

Protecting the Pika under the Federal and California Endangered Species Act

Shaye Wolf
Center for Biological Diversity, Petitioner



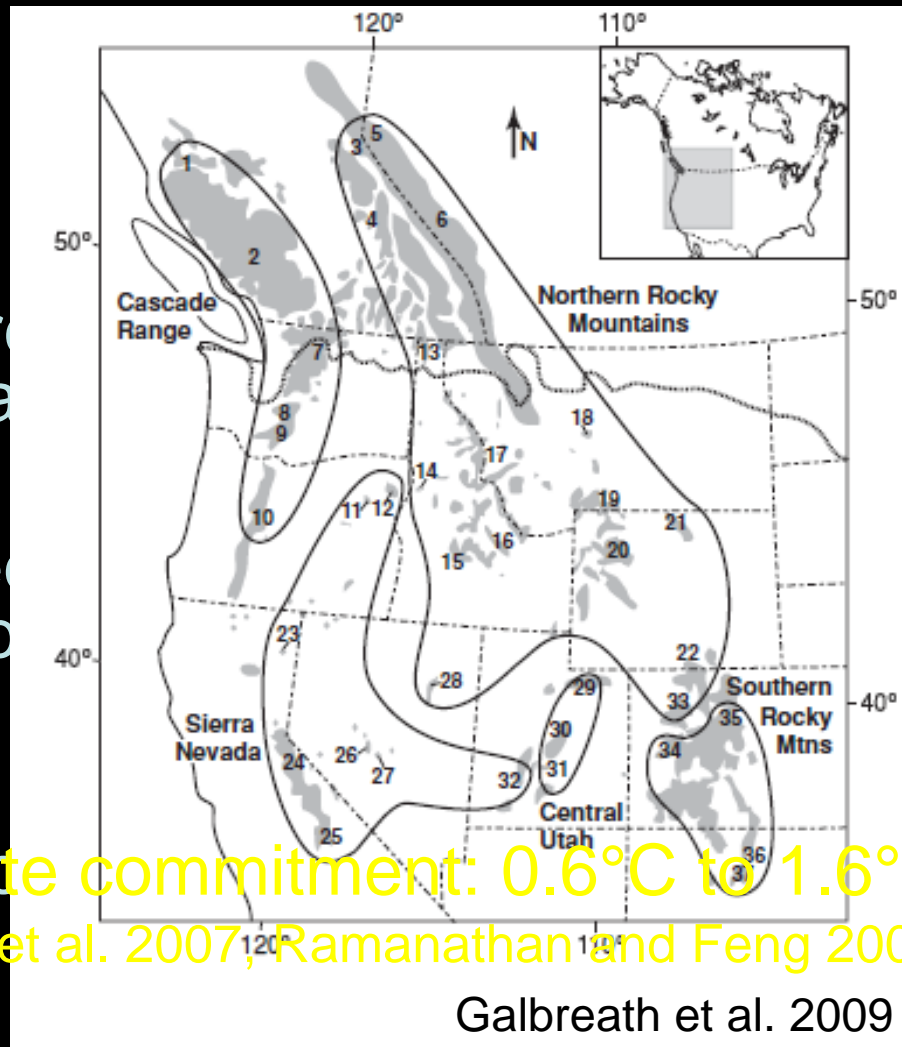
(c) John J. Mosesso

- endangered
a significant

- threatened
foreseeable
portion of

- current
listing

- species, subspecies, or distinct population segments
can be listed



throughout all or

red within the
significant

crement for



Listing process

(1) Evaluate petition to determine if listing “may be warranted”

ESA: 90 days after petition received

CESA: 3 to 4 months after petition received

(2) Status review: comprehensive look at the best available science

(3) Determine whether species should be listed

ESA: 12 months after petition received

CESA: after 12 month status review

Future probability of survival (Loarie et al. in review)

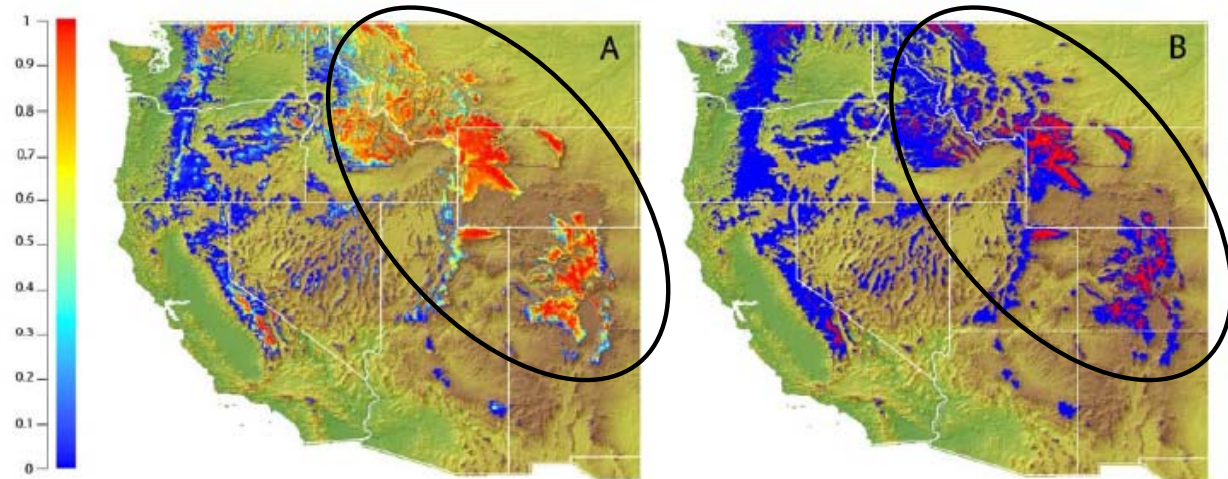
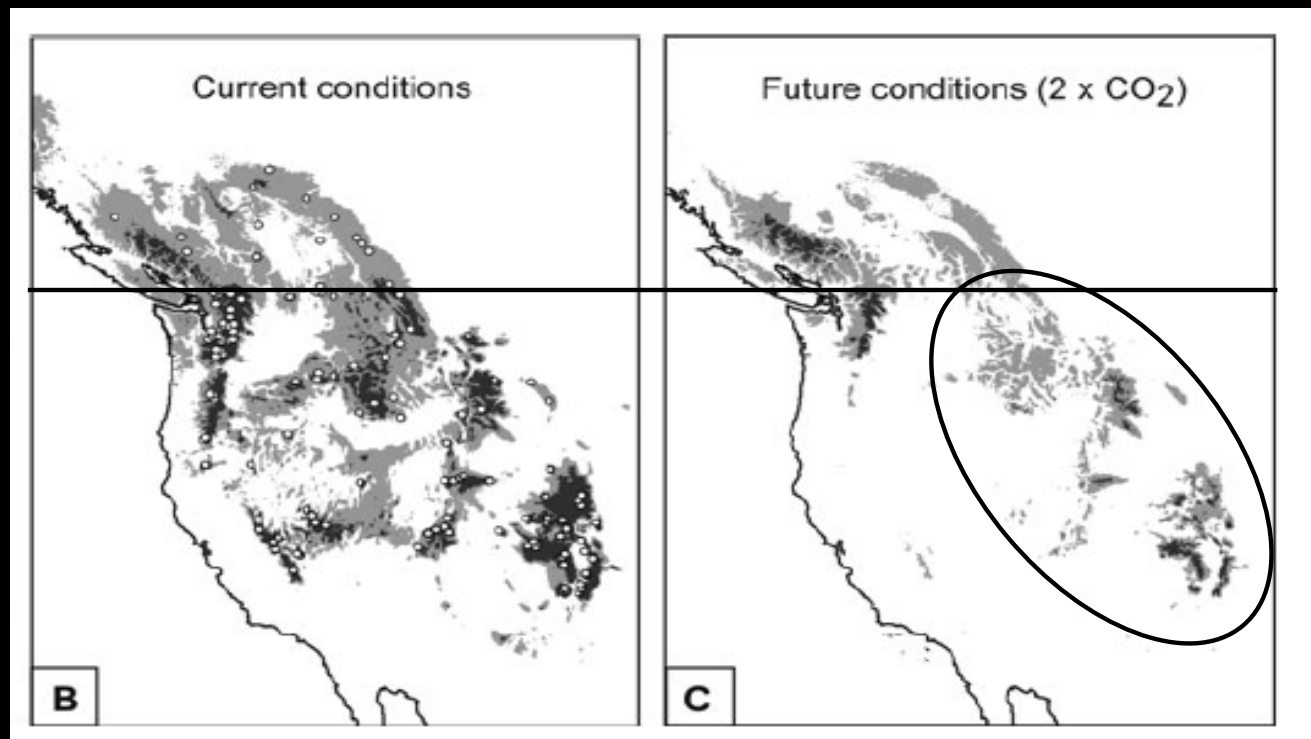
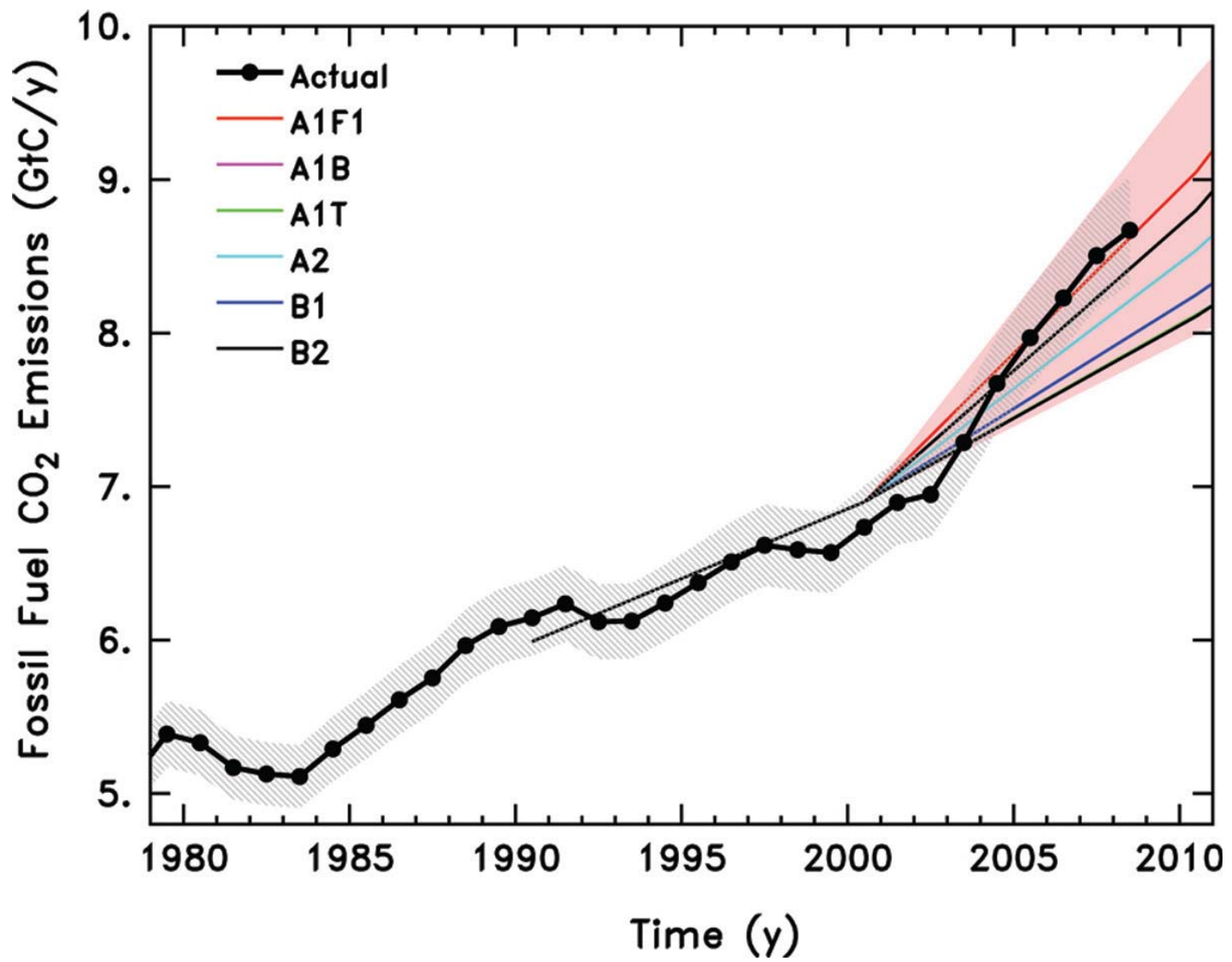


Fig 3. (a) Average predicted probability of survival from 2010-2099 across the modeled current distribution of the American Pika. **(b)** Areas where the probability of surviving the interval from 2010-2099 is less than (blue) and greater than (red) 0.95.

Future suitable habitat (Galbreath et al. 2009)





Copenhagen Diagnosis 2009

Endangered Species Act listing leads to concrete actions to protect climate-vulnerable species

- Increased research/monitoring

Listed species often get more research funding and monitoring

- Outreach

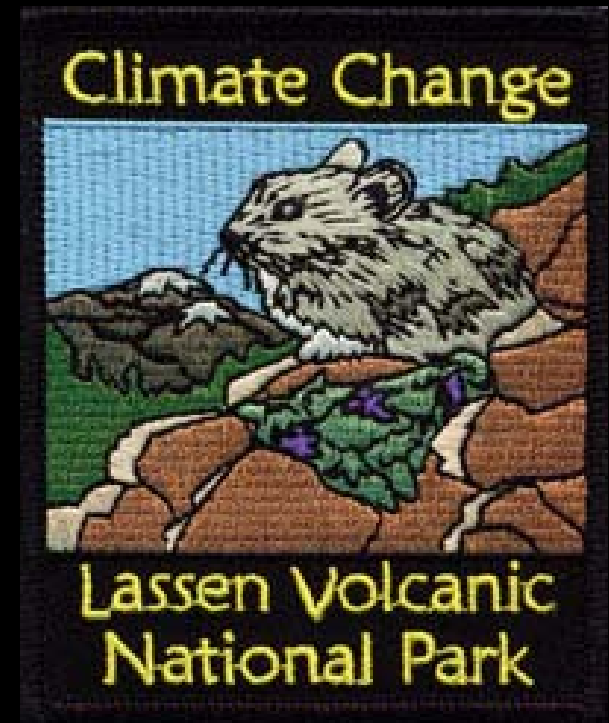
Educates public by illustrating effects of climate change locally

- Mitigation

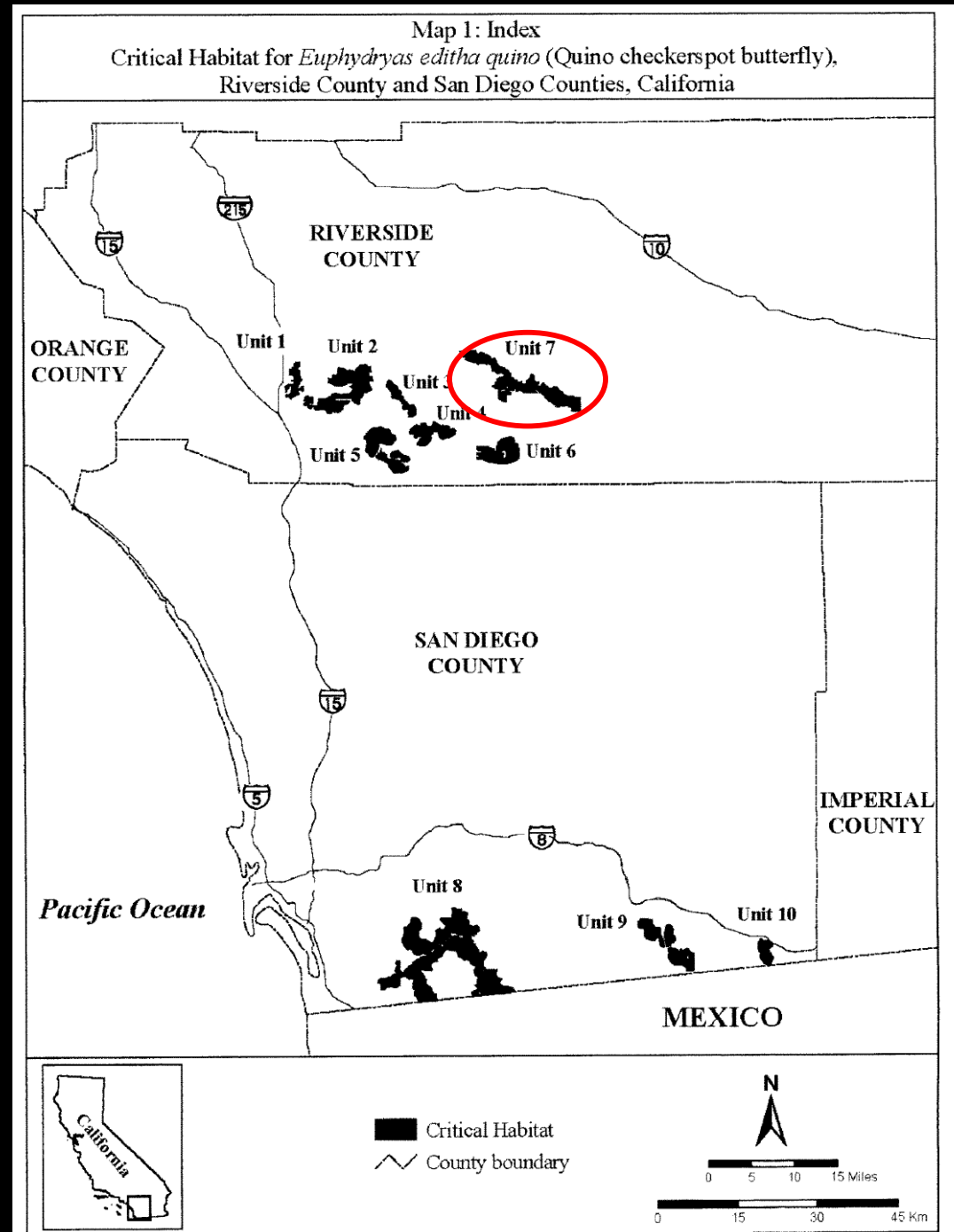
Consultation process can reduce carbon emissions from agency actions

- Adaptation

1. Consultation can reduce non-climate stressors
2. Recovery plan
3. Critical habitat protection



Quino checkerspot



Future probability of survival (Loarie et al. in review)

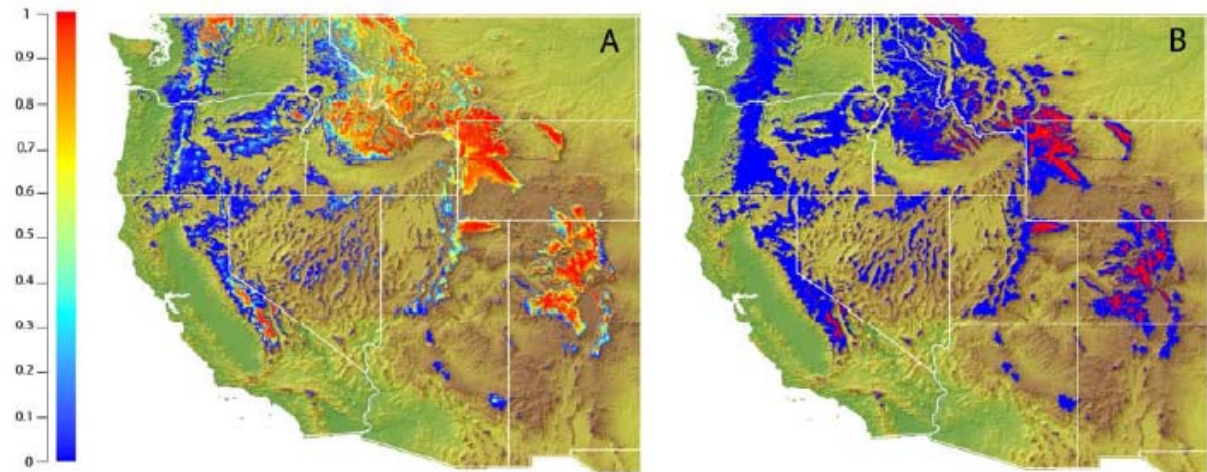
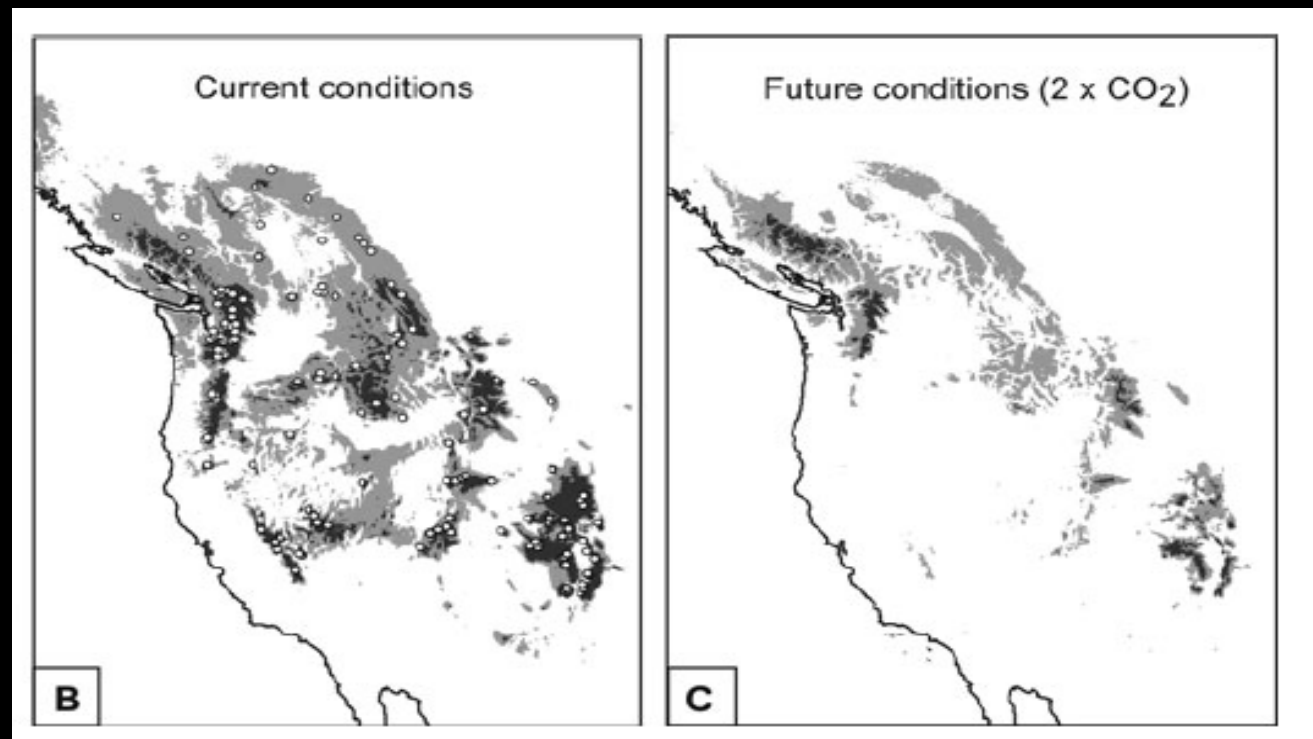


Fig 3. (a) Average predicted probability of survival from 2010-2099 across the modeled current distribution of the American Pika. **(b)** Areas where the probability of surviving the interval from 2010-2099 is less than (blue) and greater than (red) 0.95.

Future suitable habitat (Galbreath et al. 2009)



ESA protections for species threatened by climate change

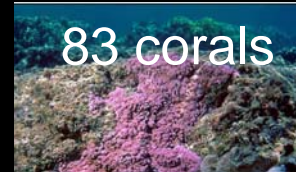
– Listed as threatened



– Candidate



– Being considered



– Denied



Status of petitions

California Petition

- petition filed August 21, 2007
- FGC rejected petition at “may be warranted” stage in April 2008
- CBD challenged decision and prevailed; court ruled that FGC used wrong legal standard in evaluating petition and ordered FGC to reconsider petition in May 2009
- FGC rejected petition again in July 2009 and finalized that decision in October 2009
- CBD challenged decision in October 2009

Federal Petition

- petition filed October 1, 2007
- FWS 8 months overdue on 90-day finding; CBD then filed suit over ESA timeline violations, resulting in settlement requiring decisions by May 2009 and February 2010
- FWS announced in May 2009 that listing may be warranted based on threats from climate change
- full status review underway
- listing decision due February 1, 2010