

# **ESRM 350**

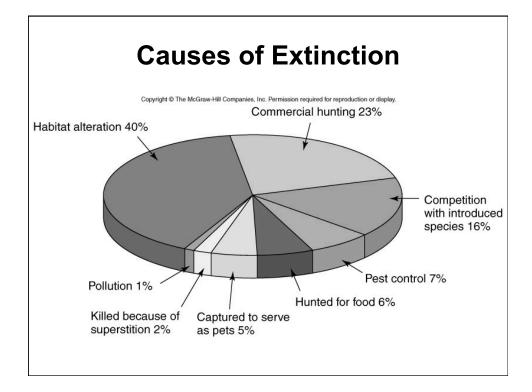
Consumptive and Non-Consumptive Exploitation of Wildlife

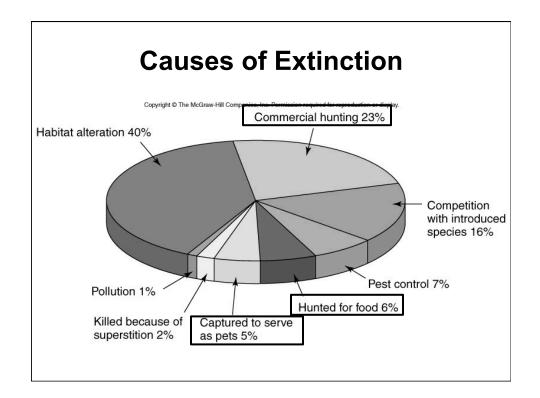
Autumn 2014

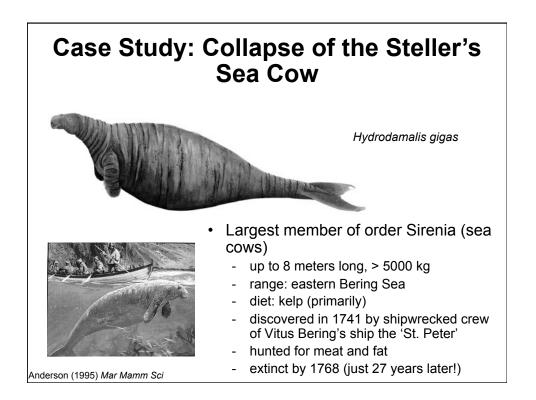
"I wanted an ideal animal to hunt," explained the general. "So I said: 'What are the attributes of an ideal quarry?' And the answer was of course: 'It must have courage, cunning, and, above all, it must be able to reason.'" - Richard Connell, *The Most Dangerous Game* 

## **Consumptive Exploitation**

- Harvesting wildlife populations for the purpose of subsistence or recreation
- · Forms include
  - Commercial hunting
    - often regulated, though not in the case of black markets (poaching)
  - Subsistence hunting
    - difficult to regulate
  - Collection for parks, zoos, and the pet trade



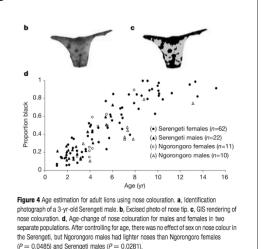




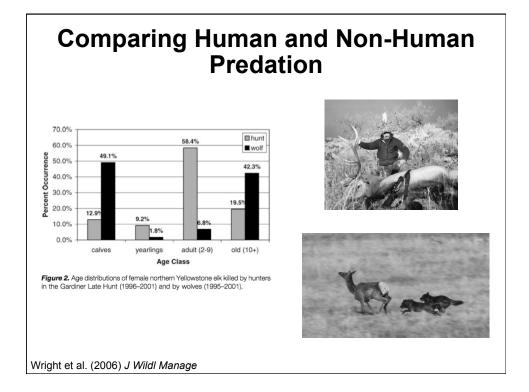
## Case study: Sustainable Trophy Hunting for Lions

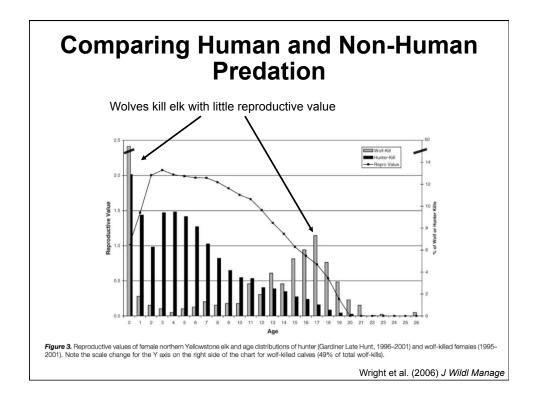


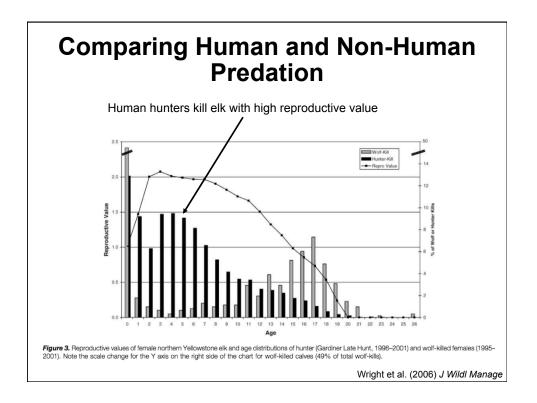
Nose pigmentation can be used to harvest only old males (> 8 yrs) that are no longer reproductive active

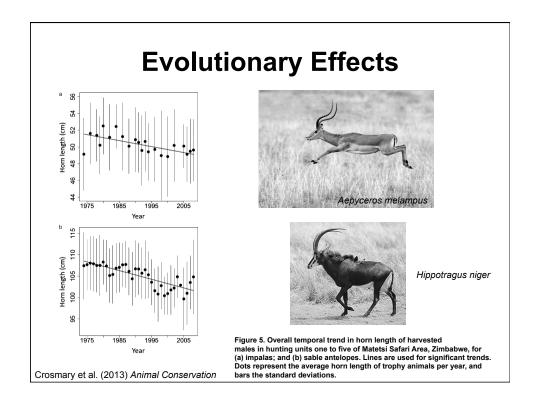


Whitman et al. (2004) Nature

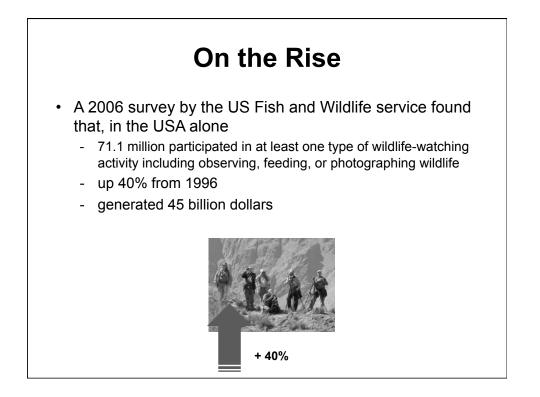


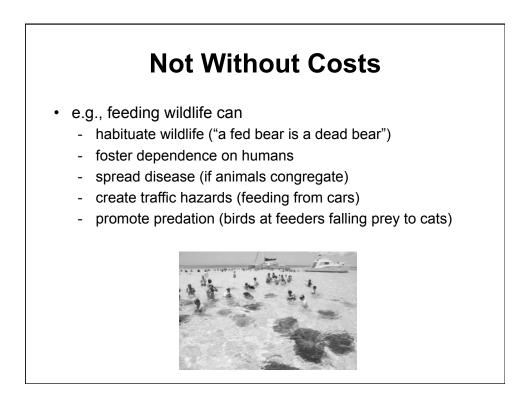






# Non-Consumptive Exploitation Use of wild animals that does not involve removing individuals from populations non-extractive Examples include bird watching catch-and-release fishing feeding wildlife photography ecotourism





## Ecotourism

Responsible travel to natural areas that conserves the environment and improves the welfare of local people

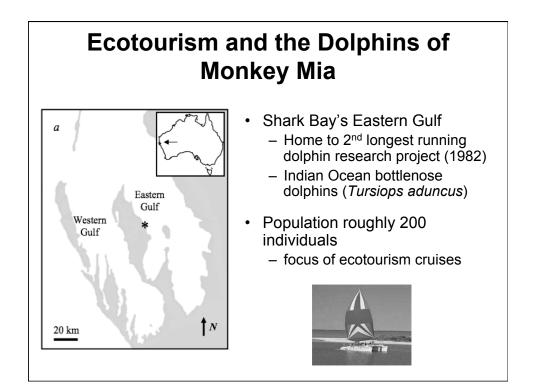
- (The International Ecotourism Society)

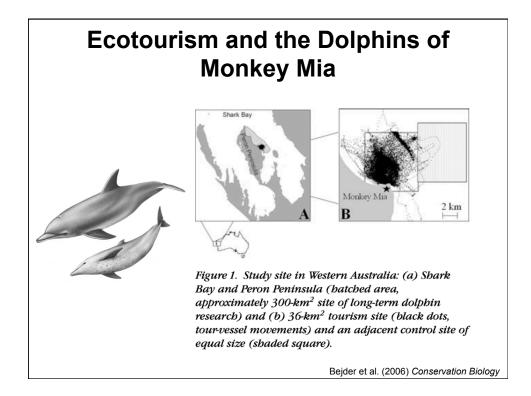
Ecotourism is growing 10% per year

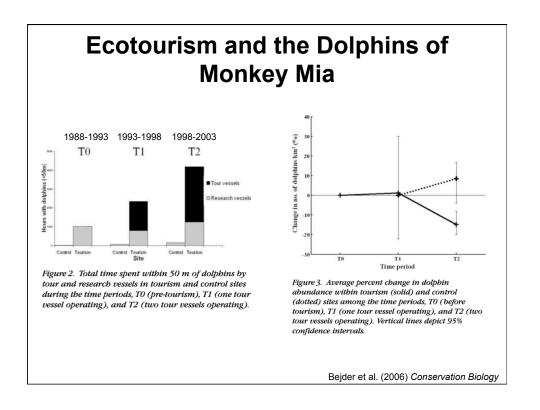


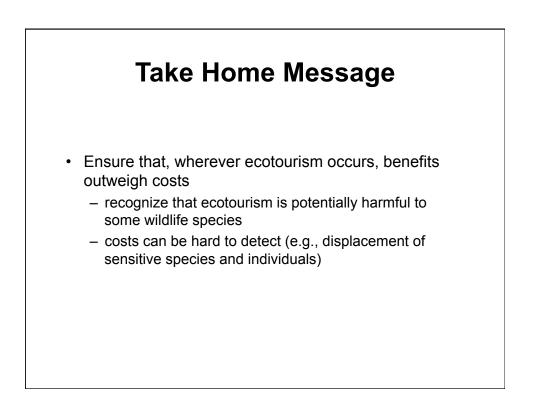
- · build environmental awareness and respect
- provide positive experiences for both visitors and hosts
- · provide direct financial benefits for conservation
- provide financial benefits and empowerment for local people

But, ecotourism can have costs, too...









## **Five Minute Paper**

**Questions & Insights**