

## **Ecosystem Services: Benefits Supplied by Natural Ecosystems**

- Purification of air and water
- Mitigation of droughts and floods
- Generation and preservation of soils
- Cycling and movement of nutrients
- Partial stabilization of climate

ESA Issues in Ecology, #2, 1997



## **Ecosystem Services: Benefits Supplied by Natural Ecosystems**

- Maintenance of biodiversity
- Pollination of crops and natural vegetation
- Dispersal of seeds through the landscape
- Control of the vast majority of potential agricultural pests
- Aesthetic beauty and intellectual stimulation for the community

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Secuary	ound in Traps
Amelanchier	Nyssa
Ampelopsis	Parthenociseus
Aralia	Prunus
Celastrus	Quercus
Celtis	Bhus
Cornus	Rosa
Eleagnus	Rubue
llex	Sambucus
Juniperus	Sassafras
Lindera	Smilax
Liriodendron	Solanum
Lonicera	Taxus
Malue	Toxicodendron
Morus	Viburnum
Myrica	Vitis
Acer	
Allan	thus







Number of Genera	Number of Species	Number of species found at each site Restored sites   Remnant habitats					
n coenera	or species	1	2	3	1	2	3
35	121	51	53	30	62	21	80
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Restoration and Scientific Progress Reproductive ecology (numbers, genetics) Community assembly (tempo, sequence) Biotic invasions (species, impact) Interactions among populations (movement of species)

Restoration and Public Needs Partner to conservation Buffering natural populations Supporting ecosystem processes Habitat links and corridors Learning management needs for preserves

