

Book is about planetary repair and maintenance bills - to keep systems functioning.

xi Economics & Ecology - have semantic root in common

xi "Earth Keeping"

xiii Carl Paul Ehrlich - "A World of Wounds"

xv - The importance of setting up positive economic incentives for conservation cannot be overemphasized.

4 Scale of Human Activity Grown so - Affect Basic Systems
Montreal Protocol - ozone - Kyoto

Most ecosystem services - so vast - could not be replicated by technology

Now we have the power to fuck things up

Atmosphere (3) Carbon Cycle, Nitrogen Cycle, Ozone layer

7) Carbon cycle 280 to 350 - going higher
Nitrogen cycle even more affected by man

9) Doubling of Atmospheric CO₂ level within lifetime of youngs ten today

⊗ Chapt I - great Scum in air

10) Humans use 50% of renewable accessible freshwater falling on land

(640% of photosynthetic product) So what about the next doubling.

⊗ that Wipes out the rest

17% of Arable Land Degraded

We have destroyed everywhere else

12 on to Biodiversity - Asian Rice story - 1 strain saved from - it would have been lost soon after to a dam.

13 Biosphere II - failed

24 - Co Market on denation of the market is through prices

1474-1974 oil use per unit of output fell 40%

21 Price (invisible hand) only aligns private and public interests. If private and social costs are equal.

32 Unaided markets will not lead to efficient use

If difference between private & social costs

- ? public good?

33 - Cutting Forests has social costs that exceeds private costs

Public goods - used unwisely also undermines real efficiency

34 - Taxes & Subsidies should be used to make private cost equal social costs

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