New Report is Troubling but Not Surprising
IPBES Key Findings: Species Declines and Extinction

• One million species facing extinction, many within decades
  • Rate of species extinction *tens to hundred times higher* than average over past 10 million years
  • At least 680 vertebrate extinctions due to human actions since 16th century

• Extinction estimates based on IUCN Red List of Threatened Species
25% average “at risk” for IUCN assessed species groups; assumed average of 10% for insects globally
How Does This Compare with Extinction Risk of U.S. Species

2015 status data on 24,612 species from NatureServe and state natural heritage programs

ca. 1/3 “at risk of extinction” vulnerable (G3) to critically imperiled (G1)

Achatinella apexfulva
Extinct Jan. 1, 2019
IPBES Key Findings:
Ecosystem Loss and Degradation

- 75% of Earth’s land surface is significantly altered
- 66% of ocean area experiencing increasing cumulative impacts
- 85% of wetlands have been lost
- 50% of live coral cover lost since the 1870s

Habitat loss by terrestrial ecoregion
IPBES Key Findings
Threats Have Accelerated During Past 50 Years

- Land/sea use change
- Direct exploitation
- Climate change
- Pollution
- Invasive alien species
The Good News: Global Findings Align with NWF Strategic Plan

- Habitats
- Species
- People