HOW A SHIFT IN WILDLIFE VALUES CAN AFFECT WILDLIFE MANAGEMENT IN THE U.S.

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Multi-State Conservation Grant Through MAFWA and WAFWA





The many challenges of wildlife management in a changing society...













ISSUES ROOTED IN CULTURAL SHIFT

Reflected in Social Values









Values Are Motivational Goals That Direct Behavior
Values Are Formed Early in Life and Do Not Change in an Individual
Values Are Embedded in Everything Around Us
Values Adapt Us to Our Social and Environmental World

UNDERLYING QUESTIONS

- How do agencies adapt and remain relevant, in the face of societal change, to an increasingly diverse constituency?
- What are ways for them to more effectively engage new audiences while still being responsive to the needs of traditional stakeholders?
- How can they garner broad-based support to ensure sustainable funding exists in the future?

Conditions of Modernization

Changing Social Life

Changing Values & Behavior



















VALUE DIMENSIONS



DOMINATION

- Wildlife are subordinate
- Wildlife should be used in ways that benefit humans
- Using animals in research and hunting are two ways these benefits accrue
- Wildlife should be killed if they threaten safety or to protect property
- Vision where there are abundant populations of fish and wildlife for hunting and fishing

VALUE DIMENSIONS



- MUTUALISM Wildlife are seen as part of an extended social network of life
 - Wildlife are viewed as family or companions
 - Care for wildlife as they might for humans
 - Wildlife are deserving of rights like humans
 - Vision of humans and wildlife living side by side without fear

WILDLIFE VALUE "TYPES"

- Traditionalist Score High on Domination, Low on Mutualism
- Mutualist Score High on Mutualism, Low on Domination
- *Pluralist* Score High on both Domination and Mutualism
- Distanced Score Low on both Domination and Mutualism

DOMINATION

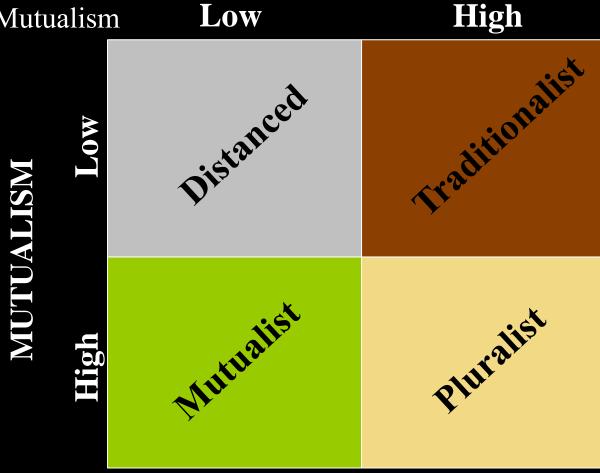
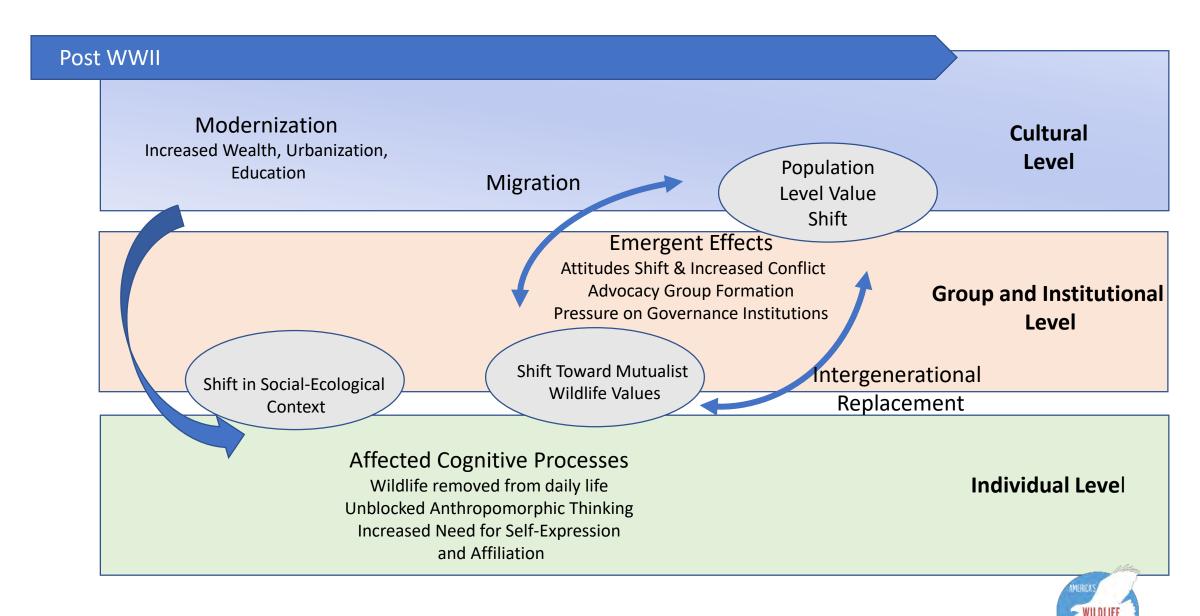


Figure 1. Cross-Level Model of The Effect of Social Change on Wildlife Management



SUMMARY OF STUDY METHODS

Data

- 2004 Wildlife Values in the West (19 states, n > 12,000)
- 2018 America's Wildlife Values (50 states)
- 2018 Agency Culture Survey (30 States)



2018 Survey Methods

- Two extensive pilot tests to compare and test phone, mail, and e-mail
- Public combined mail & e-mail panel (2 waves, one for boosting numbers overall, one targeting diverse populations; total n = 43,949)
- Agency e-mail administered to agency employees (n = 10,669)

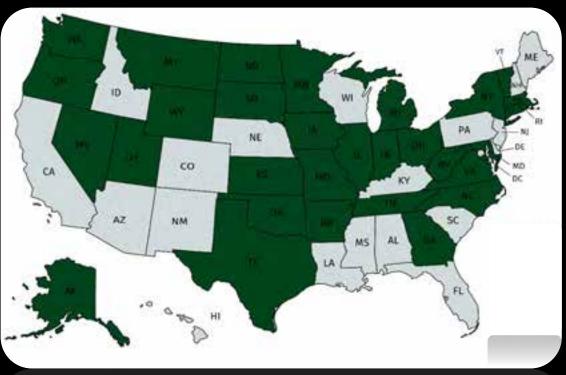


State Fish and Wildlife Agency Participation

Public Survey

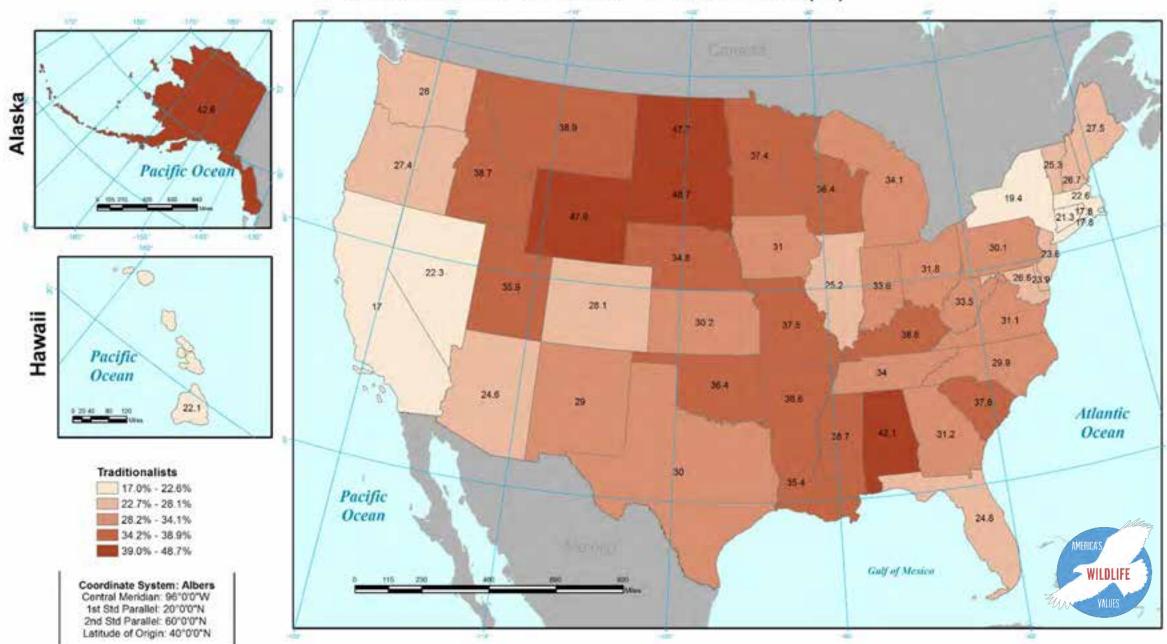
Agency Survey



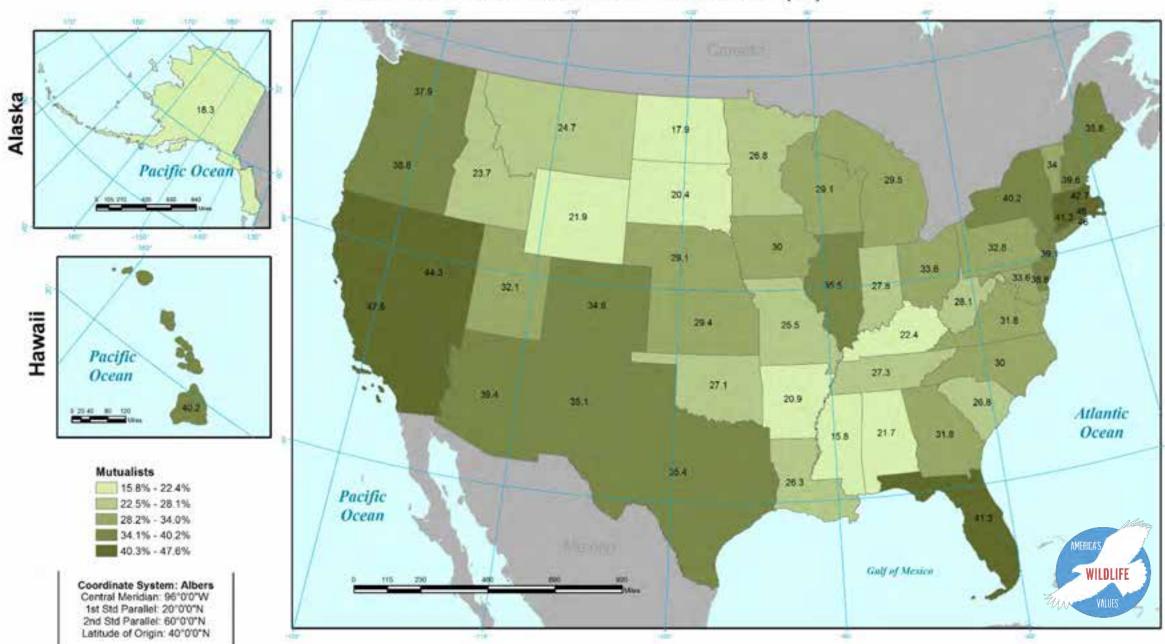


DISTRIBUTION OF WILDLIFE VALUE TYPES IN THE U.S.

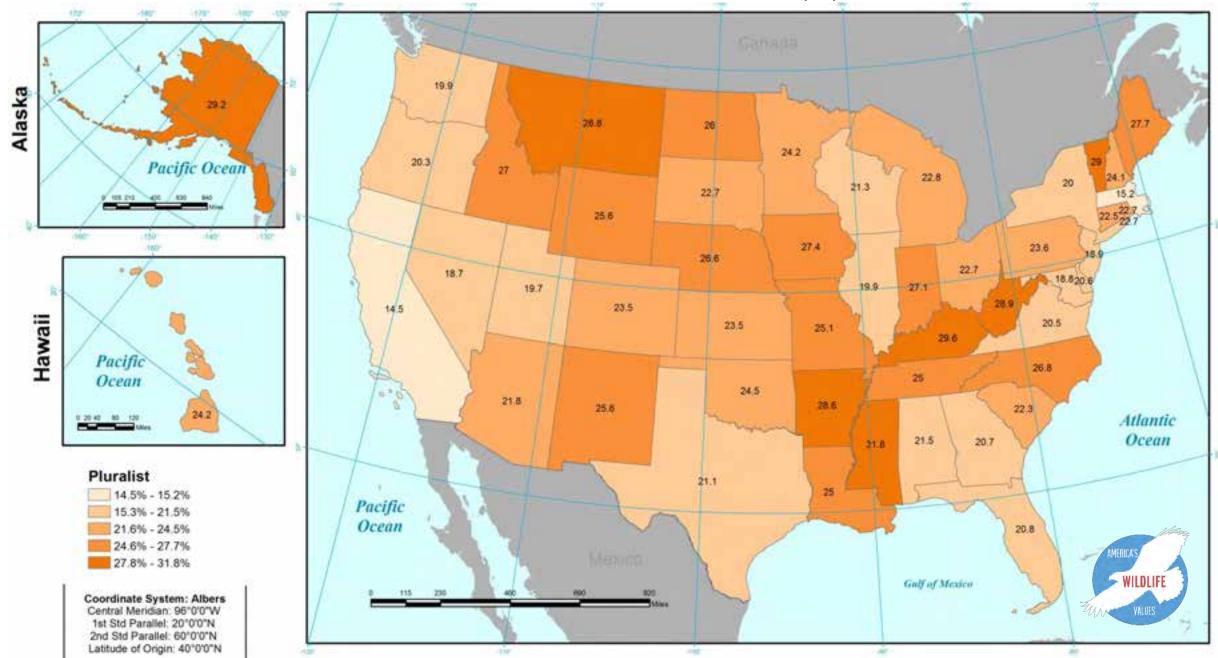
America's Wildlife Values - Traditionalists (%)



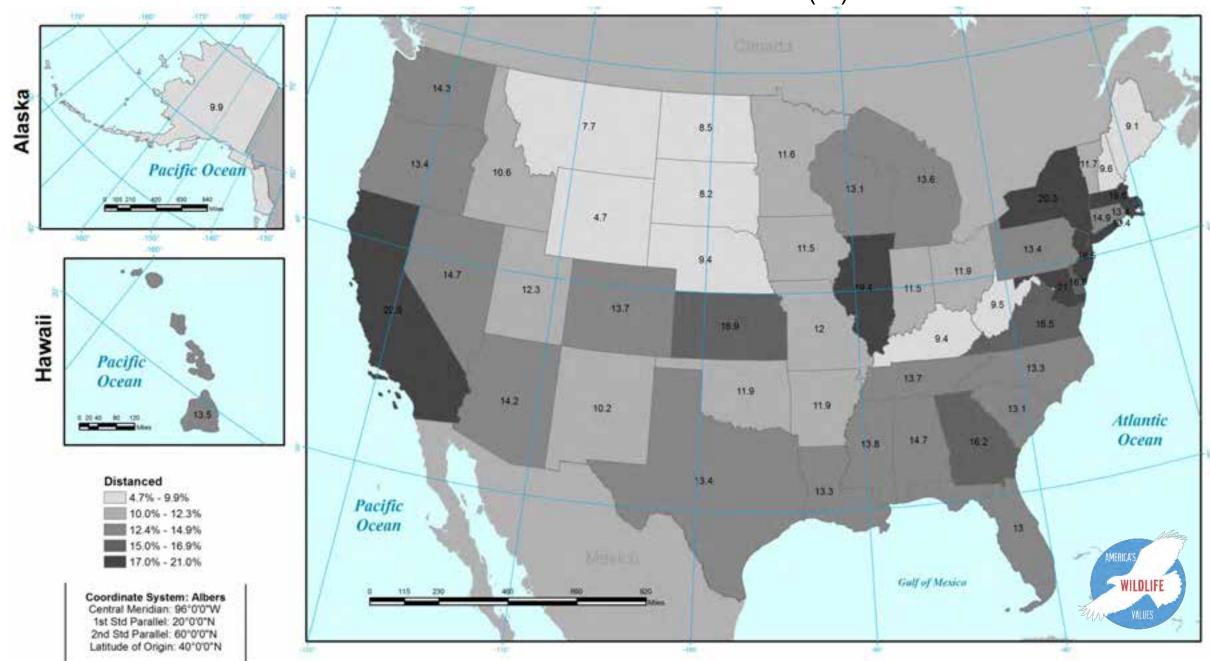
America's Wildlife Values - Mutualists (%)



America's Wildlife Values - Pluralists (%)



America's Wildlife Values - Distanced (%)



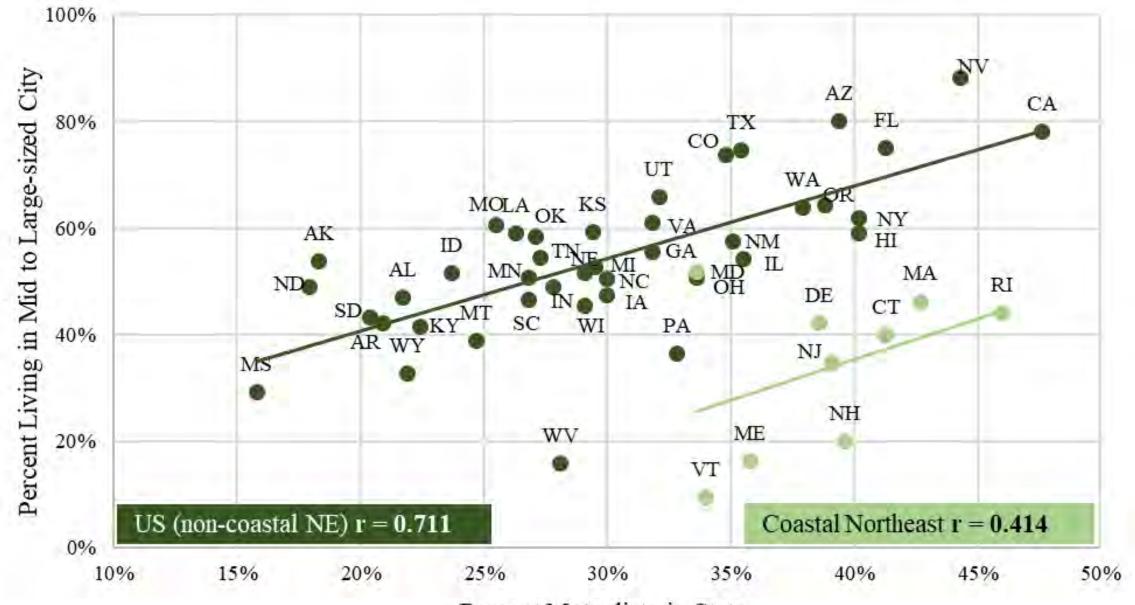
MODERNIZATION AND SHIFTING WILDLIFE VALUES

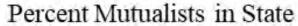
Percent Mutualists in state by percent with income above the national mode





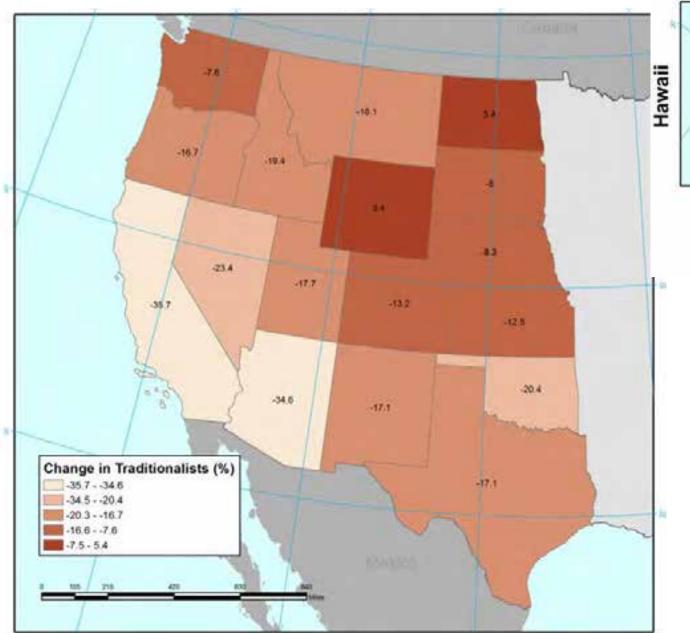
Percent Mutualists in state by percent residing in a mid to large-sized city



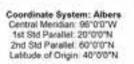


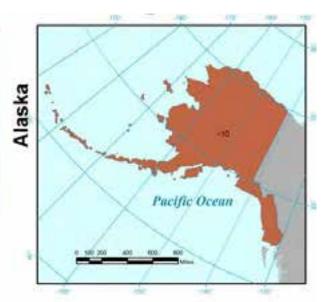


Rate of Change in Traditionalists in the West, 2004-2018



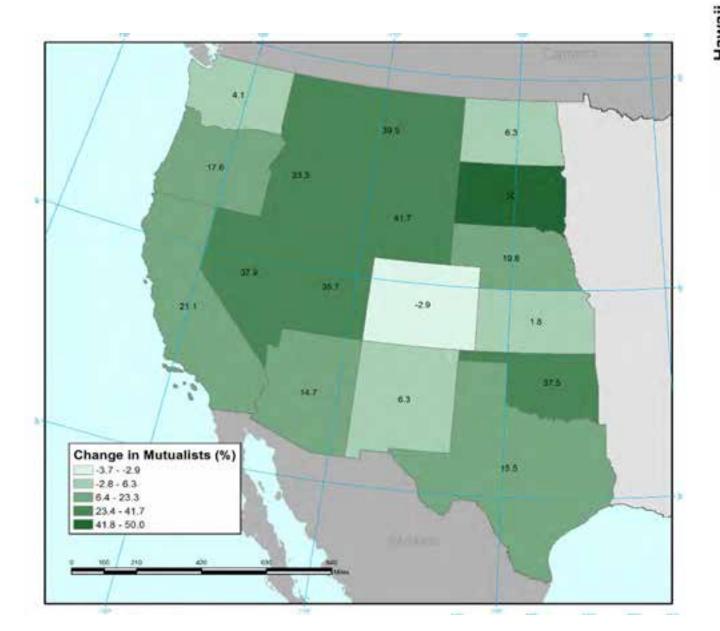


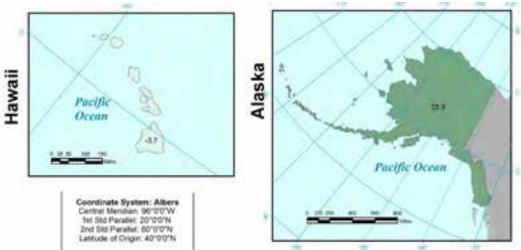






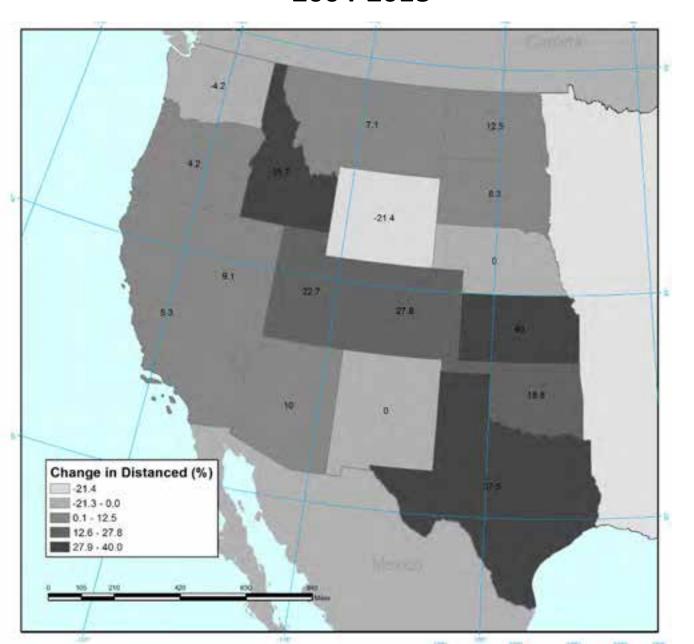
Rate of Change in Mutualists in the West, 2004-2018

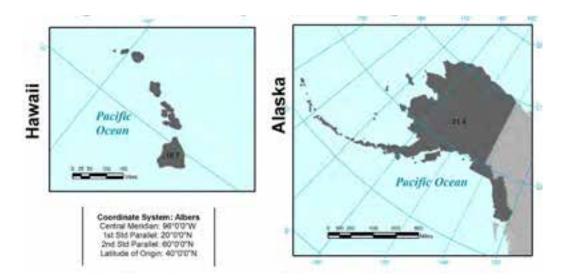






Rate of Change in Distanced in the West, 2004-2018

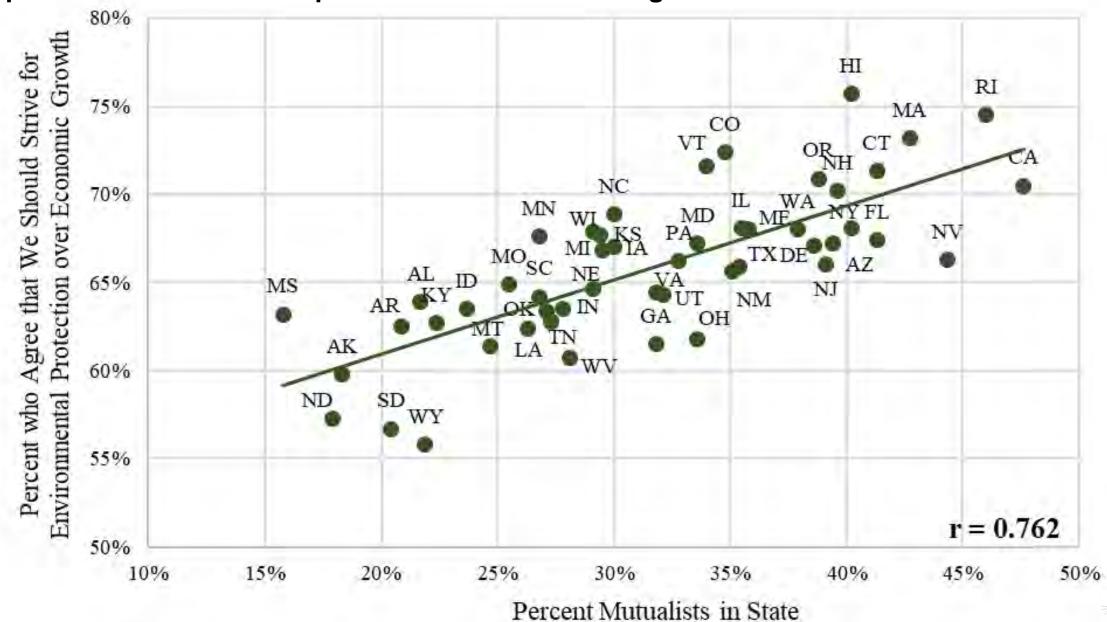




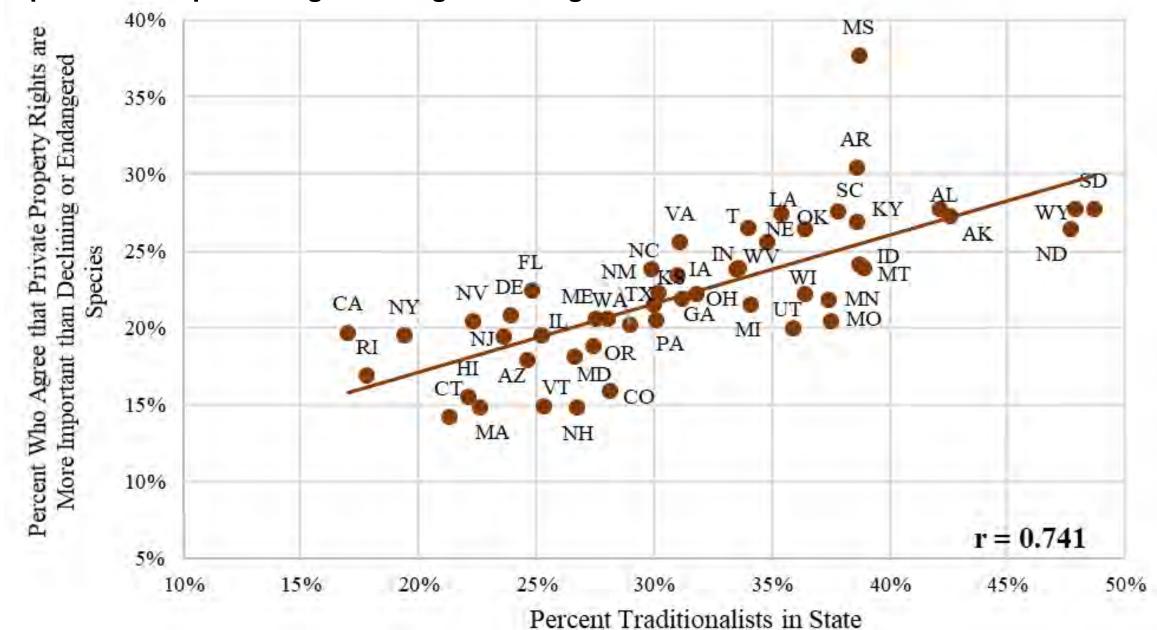


WILDLIFE VALUES RELATE TO AND AFFECT ATTITUDES AND BEHAVIORS

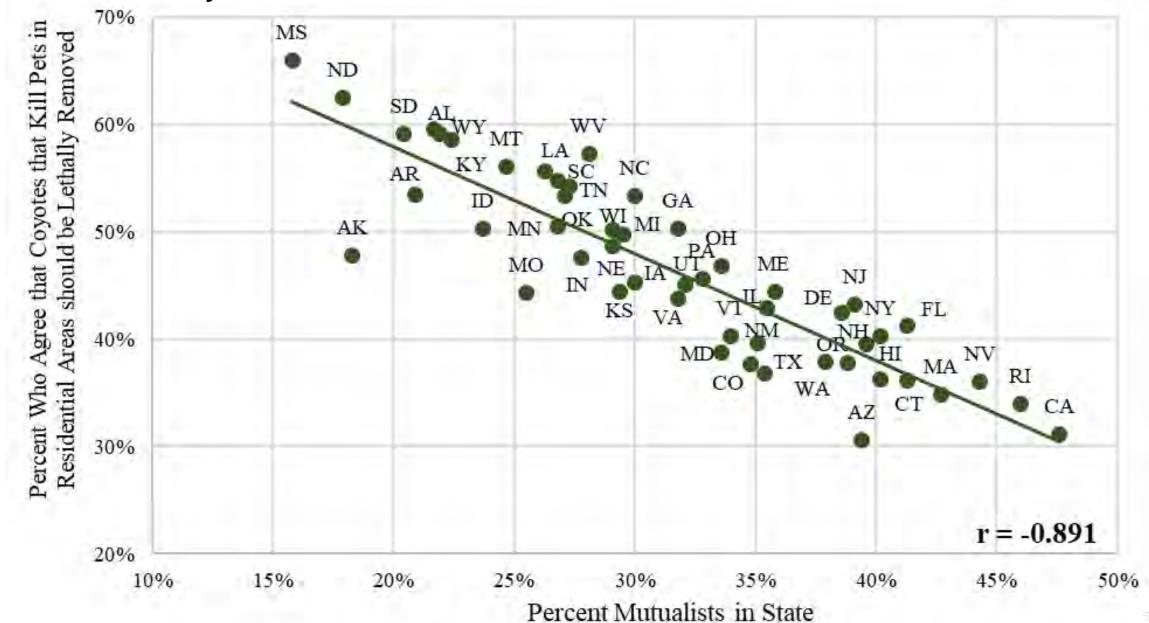
Percent Mutualists in state by percent who agree that we should strive for a society that emphasizes environmental protection over economic growth



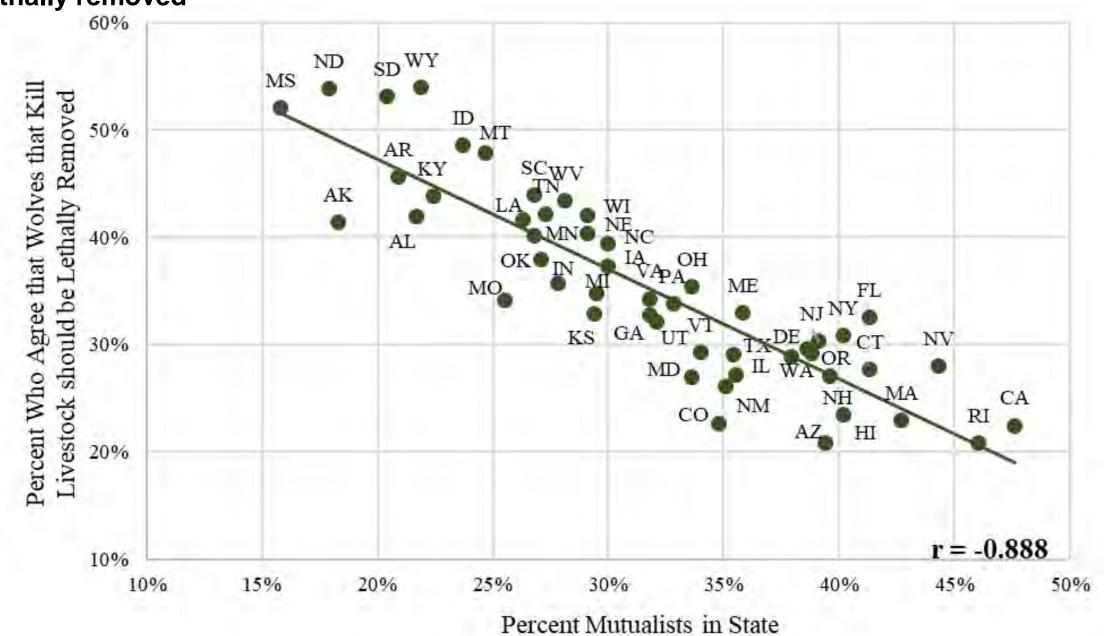
Percent Traditionalists in state by percent who agree that private property rights are more important than protecting declining or endangered fish and wildlife



Percent Mutualists in state by percent who agree that coyotes that kill pets in residential areas should be lethally removed



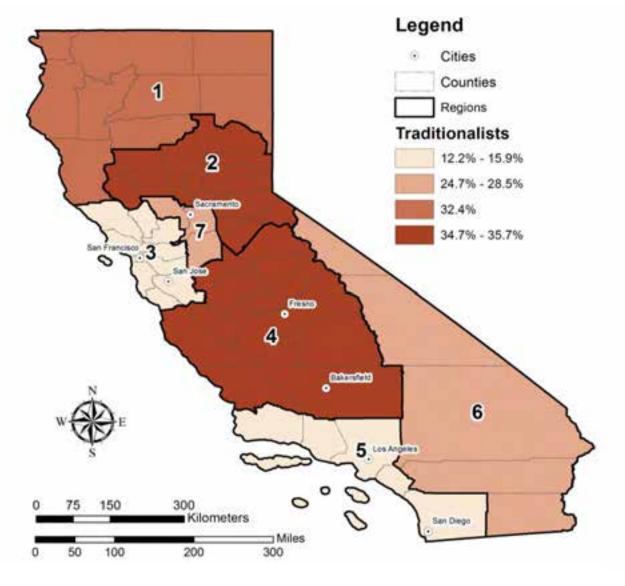
Percent Mutualists in state by percent who agree that wolves that kill livestock should be lethally removed



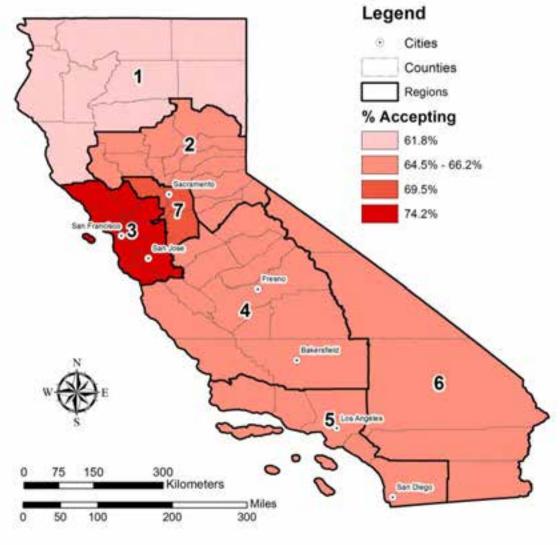


Carnivore Management: Wolves in California

Percent Traditionalists by Region



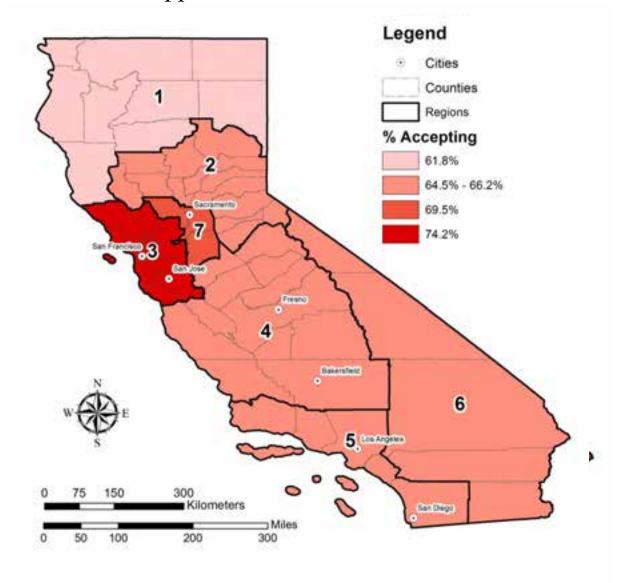
Percent Support for Wolf Recolonization



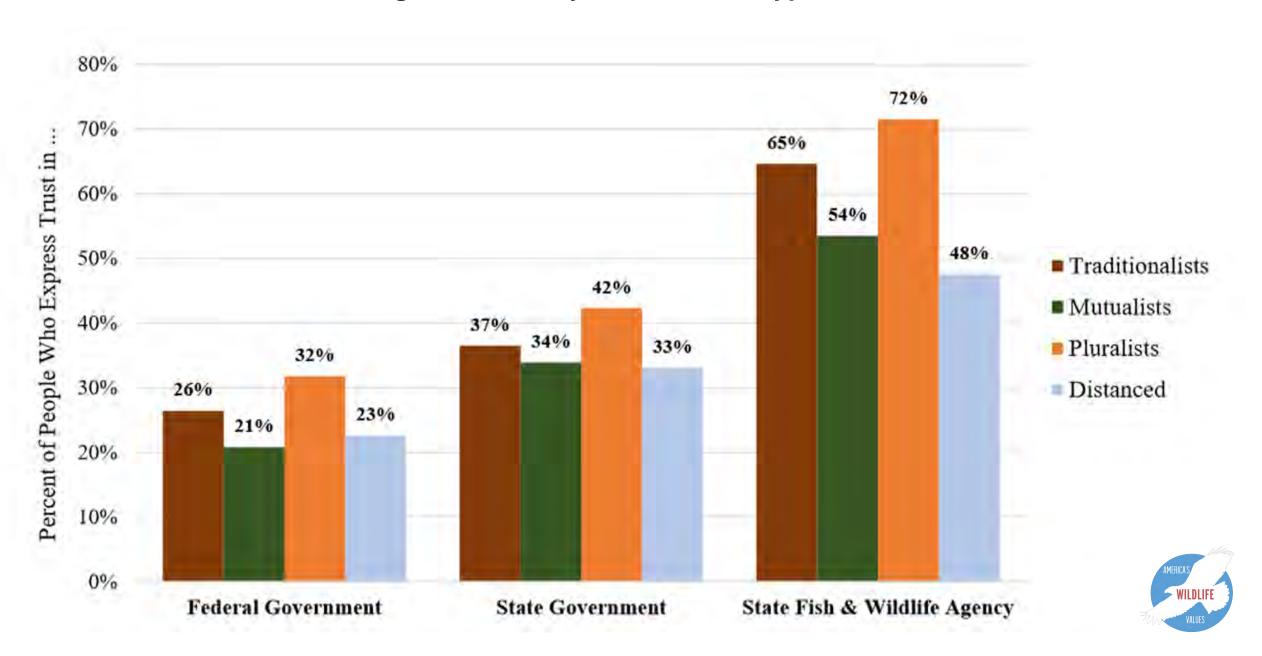
Wolf Habitat Suitability (CDFW, 2016)



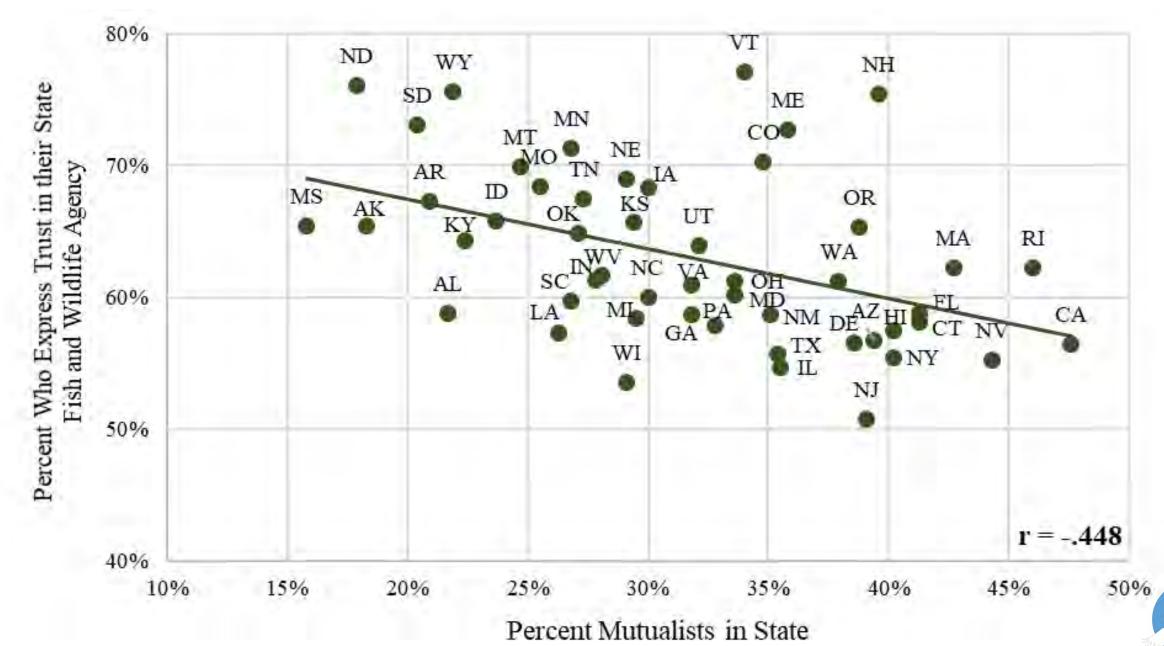
Percent Support for Wolf Recolonization



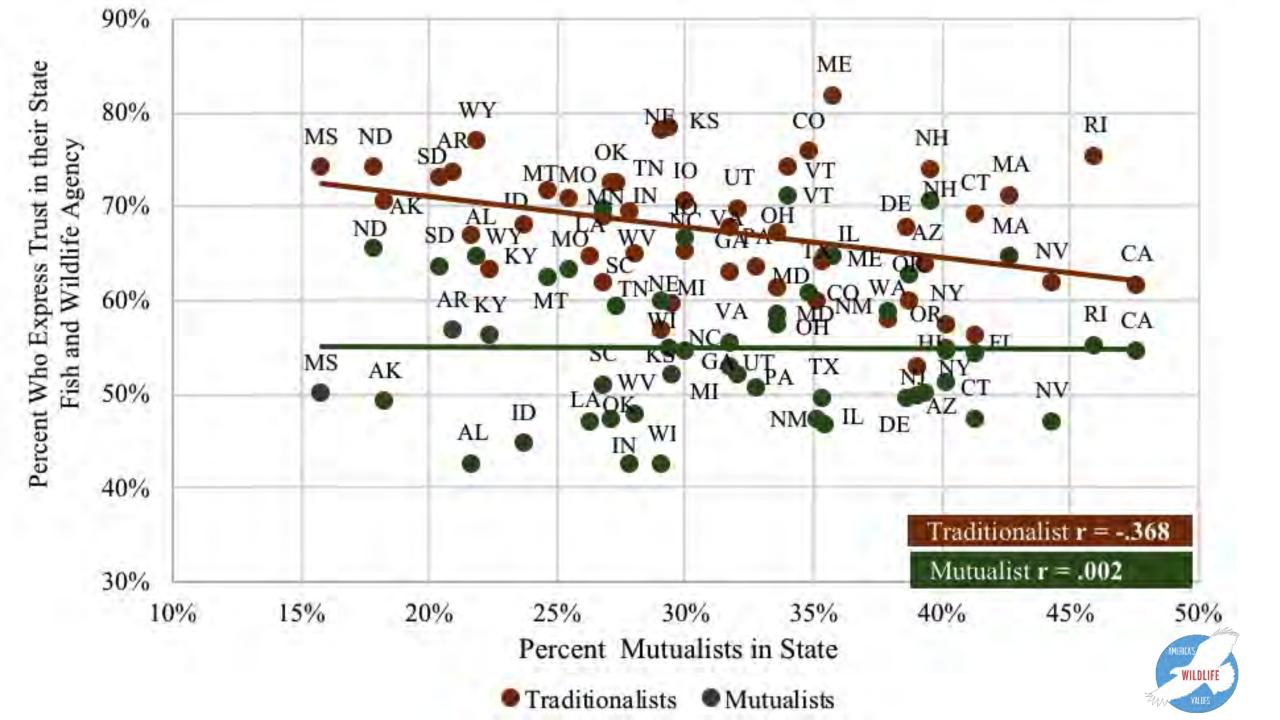
Trust in different levels of government by wildlife value type



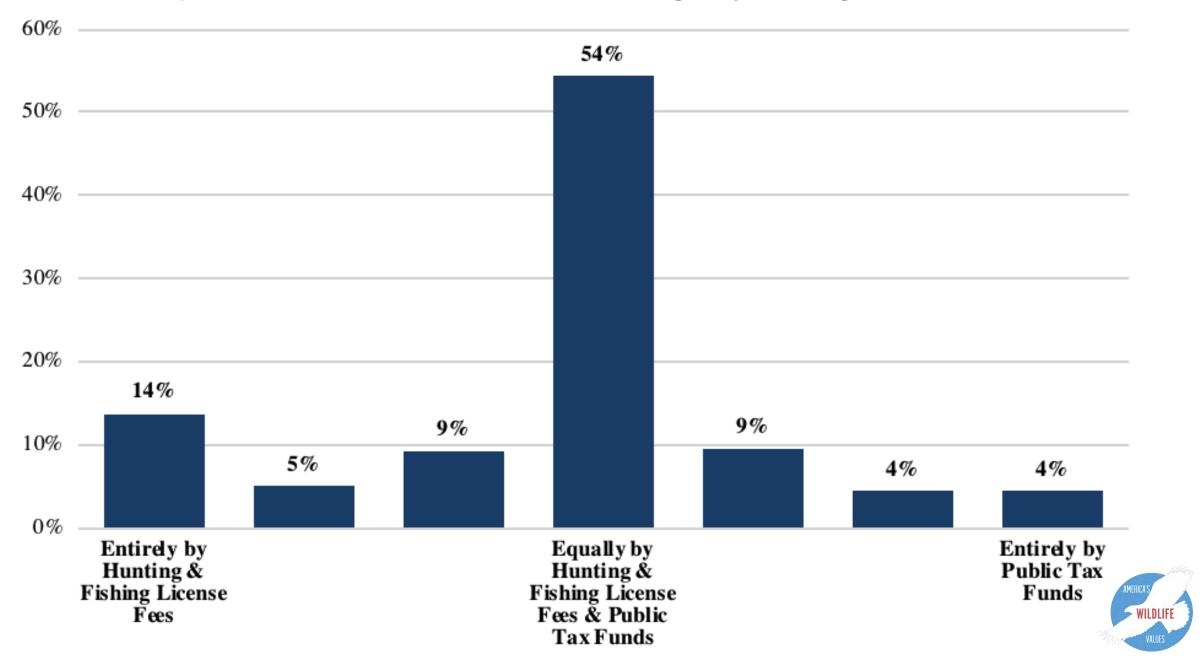
Percent Mutualists in state by percent who trust their state fish and wildlife agency



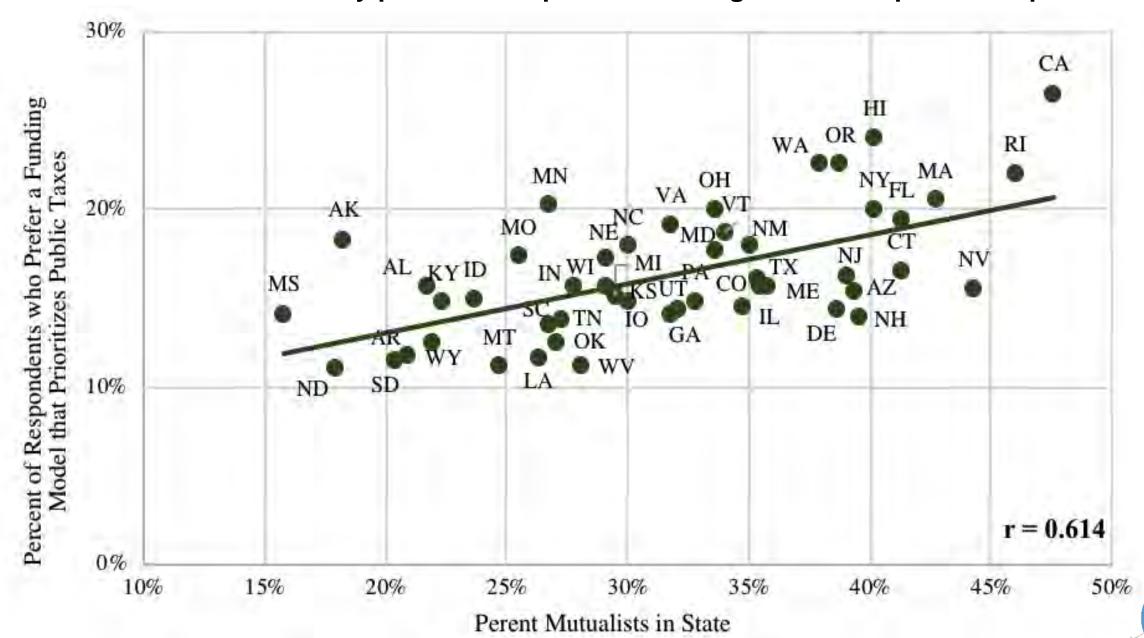
WILDLIFE



National preferences for state fish and wildlife agency funding

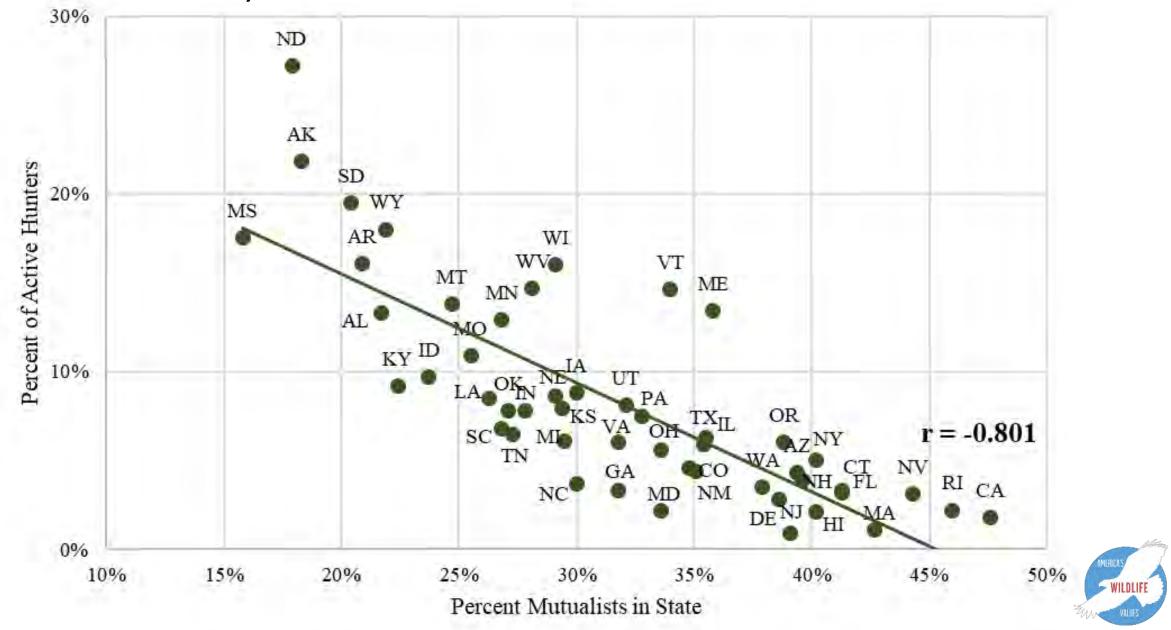


Percent Mutualists in state by percent who prefer a funding model that prioritizes public taxes



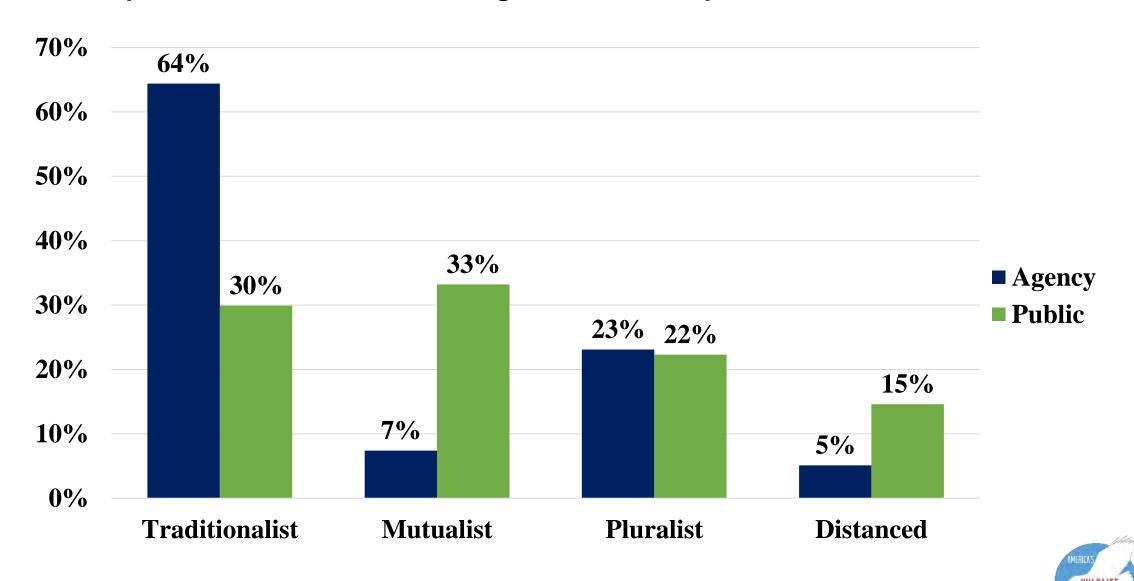
WILDLIFE

Percent Mutualists in state by percent of *active* hunters (those who had hunted in the past and in the last 12 months)

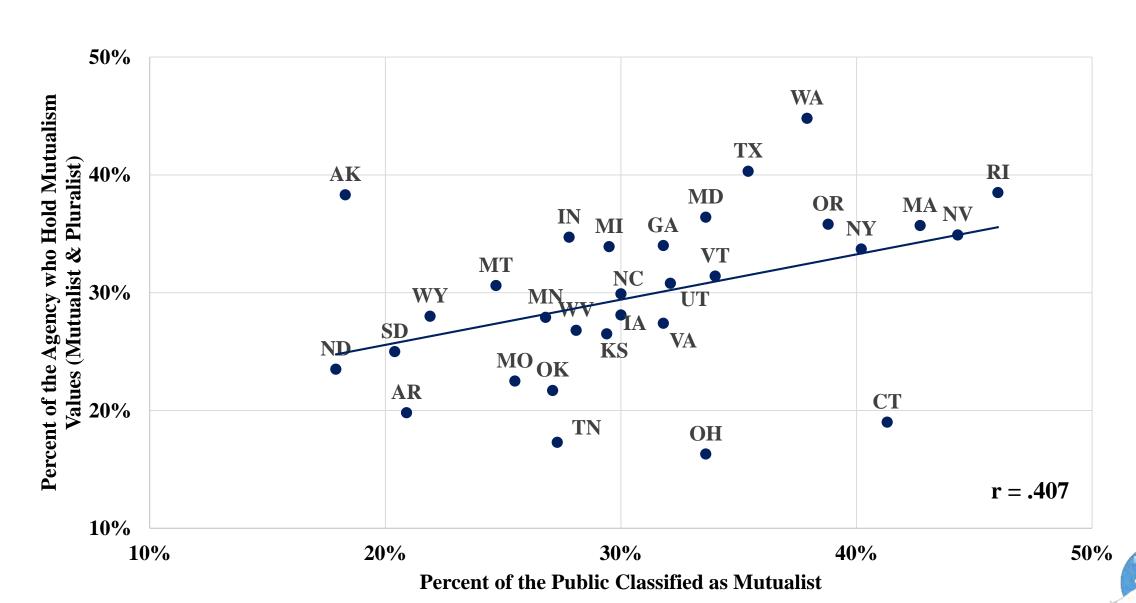


ARE AGENCIES AND THE PUBLIC CO-EVOLVING?

Comparison of wildlife values in agencies and the public for 30 U.S. States



Towards Value Pluralism in Agencies?



A Strong Unifying Mission and Commitment

Uphold Values of the Agency

Advocates

Wildlife Protectors



Expert Scientists

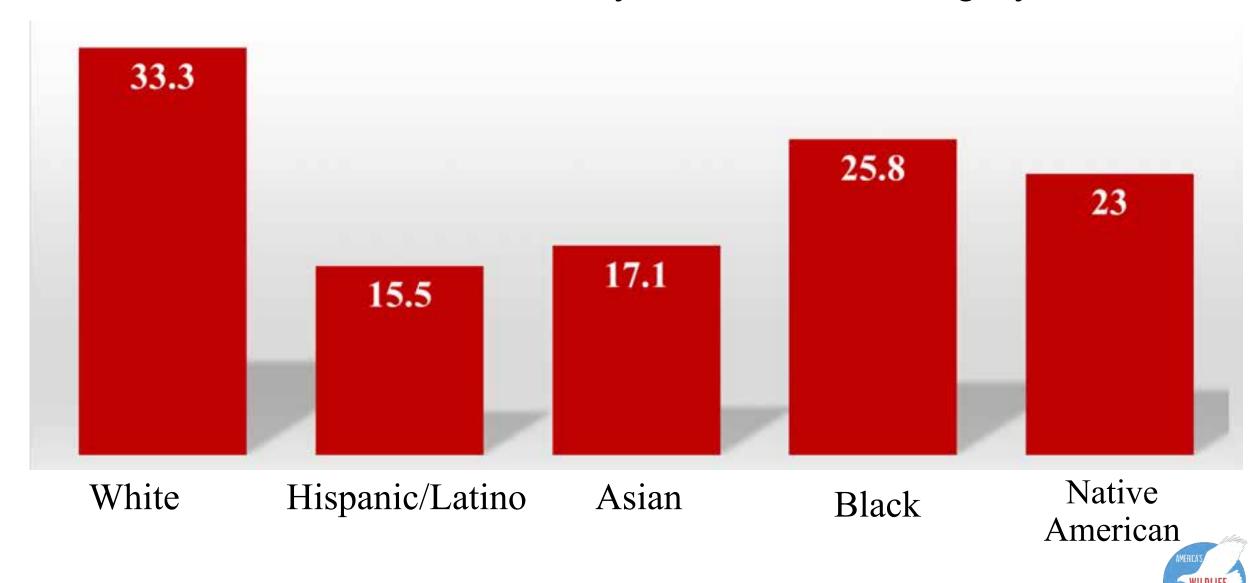
Enforcers of Law

Compassionate

Model Employee

UNDERSTANDING DIVERSE AUDIENCES

Percent Traditionalist By Race/Ethnic Category



Percent Mutualist By Race/Ethnic Category



Website: www.wildlifevalues.org

State Level Reports

Detailed Findings For All 50 States And Governance/Agency Culture For 30 States Are Available Via The Interactive Map.

Click the state you wish to access reports for.



Questions?



For more information: www.wildlifevalues.org