



Total Economic Value

Use Values

Non-Use Values

Direct Use Values

- crops
- timber
- fuelwood
- recreation

Ecological Function Values

- flood control
- climate
- nutrient cycles
- waste assimilation
- microclimatic functions

Option Values

- future drugs
- genes for plant breeding
- options for other use values

Existence Values

- satisfaction that resource is there
- culture
- heritage

Bequest Values

- altruistic
- between generational equity

The nature of total economic value (after Young 1992, after Barbier 1991)

Ecological Function Values



Gas Regulation	Provides clean, breathable air; disease prevention; and a habitable planet
Climate Regulation	Maintenance of a favorable climate
Disturbance Prevention	Prevents and mitigates natural hazards and natural events
Soil Retention	Maintains arable land, prevents damage from erosion and promotes agricultural productivity
Water Regulation	Provides natural irrigation, drainage, channel flow regulation and navigable transportation
Biological Control	Provides pest and disease control, reduces crop damage
Waste Treatment	Pollution control/ detoxification; filtering of dust particles through canopy services
Pollination	Pollination of wild plant species and harvested crops
Nutrient Regulation	Promotes health and productive soils and water regulations