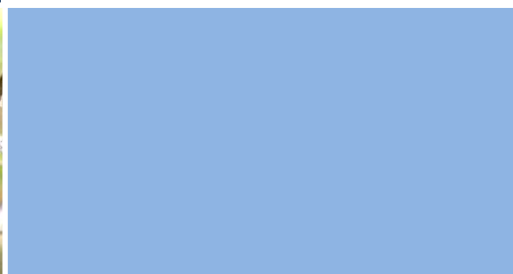


*Management of threatened  
and endangered species in  
Alaska in the face of climate  
change*  
*Erin Knoll, U.S. Fish and Wildlife Service*



# Endangered Species Act (ESA)



- Administered by the U.S. Fish and Wildlife Service (USFWS)
  - Terrestrial and freshwater organisms
  - Walrus, polar bear, and sea otters
- And the Commerce Department's National Marine Fisheries Service (NMFS)
  - Marine wildlife (whales and anadromous fish)
- Species can be jointly managed (sea turtles)

# NMFS Listed Species in AK



- Bowhead Whale
- Sei Whale
- Blue Whale
- Fin Whale
- Cook Inlet DPS Beluga Whale
- Western North Pacific DPS Gray Whale
- Sperm Whale
- Western North Pacific DPS Humpback Whale
- Sperm Whale
- Arctic Ringed Seal
- Beringia DPS, Bearded Seal
- Western DPS Steller Sea Lion
- Sea Turtles (loggerhead, green, leatherback, olive ridley)
- Numerous lower 48 anadromous fish that may occur in AK waters during their marine phase
- <https://www.fisheries.noaa.gov/alaska/endangered-species-conservation/endangered-threatened-and-candidate-species-alaska>

# USFWS Listed Species in AK



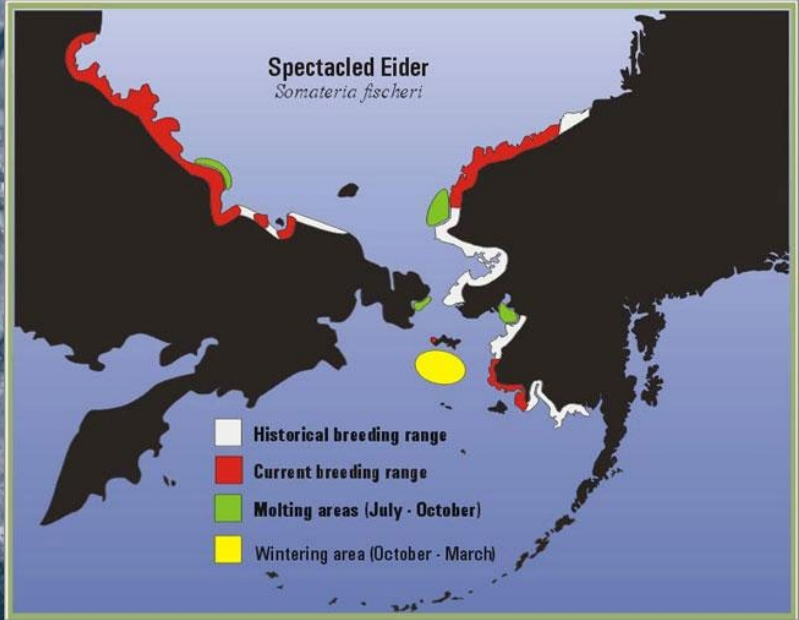
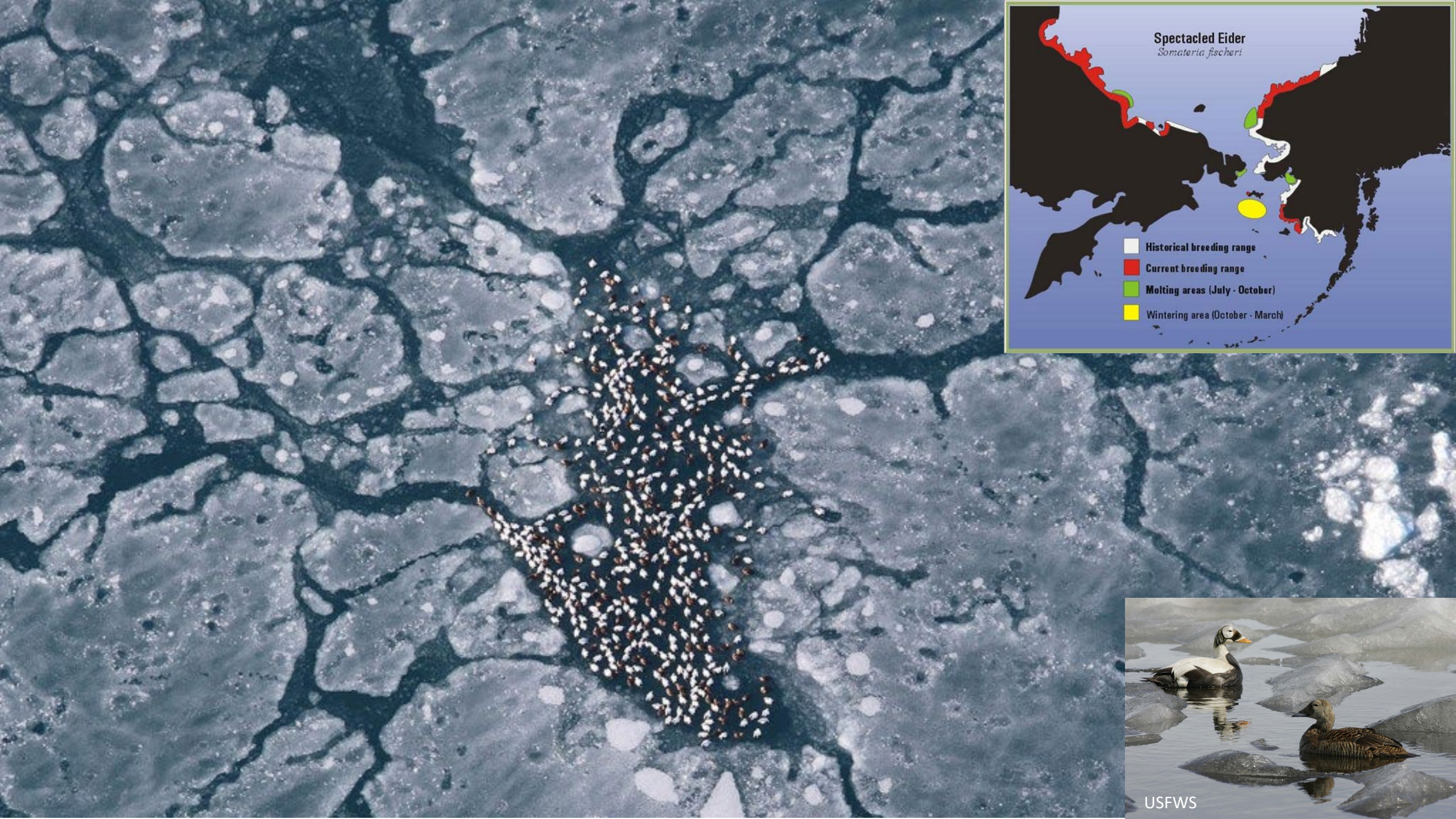
- Polar Bear
- Wood Bison
- Spectacled Eider
- Southwest Alaska DPS of the Northern Sea Otter
- Alaska Breeding Population DPS of Steller's Eider
- Short-tailed albatross
- Eskimo Curlew
- Aleutian Shield Fern

# Listed Species and Climate Change



USFWS Marine Mammals

NOAA Fisheries

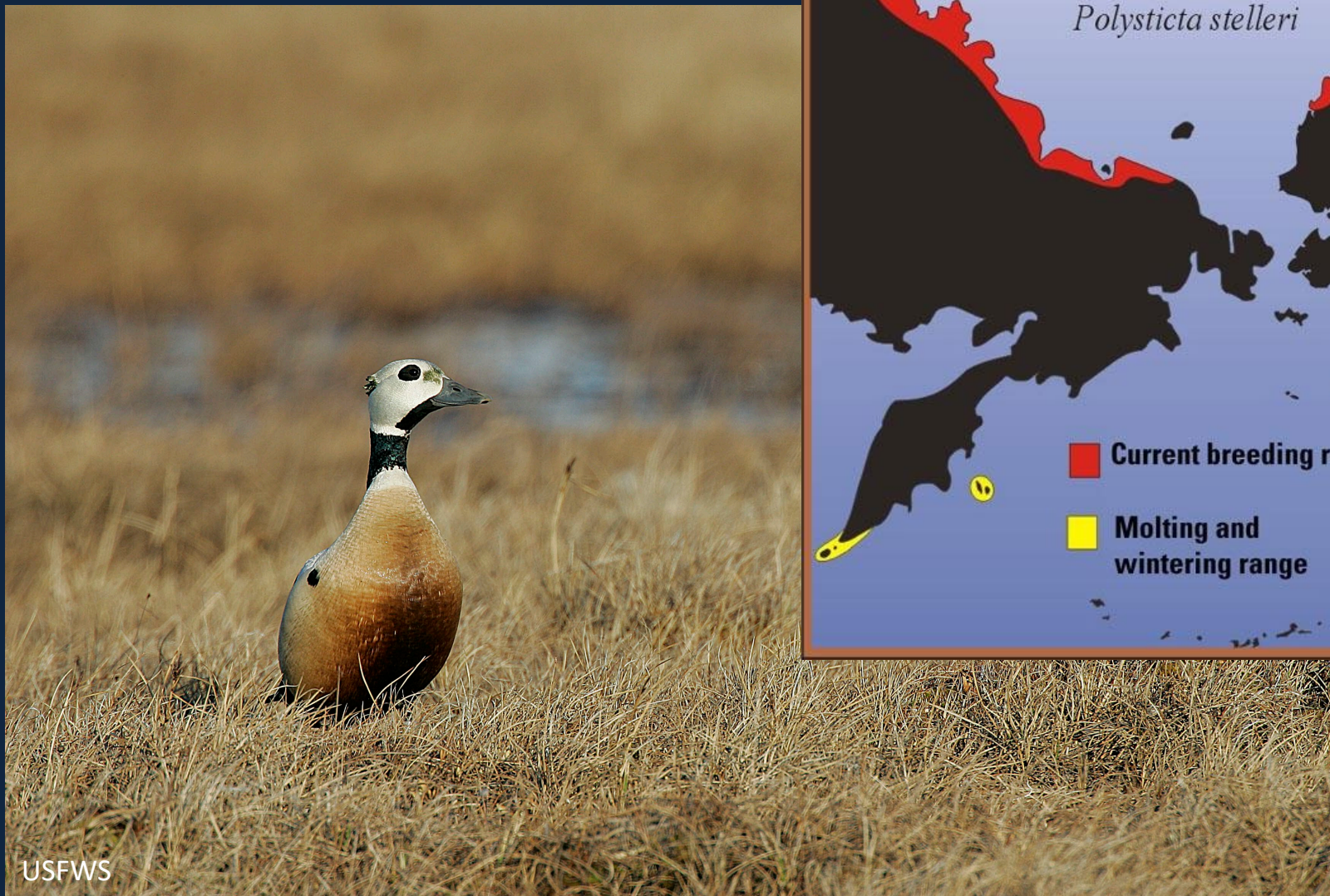


# Endangered Species Management in AK

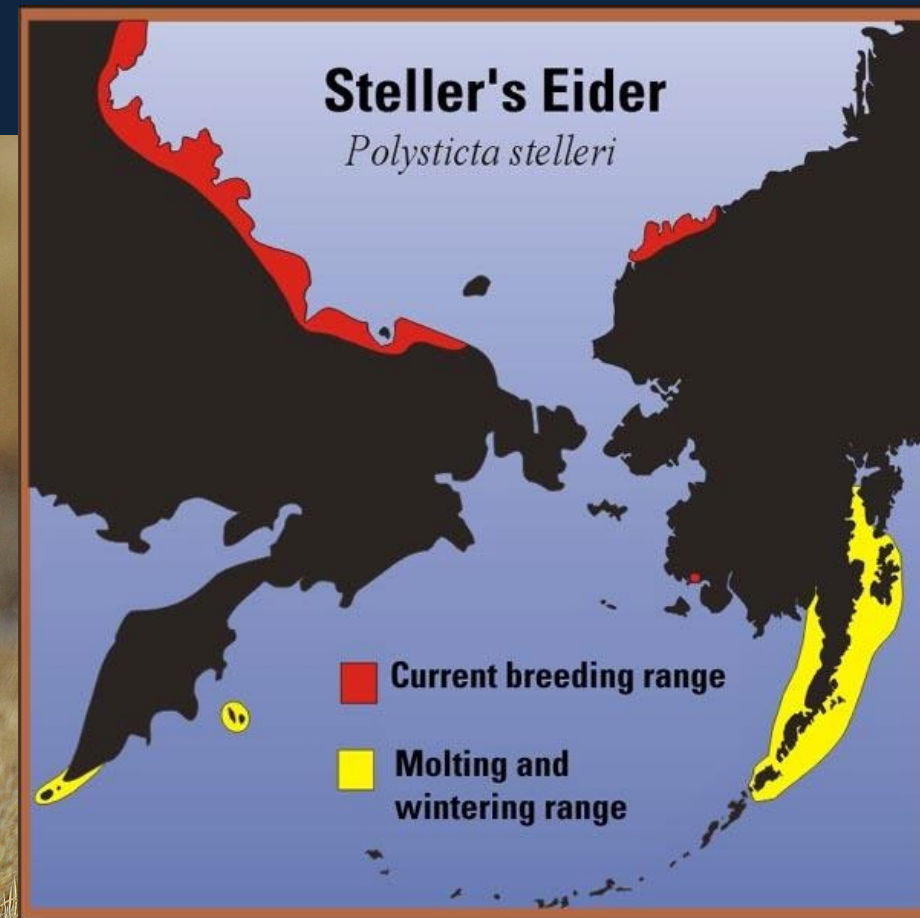


USFWS

# Active Management in Alaska



USFWS



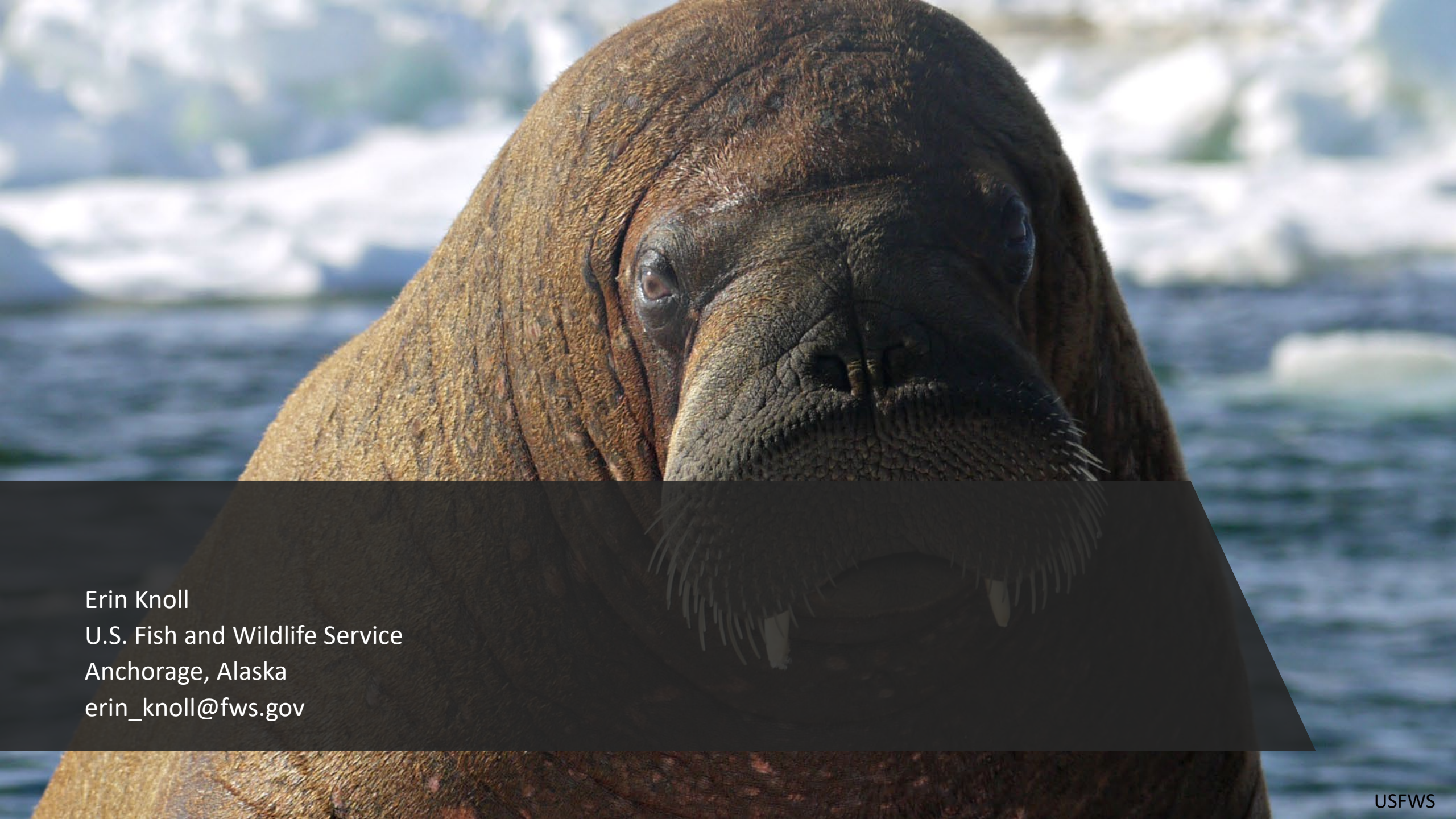


# 10j rules

- Recovery tool
- Experimental populations – geographically separated from nonexperimental populations of the same species/subspecies.
- Allows release of species outside the current range of the species, if the release will further the conservation of the species.



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