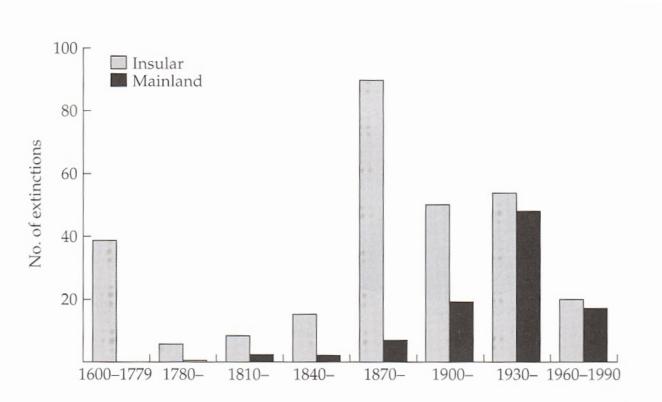
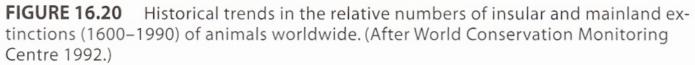
Historical Human-Caused Extinctions





Lomolino et al., 2006

- Why the earlier extinctions on islands?
- Why the decline in extinctions in more recent years?

Species Threatened with Extinction

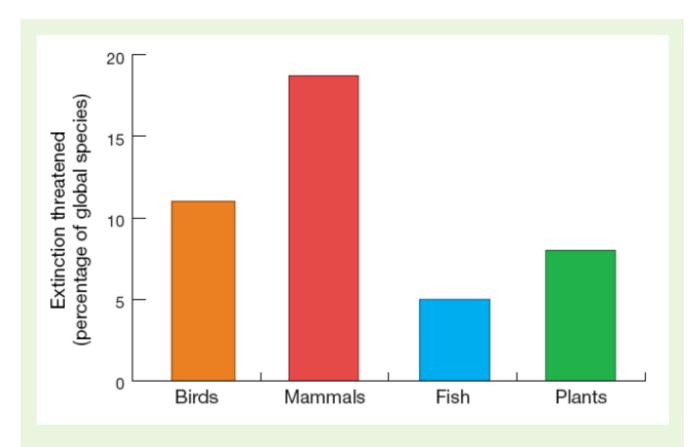
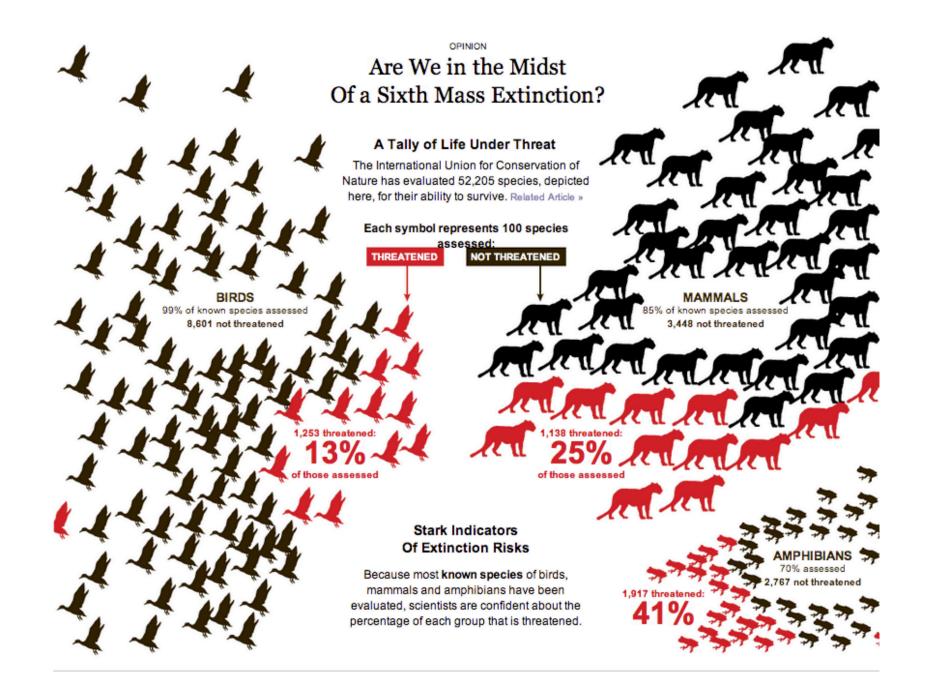
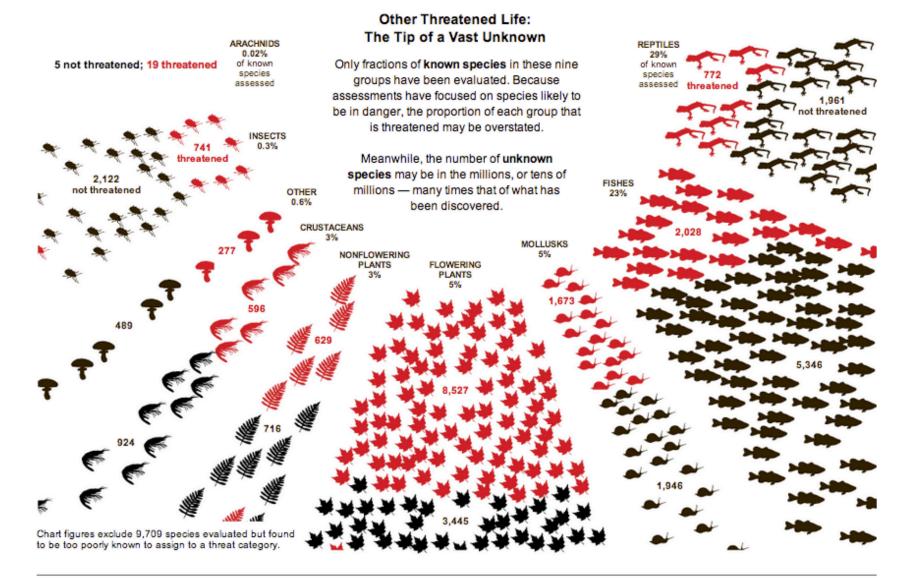


Figure 2 Proportion of the global number of species of birds, mammals, fish and plants that are currently threatened with extinction⁴.

Chapin et al., 2000; Pimm et al., 1995





Already Gone	Mollusks	Birds	Flowering plants	Mammals	Fishes	Insects	Amphibians	Reptiles	Crustaceans	Nonflowering plants	Others	No known arachnid
Species known to be extinct, or extinct in	Ì	2	\$	land	222	St	\$\$		A.	đ	T	extinctions.
the wild, since 1500:	327	136	110	79	68	60	39	22	12	10	2	

Biogeography

Bill Marsh, NY Times, 2012

Prof. J. Hicke

Why are extinctions occurring?

Plants: Causes of endangerment

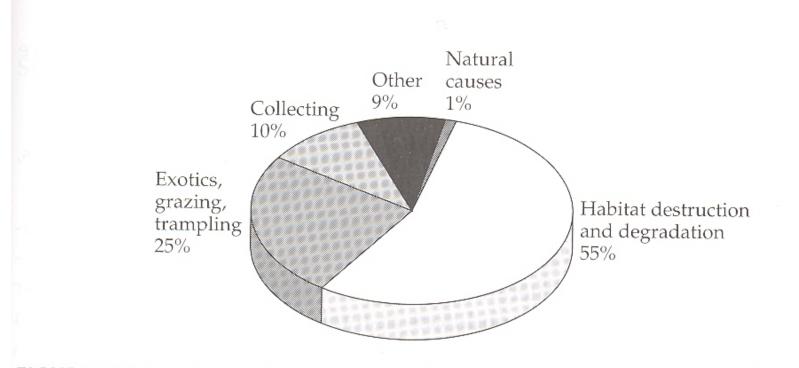
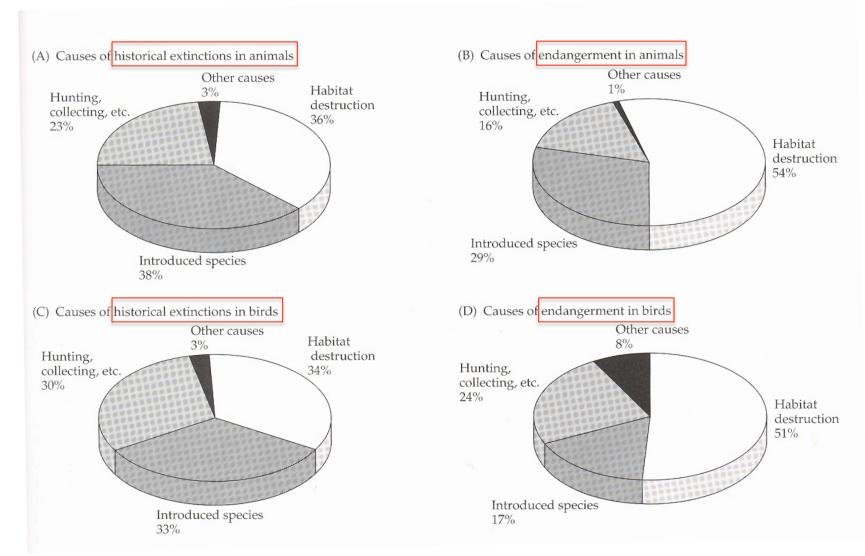


FIGURE 16.22 Causes of endangerment for plants of the United States. (After Schemske et al. 1994.)

Lomolino et al., 2006

Biogeography

Why are extinctions occurring?



Lomolino et al., 2006

Biogeography