

## Importance of Values & Attitudes A Few Definitions:

Value: A preferred mode of behaving (e.g., honesty)

or existing (e.g., equality)

**Attitude:** Affinity or aversion toward an issue or entity

(based on what a person senses and understands about how that

issue or entity affects a given situation)

**Context:** A person's situation

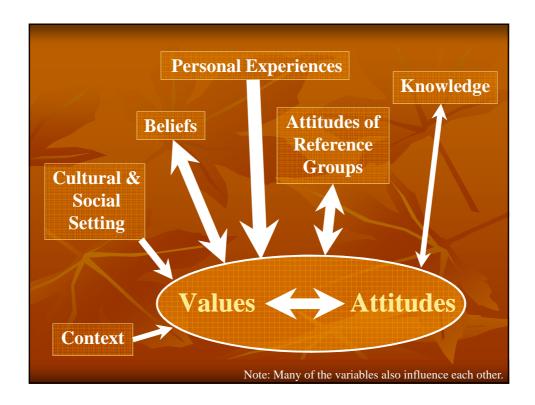
(frequency of exposure to an issue, customs, peer pressure, socialization by institutions, mood, and physical state)

Knowledge: The acquisition, comprehension, & retention

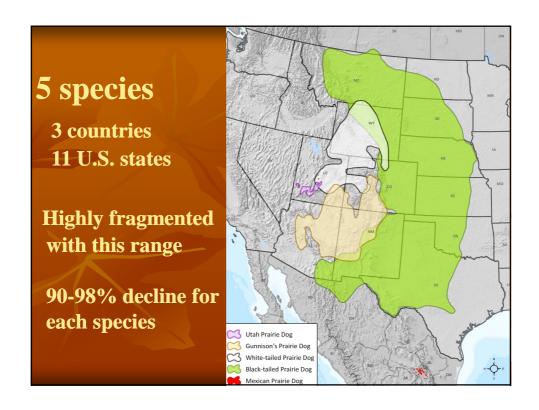
of information

(depends on exposure, receptivity, perception, interpretation,

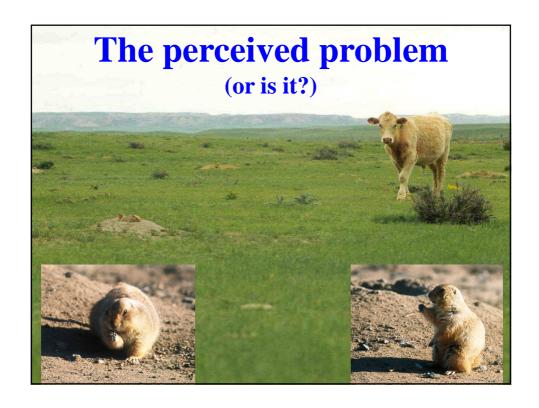
and memory)

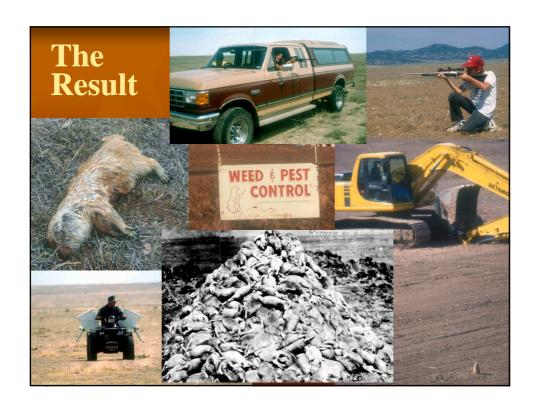














## Attitudinal Surveys of Key Stakeholders Toward Prairie Dogs

## **Key Findings:**

- 1) Results that "Everyone Knew"
  - Ranchers & rural residents believe that prairie dogs are pests that compete with their livestock for food
  - Many urban residents believe that prairie dogs are pests that dig up yards, gardens, parks, and sports fields and get in the way of development
  - Some urban residents like to watch prairie dogs and believe they are ecologically important

## Attitudinal Surveys of Key Stakeholders Toward Prairie Dogs

2) More Subtle Findings:

Ranchers & others dislike prairie dogs because

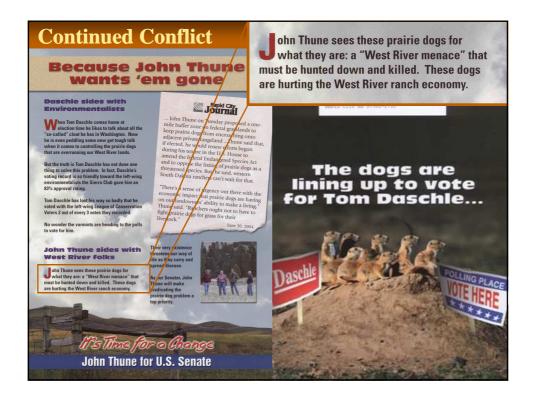
- They symbolize poor land stewardship
- Of fears of loss of control over public and private grazing lands (has been a gradual erosion of historical control)
- Wildlife conservation, esp. for species on the ESA, might lead to ranching restrictions (has happened with other species)
- Conservation of prairie dogs represents one more a threat to rural western lifestyles
  - o That lifestyle is under threat from multiple sources
  - o The number of ranchers is decreasing
  - o Hard to blame yourself for increasing range problems

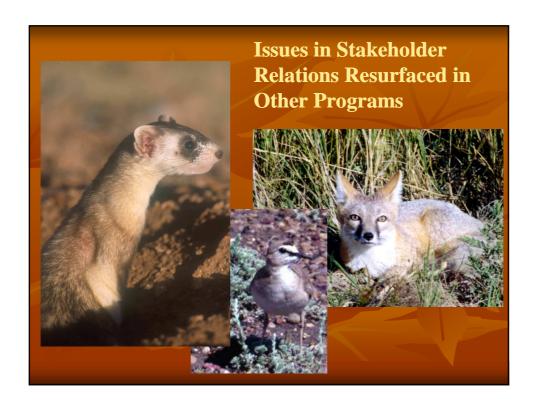
## Agencies' Response:

- **Ignored the Social Science Data**
- Federal Coordinator: "Prairie dog conservation is easy, we just have to pay the ranchers."
- **Developed a Simplistic Conservation Efforts**
- Education Program to teach ranchers that PDs and cattle compete much less than thought (3-6%)
- Financial Incentive Program to pay ranchers that allow PDs to live on their land

## Ranchers' Response

- Disbelief (we will revisit this)
- Counties threatened to pass regulations designed to discourage participation in the program







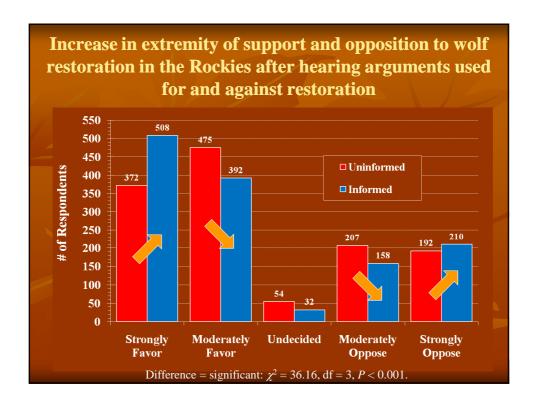


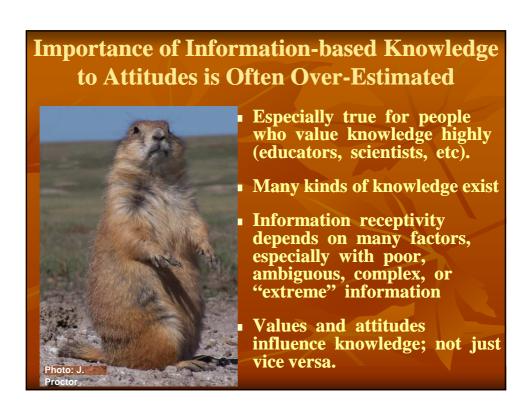
## Attitudinal Surveys of Key Stakeholders Toward Wolves Similar Key Findings: Ranchers don't like wolves b/c they eat livestock Hunters don't like wolves b/c they eat elk & deer Rural residents are afraid that wolves will eat pets and children Many people like to watch wolves and believe they are ecologically important

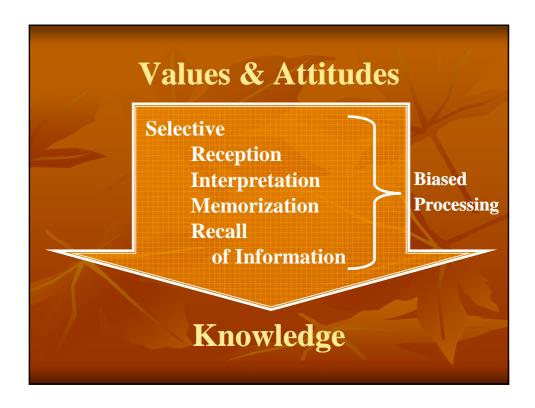
# Attitudinal Surveys of Key Stakeholders Toward Wolves More Subtle Findings: Ranchers & others dislike wolves because Of fears of loss of control over public and private grazing lands (has been a gradual cruston of historical control) Wildlife conservation, esp. for species on the ESA, might land to ranching restrictions (has happened with other species) Having wolves requires changes in managemen Conservation of wolves represents, one more a threat to rural western lifestyles That lifestyle is under threat from multiple sources The number of ranchers is decreasing Hard to blame yourself for increasing range problems



## Effects of Persuasive Arguments Attitudes Before & After hearing persuasive arguments Examples of Pro Arguments • Wolves are God's creatures that have as much right to occupy the wilderness as ranchers or hikers • The presence of wolves helps keep the population of elk and deer healthy by thinning out the sick and weak and leaving the strong to reproduce • We owe it to our children and grandchildren to maintain the environmental health of this region by keeping wildlife like wolves alive and well Examples of Anti Arguments • Wolves attack and can kill domestic livestock such as cattle and sheep and lead to financial losses for ranchers and farmers • Reintroducing wolves into the region will hurt hunting by reducing available elk and deer populations • We should not waste taxpayer dollars on a program to reintroduce wolves to the region

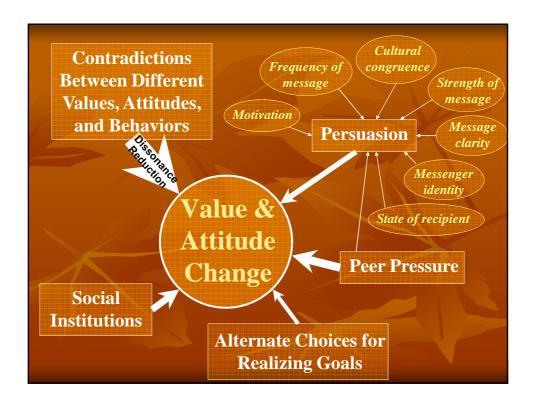






## **Influencing Perspectives**

- Often very difficult, especially for strongly held values and attitudes
- Best success at influencing people = people with poorly developed attitudes
- Value & attitude change is most successful when people become aware of internal inconsistencies between values, attitudes, and behaviors
- People usually change peripheral values & attitudes to better reflect core values
- Values influenced by several factors



## Is it Ethical to Induce Value & Attitude Change?

- Not working for change = accepting the status quo (in this case loss of Biodiversity)
- Opponents try to take the "moral high ground" but really simply opposing change
- We should respect the right of people to hold different values and attitudes . . . But
- **Everyone constantly tries to influence others**
- Everyone believes their value system is best (or they would change it!)

### **Recommendations**

### on Considerations of Values and Attitudes

- ⇒ Turn to <u>Social Scientists</u> & the <u>Pedagogical</u>
  Literature for assistance
- ⇒ Use Multiple Studies & Multiple Methods:
  - Interdisciplinary approaches, NOT multidisciplinary
  - + Different methods to cross-validate results,
  - + Short-term & Long-term studies (to track how long impacts last)
- ⇒ Recognize the difficulty in inducing value, attitude, & behavioral change, so . . .

## **Recommendations**

- ⇒ Focus on areas that offer the most hope of affecting *behavioral* change (changes in values, especially core values are very difficult):
  - + Children
  - → People (stakeholder groups) with poorly developed values & attitudes toward animals and nature conservation
- ⇒ Developing strong education and outreach programs that do more than provide information and persuasive messages
  - + i.e., work on positive experiences

## **Conclusions**

- ⇒ Conservation problems are primarily social, economic, and political in nature
- ⇒ Therefore, Biology/Ecology is not sufficient
  - + Importance of <u>truly</u> interdisciplinary (not multidisciplinary) approaches (i.e. include social sciences)
  - + Involve experts trained in the social sciences
  - + Great value to Policy Sciences approach
- ⇒ Hopefully, I illustrated the importance of considering values and attitudes
- ⇒ I could give similar talks on considerations of organizations, politics, economics, and more

