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The economy of public access hunting

UNIVERSITY OF
Nebraska
Lincoln®

NEBRASKA
— GAME  PARKS —









Outdoor Rec by the numbers

\$646,000,000,000 in consumer spending

6,100,000 American jobs

\$80,000,000,000 in federal, state, local tax revenue



National Parks Economic Impacts

MAY 2017

Explore estimated visits, jobs, and labor income created by visitor spending

[Related Research »](#)

Explore benefits by park

Filter by National Park

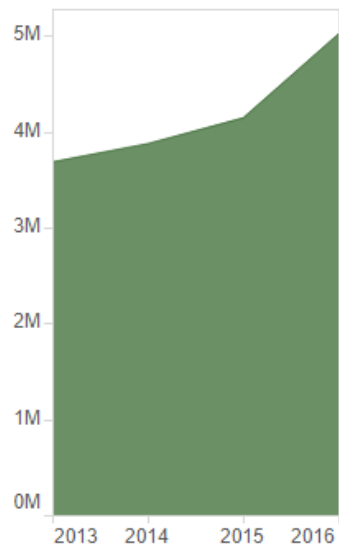
Yosemite NP

Yosemite National Park



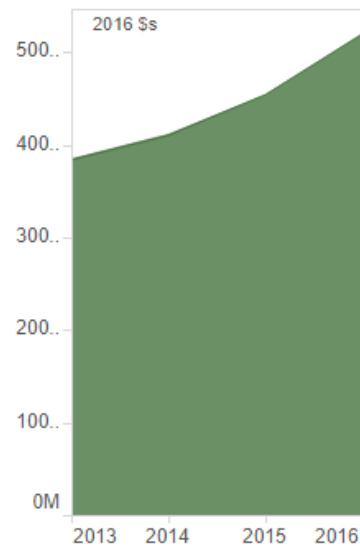
Visits

Total 2016 Park Visits:
5,028,868



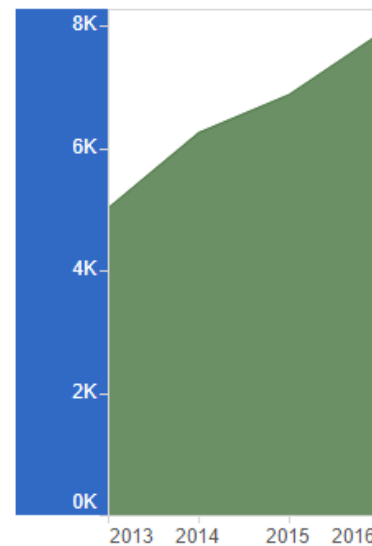
Spending

Total 2016 Visitor Spending:
\$520,629,000



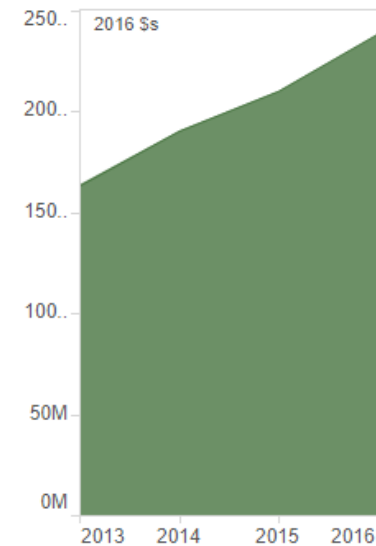
Jobs

Jobs created by 2016 Visitor
Spending: **7,883**

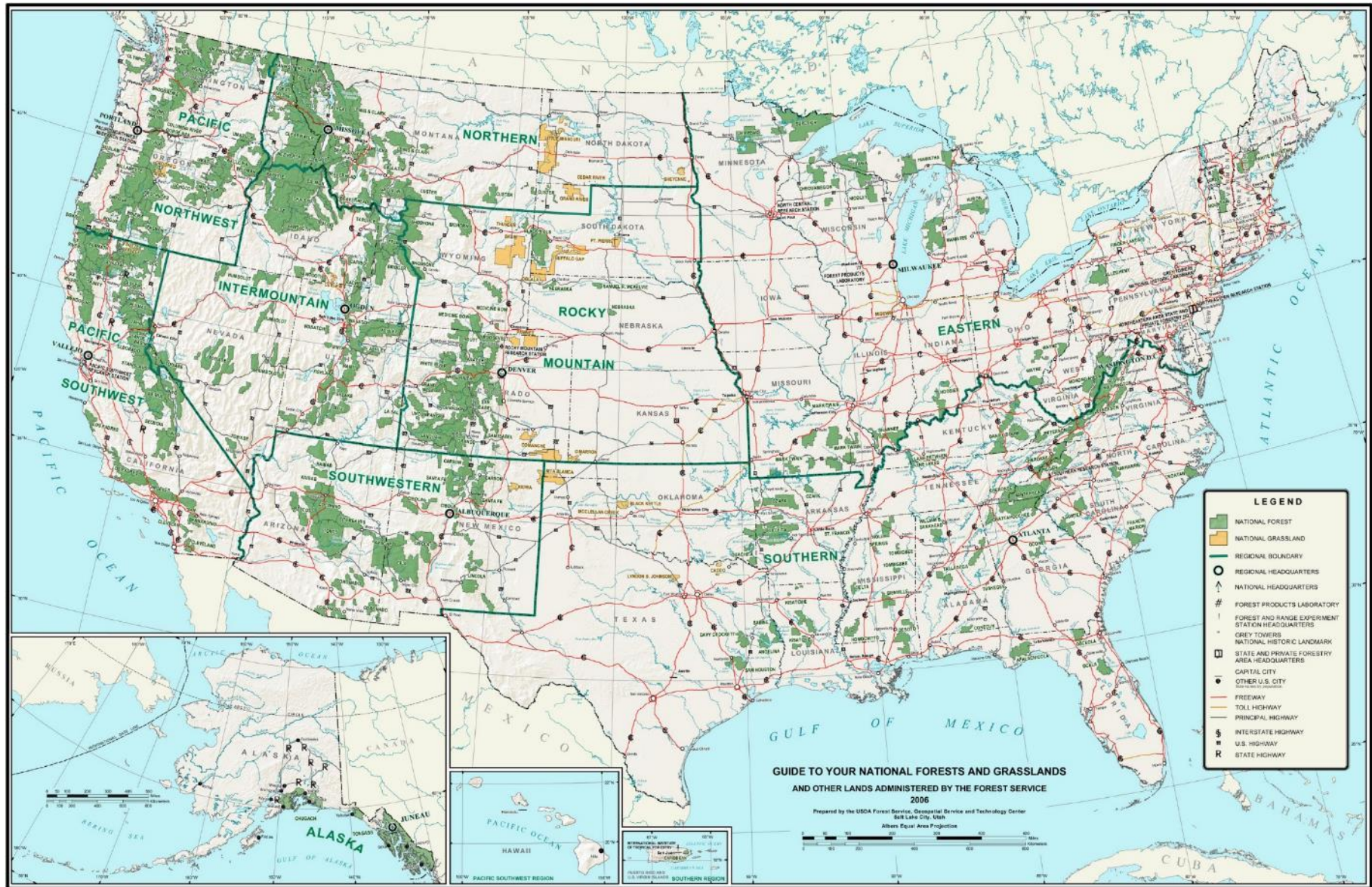


Income

Income from 2016 Visitor
Spending: **\$238,955,000**



Big public access = big money



This map of Nebraska displays county boundaries and various colored regions. The map includes major cities such as Omaha, Lincoln, and Grand Island, and features like the Missouri River and various highways. Colored regions are scattered across the state, with notable concentrations in the northwest and central areas.

Can a diverse and dispersed public landscape add to our economy?



2014-2017 Nebraska Hunter Survey

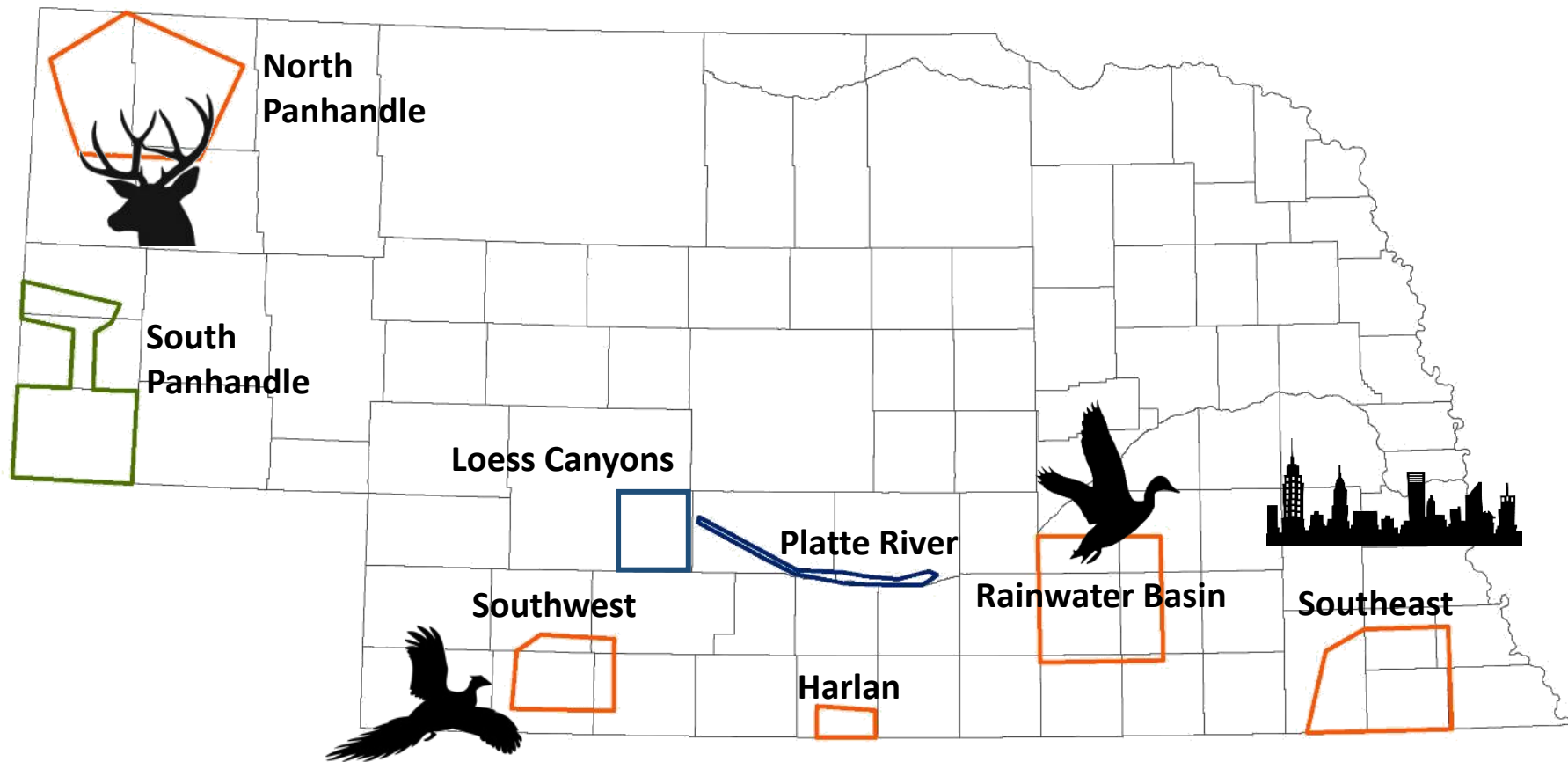


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What we did . . .

Fall: Sept. 1 through January 31

Spring: March 25 through May 31



8 survey areas – 562 public access sites

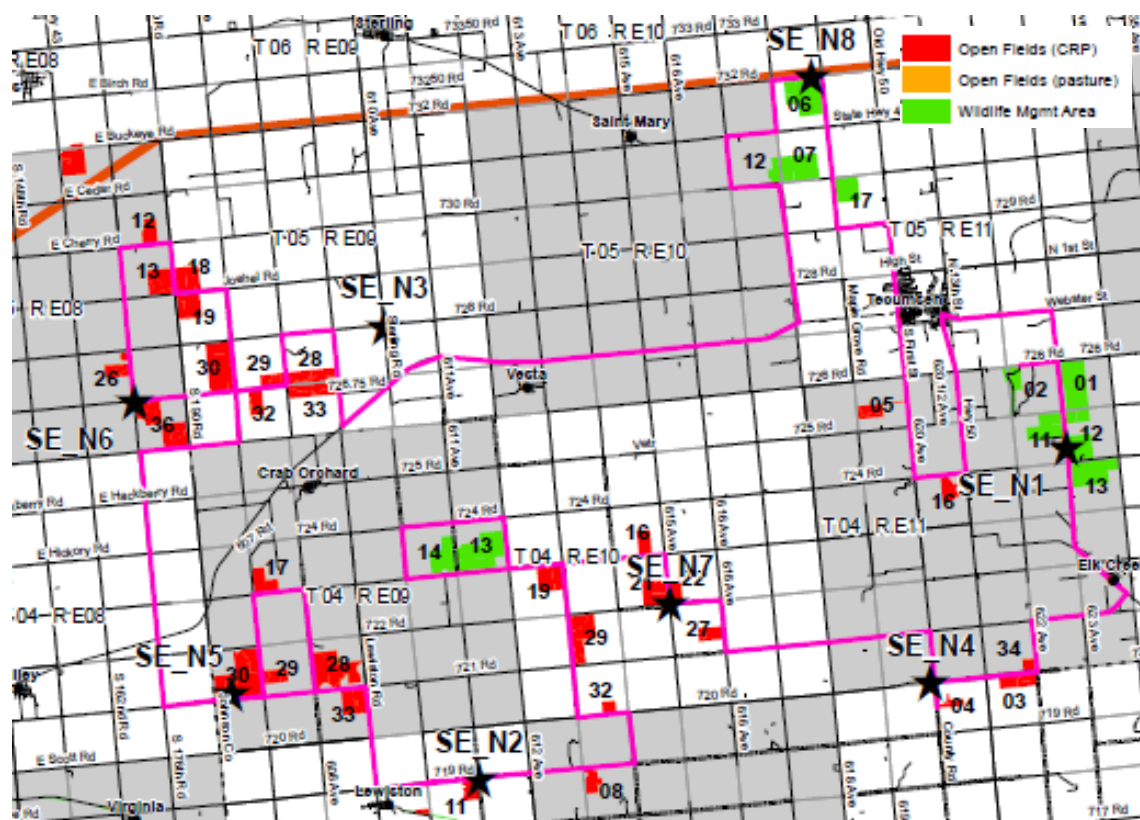
What we did . . .

In-person car counts

- “Bus route”
- 1 count/site/day



110,199
counts



What we did . . .

In-person car counts

- “Bus route”
- 1 count/site/day



110,199
counts

In-person interviews

- Exit interview
- 1 interview/party



3,433
Interviews

What we did . . .

In-person car counts

- “Bus route”
- 1 count/site/day



110,199
counts

In-person interviews

- Exit interview
- 1 interview/party



3,433
Interviews

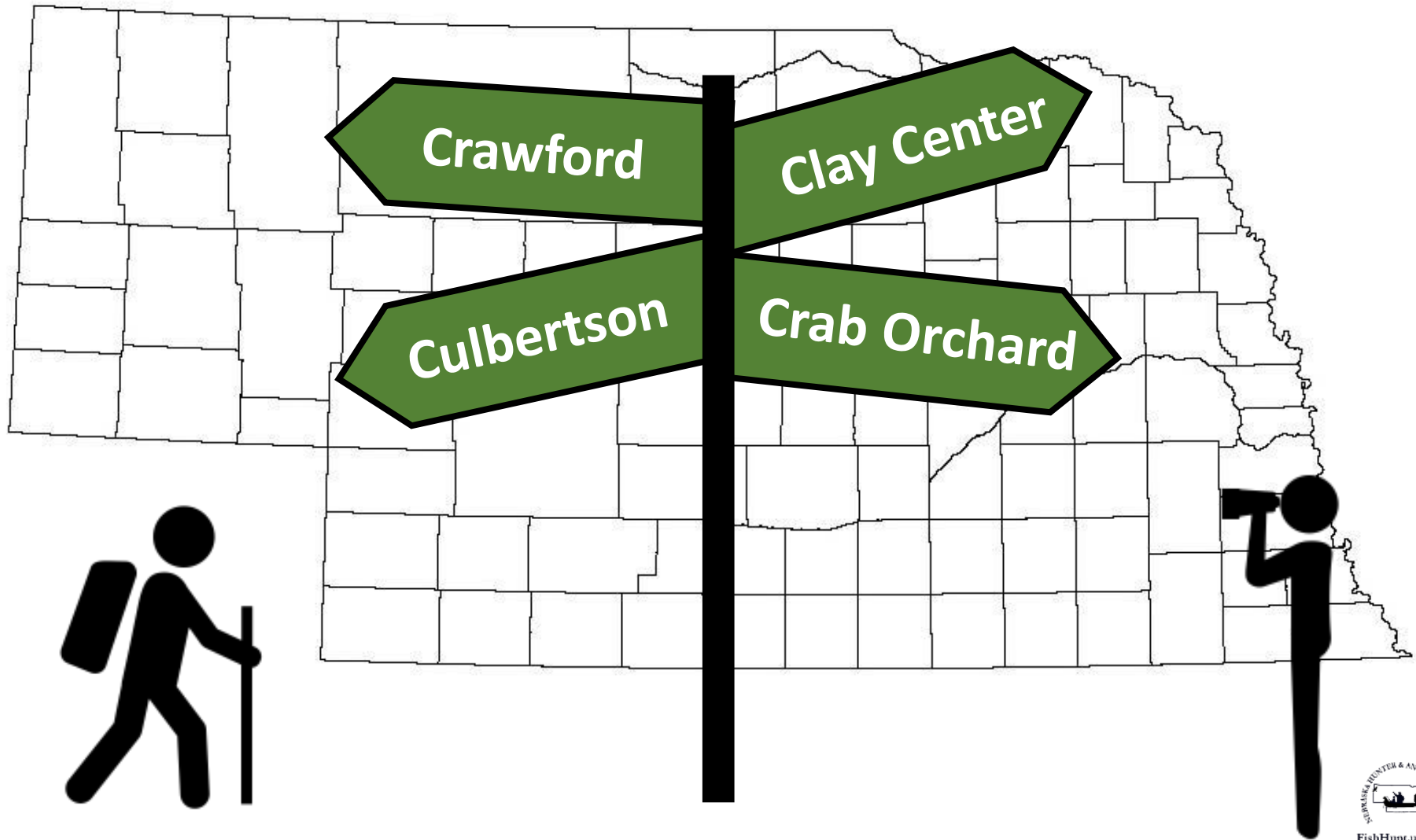
Remote counts

- Time-lapse photos
- 1 photo/5 minutes

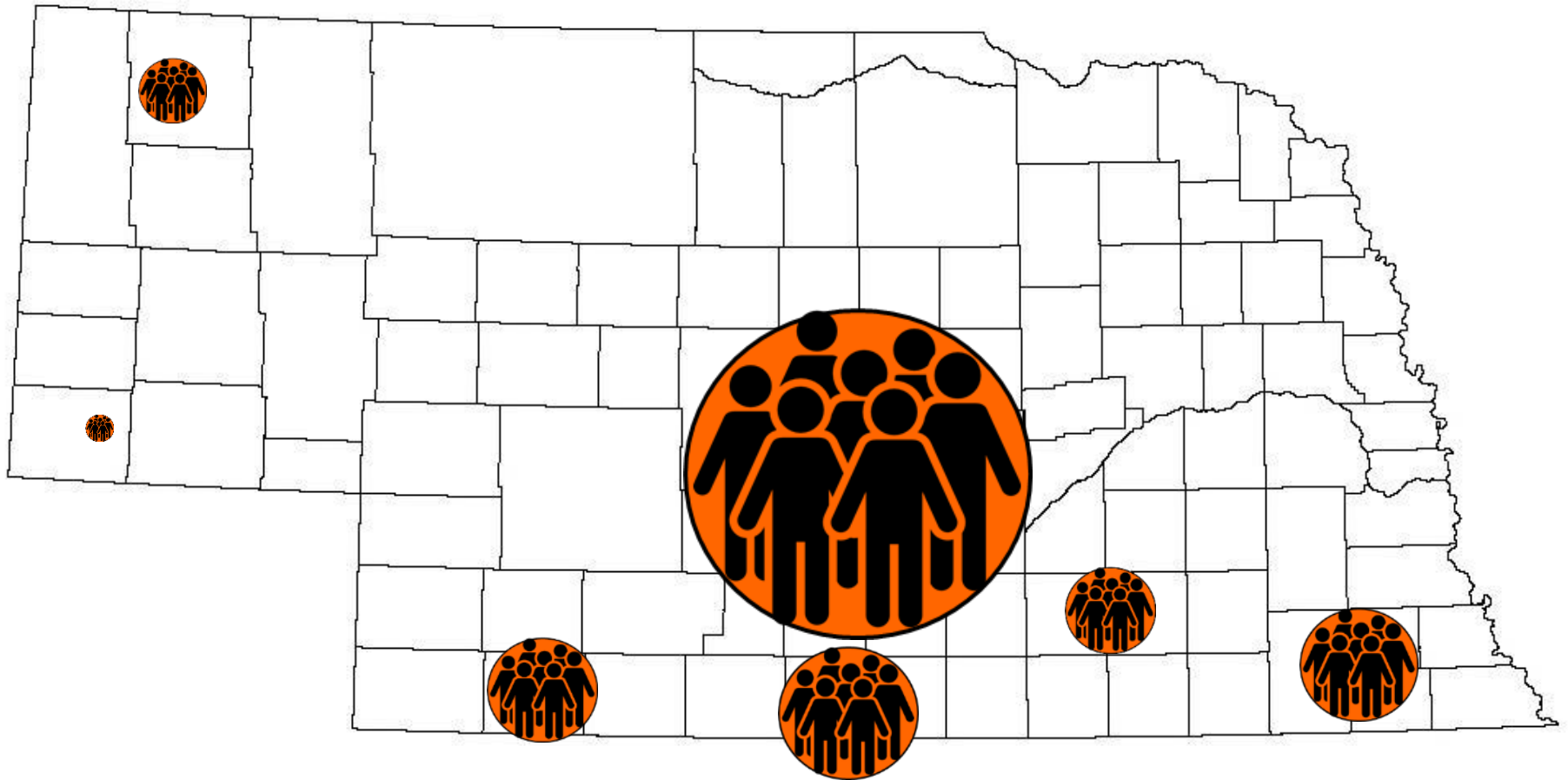


17,000,000
photos

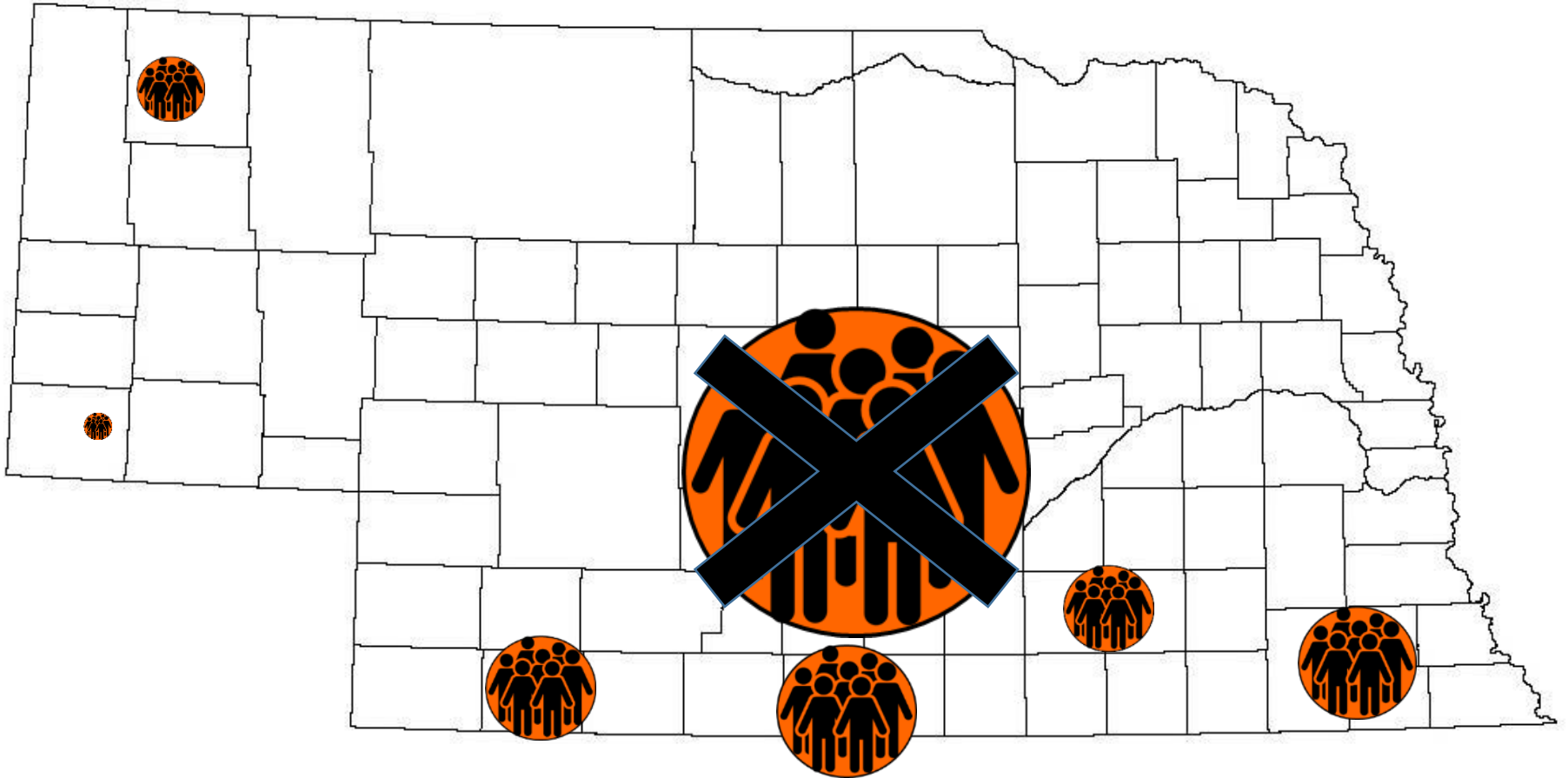
Where do people go to use public lands?



A lot of people stop along I-80



Removing the rest stop affect



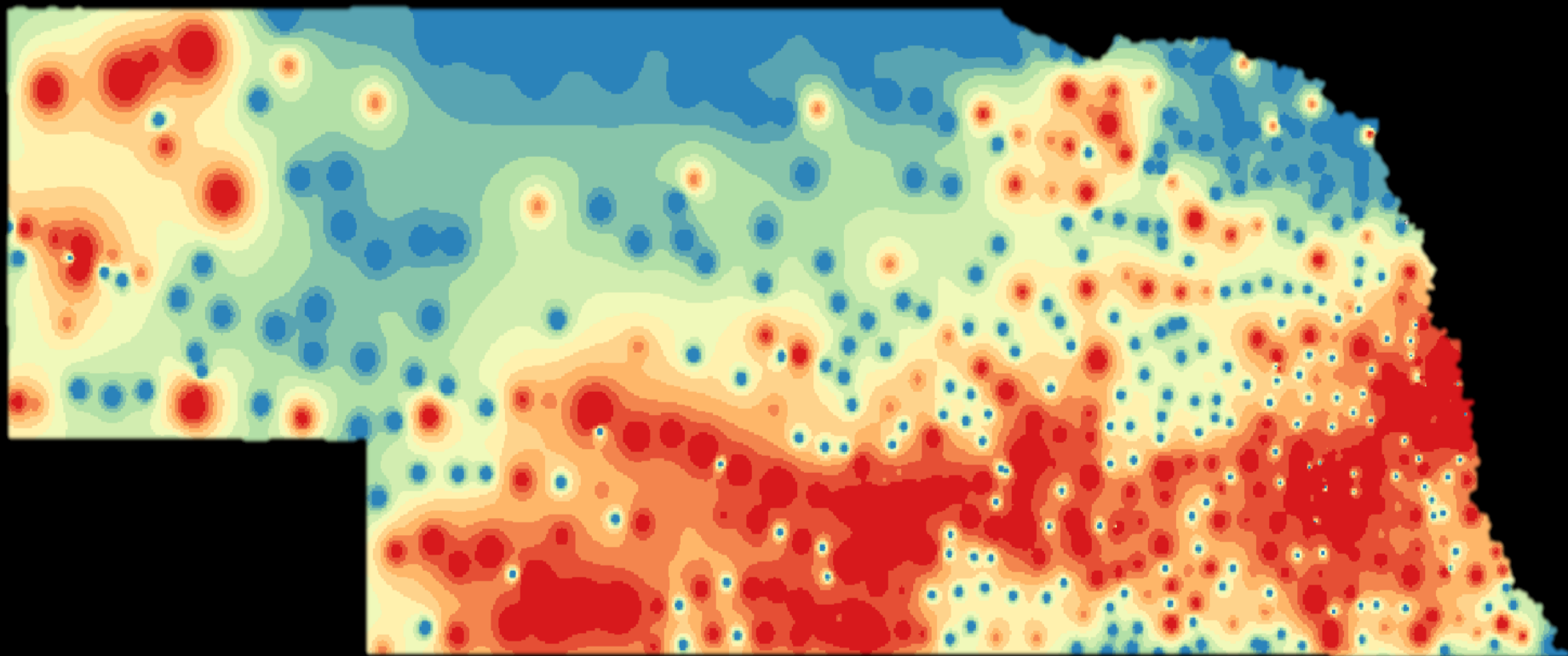
More use in Eastern Nebraska



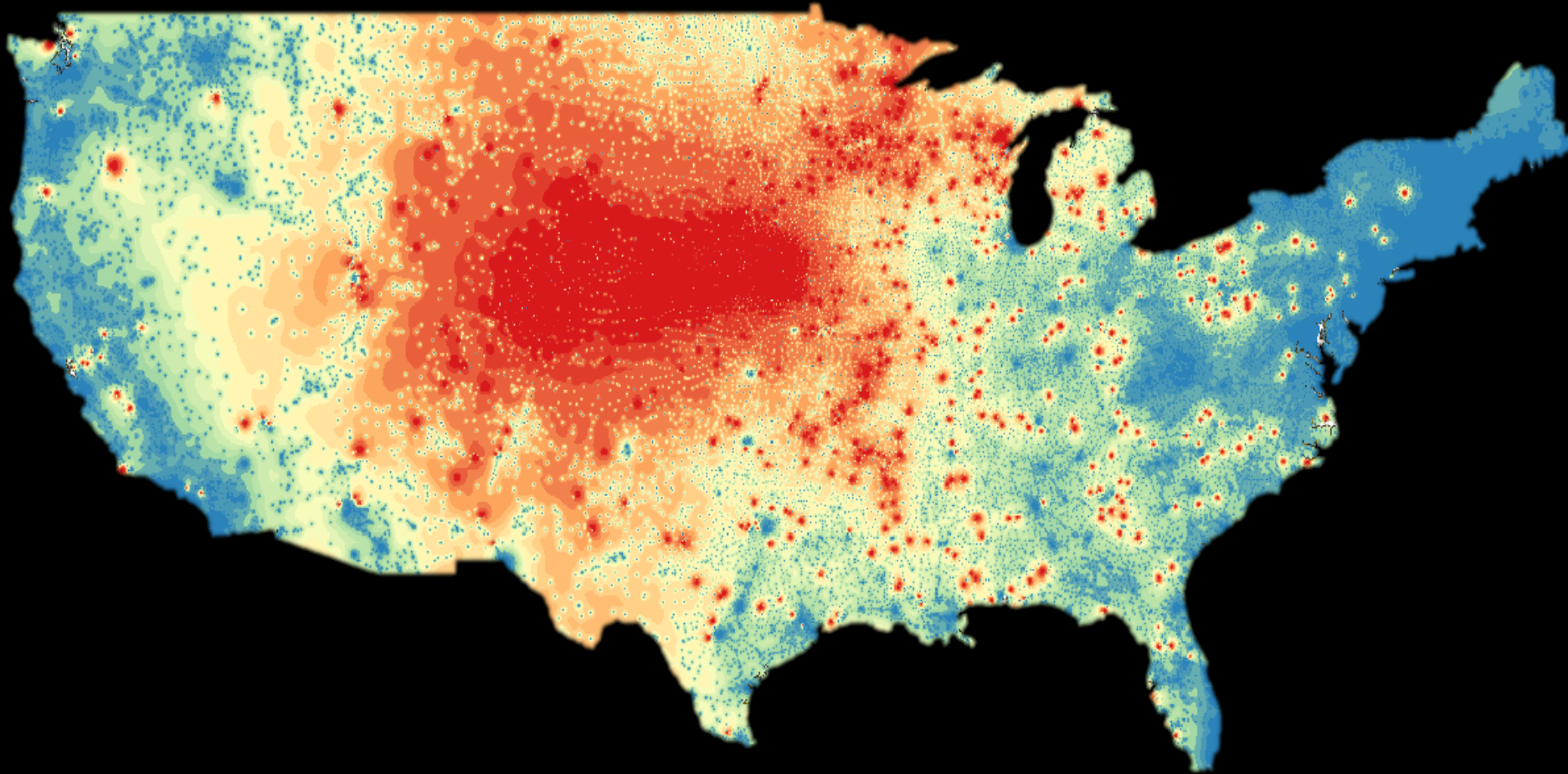
Who uses Nebraska's public access?



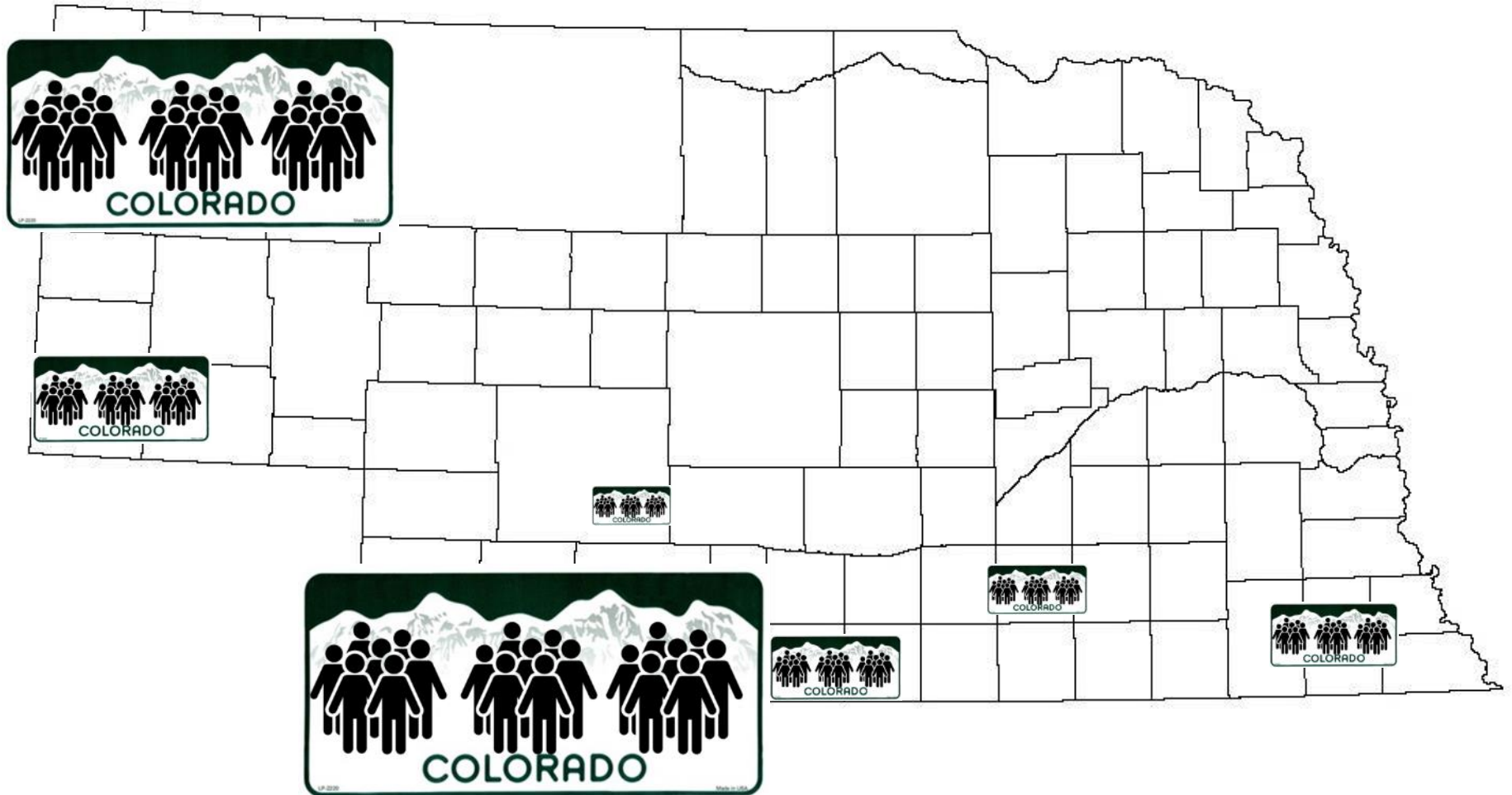
66% of public access users
are Nebraskan's



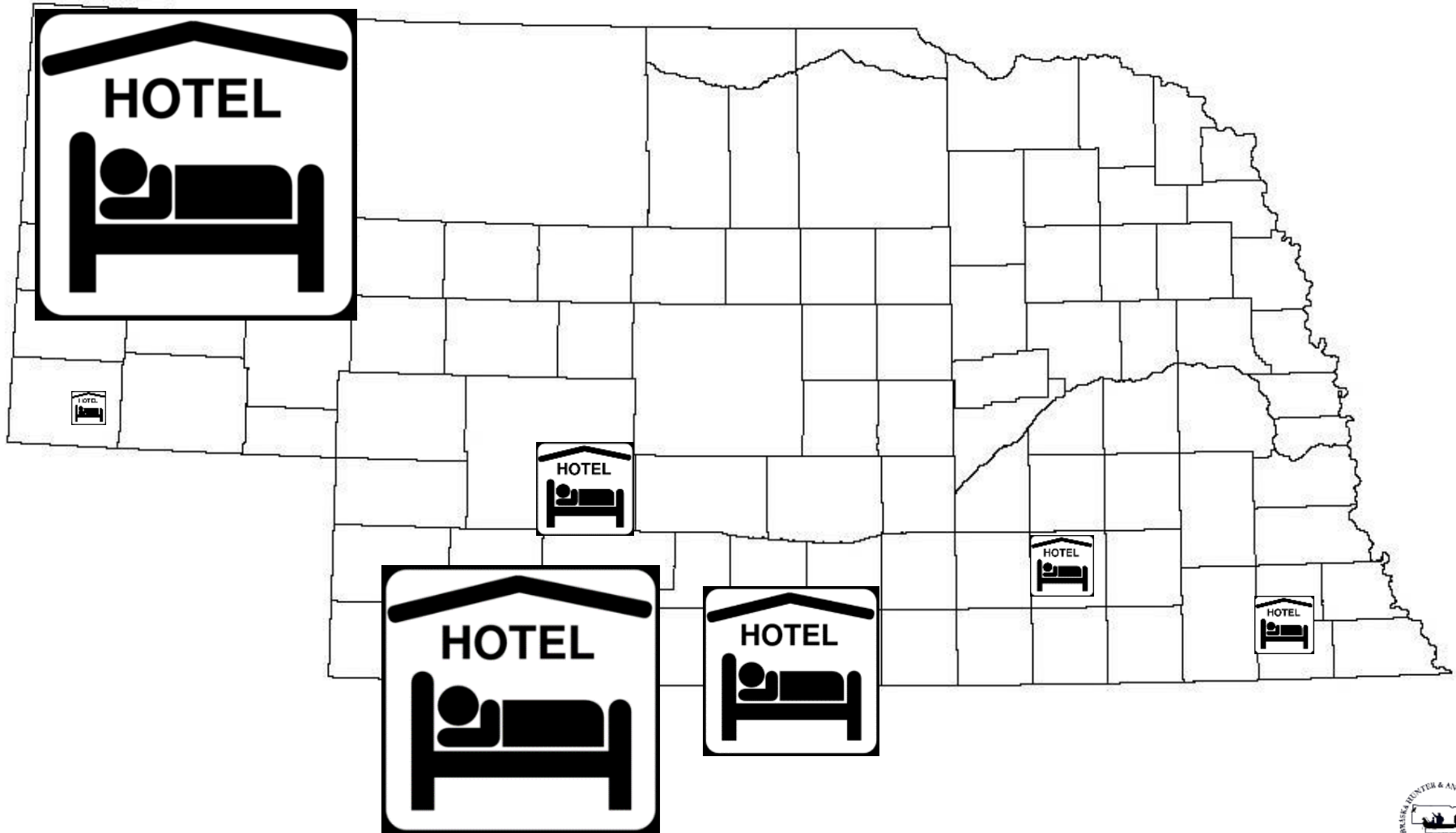
892 unique zip codes from
around the United States



Western Nebraska draws more non-residents



People are more likely to overnight in Western Nebraska too



What are people doing on public lands?



Hunters are the primary user of public lands

Fall – 79% Spring – 49%





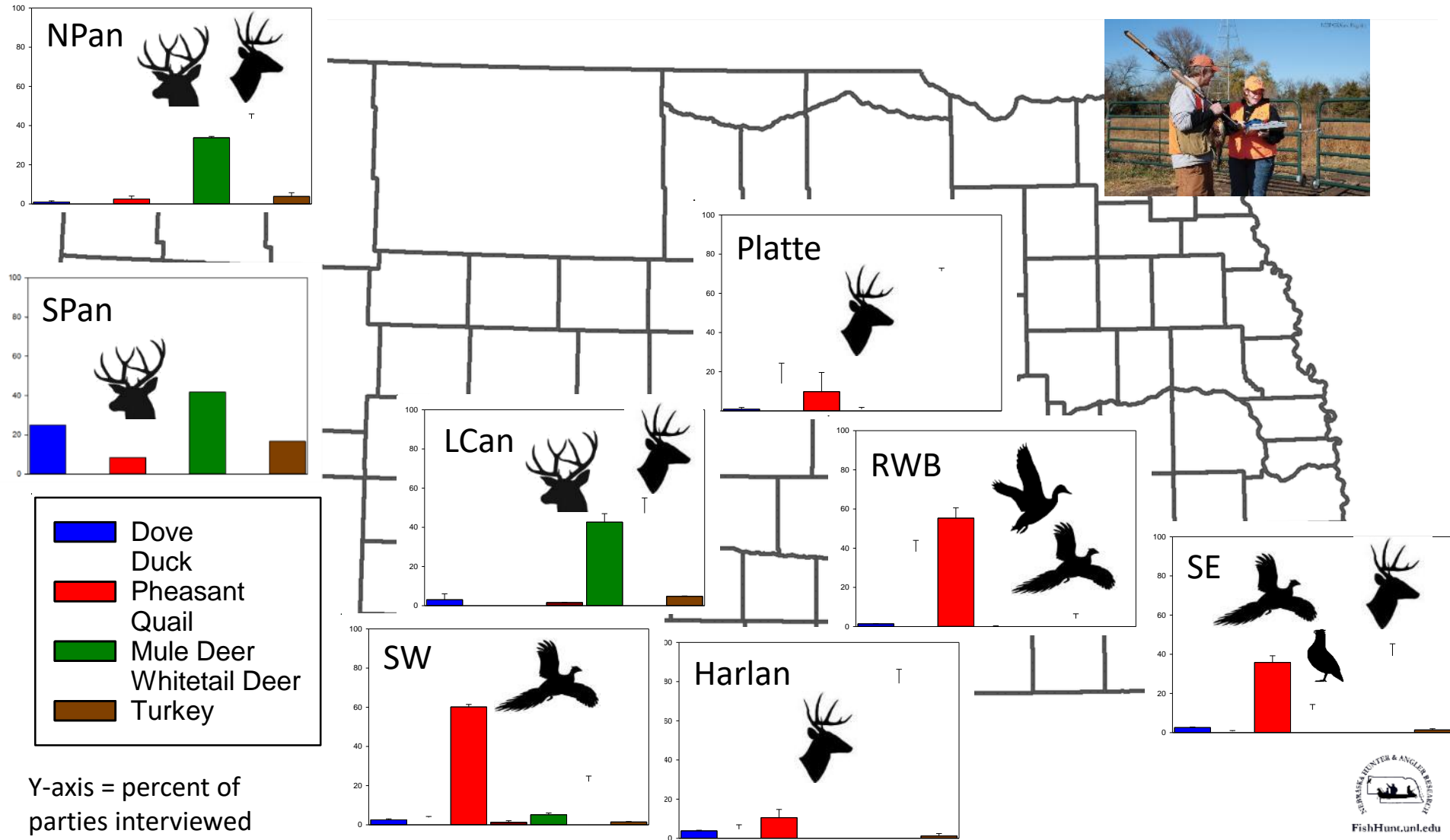
Whitetail – 35%



Pheasant – 35%



Regions provide unique opportunities

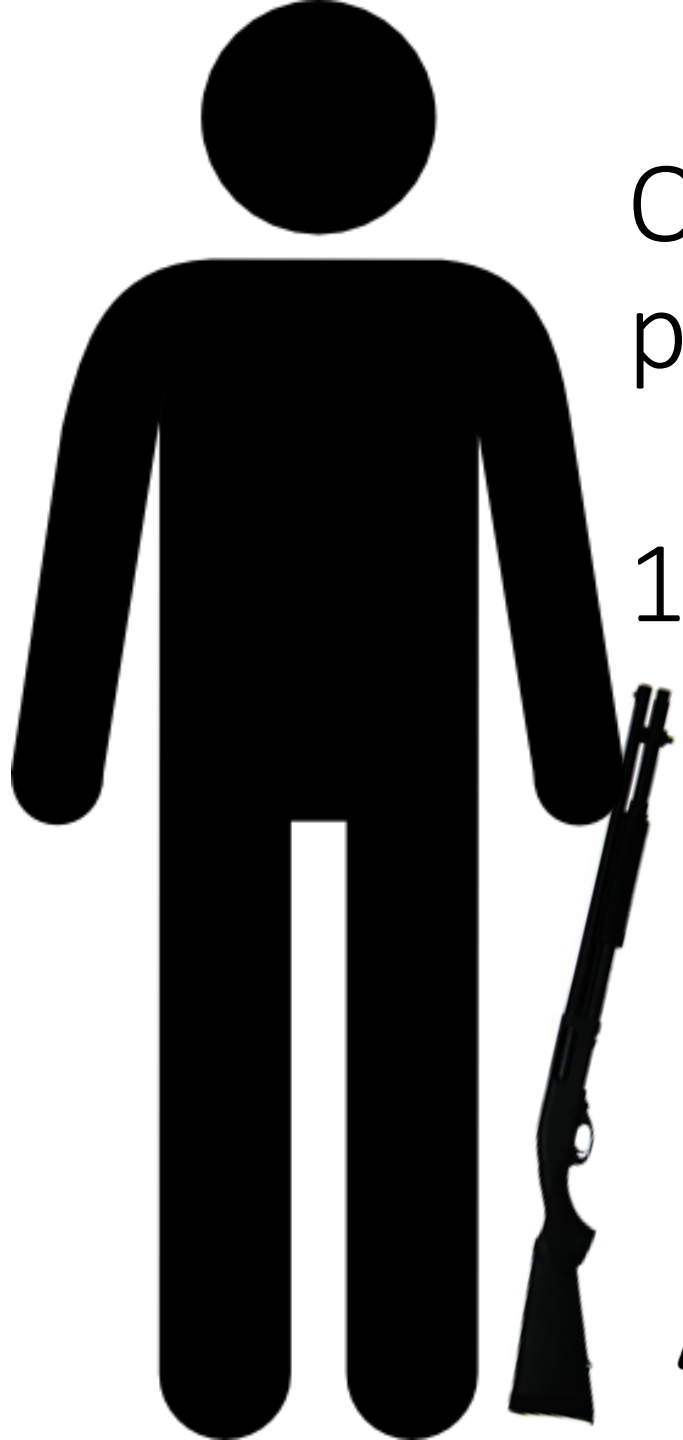


Who are our public land hunters?

HATS NOT TO WEAR DURING HUNTING SEASON...



DAVE GRANLUND © www.davegranlund.com

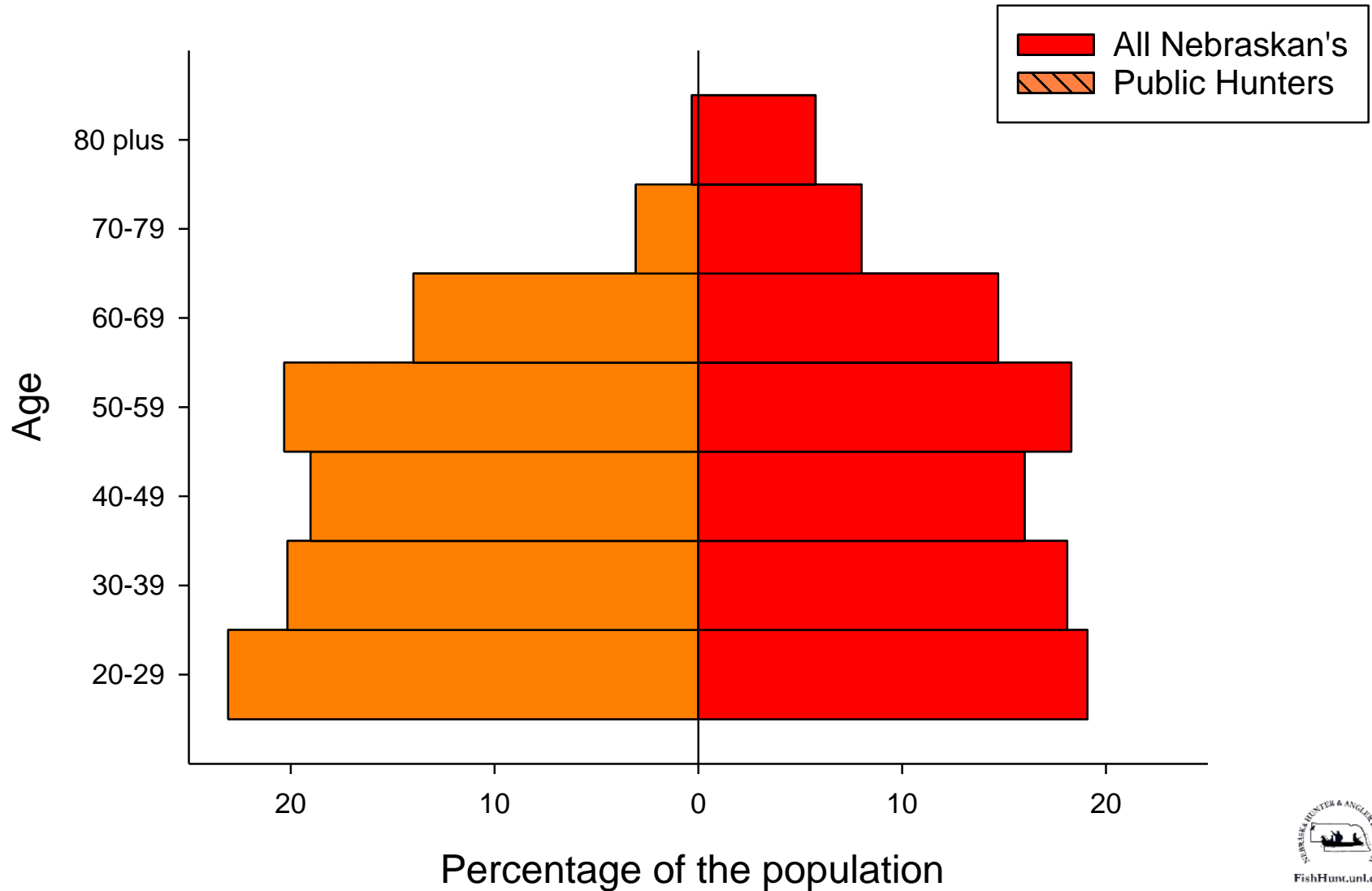


Only 10% of hunting parties included a woman

16% included kids



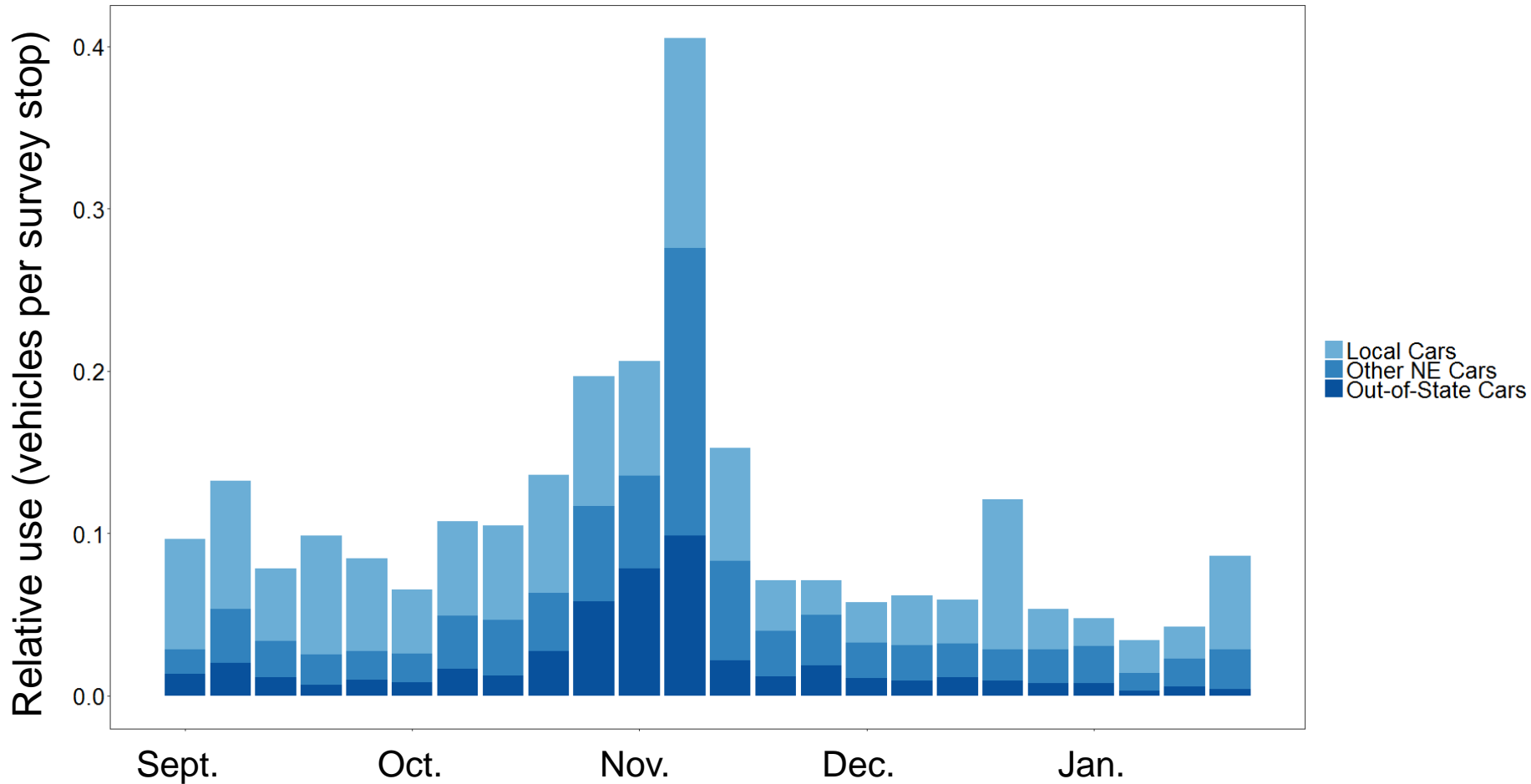
Public hunters represent Nebraska



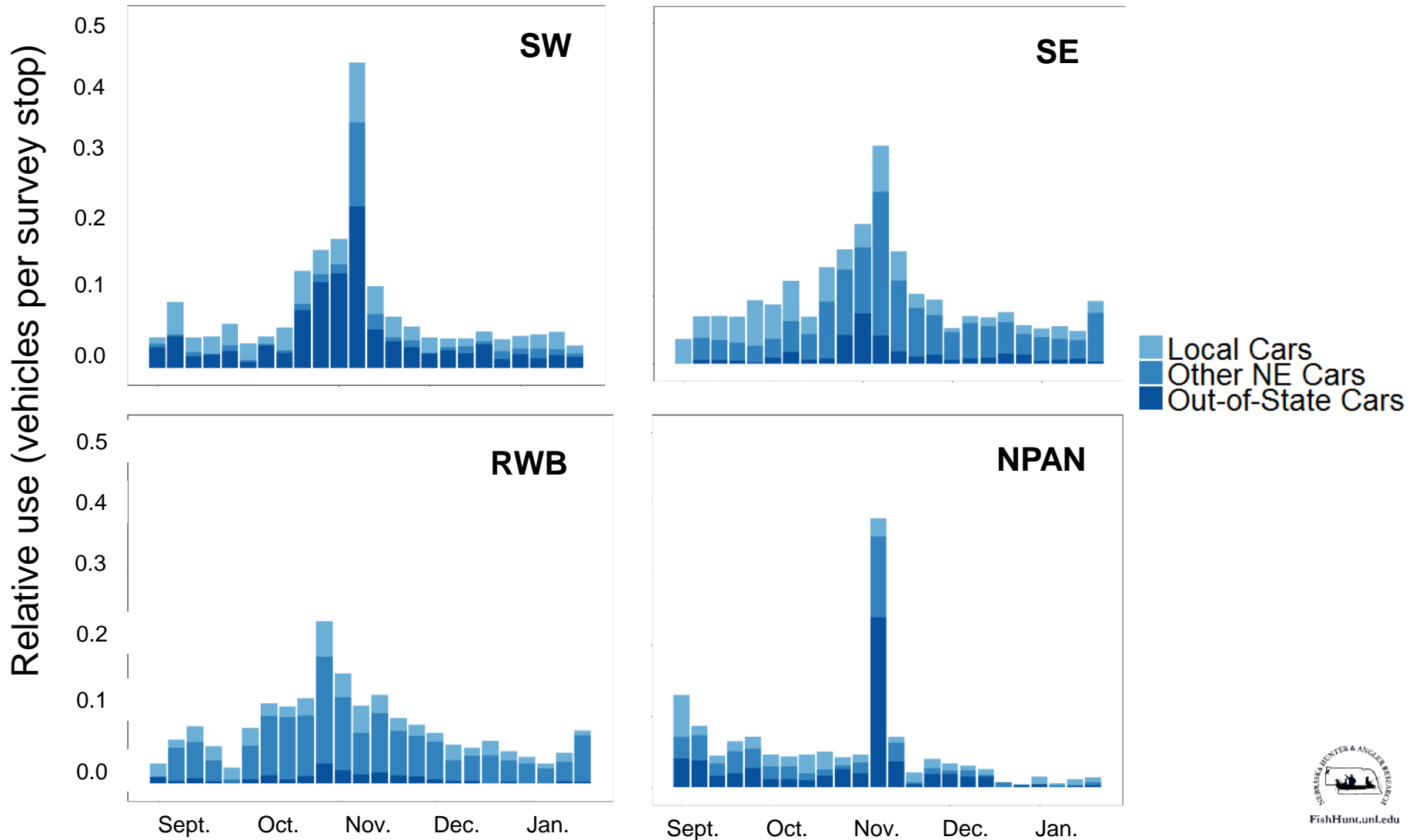
When do they hunt?



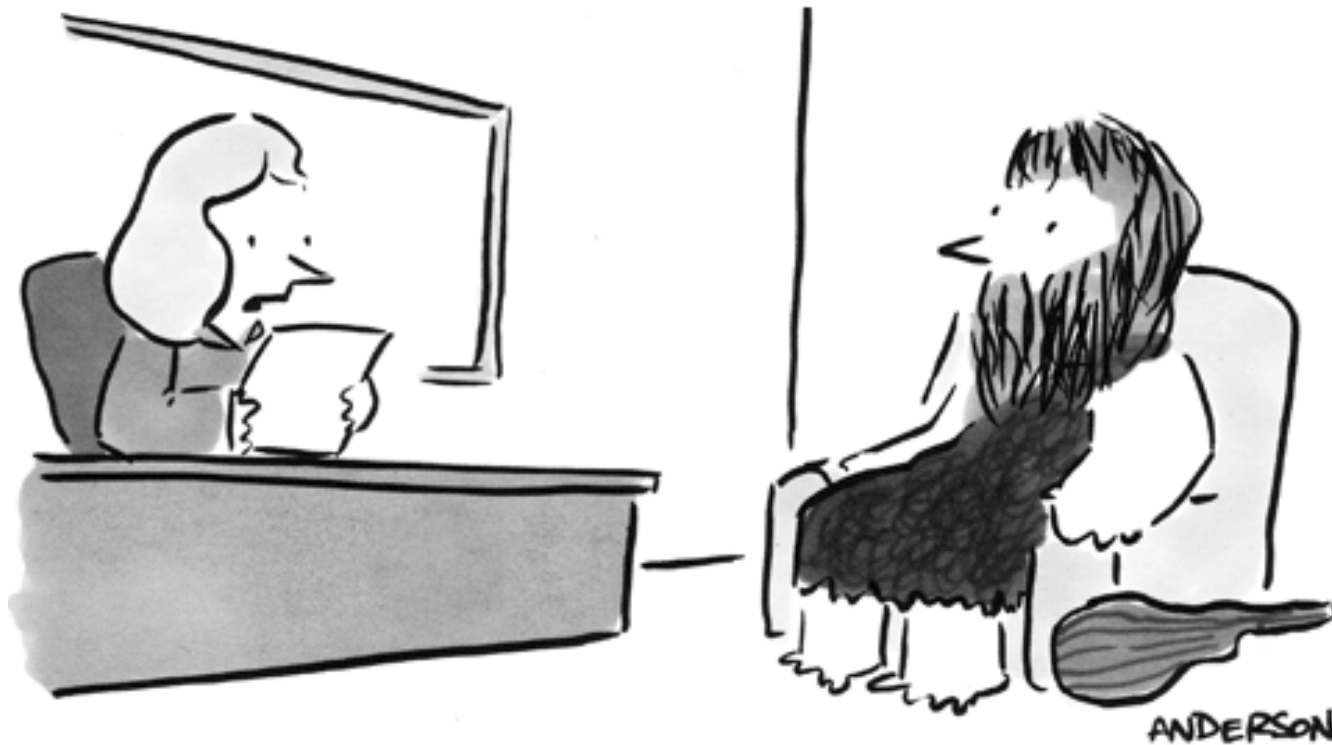
Public hunting peaks in during rifle deer



... but not everywhere

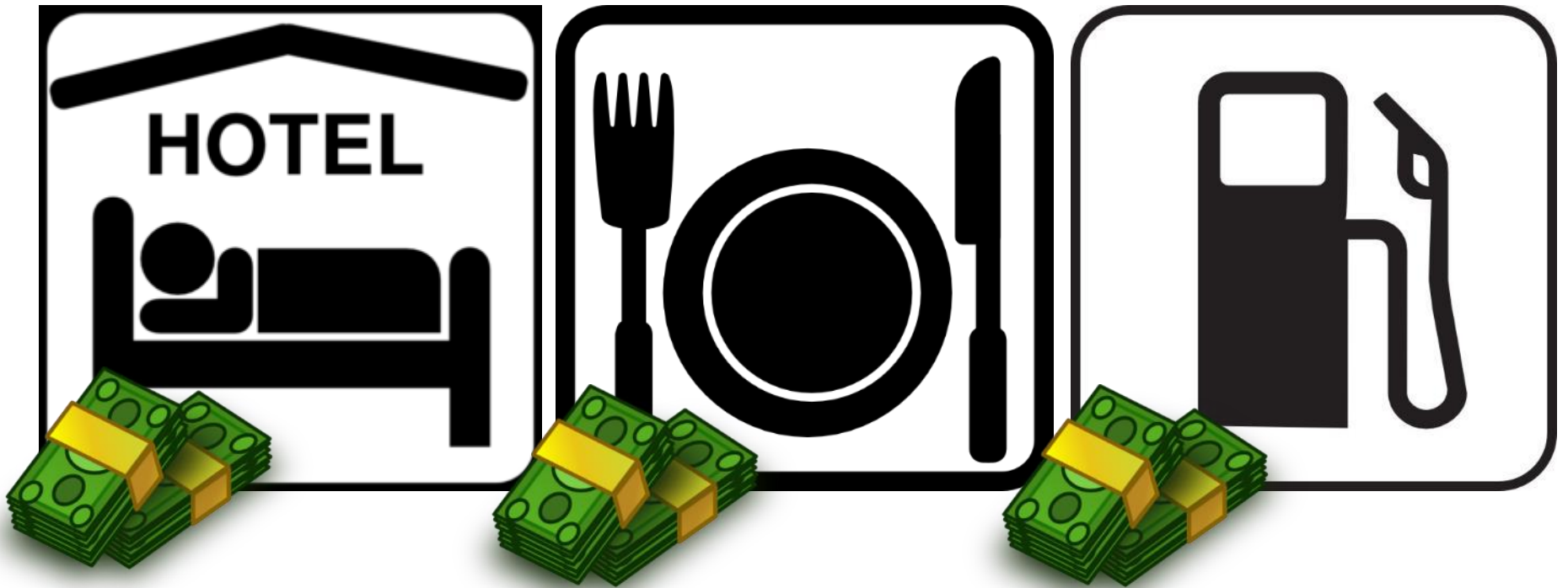


The economy of public hunting



"And how long were you in hunting/gathering?"





Estimating trip cost

Trip cost ~

Estimating trip cost

Trip cost ~ Fuel



Travel distance

÷

US Avg. MPG

×

US Avg. cost/gal.
regular fuel

Estimating trip cost

Trip cost ~ Fuel + Lodging



Travel distance

÷

US Avg. MPG

×

US Avg. cost/gal.
regular fuel



Lodging type =
HOTEL

×

Trip Length (nights)

×

NE federal lodging
rate

Estimating trip cost

Trip cost ~ Fuel + Lodging + Meals



Travel distance
÷
US Avg. MPG
×
US Avg. cost/gal.
regular fuel

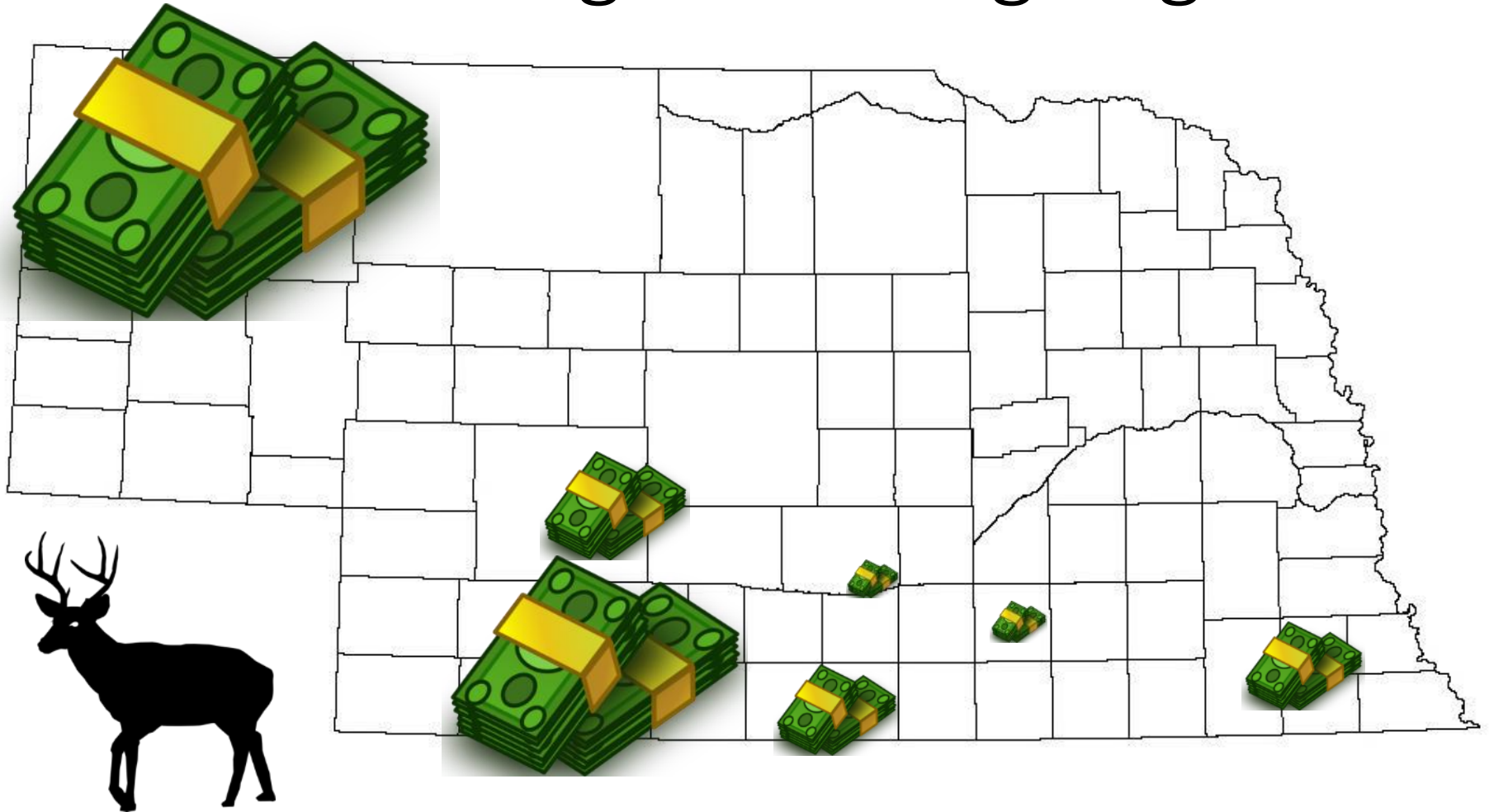


Lodging type =
HOTEL
×
Trip Length (nights)
×
NE federal lodging
rate



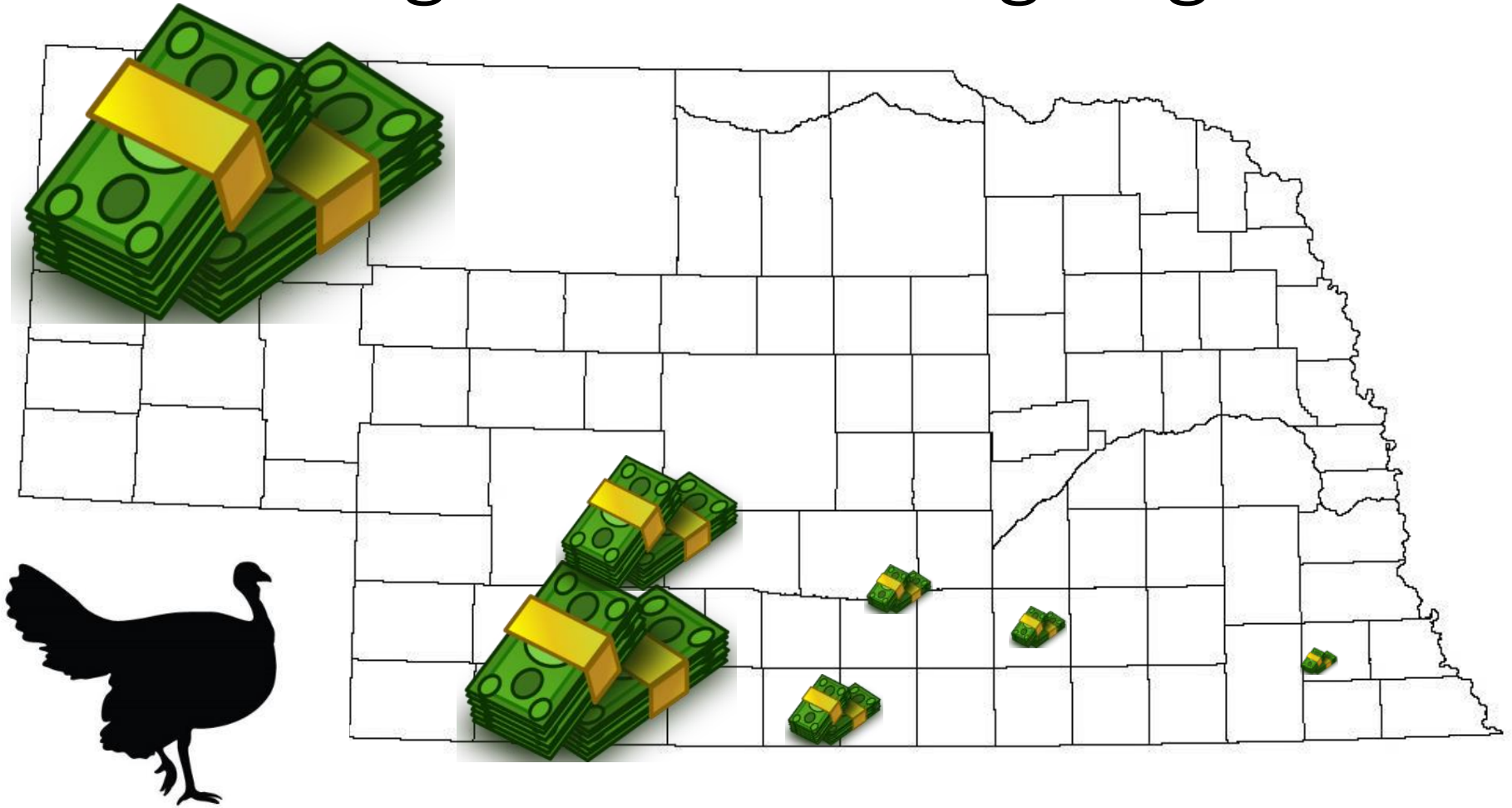
Party size
×
Trip Length (days)
×
NE federal M&IE rate

Economics of public lands whitetail deer hunting increase going West



Statewide trip average = \$275

Economics of public lands turkey hunting also increase going West



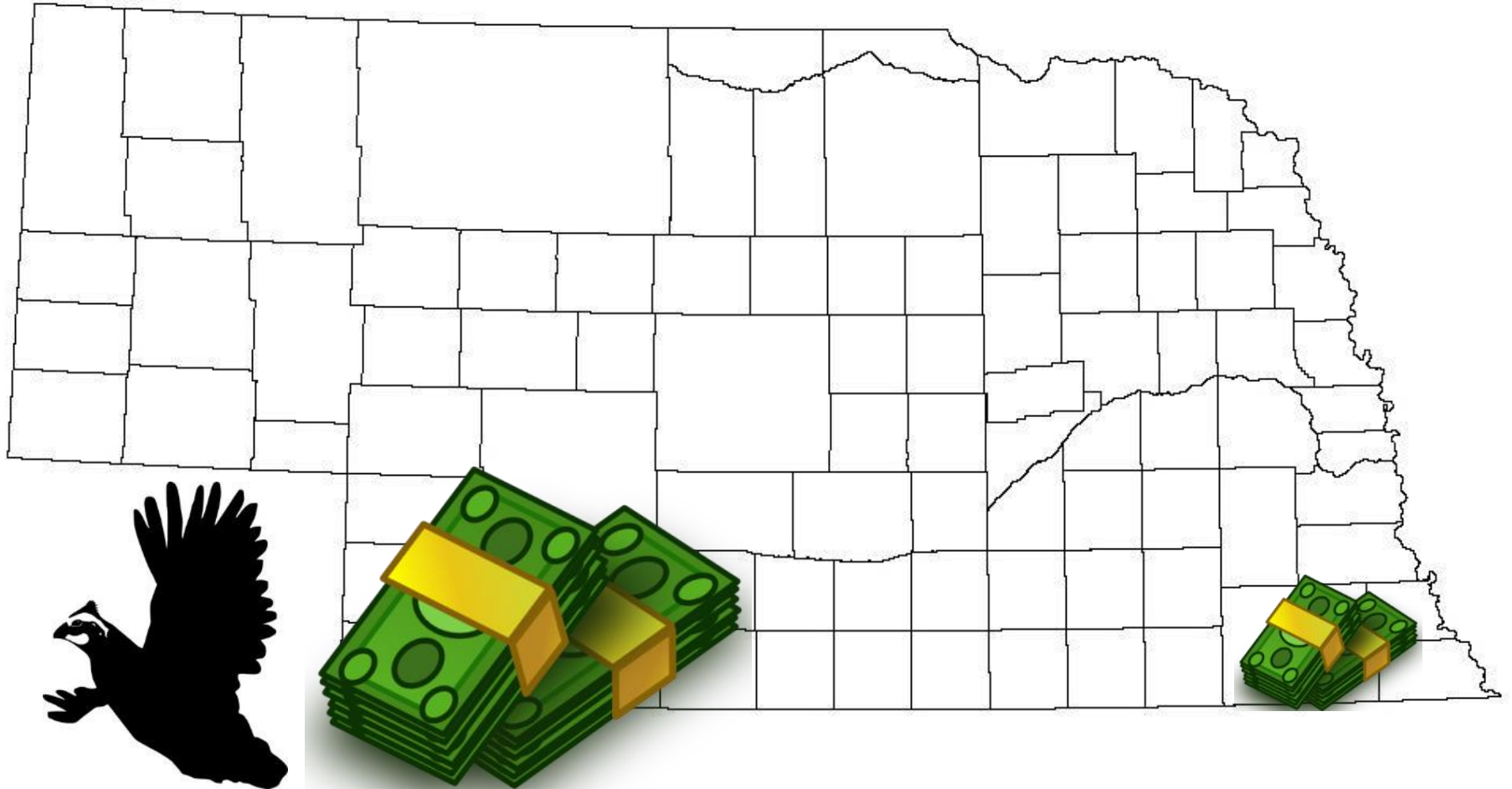
Statewide trip average = \$242

Economics of public lands pheasant hunting highest in Southwest



Statewide trip average = \$188

Economics of public lands quail hunting is split between the Southwest/East



Statewide trip average = \$118

Economics of public lands duck hunting are less clear



Statewide trip average = \$57

2017

BIG GAME

GUIDE

INFORMATION FOR:

- Antelope
- Bighorn Sheep
- Deer
- Elk

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» OutdoorNebraska.org



2017

TURKEY

GUIDE

INFORMATION FOR:

- Spring and Fall Seasons
- Youth Hunting
- Permit Application
- Wild Turkey Identification

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— GAME  PARKS —



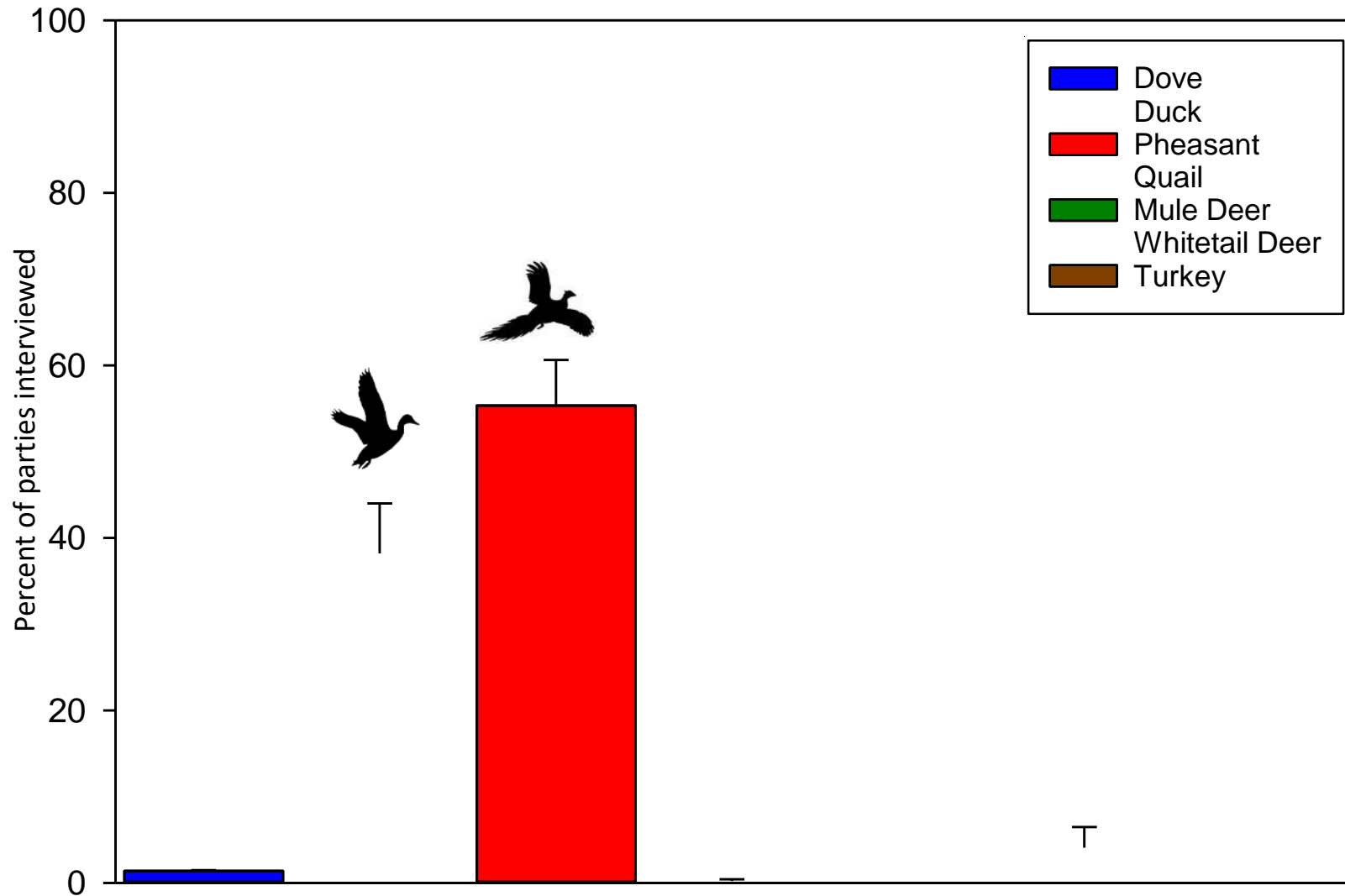
» OutdoorNebraska.org



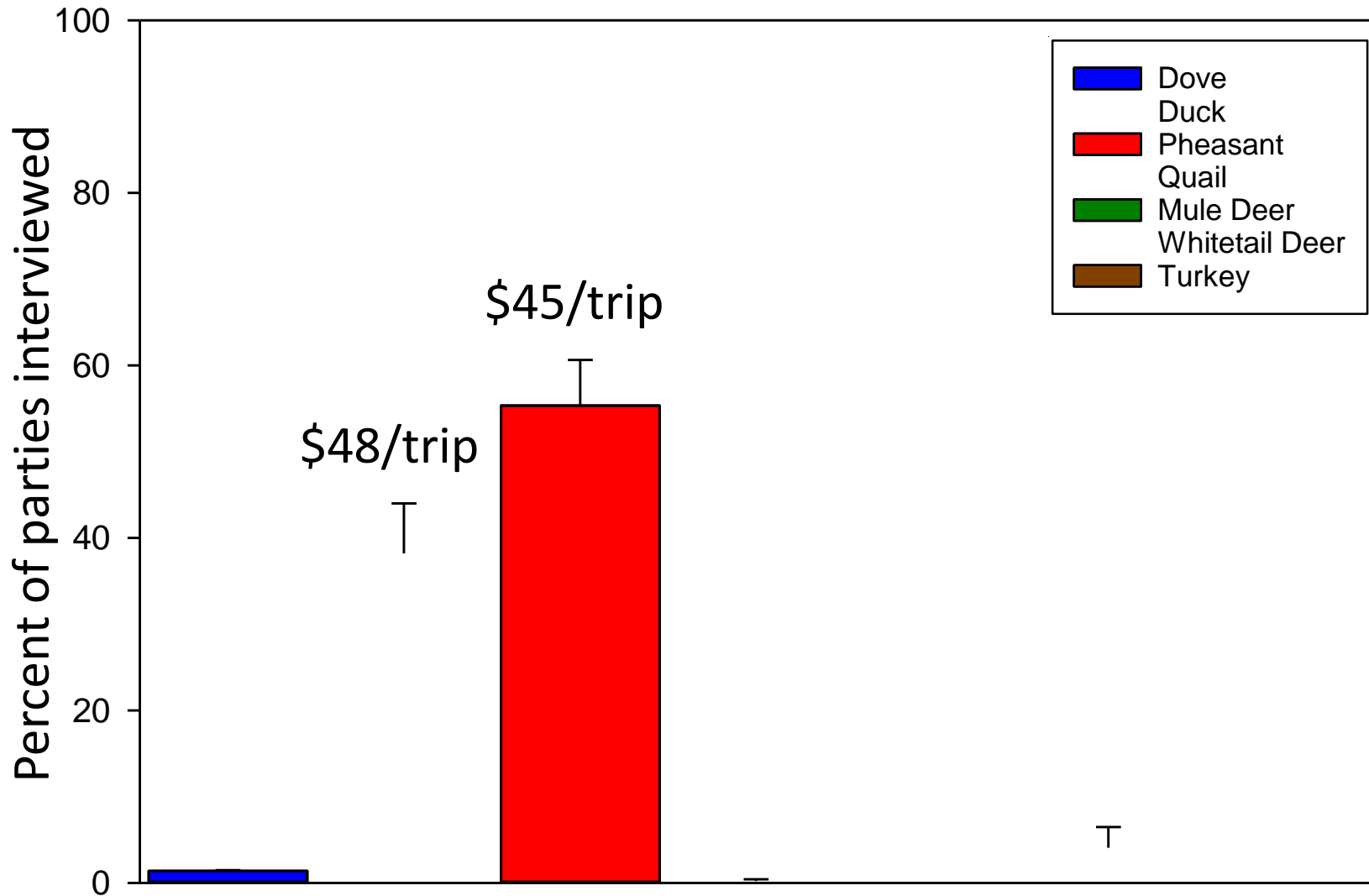
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Rainwater Basin = bird hunting



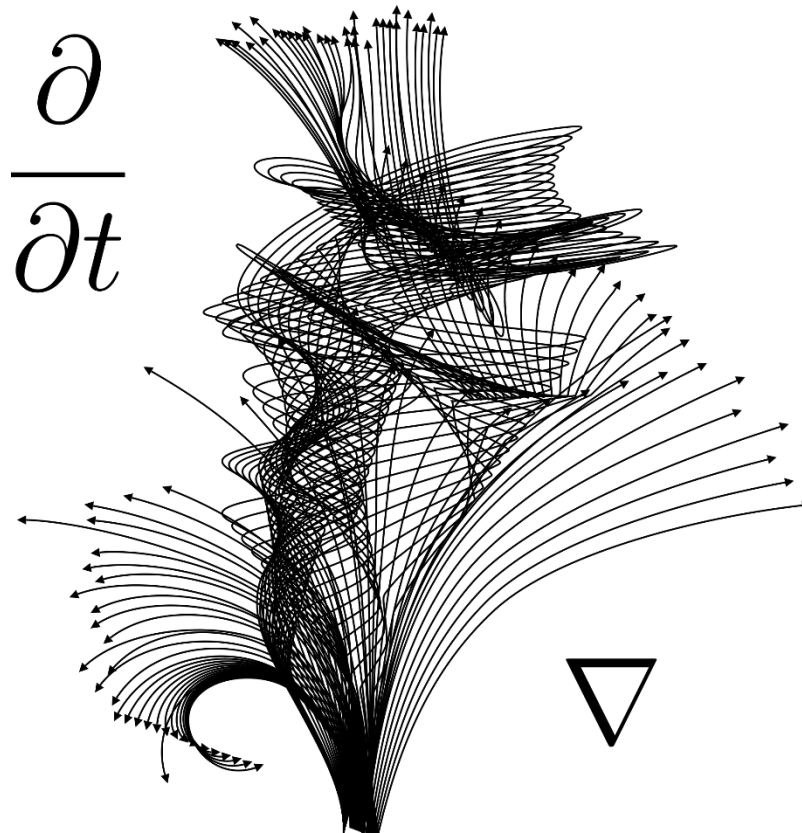
Rainwater Basin = day trip



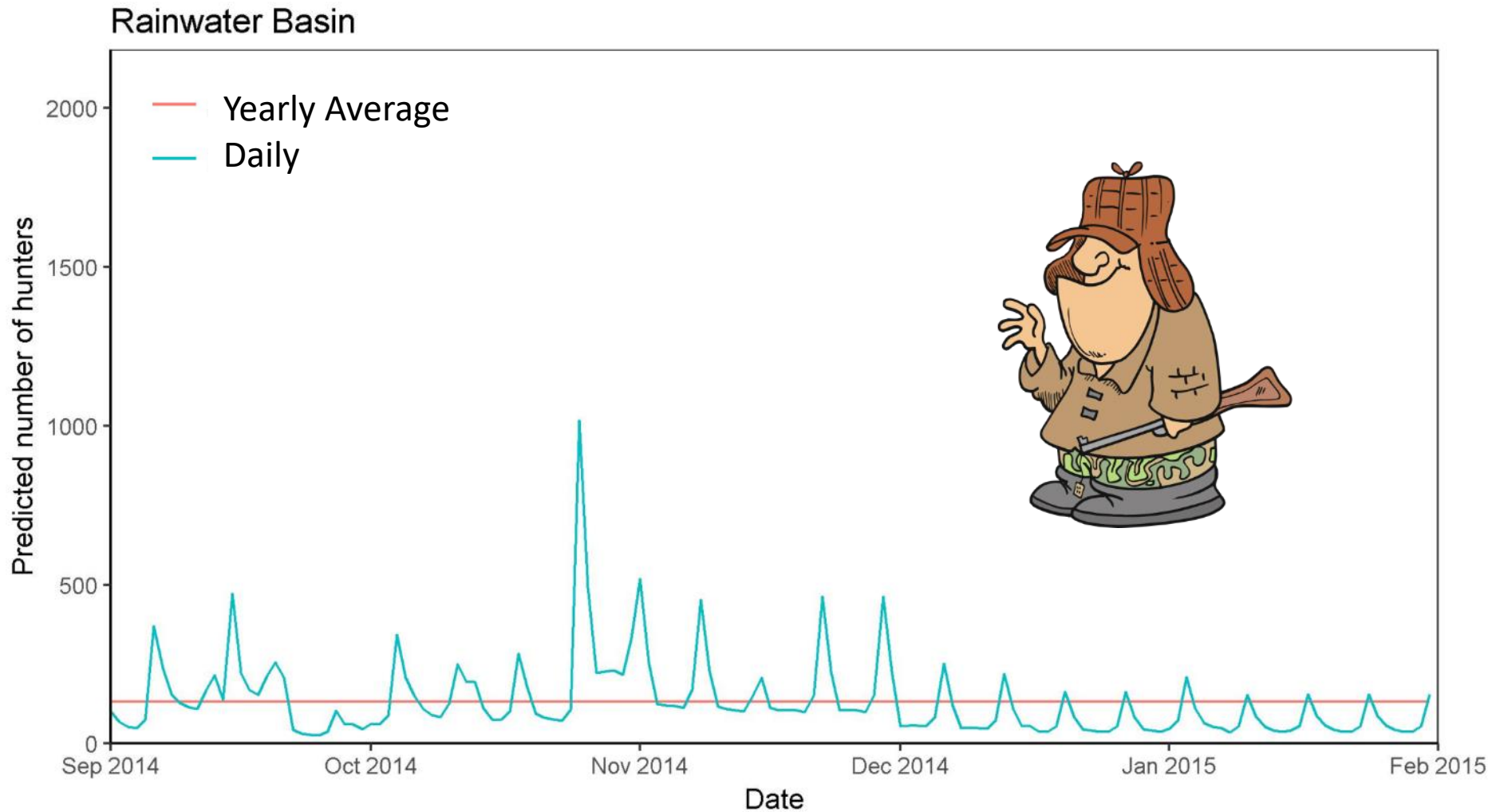
How many hunting trips are there to the Rainwater Basin?



The magic of math!

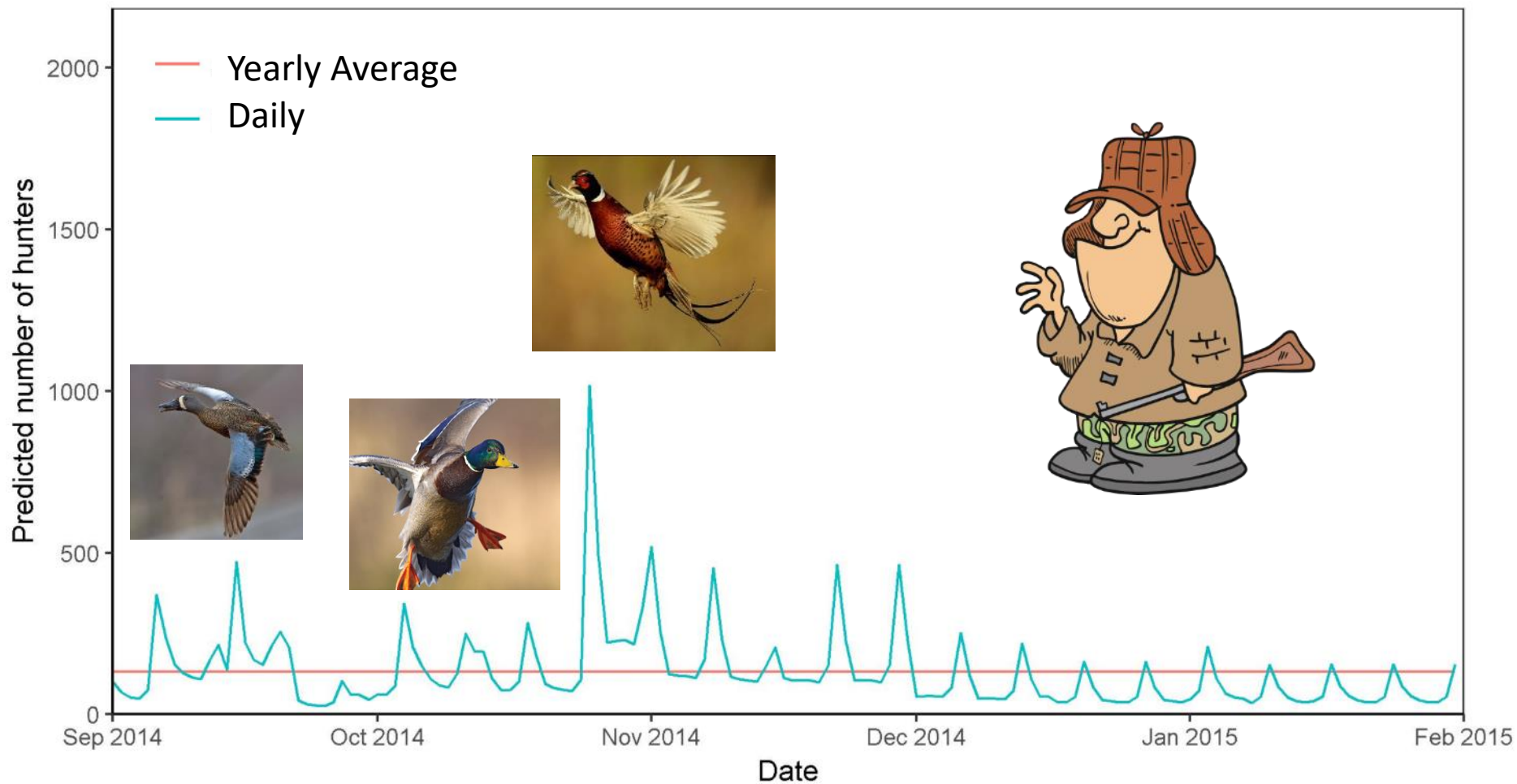


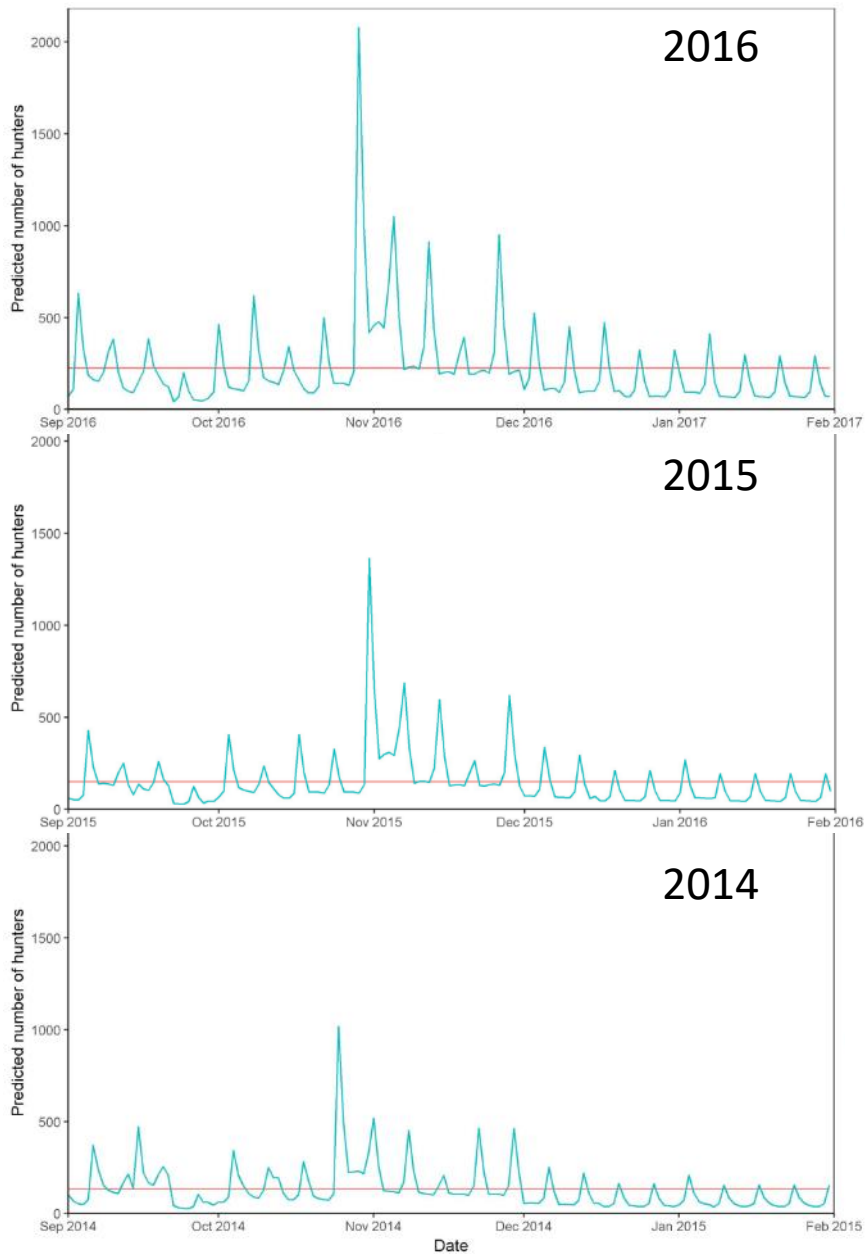
Predicted daily hunting pressure



Predicted daily hunting pressure

Rainwater Basin



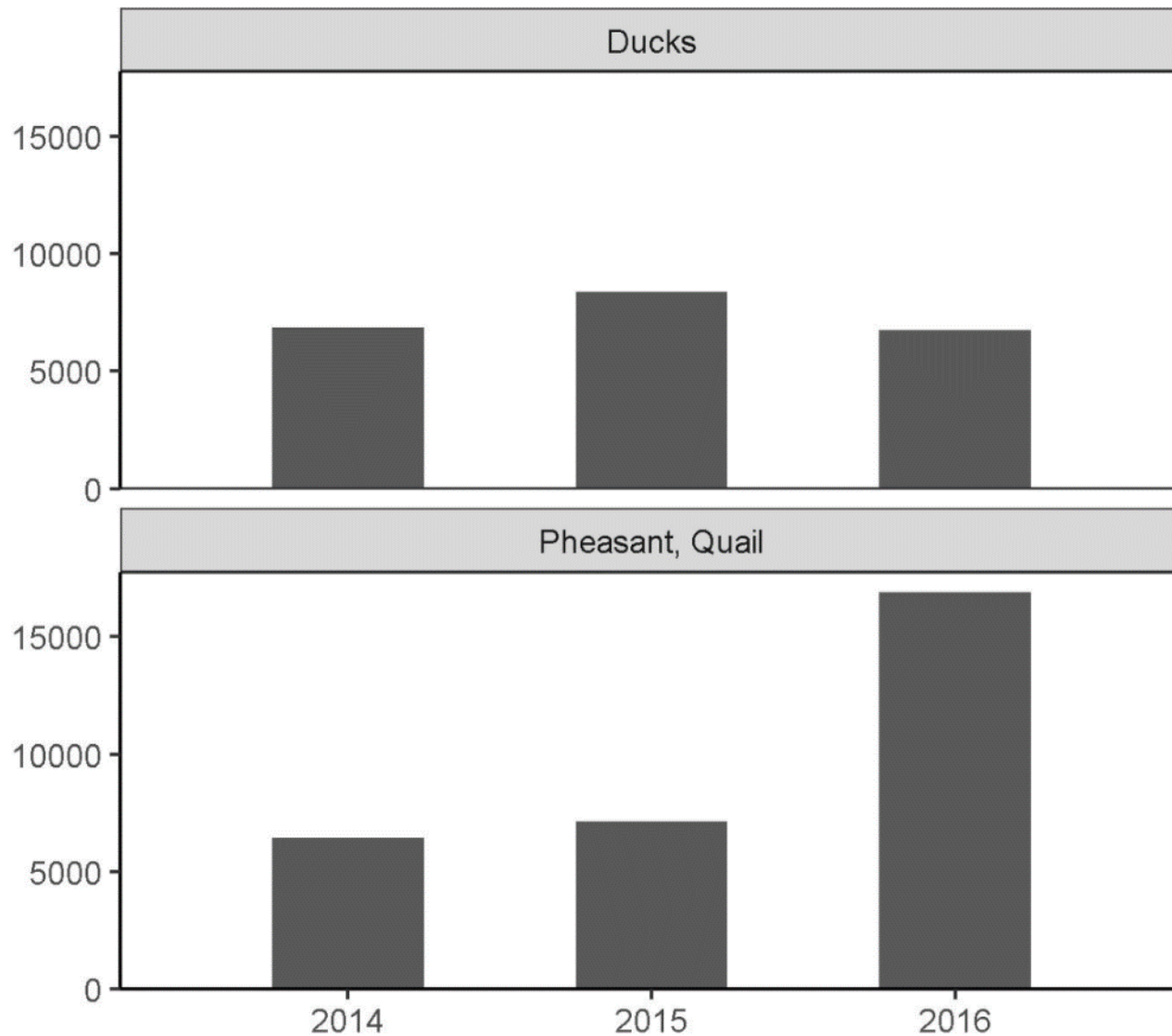


Hunting pressure changes by date and year . . .



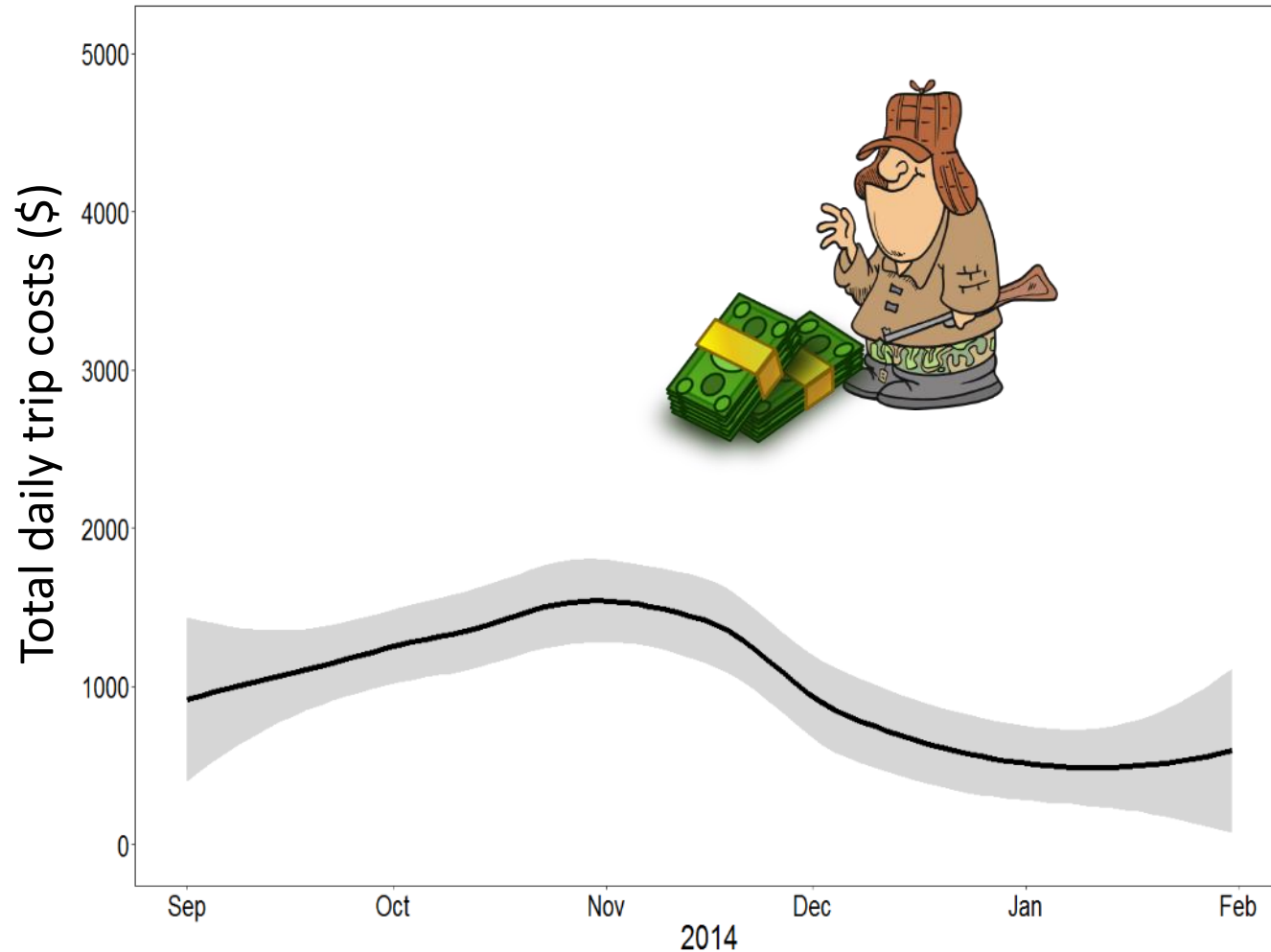
even species

Predicted hunter trip days

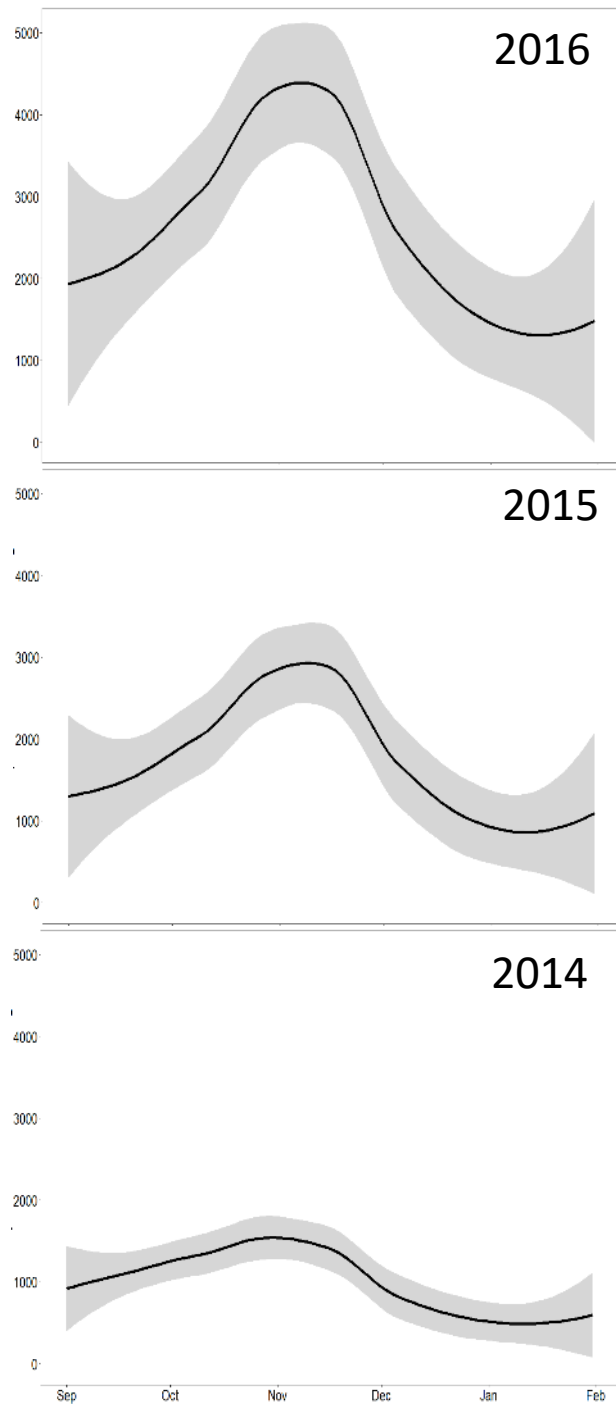


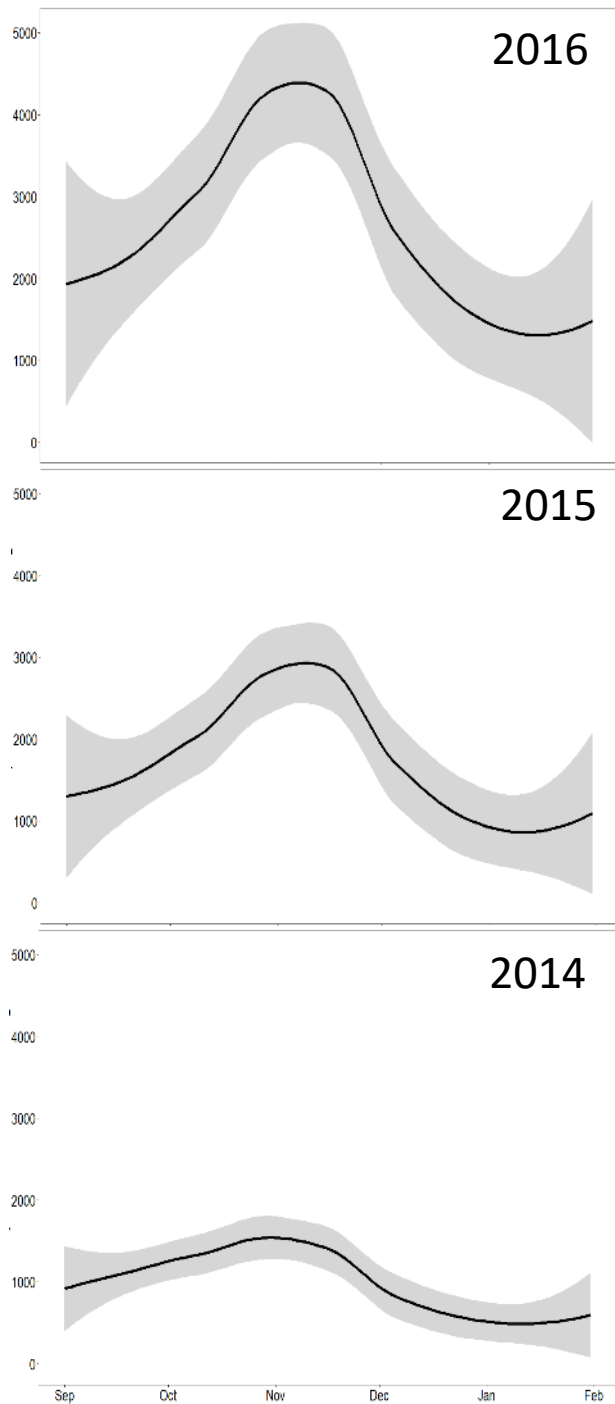


Predicted daily expenditures of public lands hunters in the Rainwater Basin



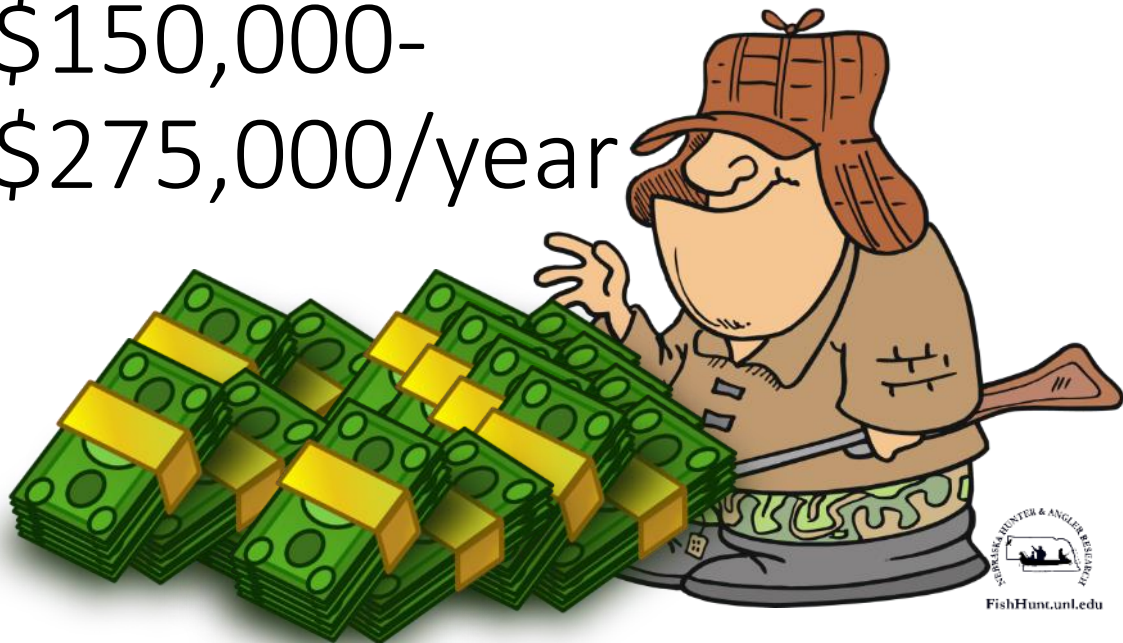
Average direct economic impact of public hunting in the Rainwater Basin . . .

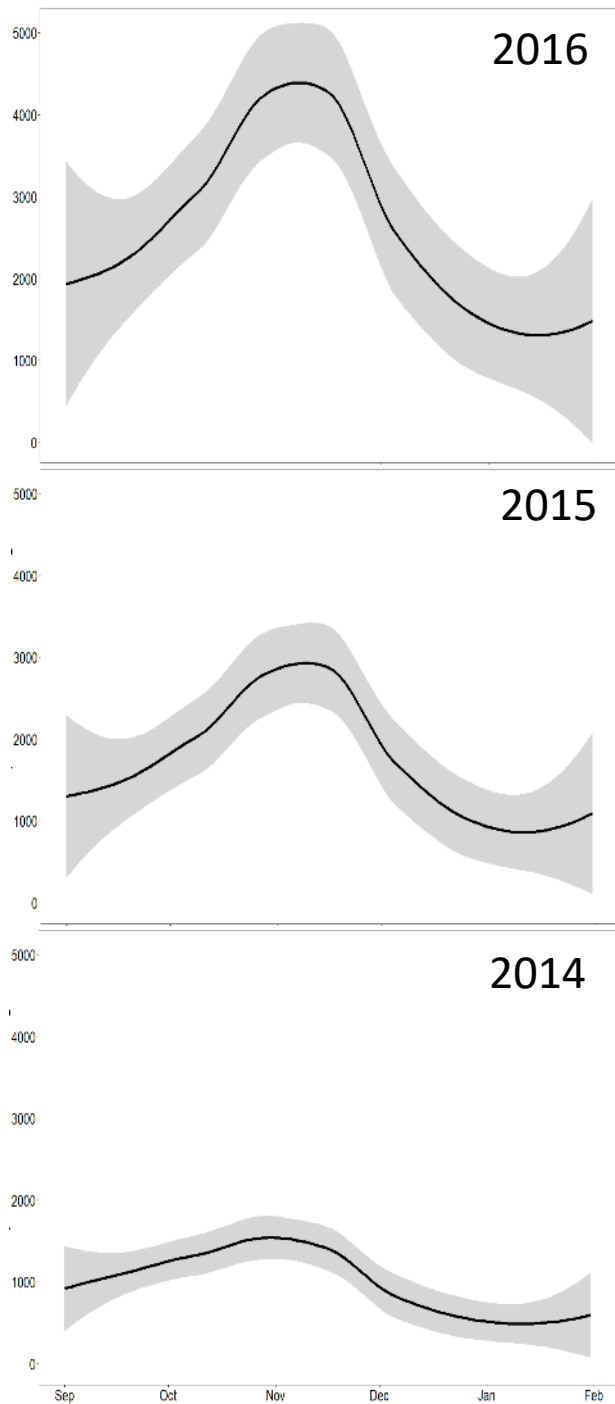




Average direct
economic impact of
public hunting in the
Rainwater Basin . . .

\$150,000-
\$275,000/year



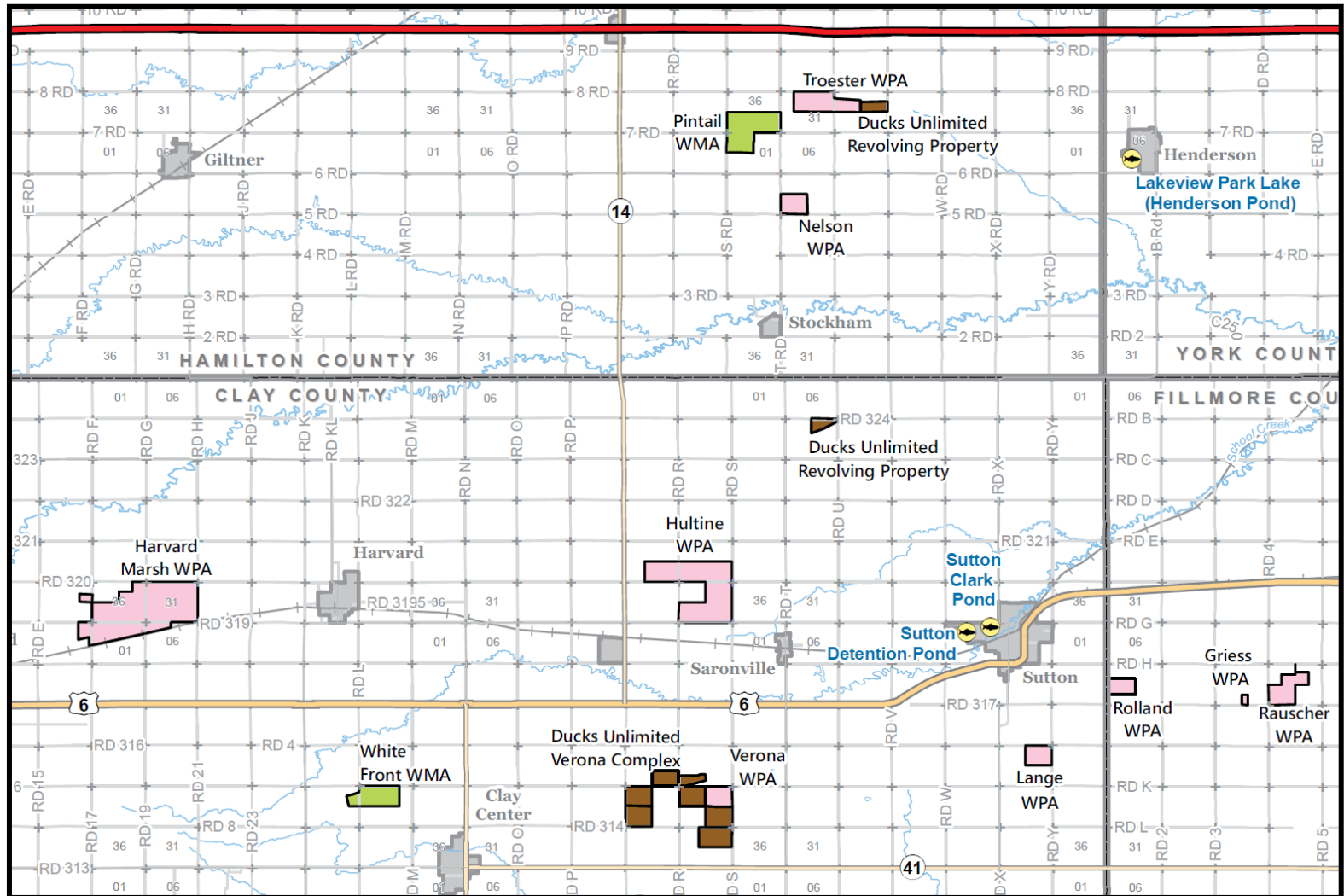


Average direct
economic impact of
public hunting in the
Rainwater Basin . . .

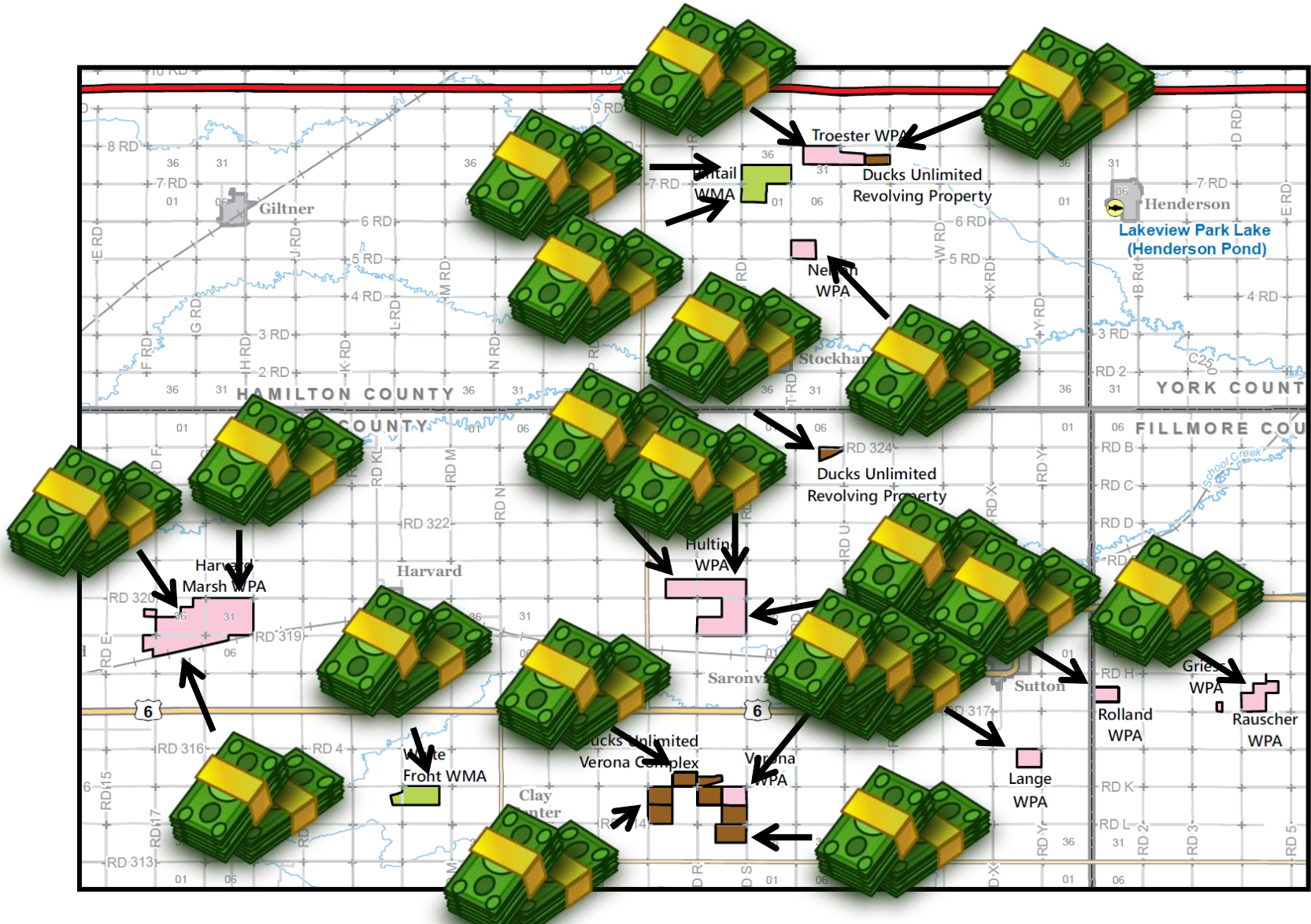
\$150,000/year



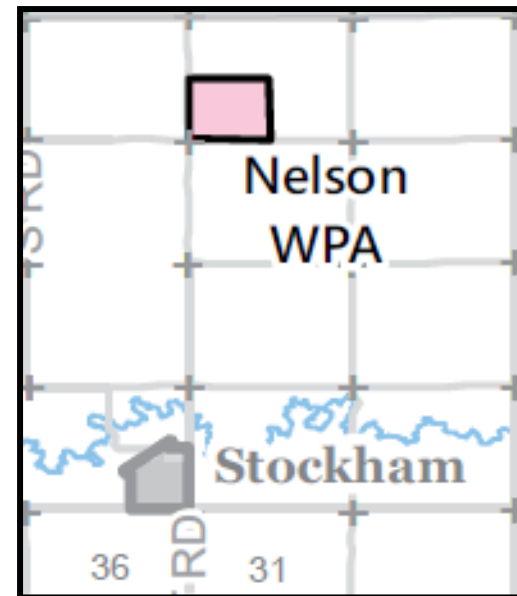
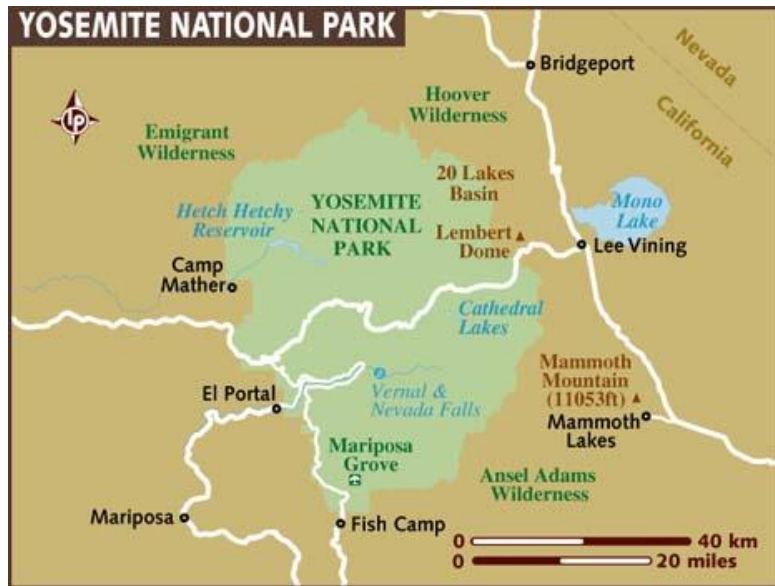
Each section of ground with access



\$2,200/year



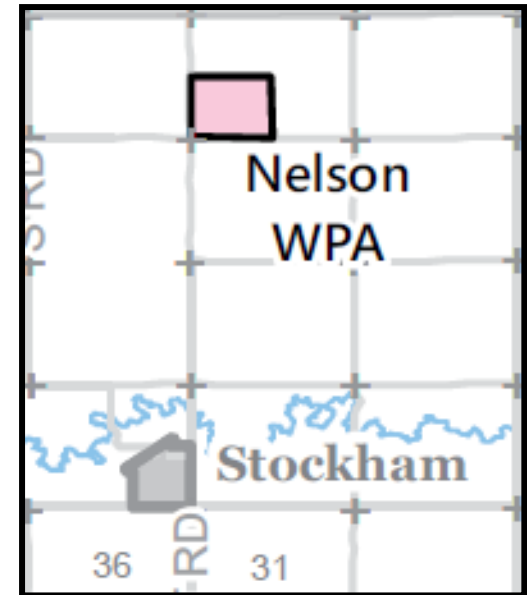
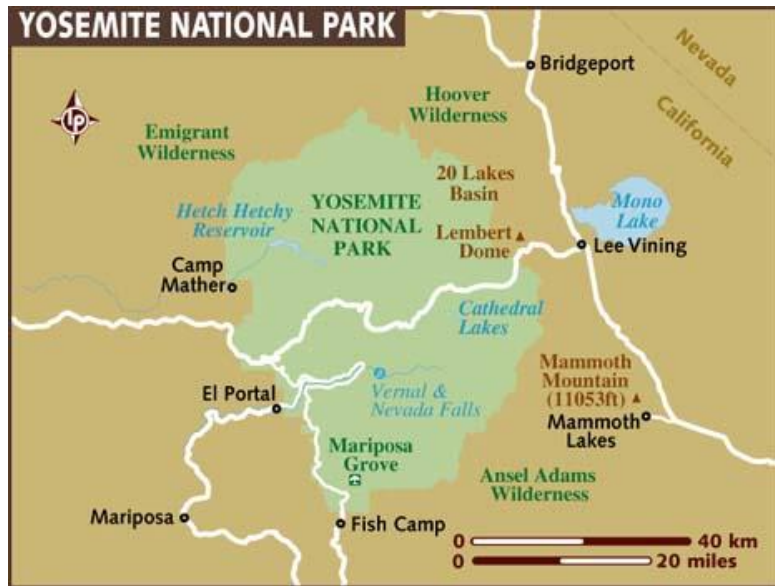
So how does our economic impact compare?



So how does our economic impact compare?

\$520,000,000 Annually

\$2,200 Annually

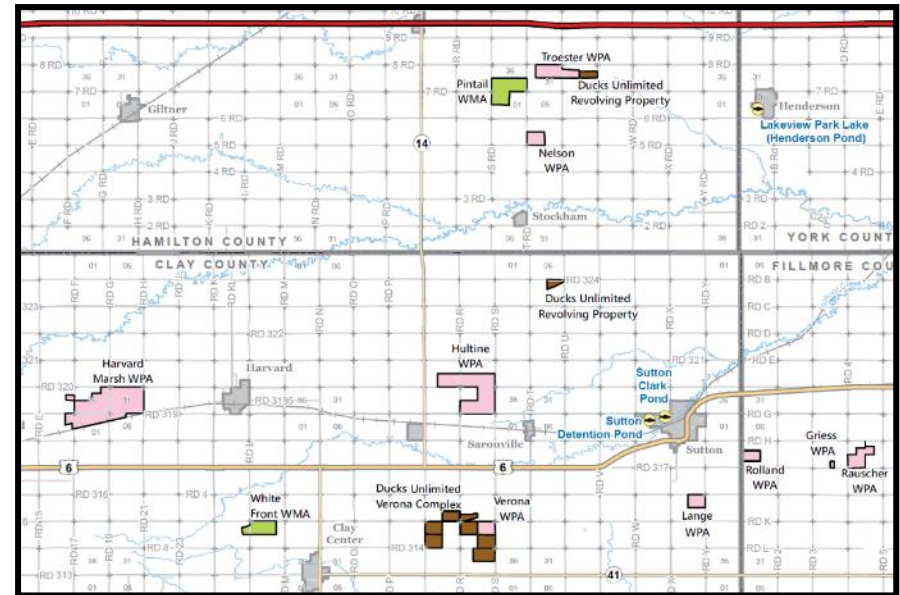
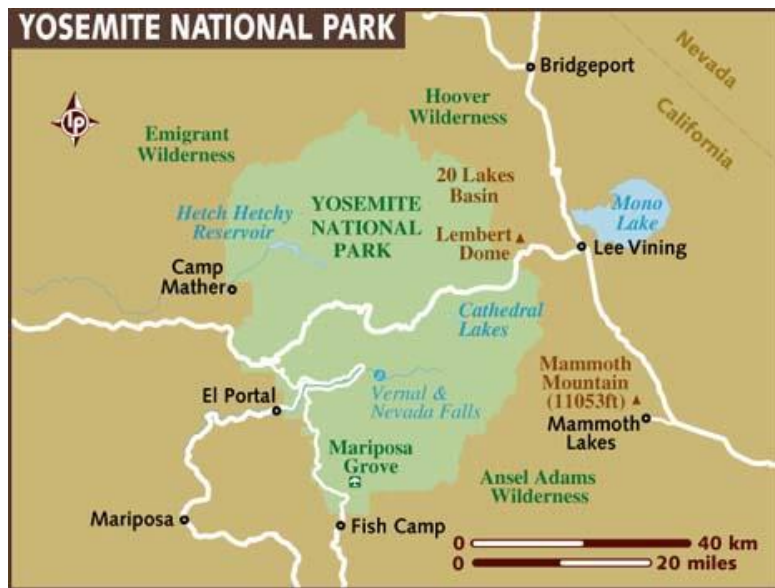


~ 230,000X less

So how does our economic impact compare?

\$520,000,000 Annually

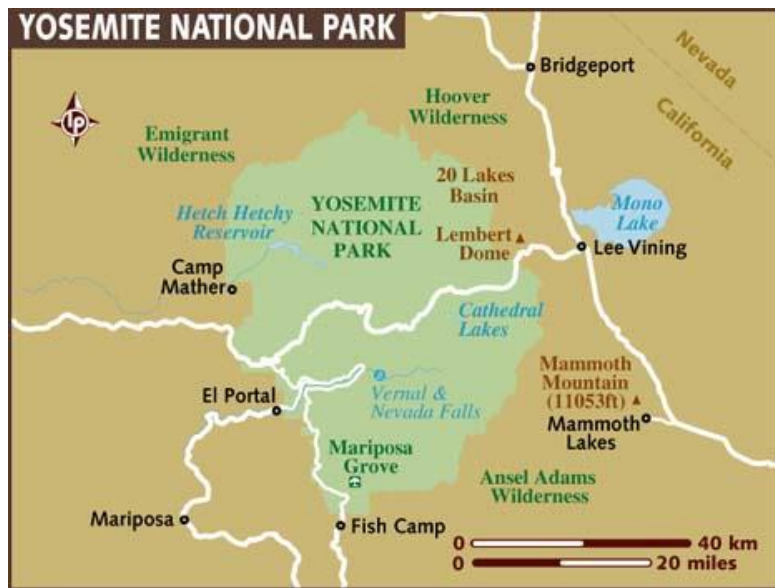
\$150,000 Annually



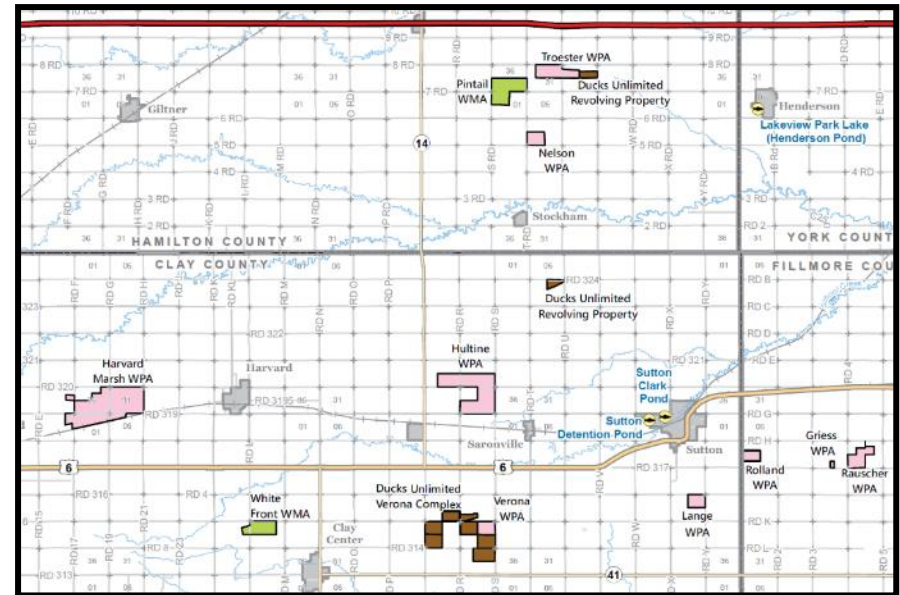
~3400X less

So how does our economic impact compare?

\$700/Acre Annually



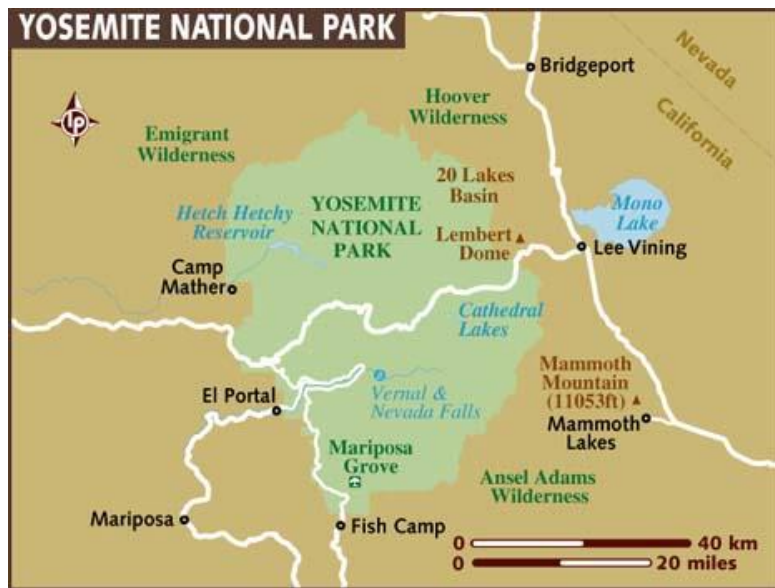
\$10/Acre Annually



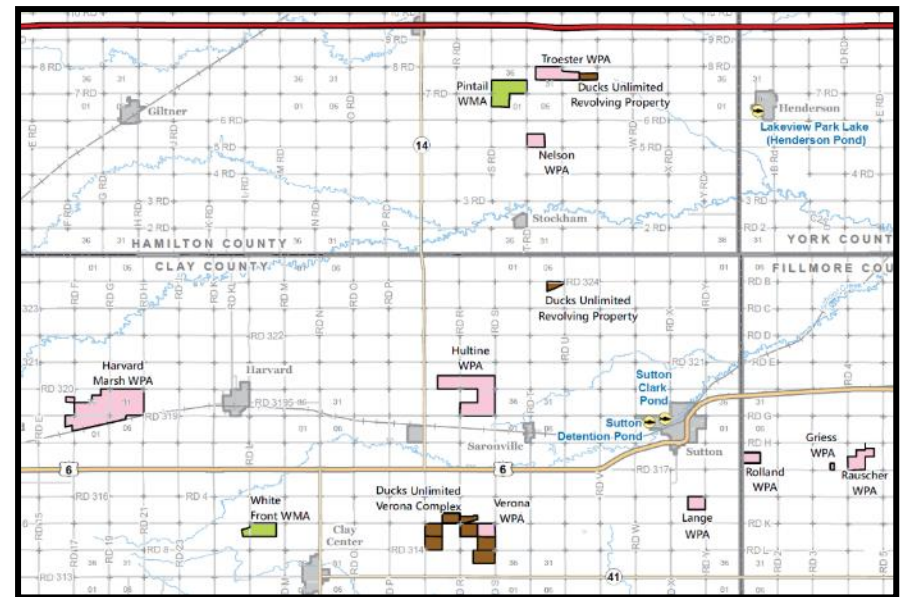
~ 70X less

So how does our economic impact compare?

\$58/Acre/Month

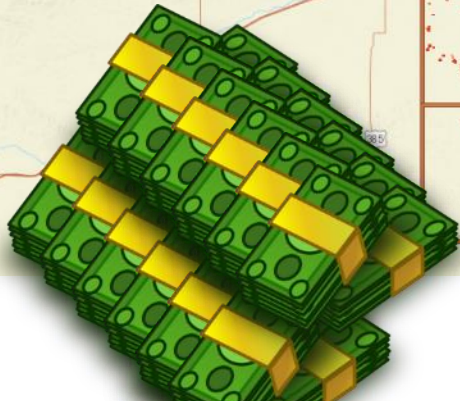
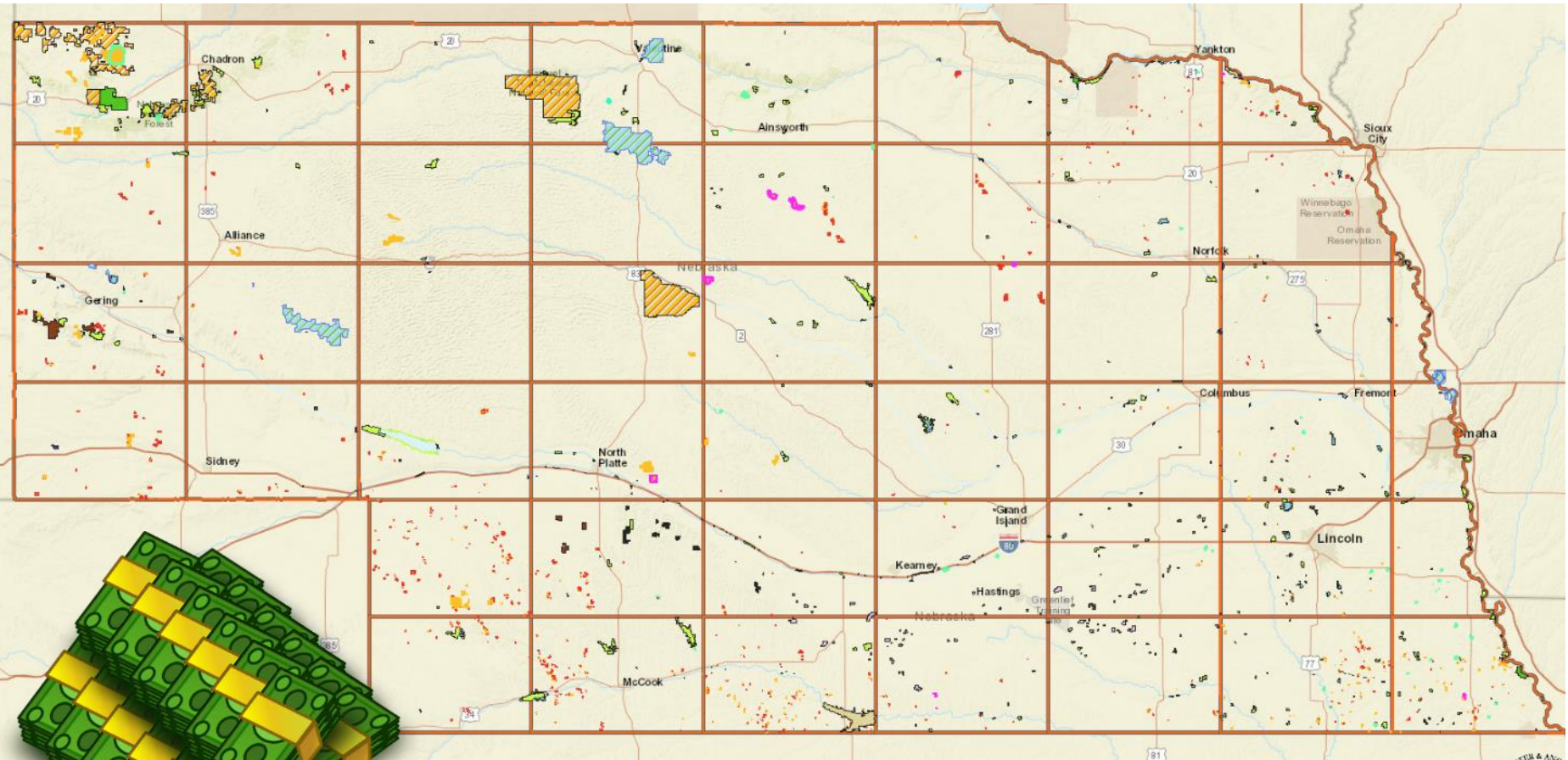


\$2/Acre/Month



~ 30X less

Even when small and dispersed, public access has value



Thank You

