Colorado Parks and Wildlife

- State agency responsible for managing Colorado's 960 species of wildlife
- More than 350 State Wildlife Areas
- 41 State Parks



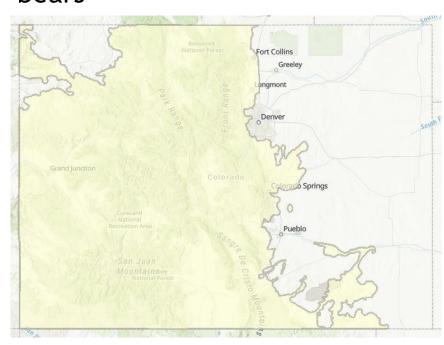






Colorado Bear Population

- Colorado only has Black Bears
 - Statewide population estimate approximately 17,000-20,000 bears
- Distribution
 - West of I-25 with smaller populations in river bottoms east of I-25 and in SE Canyonlands





Black Bear Biology

Adult Males: ~275 pounds

Adult Females: ~175 pounds

 Range from 125-450+ pounds depending on food source availability



Black Bear Biology

- Many different color phases
 - Black, Brown, Cinnamon, Honey, Blonde
 - No grizzly bears in Colorado
- Omnivores
 - 80%to 95%+ of their diet is vegetarian
 - Meat portion is often carrion
 - Trash
- "Hibernate" in the winter
 - Seasonal Lethargy
 - "Trigger" is often food availability rather than temperature/snowfall

Bear Attractants

- Trash
- Bird seed
- BBQ Grills
- Pet Food
- Air Fresheners
- Pets/Livestock
- Hot Tub Covers
- Gardens
- Fruit Trees

- Bee Hives
- Ponds/Fish
- Compost Piles
- Natural Sources

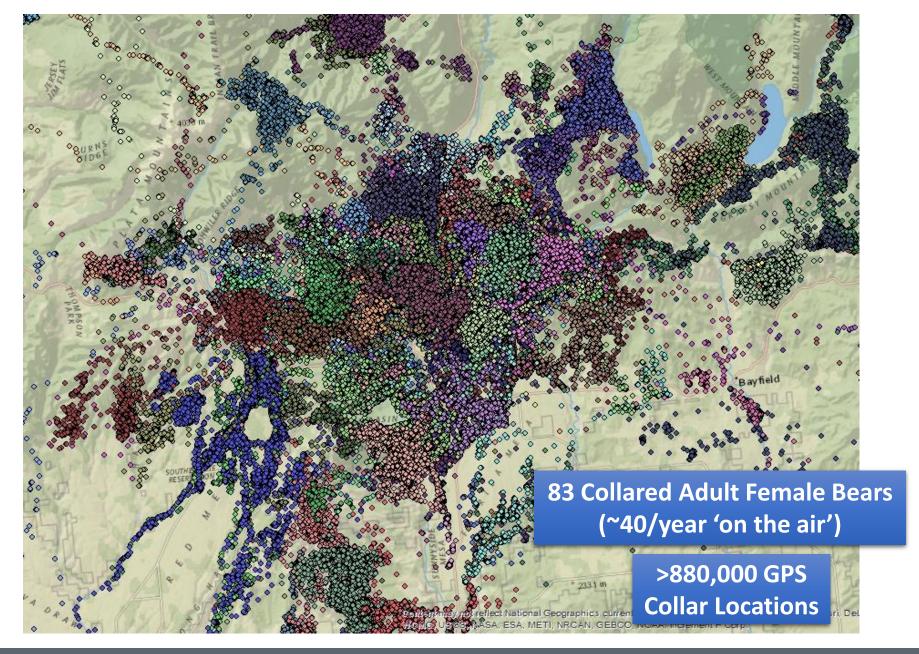


Causes, Consequences and Considerations for Management of Human-Black Bear Conflicts: Lessons Learned from Research in Durango



Heather Johnson Stewart Breck, David Lewis, Jared Laufenberg, Stacy Lischka, Tana Verzuh, and Cody Wallace

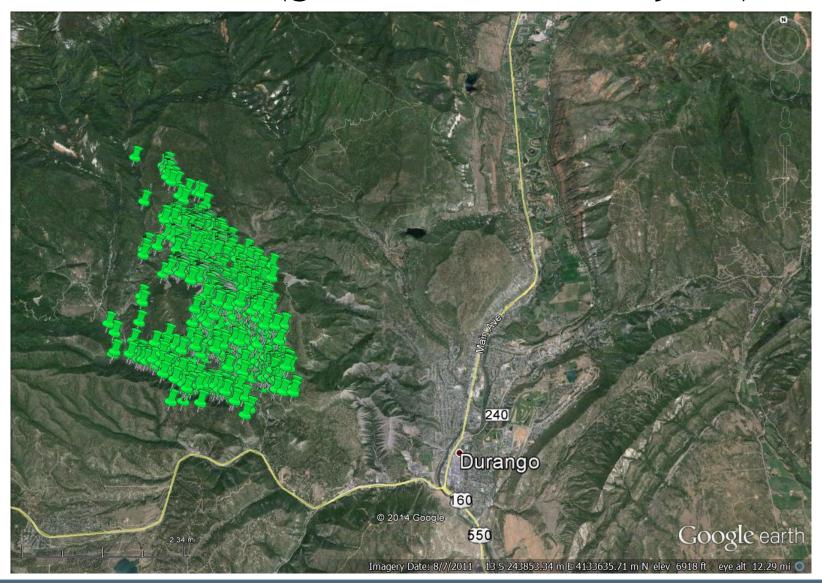






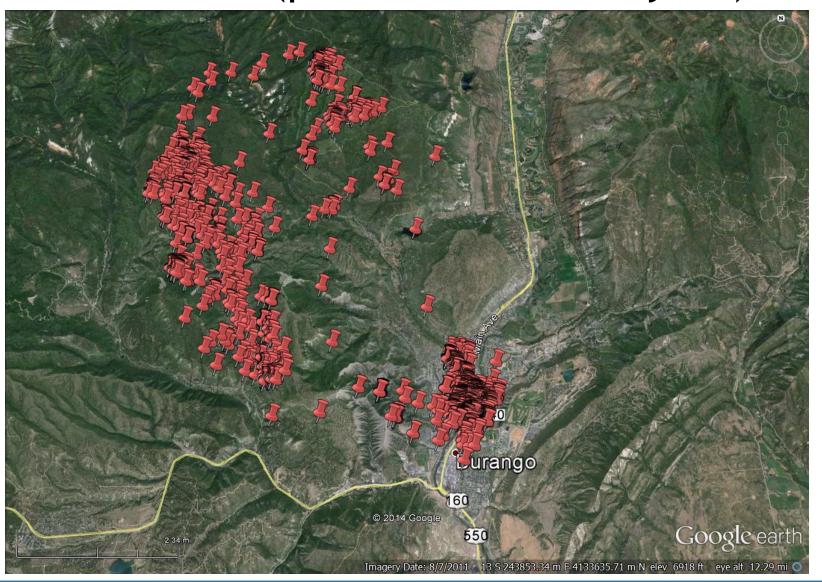


B25: 2011 (good natural food year)



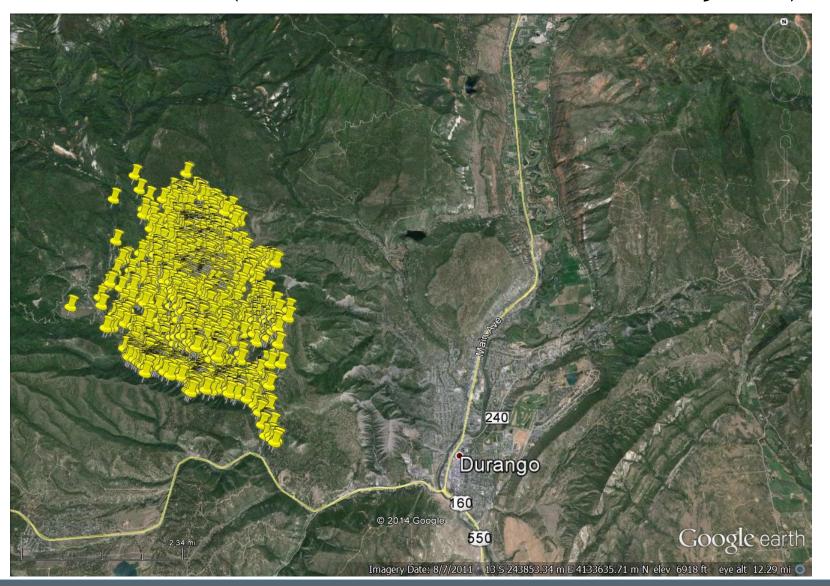


B25: 2012 (poor natural food year)





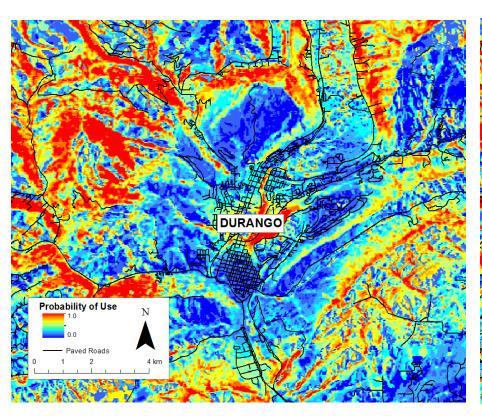
B25: 2013 (moderate natural food year)

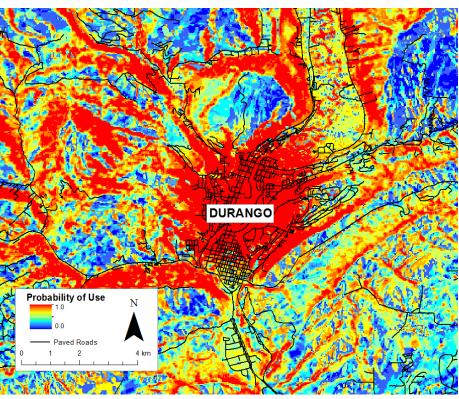




Good natural foods

Poor natural foods

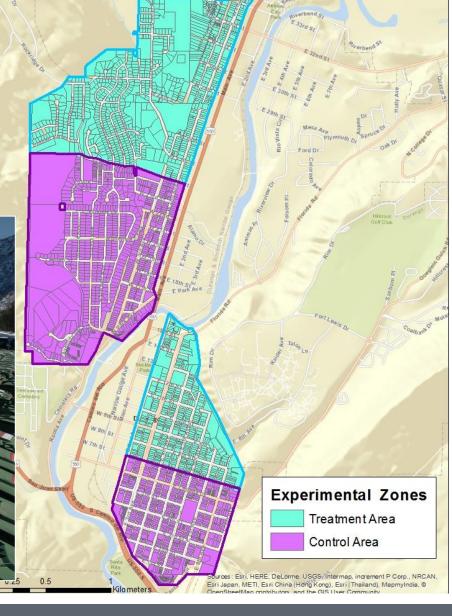






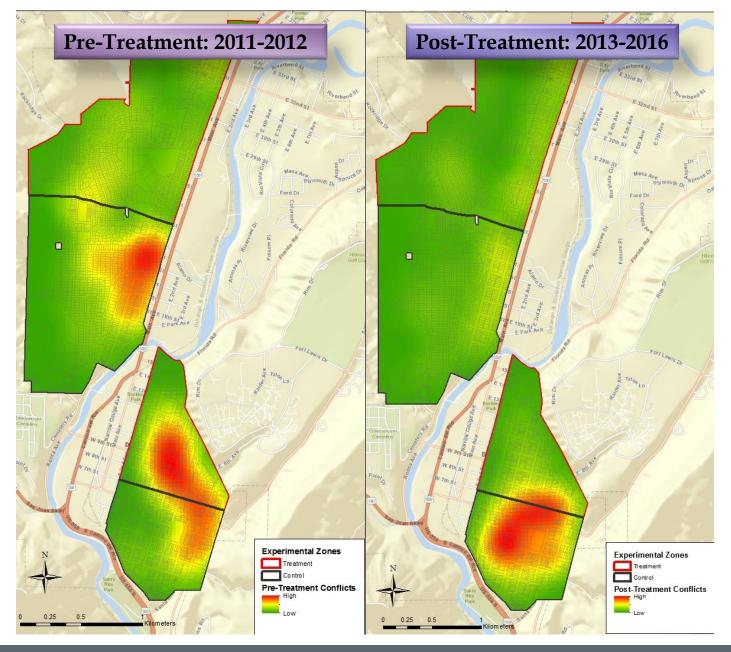








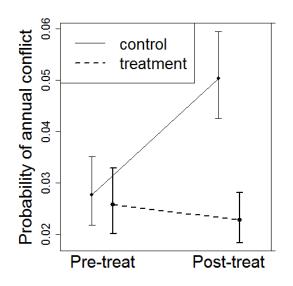


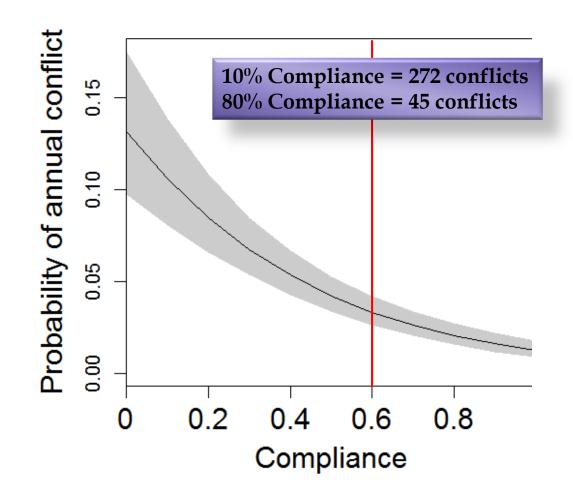






Testing the effectiveness of the bear-resistant experiment for reducing human-bear conflicts



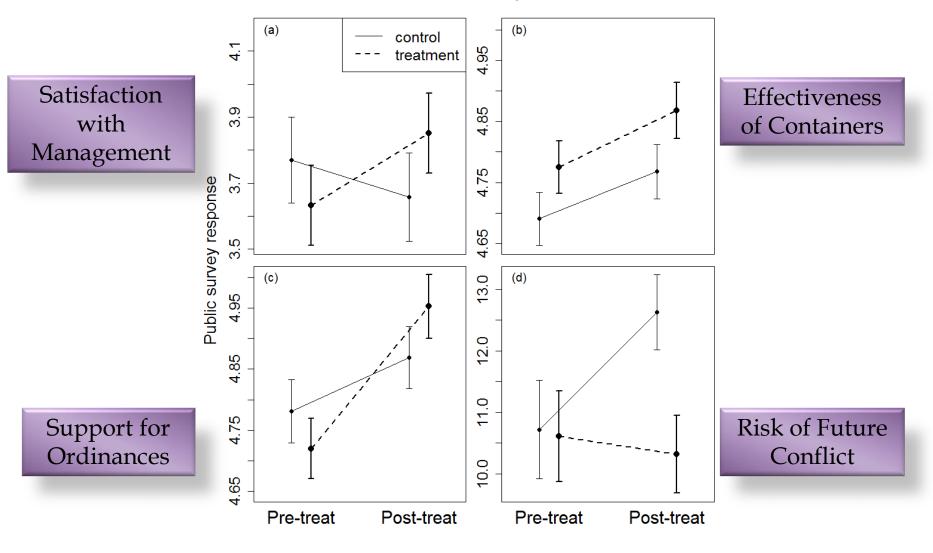




Public Survey Questions

- 1) Rate your satisfaction in management of bears and humanbear conflicts
- 2) How effective are bear-resistant containers for reducing conflicts?
- 3) How acceptable is it for CPW to support city ordinances requiring bear-resistant containers?
- 4) How likely is it that you will experience a bear conflict in the future?

Public Survey Results







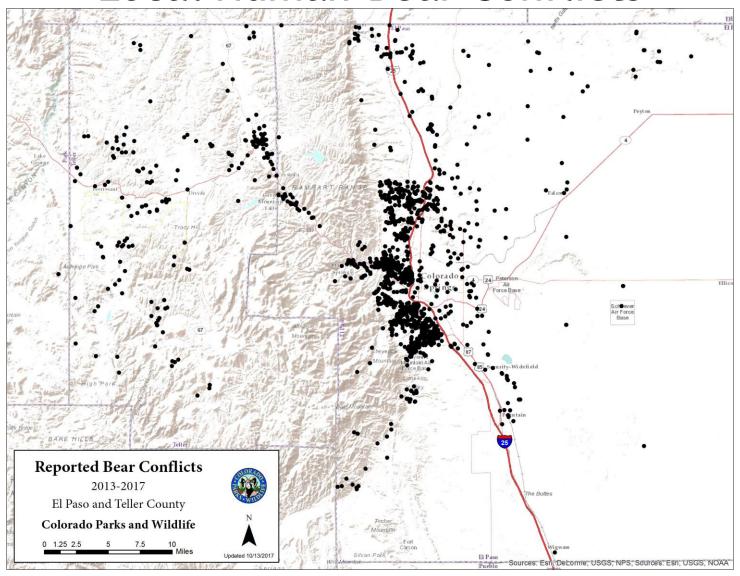
Take Home Messages

- Distribution of bear-resistant containers resulted in 50% fewer conflicts than control areas.
- Important to promote compliance with ordinances to reduce access to human foods (by whatever means); ~60% compliance rate significantly reduced conflicts, and may serve as a useful management target
- Distribution of cans not only reduced conflicts, but positively changed public perceptions (management, ordinances, future risk)





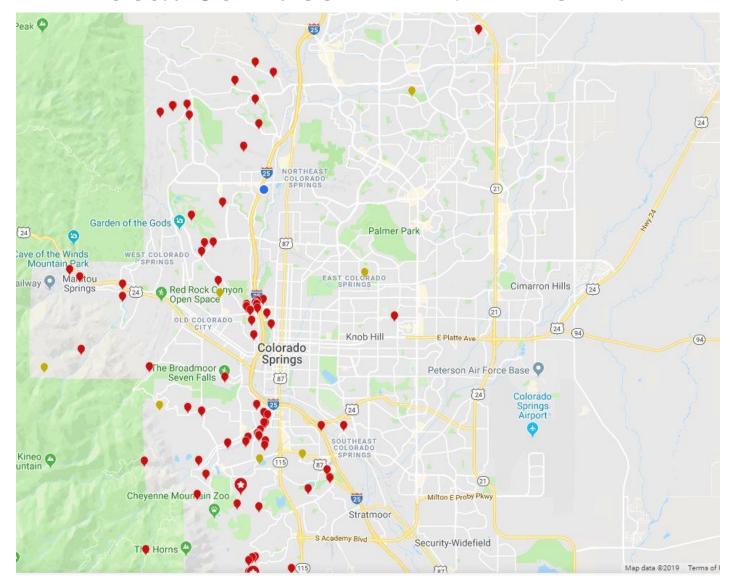
Local Human-Bear Conflicts







Local Conflict 4/1/19 - 7/8/19





Number of calls by County (April 1, 2019- July 8, 2019)

1. Pitkin 224

2. Routt 183

3. El Paso 152

4. Boulder 142

5. Larimer 128

6. La Plata 105

7. Garfield 97