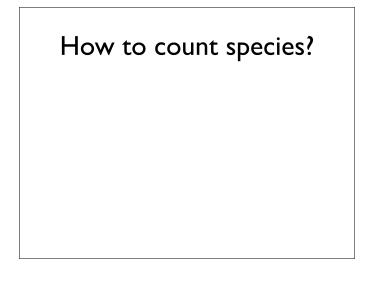
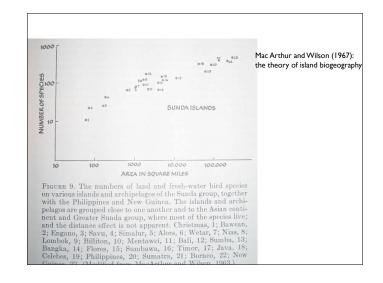
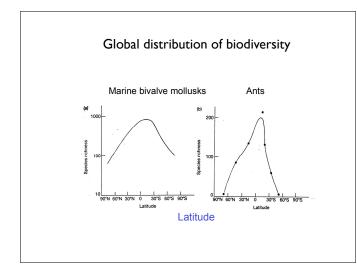
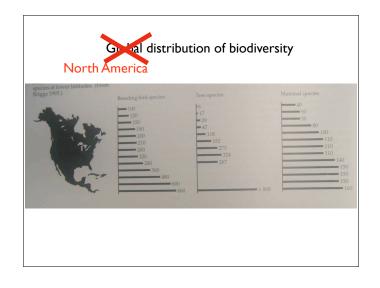
Biodiversity distribution

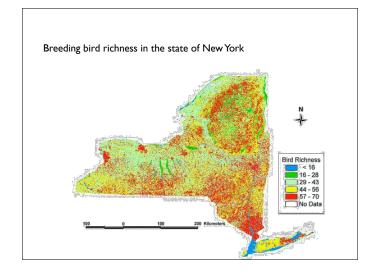
Kingdom	Phylum (Division)	Number of described species	Estimated number of species	Percent described
Monera	Viruses and bacteria			<1%?
Protista		100,000	250,000	40.0
Fungi	Eumycota	80,000	1,500,000	5.3
Plantae	Bryophyta Tracheophyta	14,000 250,000	30,000 500,000	46.7 50.0
Animalia	Porifera Cnidaria Ctenophora Platyhelminthes Nemertea Gastrotricha	5,000 10,000 100 25,000 900 500		
	Kinorhyncha Priapulida Entoprocta Nematoda	100 16 150 20,000	1,000,000	2.0
	Rotifera Annelida Arthropoda	1,800 75,000 1,250,000	20,000,000	5.0
	Mollusca Sipunculida Echiurida Pogonophora Ectoprocta	100,000 250 150 145 5,000	200,000	50.0
	Phoronida Brachiopoda Hemichordata	70 350 ⁶ 100		
	Chateognatha Echinodermata Urochordata	100 7,000 1,200		
	Chordata	40,000	50,000	80.0

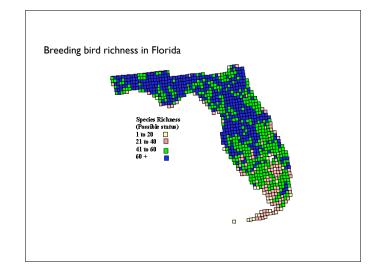


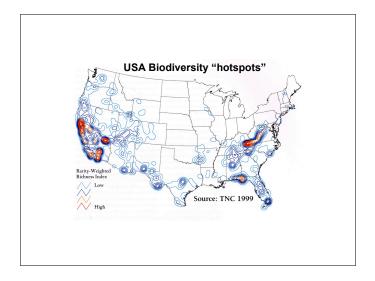


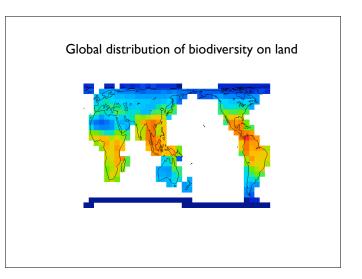


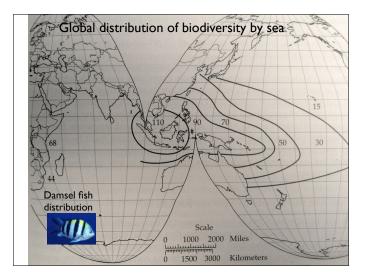


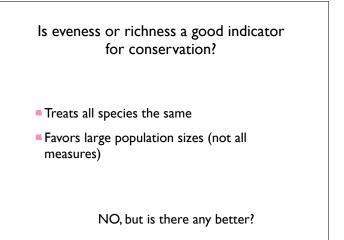


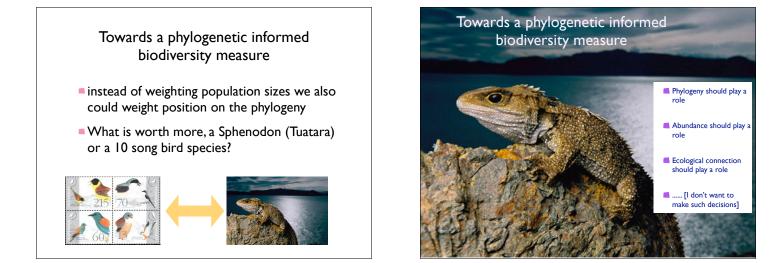


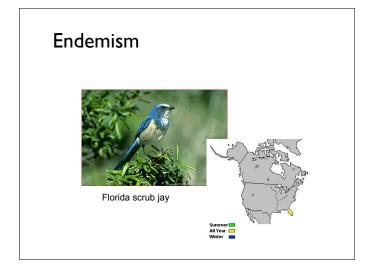


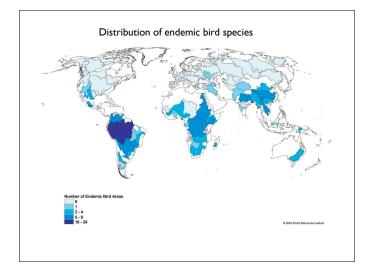


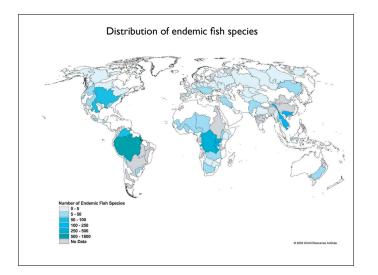


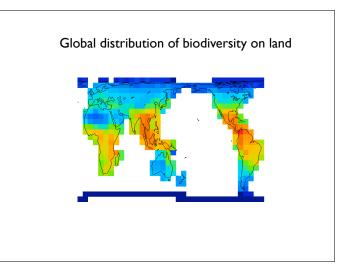






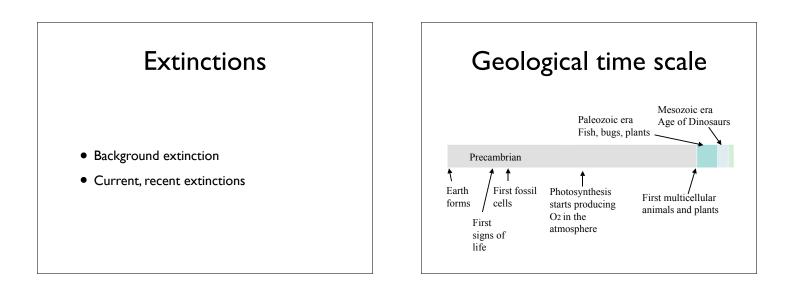


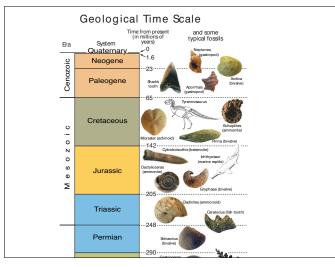


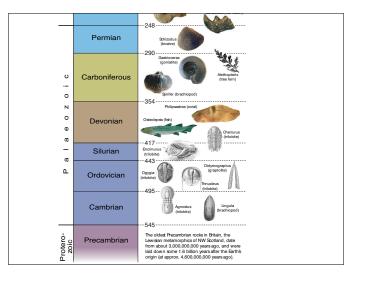


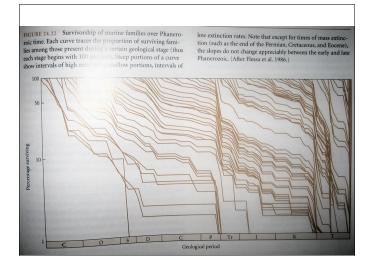
_	
Taxon	Correlation of richness with endemism
Mammals	.81
Lasioglossum (bee)	.85
Papilionidae (butterflies)	.7
Plusiinae (moths)	.77

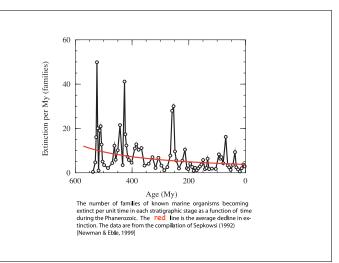


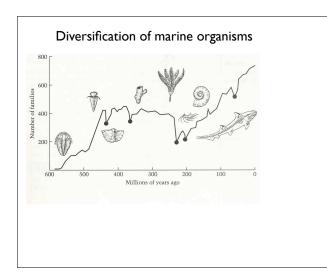


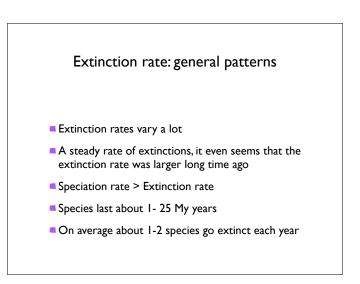


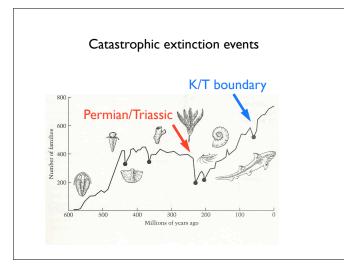


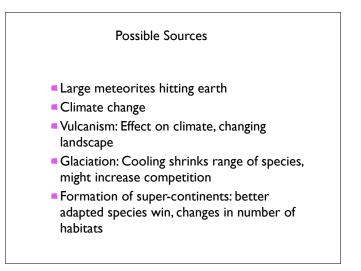


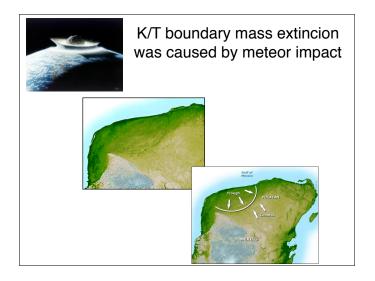


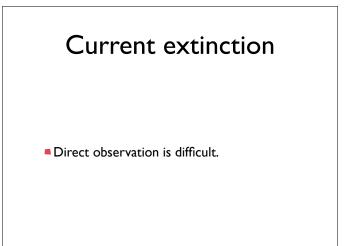


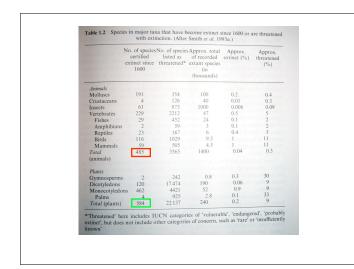












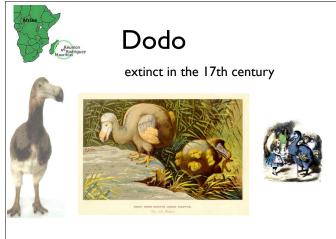
How sure are we about these numbers? Obviously not very sure, because citing the same sources authors arrive at different numbers.

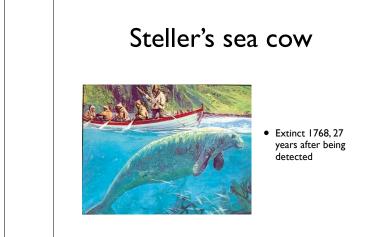
Table 2.1 Extinctions recorded since 1500 A.D. "Extinct in wild" indicates that individuals of

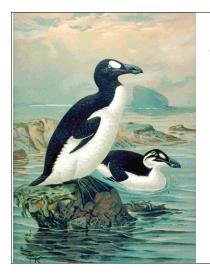
 the species continue to exist, but only in captivity (e.g. zoos or captive breeding programs). Data

 from (IUCN 2004).

	# Extinct	# Extinct in wild
Animals	697	36
Plants & algae	87	24
Total	784	60







Great Auk

- hunted for fat and feathers
- extinct 1844

Passenger pigeon



- Many millions during 19th century
- Last died in the Cincinnati Zoo in 1914



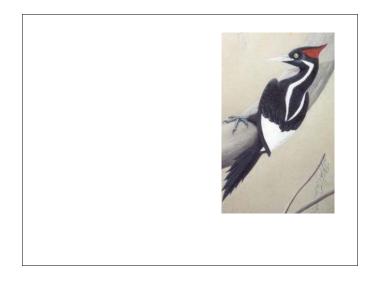






Gastric brooding frogImage: Strain of the strain of

Species name	Common name	Date	# yrs since
		rediscovered	last sighting
Dipsochelys hololissa	Seychelles giant tortoise	1997	>150
Pterodroma cahow	Bermuda petrel	1951	>300
Perameles bougainville	Western barred bandicoot	1983	61
Trichocichla rufa	Long-legged warbler	2003	109
Gastrolobium lehmannii	Cranbrook pea	2001	83
Hapalopsittaca fuertesi	Fuertes's parrot	2002	91
Hypsiprimnus gilbertii	Gilbert's potoroo	1994	85
Sida inflexa	Virginia pine sida	1999	31
Lepidoptrix (formerly Pipra) vilaboasi	Golden crowned manakin	2002	45



Measuring Current Extinctions

Direct observation are difficultIndirect observation: species - area relationship

