hanging

CLOTHING

- Underwear
- Poles
- Top X5
- Stalking
- Hat X3
- Arm Sleeves
- Gloves X2
- Bottoms X2
- Belt
- Footwear
- Socks
- Leg gaiter
- Watch

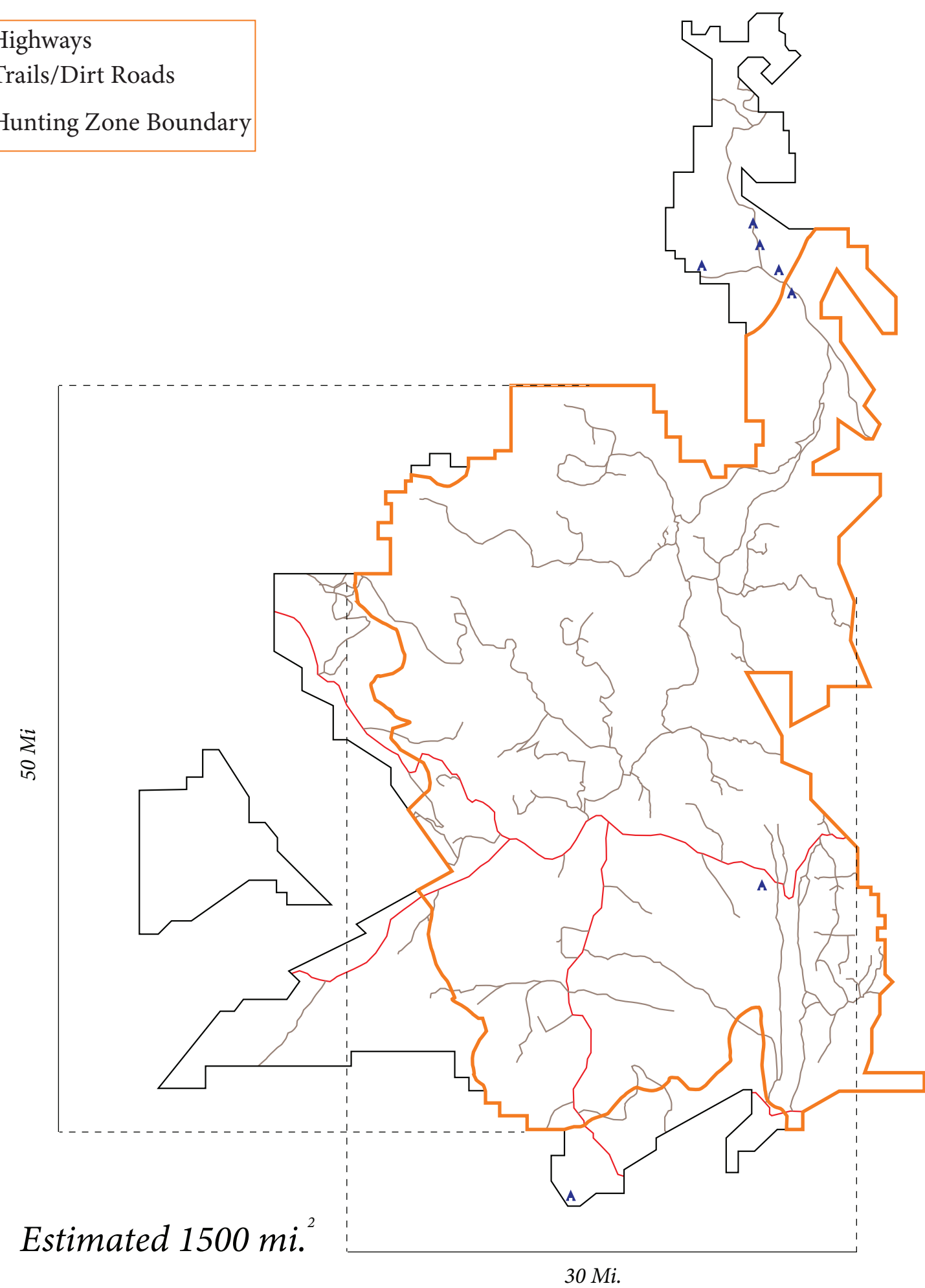
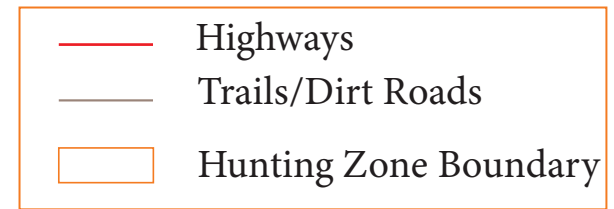
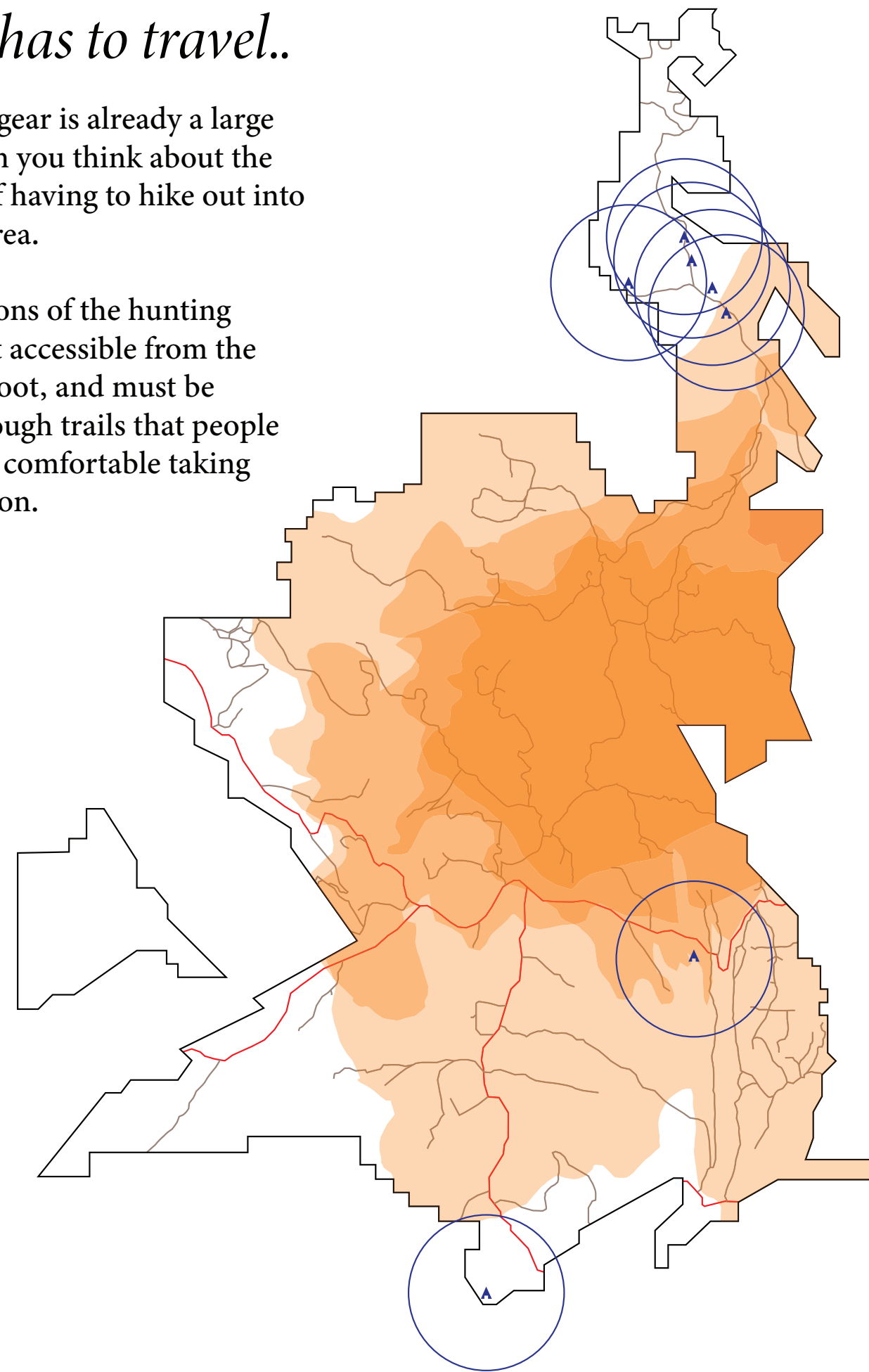
**ADDITIONAL
OVERNIGHT
GEAR : 20LB
30 ITEMS**



Gear that has to travel..

- 70 items of gear is already a large amount when you think about the experience of having to hike out into such a vast area.

- Large portions of the hunting zones are not accessible from the highway on foot, and must be accessed through trails that people might not be comfortable taking their vehicle on.



SHELTER

04

Purpose built for hunters.

The goal of the designed shelter is to be purpose built for adult hunters exploring the Bears Ears National Monument. Materiality on the shelter is kept simplistic and low maintenance materials are utilized throughout the design. Muted colors and minimalistic design allows for the shelter to blend into the landscape but still stand out as a POI. It was also important that these shelters could withstand long periods of time without BLM intervention so the material choices are robust. The ultimate problem that the shelter aims to solve is providing a convenience that currently does not exist in public land hunting. Reducing gear and improving the overall experience of hunting; all while vastly closing the gap between public and private land hunting.

PRIVATE CONVENIENCE ON..



PUBLIC LAND



Utah Yurt

- Shelters in the US are not uncommon.
- Yurts are scattered throughout remote locations in Utah, and on the west coast there is a similar system with fire towers.
- In the US this is a paid service. Often these yurts range from 20-40 dollars per night and sleep eight adults.
- Reservations are conducted online on a monthly rolling basis so once you reserve the time slot you can more often than not be sure the space will be yours and yours alone.

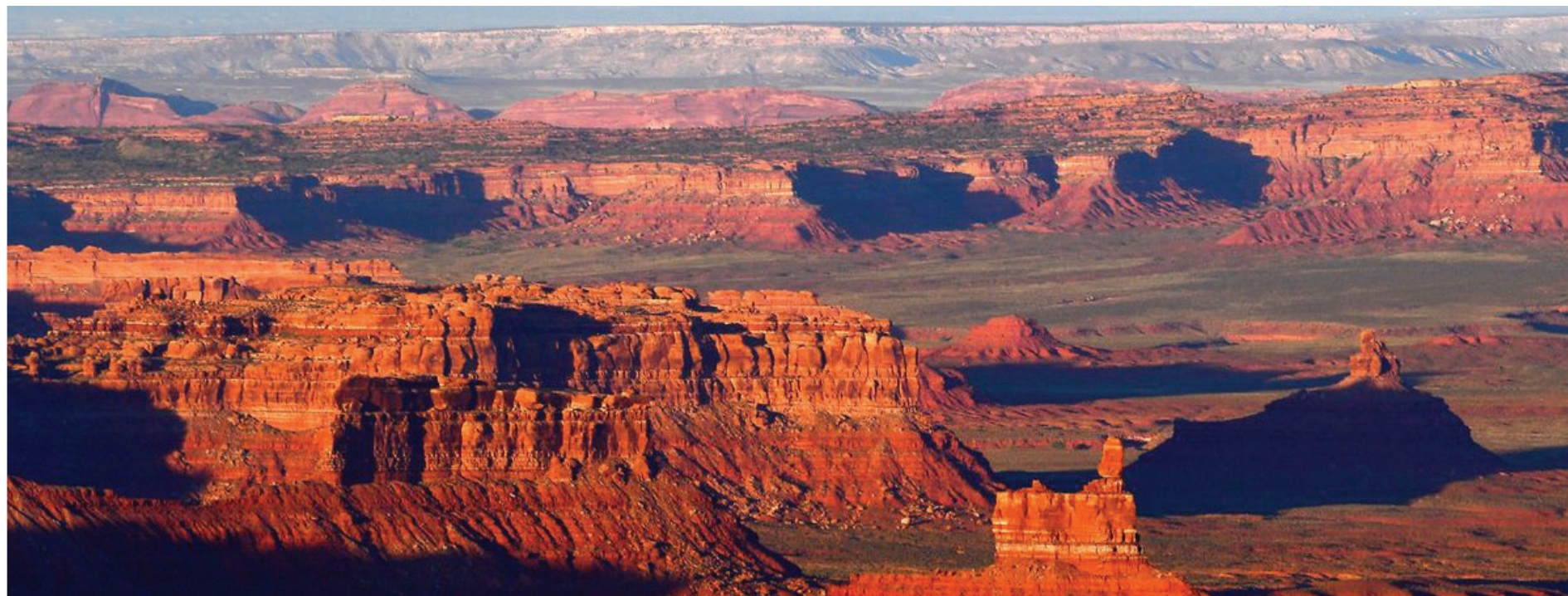
- A bothy is a term used for a public use shelter in the UK.
- Bothies are shelters that are scattered throughout the remote regions of the UK mainly in Scotland.
- They are always left unlocked and are meant to house anyone who may find a use for them.
- Most bothies are former ruined buildings that have been restored to proper living standards; things like making them waterproof, windproof, etc.

English Bothy

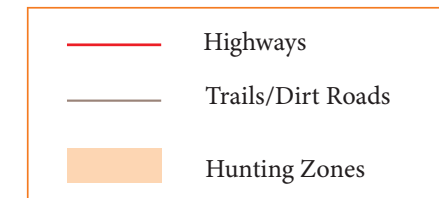


PROPOSING SEVEN LOCATIONS THROUGHOUT THE MONUMENT

- Keeping shelters centralized to the current hunting zones in Bears Ears.
- Allowing the proper spacing between the shelters to provide variety for the hunters and make it less likely for hunters to come across each other.
- Placing a few shelters closer to the highway to make them accessible for people who may not have the proper vehicle to venture deep into the monument.
- Making sure that shelters are placed in a way to break up the larger empty hunting zones where roads do not exist and hikes can become extremely long and cumbersome.



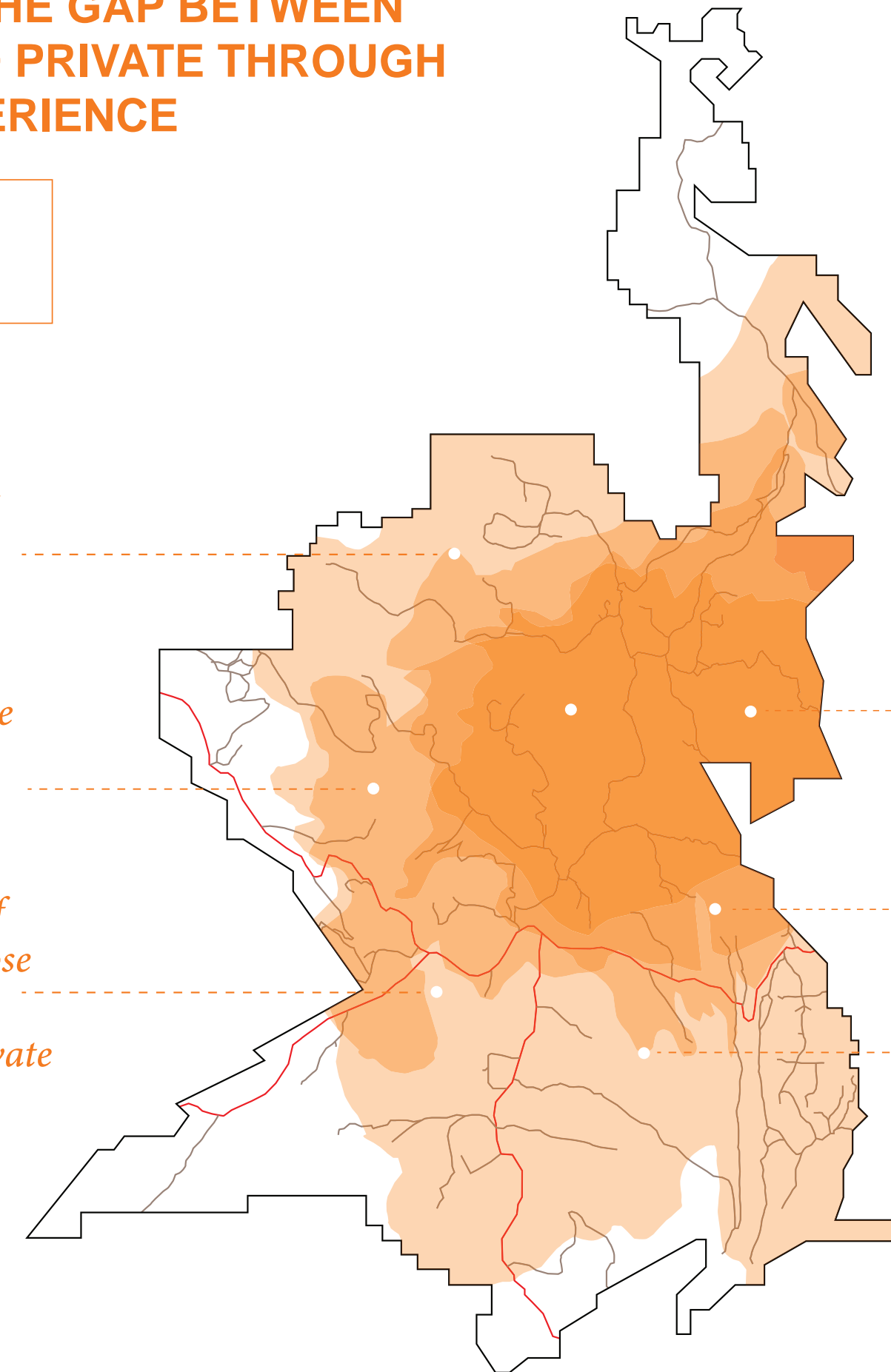
BRIDGING THE GAP BETWEEN PUBLIC AND PRIVATE THROUGH A NEW EXPERIENCE



*Northern most
shelter: 20 mi
from highway.*

*Shelters provide
opportunity to
spread out.*

*Convenience of
shelters will close
gap between
public and private
land.*



*At least one
shelter in
every zone.*

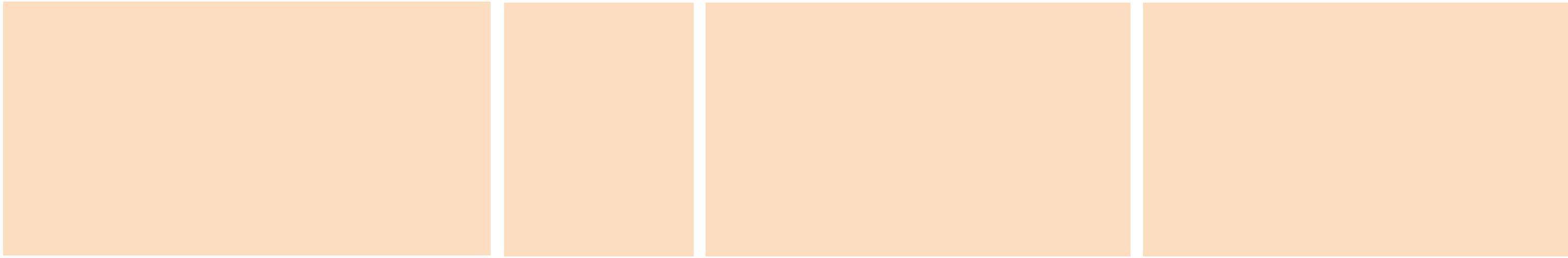
*Most shelters
<5mi from
surrounding
trail.*

*4 shelters
accessible
by highway.*

THE EXPERIENCE OF AN OVERNIGHT HUNT

WITHOUT SHELTER

Weight Carried



Clothing 15lb

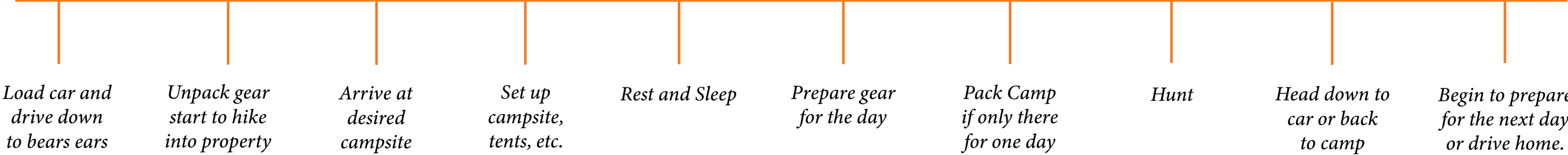
Camping 4lb

Optics/Weapon 23lb

Misc. Gear 3lb

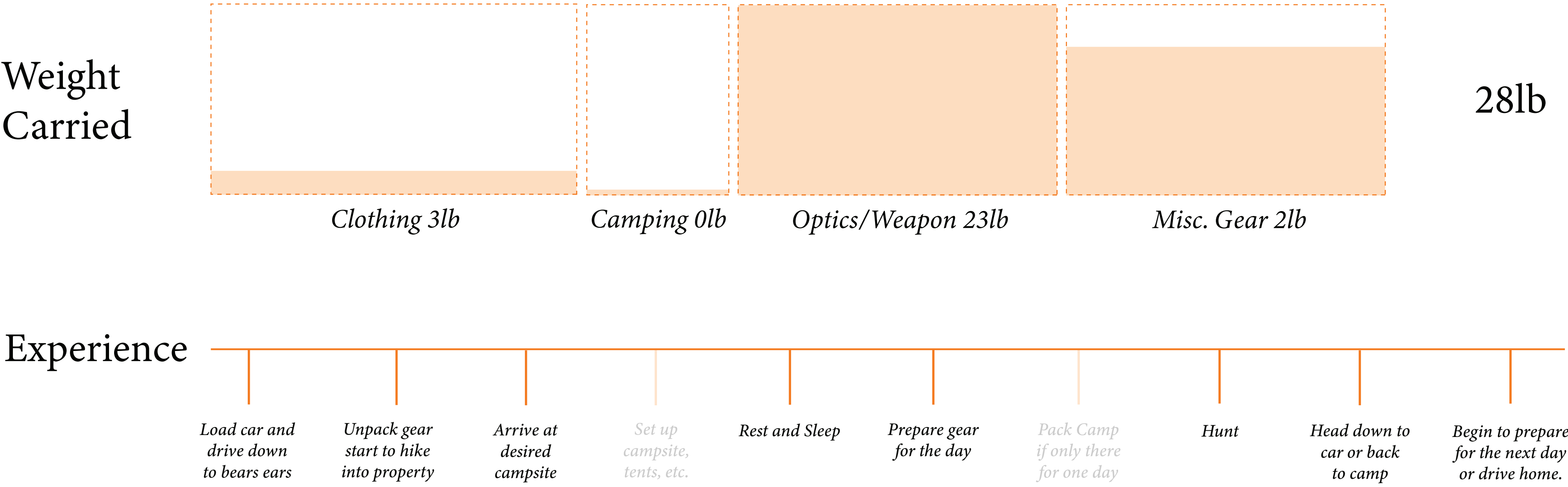
45lb

Experience

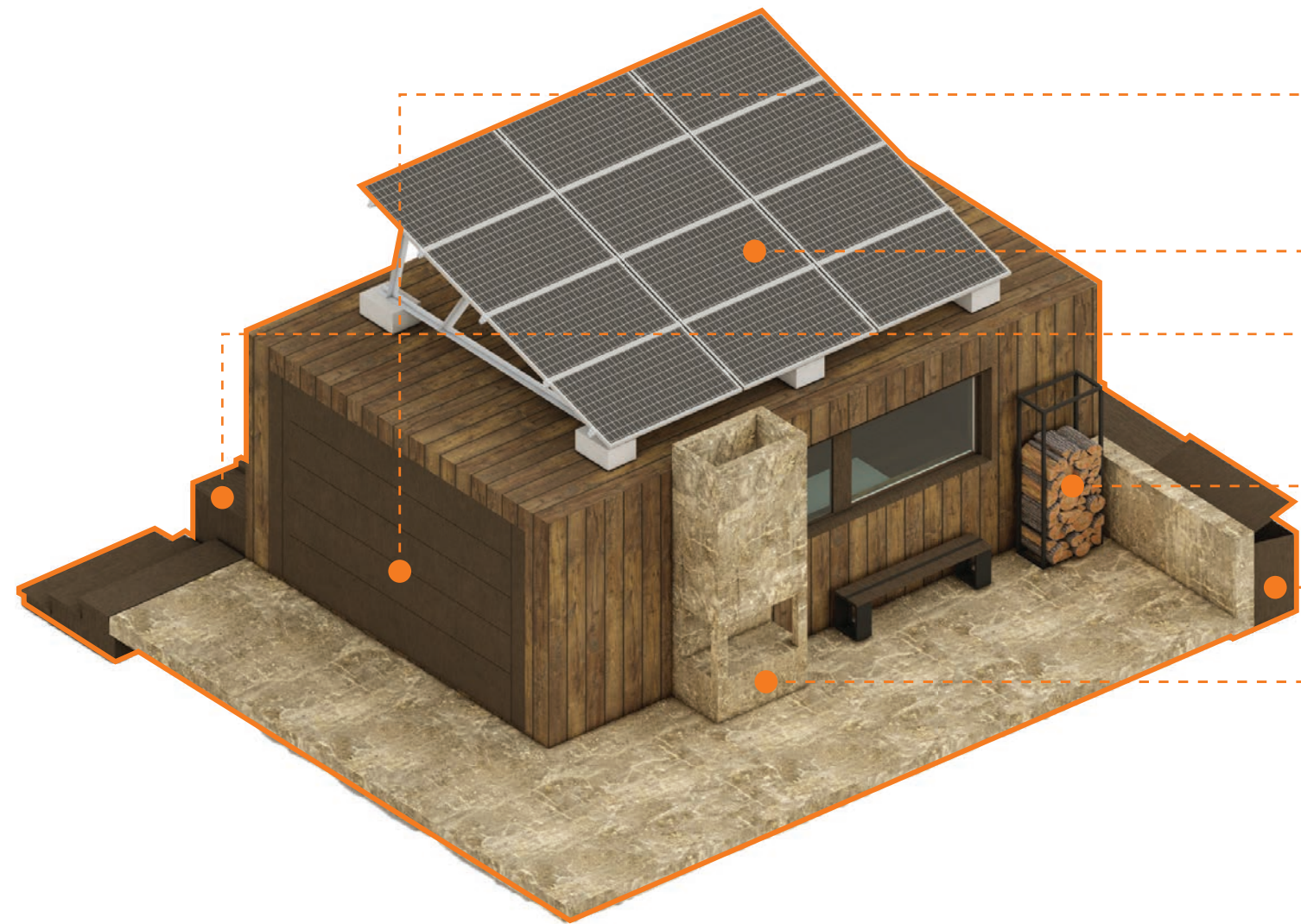


THE EXPERIENCE OF AN OVERNIGHT HUNT

WITH SHELTER



PRIORITIZING FUNCTION TO IMPROVE THE OVERNIGHT HUNTING EXPERIENCE.



Solar to power internal electricity.

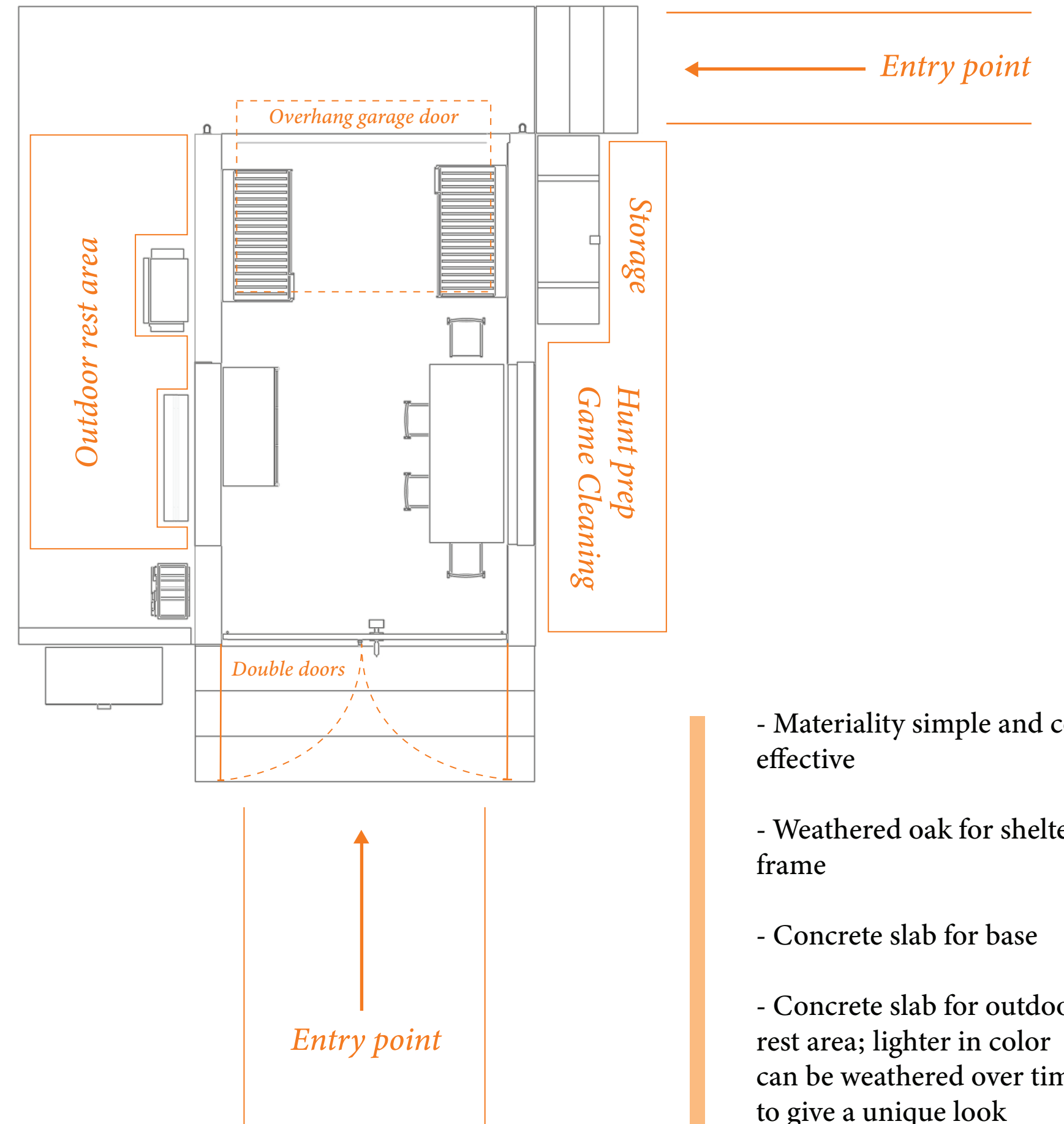
Rugged garage door to stand up to elements.

Storage container for gear/game.

Firewood to be replenished by user.

Garbage to be taken away by user.

Fire pit to allow for a safe fire.



**REDUCING GEAR WHILE IMPROVING
THE HUNTING EXPERIENCE.**



**A MUTED DESIGN MEANT TO PROVIDE MAXIMUM
FUNCTIONALITY WHILE BLENDING IN.**

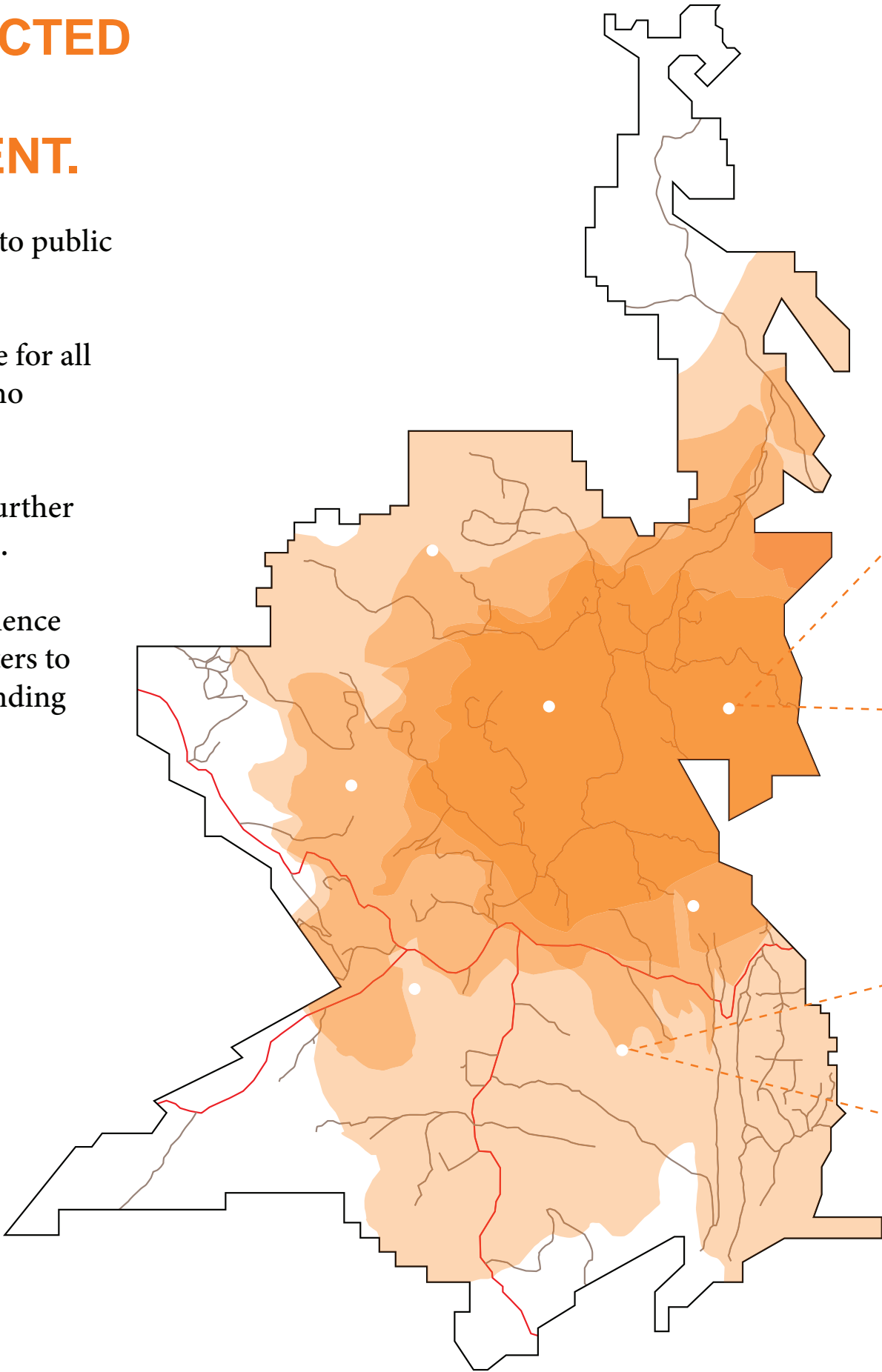


VISUAL REPRESENTATIONS..



CHANGING THE WAY HUNTING IS CONDUCTED ON BEARS EARS NATIONAL MONUMENT.

- Giving a whole new meaning to public land hunting.
- Providing a special experience for all hunters not just for the ones who can afford it.
- Allowing hunters to explore further and deeper into the monument.
- Creating a truly special experience that will encourage young hunters to continue to carry on a long standing humanistic tradition.



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“Reimagining the Hunting Experience in Bears Ears National Monument”

“In order to bridge the private and public land hunting gap, as well as keep the motivation high for the younger generation to continue to buy licenses and tags, I am proposing public use shelters to be implemented throughout bears ears. As the interest begins to increase we will see a larger investment in wildlife and land conservation”.

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Studio:

Spring 2021 Design Product Studio 2

Working alongside the Bureau of Land Management

Bears Ears National Monument