

Economic Value of Water in the Green River Basin

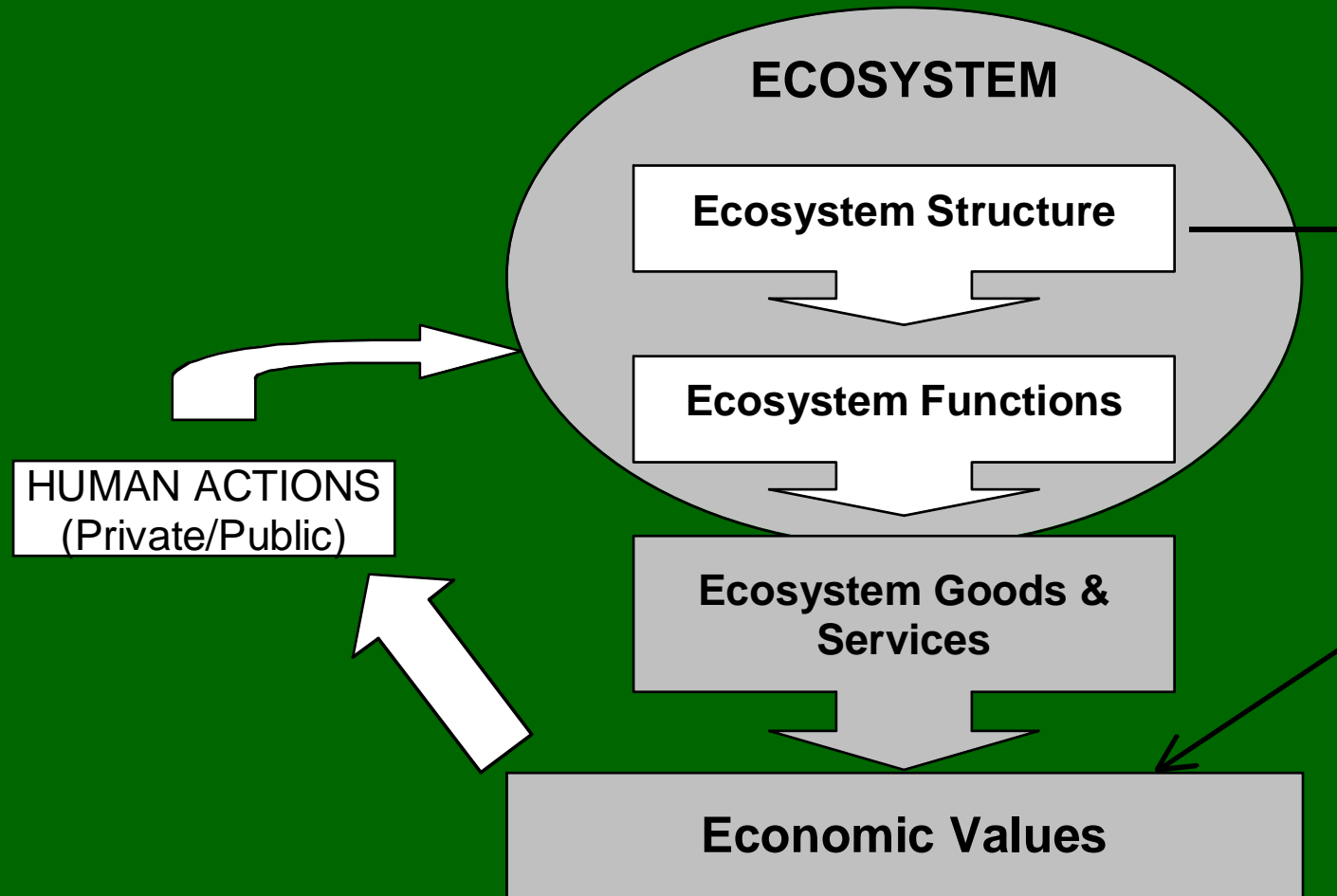
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Major Elements

1. Values of water in Wyoming
2. Independent, broad perspective
 - a. Not linked to projects or policies
 - b. All water-related goods and services
 - c. All relevant literature and data
 - d. Dispersed case studies
3. Products: final report and participation in symposium

Ecosystems & Economic Values



Ecosystem Functions ...

- 1 Production and regulation of water.**
- 2 Formation & retention of soil.**
- 3 Regulation of atmosphere & climate.**
- 4 Regulation of disturbances.**
- 5 Regulation of nutrients and pollution.**
- 6 Provision of habitat.**
- 7 Production of food.**
- 8 Production of raw materials.**

... Ecosystem Functions

- 9 Pollination.
- 10 Biological control.
- 11 Production of genetic & medicinal resources.
- 12 Production of ornamental resources.
- 13 Production of aesthetic resources.
- 14 Production of recreational resources.
- 15 Production of spiritual, cultural resources.
- 16 Production of scientific, educational resources.

Analysis of Values

Direct Use

- Native hay meadow & crop irrigation
- Hydropower
- Industrial processes
- Domestic & urban water
- Recreation
- Tourism
- Science & education

Indirect Use

- Groundwater recharge
- Return flows
- Fish & wildlife habitat
- Sustenance of riparian areas & wetlands
- Aesthetics
- Flood control
- Bank stabilization

Nonuse

- Cultural heritage
- Quality of life
- Resources for future generations
- Existence of species
- Existence of wild places