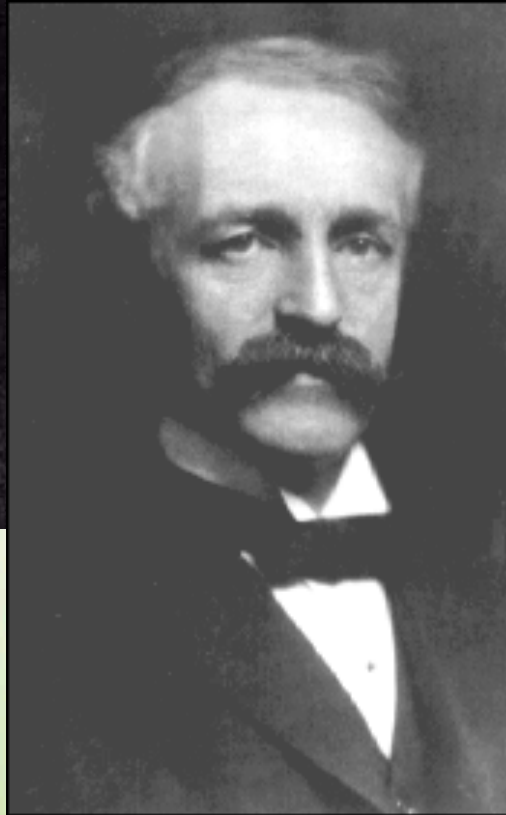
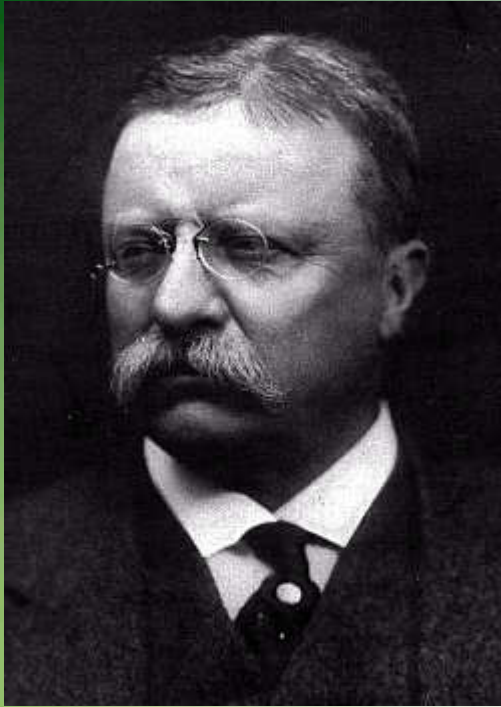


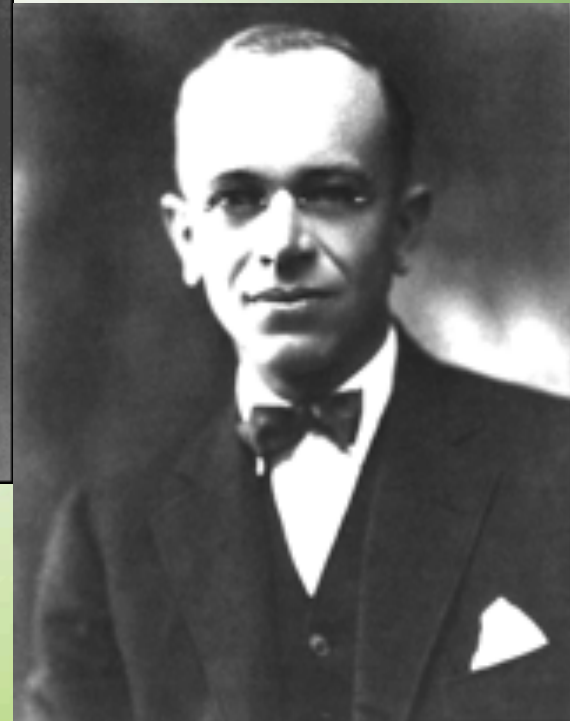
Human Thought and Behavior on Human- Wildlife Conflict Management

Michael J. Manfredi
Department of Human Dimensions of
Natural Resources

Wildlife Conservation in America



**Built on European
tradition...**



...with foundations in biology

WARNER COLLEGE OF
Natural Resources



By mid-twentieth century, wildlife managers were saying...

**“Wildlife Management is
10% Biology and 90%
Managing People”**



**Dr. John Hendee First
Introduced Human
Dimensions of Wildlife in
the Early 1970s as an Area
of Scientific Study**

The focus of HDW has been.....

- Describing users, their values and how they want fish and wildlife managed.
- How that can be used by decision-makers.

Human – Wildlife Conflict

Global and Local



Photo of child killed by leopard
Wildlife Matters Trust



AFP: Diptendu Dutta



Mob attacks and kills leopard
The Big Cat Blog

Growing Global Problem, Particularly
With Population Growth In Developing
Countries





Mountain Lion Spotted In Fort Collins Likely Wandered Back Into Wilderness

May 12, 2011 4:18 PM

Share this [Like](#) 11 [Tweet](#) 2 [+1](#) 0 [Share](#) 1 [1 comment](#)



FORT COLLINS, Colo. (CBS4)- The Department of Wildlife believes a mountain lion spotted in Fort Collins Thursday morning has wandered back into the high country.

Someone called 911 to report the lion near Putnam Elementary. Officers searched the area surrounding 1400 Maple Street, but didn't find the mountain lion.



But also in my home.



All Human-Wildlife Conflict
is Human-Human Value
Conflict.

.....and your home!

Bruno liest ...

sauter...



5,90
90

Information und Kontakte

www.sauter.de



5. OKTOBER 2006
3-D. ANZEIGEN 53 00-664
WISCH C 134 ...
NR. 225/40



le
dre
dem
Institut
tomie in M
Eingesalzen
eingefroren!

S. 13

Chaos
stelle! Was
ab Pasing ändert

Seite 3

Bogerhausen Bub (14)
prügelt Rektor aus

Öffnungszeiten:
stag
setzt bis

Why do people do what they do?



Values – Core ideas goals and principles of living.

Contrasting Values Are The Foundation For Human-Wildlife Conflict

*Teel, T. L., & Manfredo, M. J. (2010). Understanding the Diversity of Public Interests in Wildlife Conservation. **Conservation Biology**, 24(1), 128-139.*

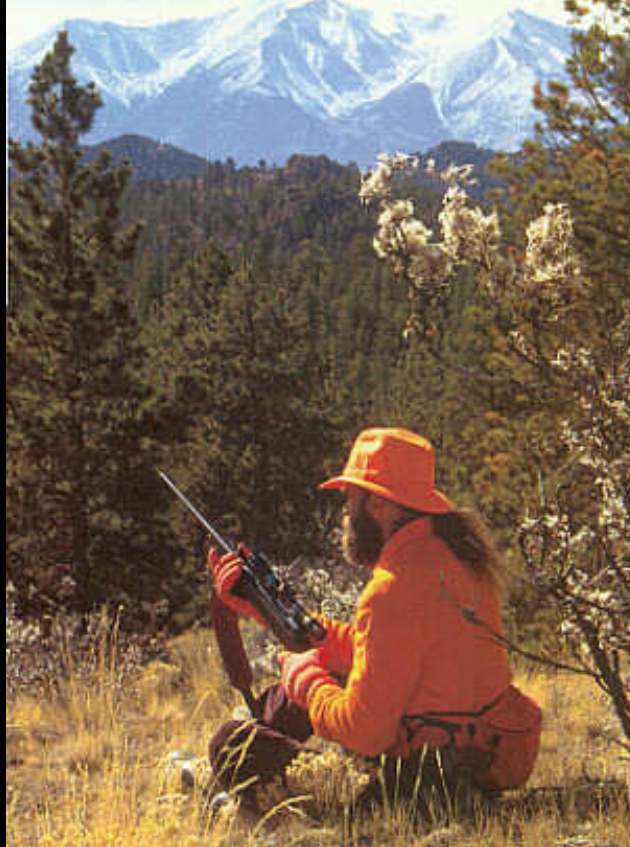
*Manfredo, M. J., & Teel, T. L. (2009). Linking Society and Environment: A Multi-Level Model of Shifting Wildlife Value Orientations in the Western U.S. **Social Science Quarterly**, 90(2), 407-427.*

Utilitarian (Domination)

Ideal World

**Wildlife exists
for human use
& enjoyment**

**Abundance of
wildlife for
hunting &
fishing**



Principles

**Manage
wildlife so that
humans
benefit**

**Needs of
humans take
priority over
wildlife**

Mutualism

Ideal World

Humans and wildlife live side by side without fear

All living things are part of one big family

Emotional bonding and companionship

No animal suffering



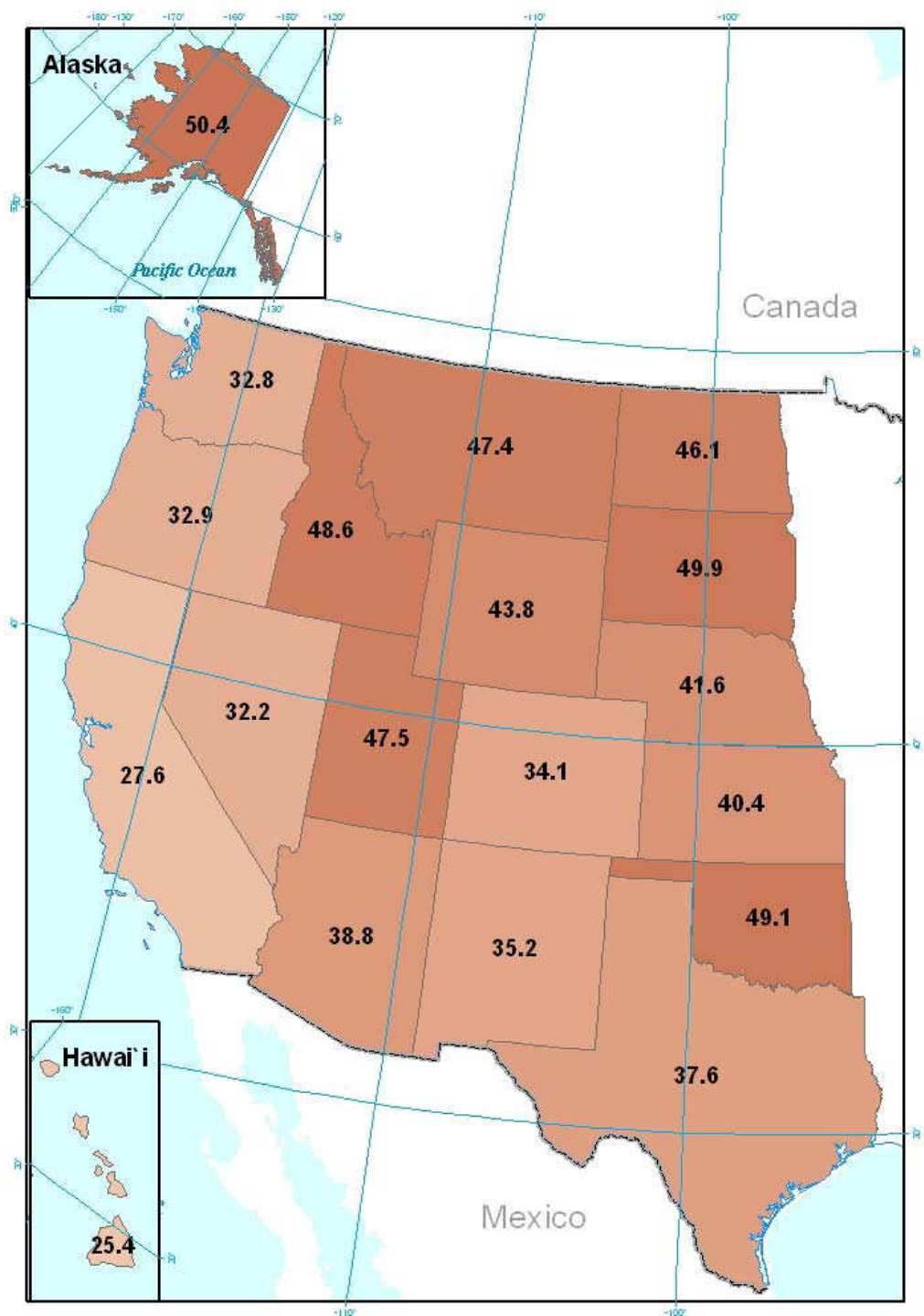
Principles

Animals should have rights like humans

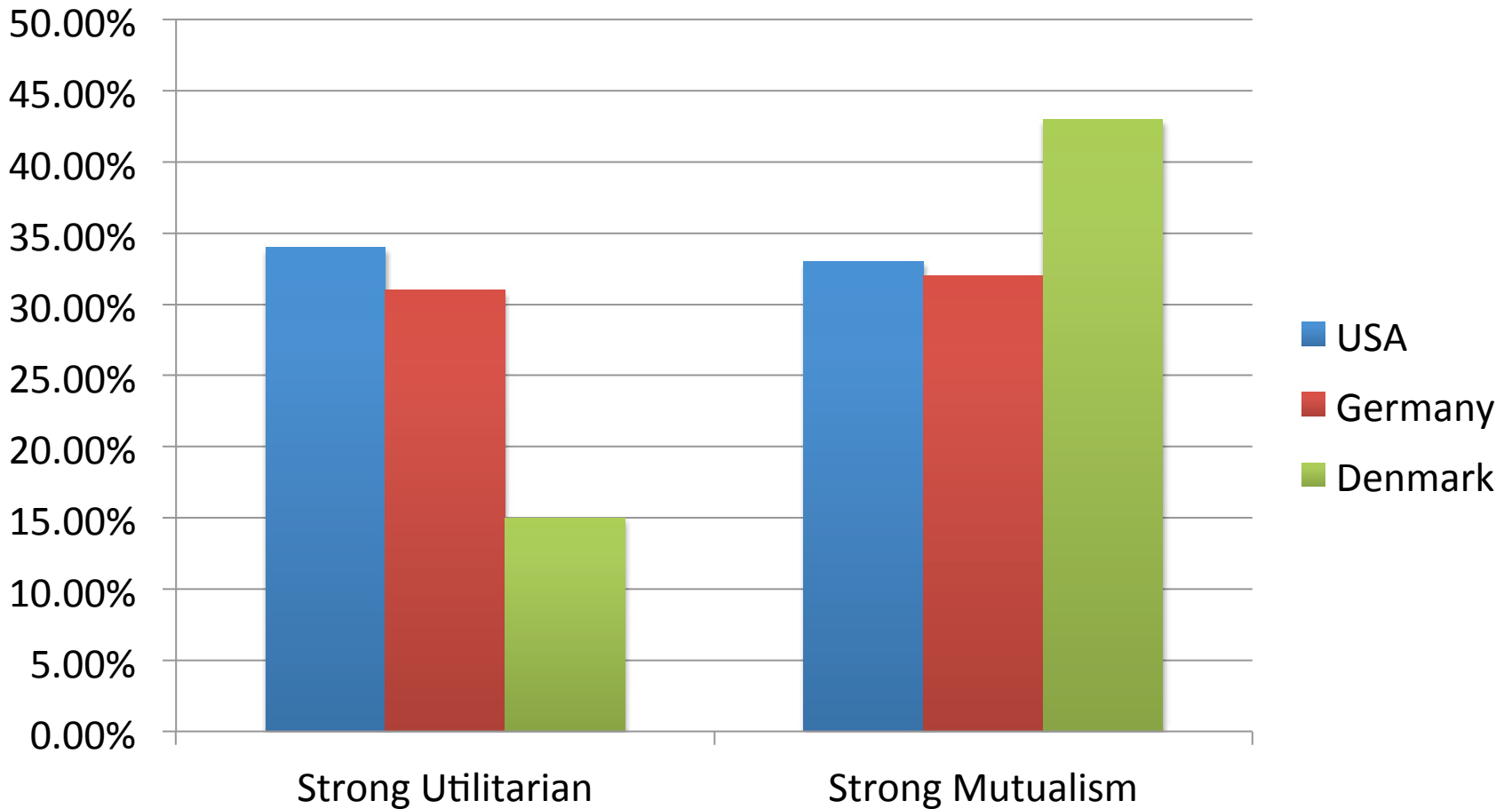
Take care of wildlife

Prevent cruelty to animals

Distribution of Utilitarians in the Western United States



WILDLIFE VALUE ORIENTATIONS FOR USA, GERMANY, DENMARK



German Data Courtesy R. Arlinghaus and C. Riepe,
Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin
Denmark Data, Courtesy Dr. Frank Jensen, University of Copenhagen

And God said,...let man
have dominion over
all the earth and every thing
upon the earth

**Where do utilitarian
(domination) wildlife
values come from?**

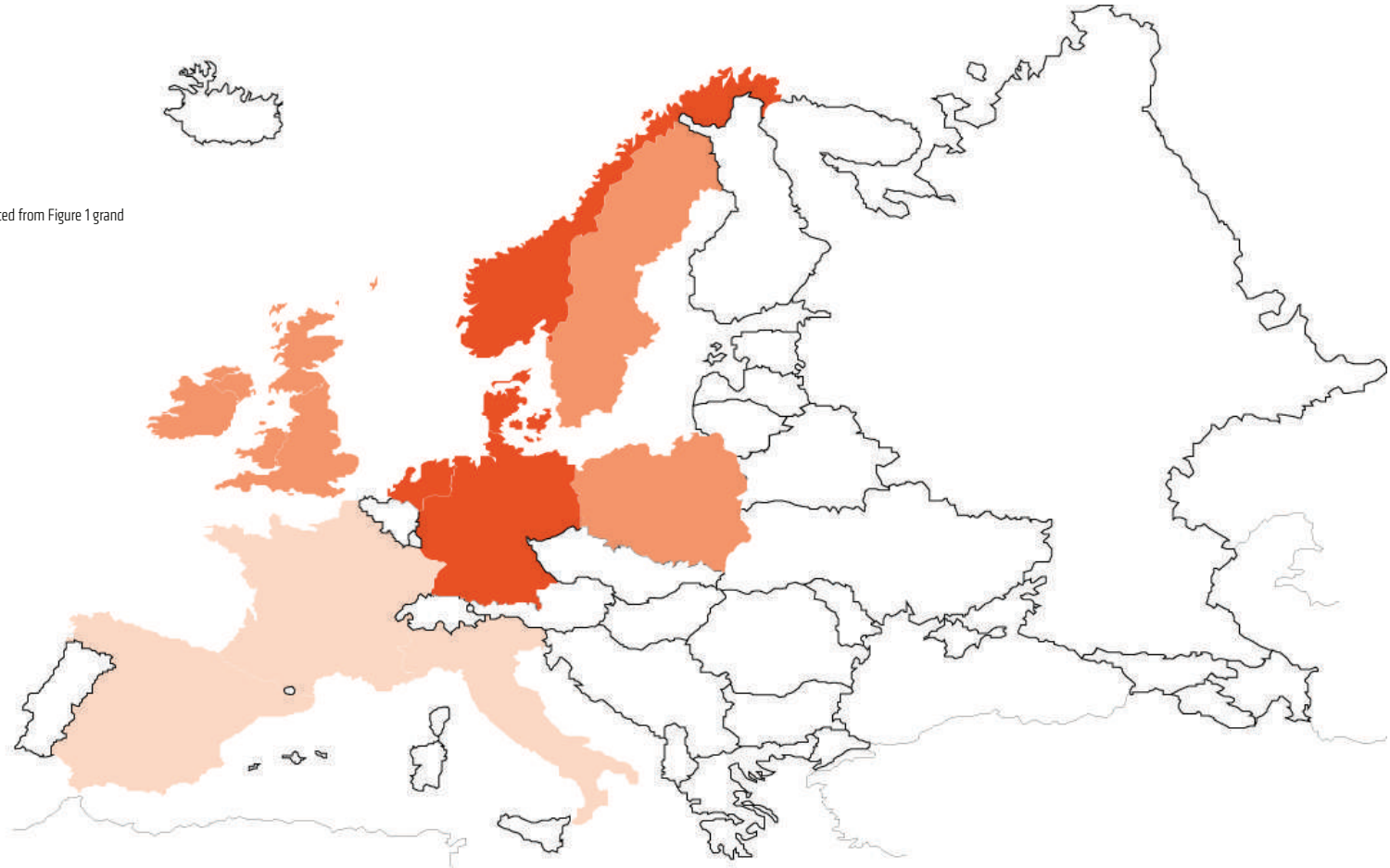


Americans With Ancestors From Countries With High Mastery Values Have High Wildlife Domination Values (Associated With the Reformation)

Key:

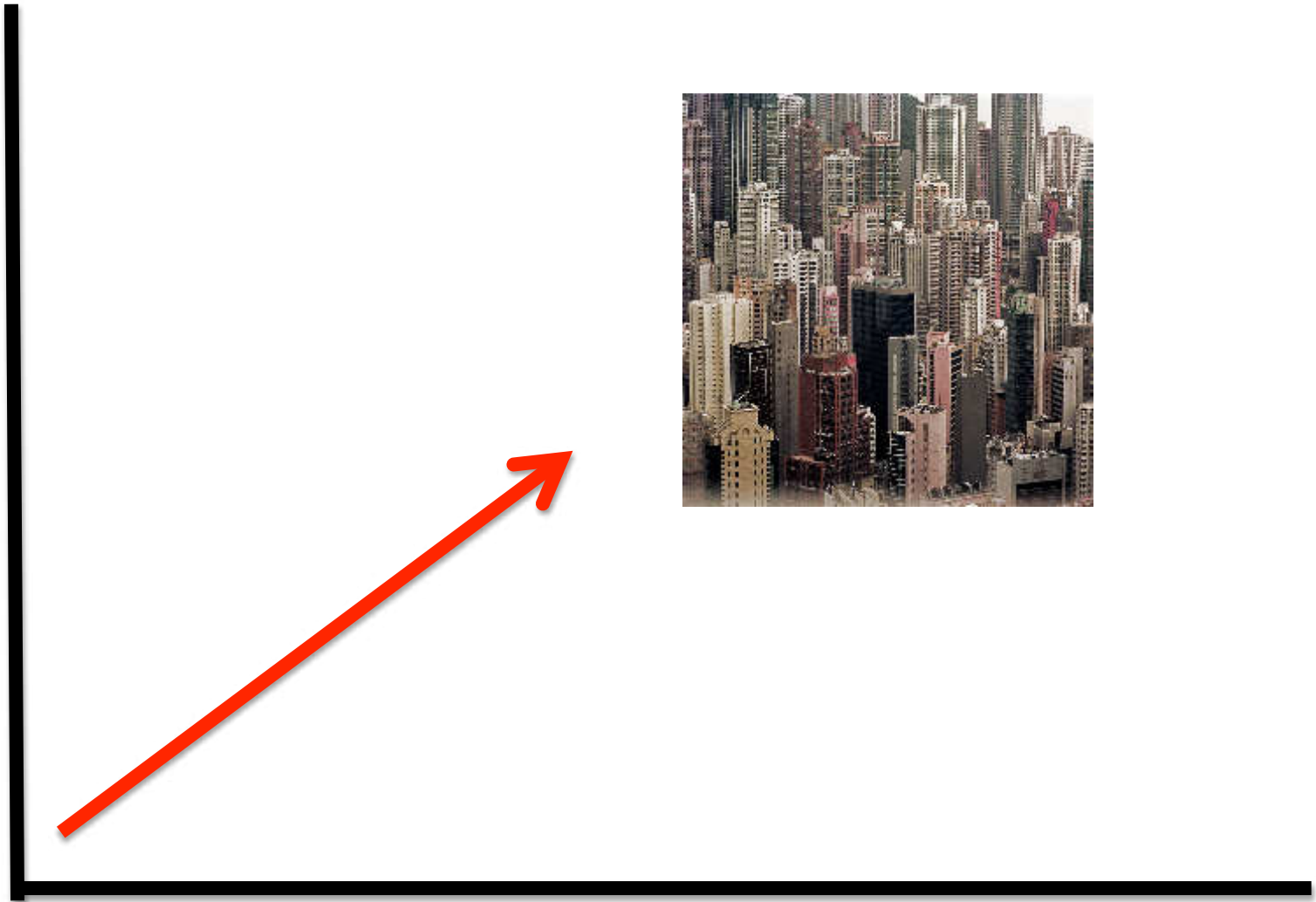
- High
- Moderate
- Low
- No Data

Hues computed from Figure 1 grand means.



Michael J Manfredo, Tara L Teel, Alia M Dietsch. In Press Implications of human value shift and persistence for biodiversity conservation. **Conservation Biology**.

Mutualism Where mutualism values come from?... A modern life style

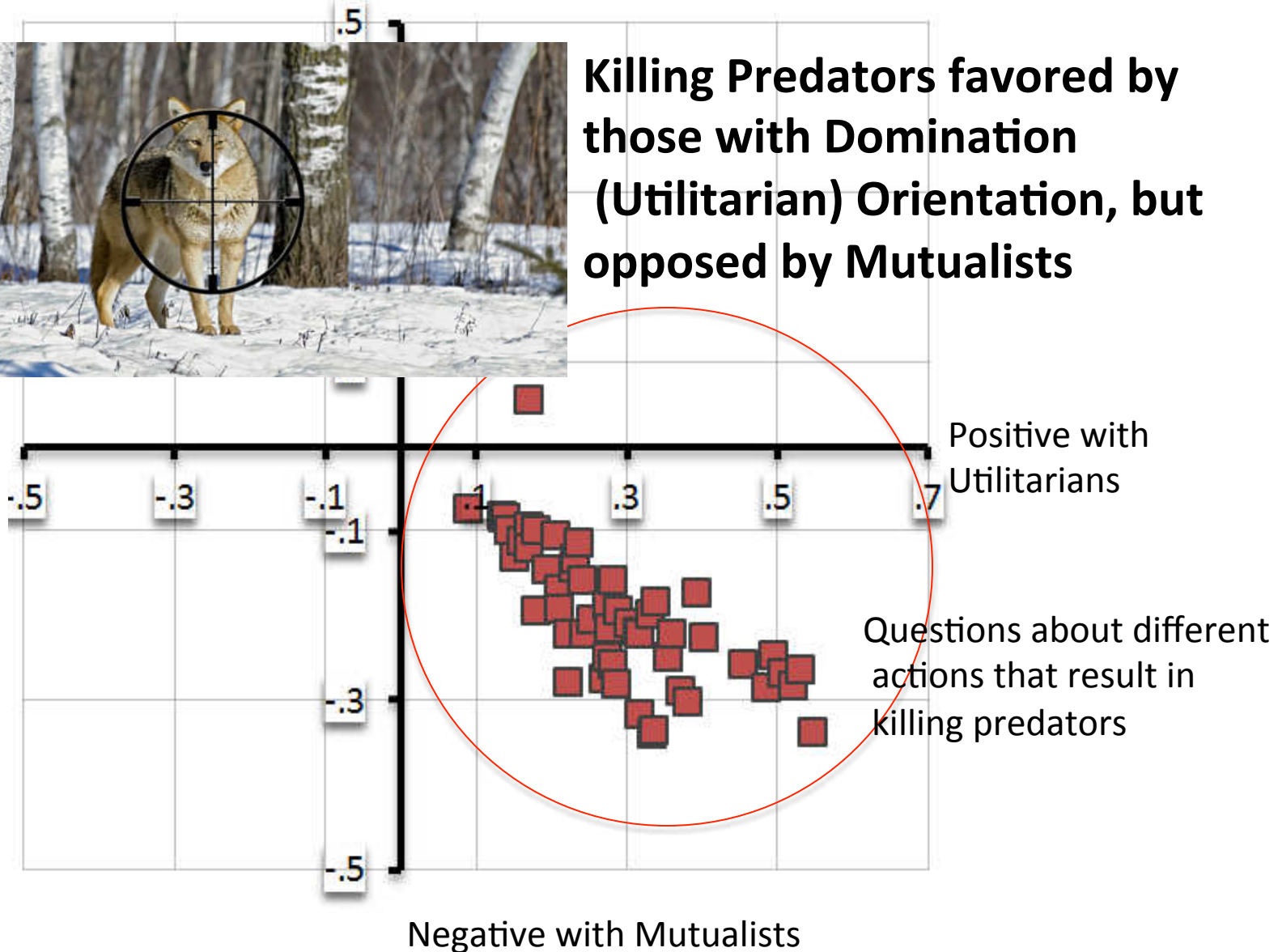


Modern Life Style

Why Values Are So Important: Acceptability of Management Actions in the Western U.S. that Result in Death of Predators



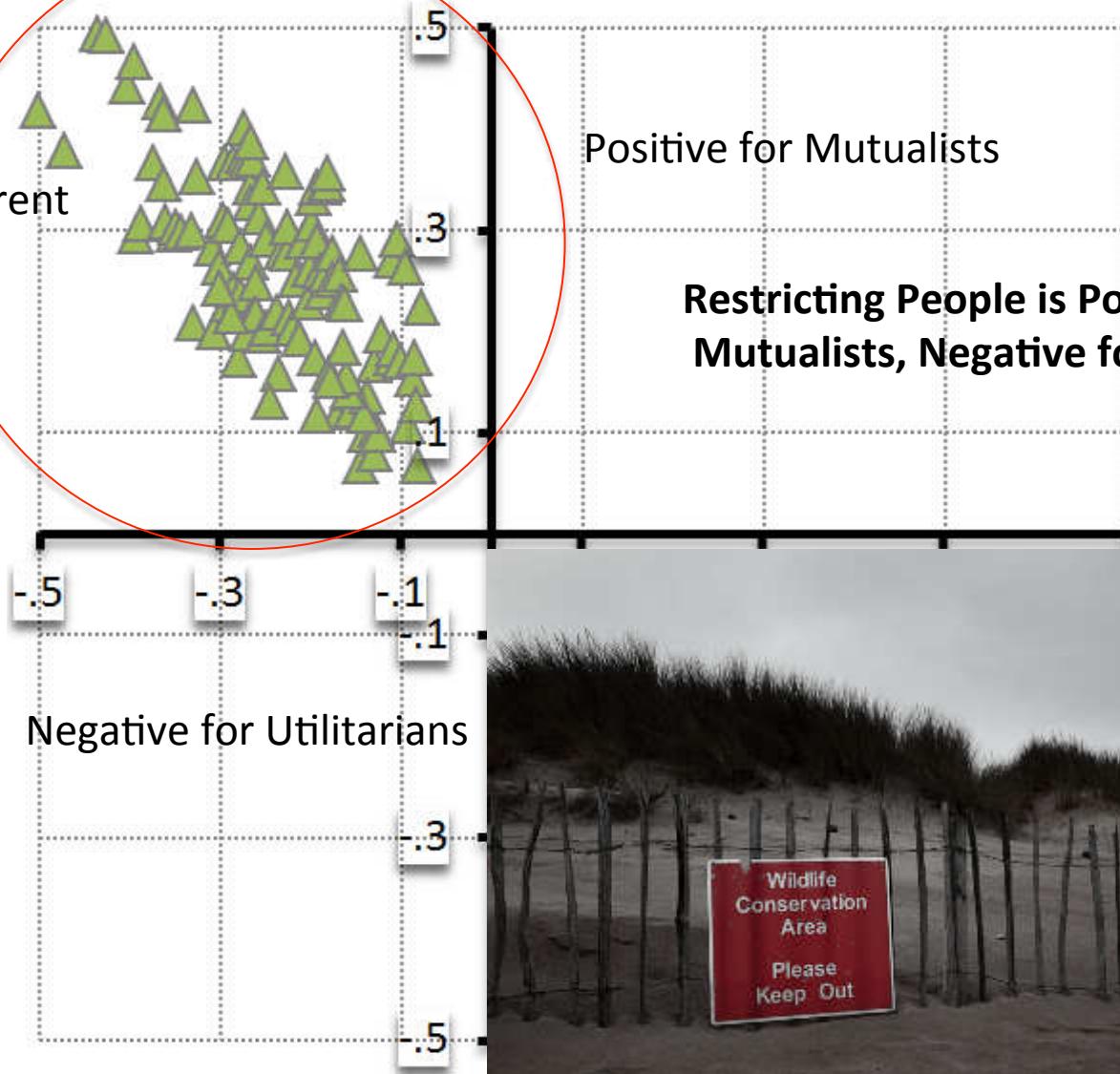
Killing Predators favored by those with Domination (Utilitarian) Orientation, but opposed by Mutualists



Acceptability of Management Action Items

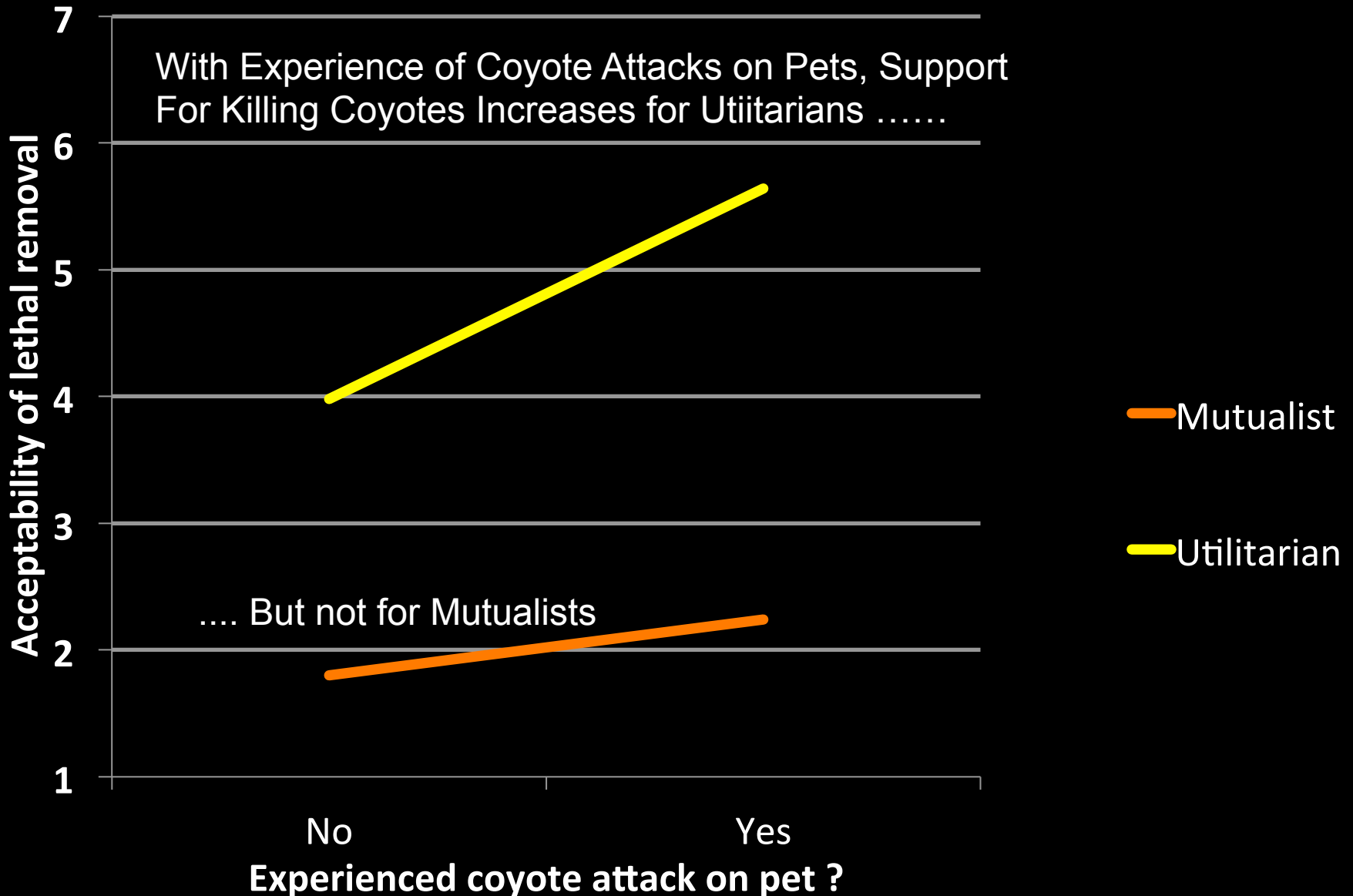
Restrict Humans So Wildlife Benefit

Questions about different actions that result in restricting humans for wildlife

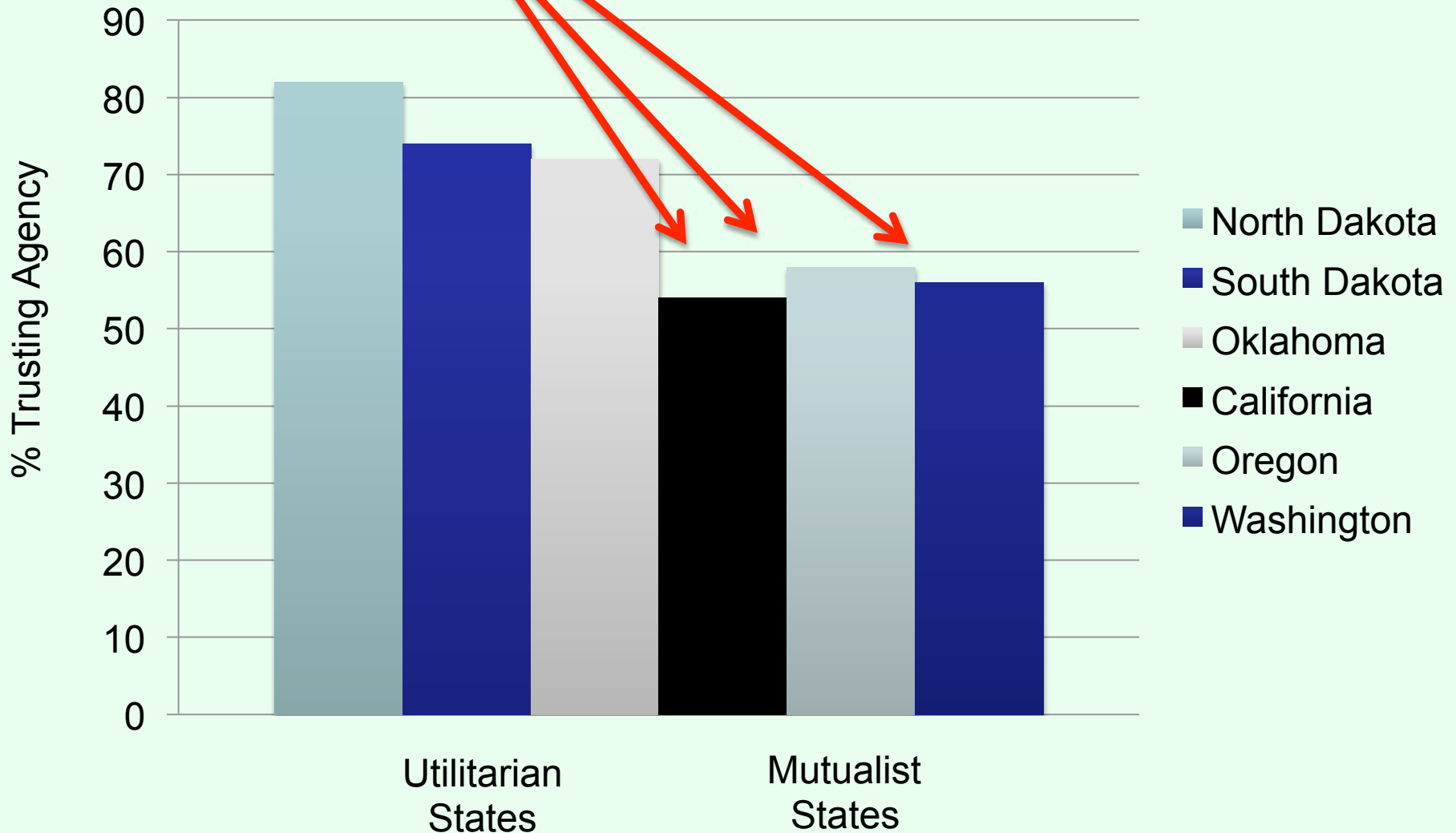


Support for lethal removal of coyotes by Wildlife Value Orientation Type and pet attack experience in Metropolitan Denver, Colorado USA

(Don Carlos & Teel, 2015 unpublished data)



In States With The Highest Percent of Mutualists, Agency Trust is Lowest



The Value Context of Managing Wolves in the State of Washington,

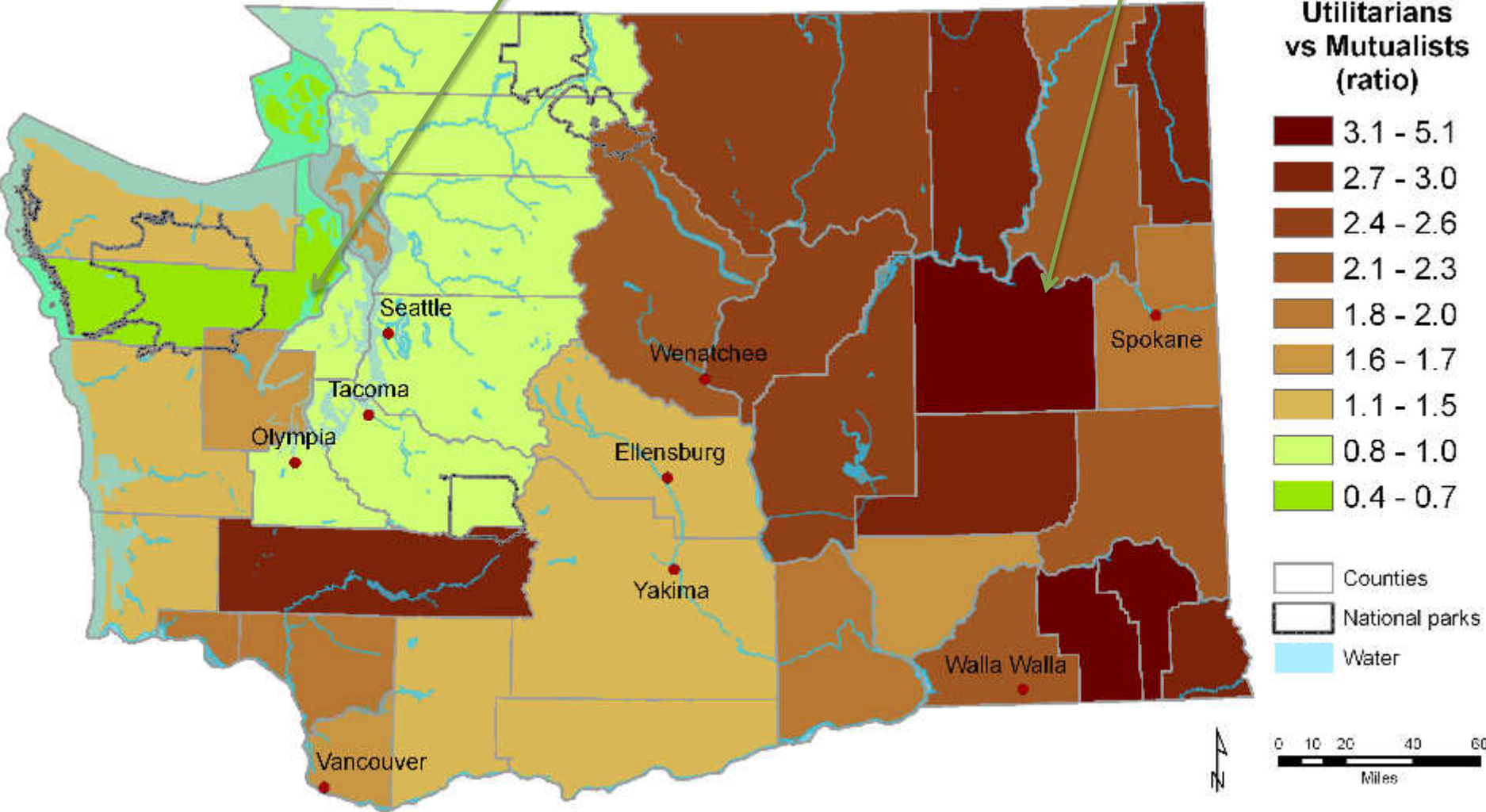


Diamond Pack, 2014

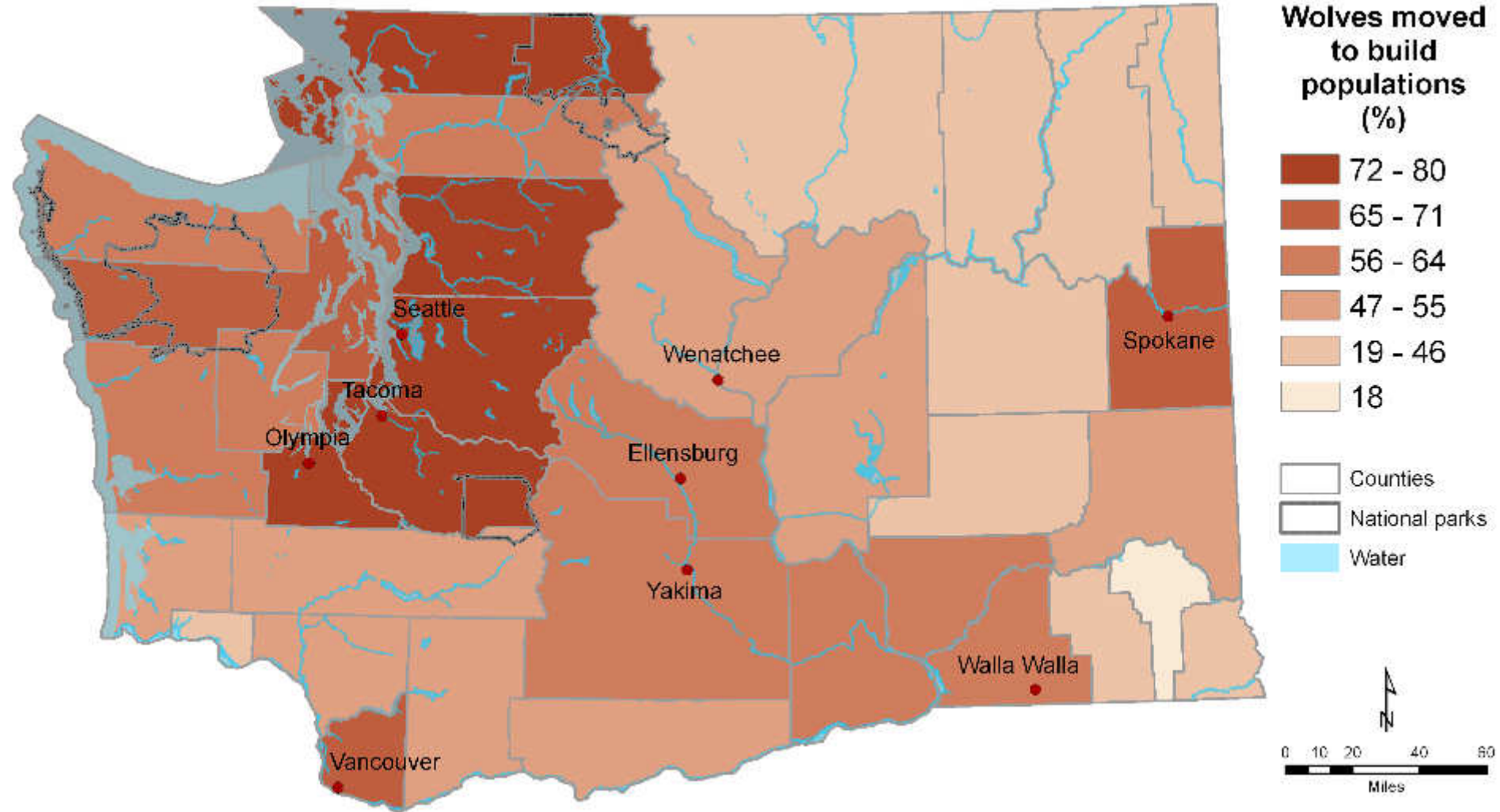


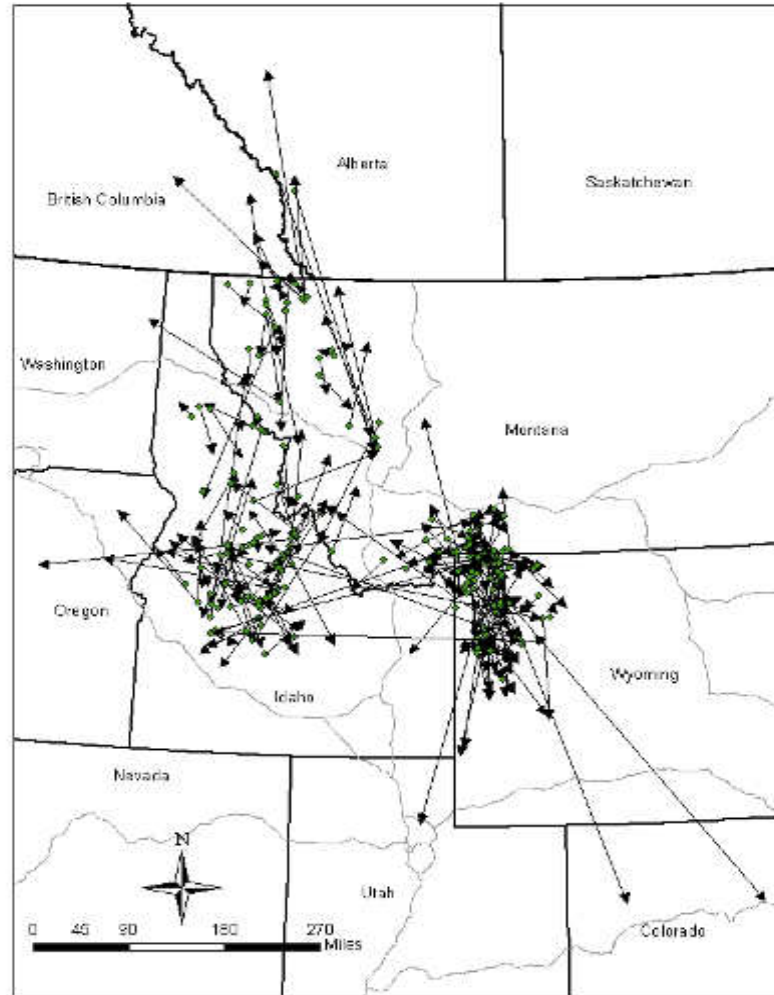
Utilitarians Outnumber Mutualists

Mutualists Outnumber Utilitarians

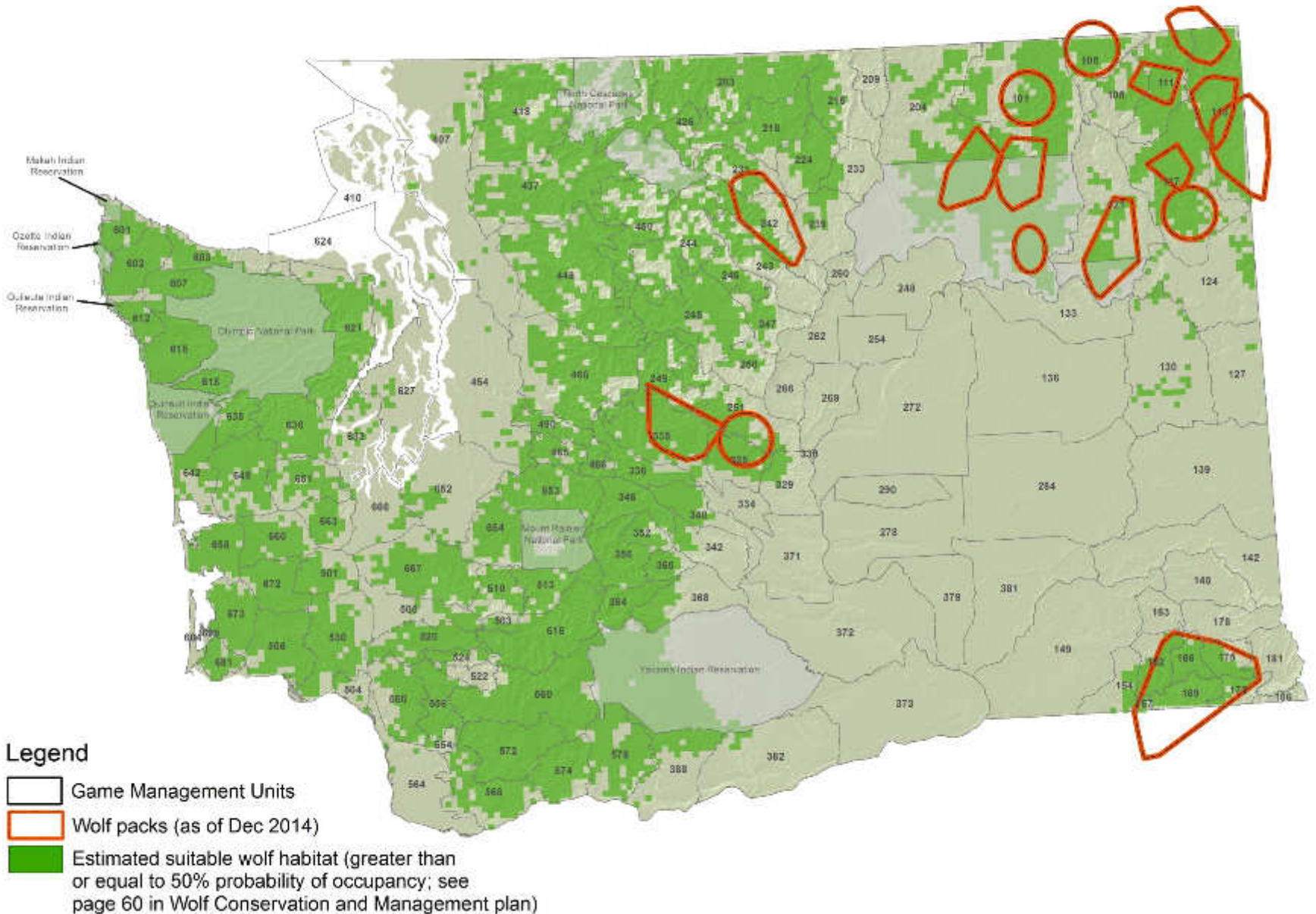


Percent accepting of moving wolves to establish new populations





Washington Wolf Packs Relative to Estimated Suitable Wolf Habitat



The Eastern Washington Echo Chamber



Washington
Residents
Against Wolves



*SPOKANE
COUNTY
CATTLEMEN*



**Stevens County
Commissioners**

**FERRY COUNTY
CATTLEMEN'S
ASSOCIATION**

WOLVES KILL SHEEP

Springdale, WA
14 Sheep Killed
In Attack

395

Spokane, WA

90

kxly 4

5:08 71°

#KXLY

DIGITAL GLOBE



How to Handle Deeply Seated Value Conflict

- Nobel Prize Winner, Elinor Ostrom
- Challenged the Effectiveness of Centralized Institutions in Governance of the Commons



Building A Resilient Approach To Management

Accepting diverse views, deeply seated
Developing a collaborative environment
Independent “objective” outsider
Allowing Voice
Building Trust
Striving Toward Consensus

Questions?

