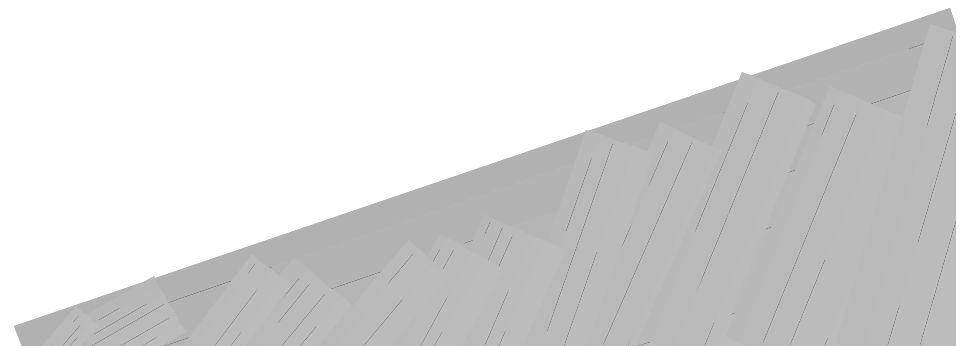
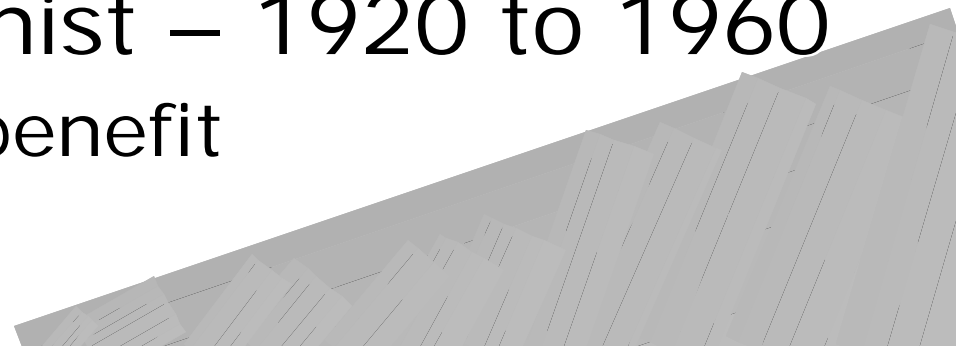


Need For Environmental Regulations



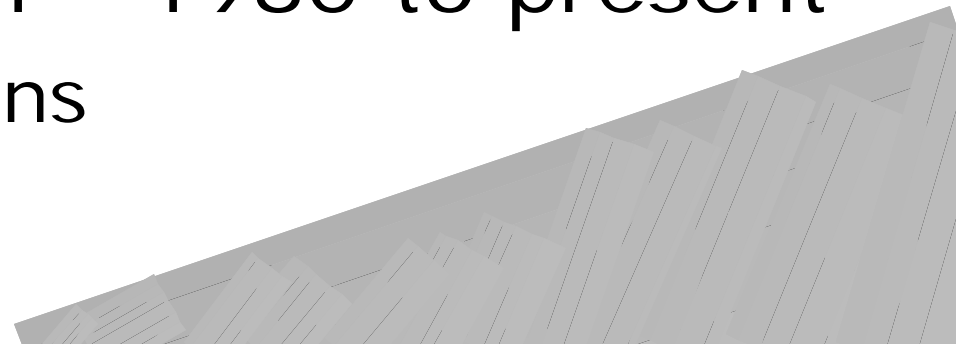
History of American Environmental Movement

- ◆ Dominance – 1600 to 1900
 - Nature is hostile
- ◆ Early Awakening – Mid 1800's
 - Initial concern for wildlife preservation
- ◆ Early Conservationist – Late 1800's to 1915
 - National Park Service
- ◆ Later Conservationist – 1920 to 1960
 - Maximize human benefit



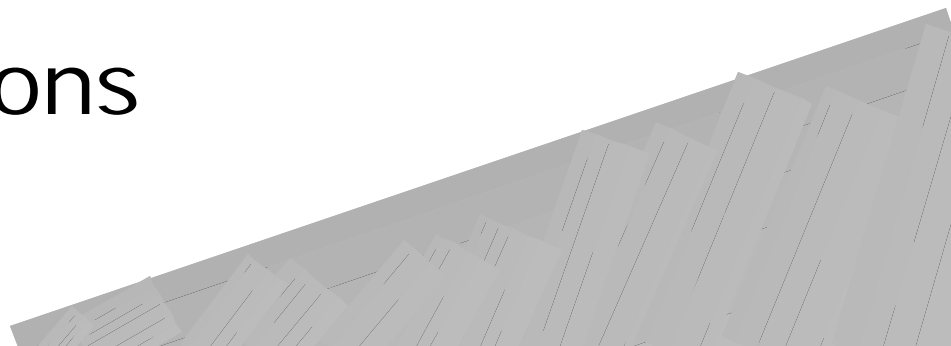
History (continued)

- ◆ Reawakening – 1960 to early 70's
 - Major environmental laws
- ◆ Complacency – mid 1970's
 - Environmental not driving political force
- ◆ Reagan Revolution – 1980 to present
 - Roll back regulations



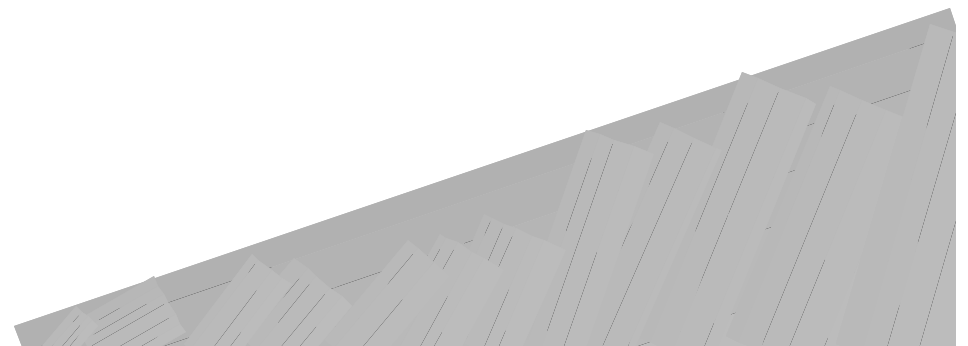
Need for Regulations

- ◆ Early History of Country
 - Conquer nature
 - Belief no conflict between growth and resource management
- ◆ Born with Life, Liberty, Private Property
- ◆ Free Market – Externalities
- ◆ Tragedy of Commons



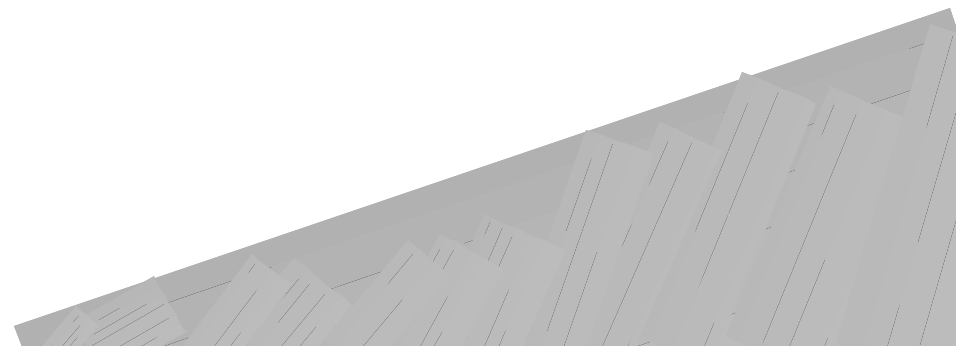
Free Market Economy

- ◆ Maximize utility of resources
- ◆ Economics is amoral
- ◆ Imperfect in account for Externalities



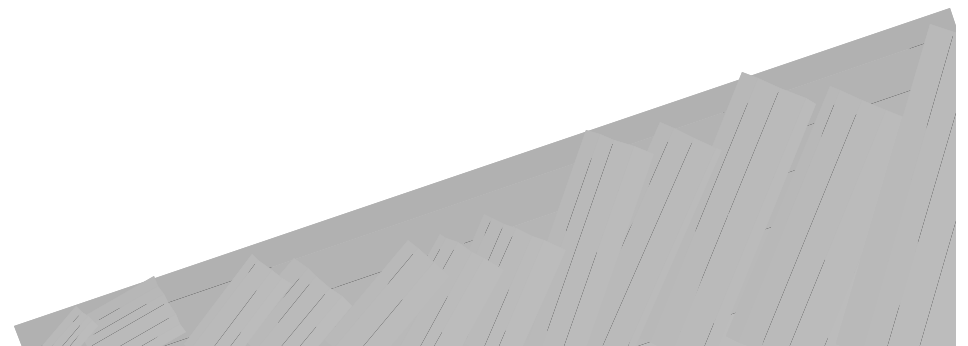
Tragedy of Commons

- ◆ Garrett Hardin – 1968 article in *Science*
- ◆ Society using common area
- ◆ Rational person will maximize use
- ◆ Benefit = 1
- ◆ Cost = $1/n$
- ◆ Exceed carrying capacity
- ◆ Ecosystem crashes

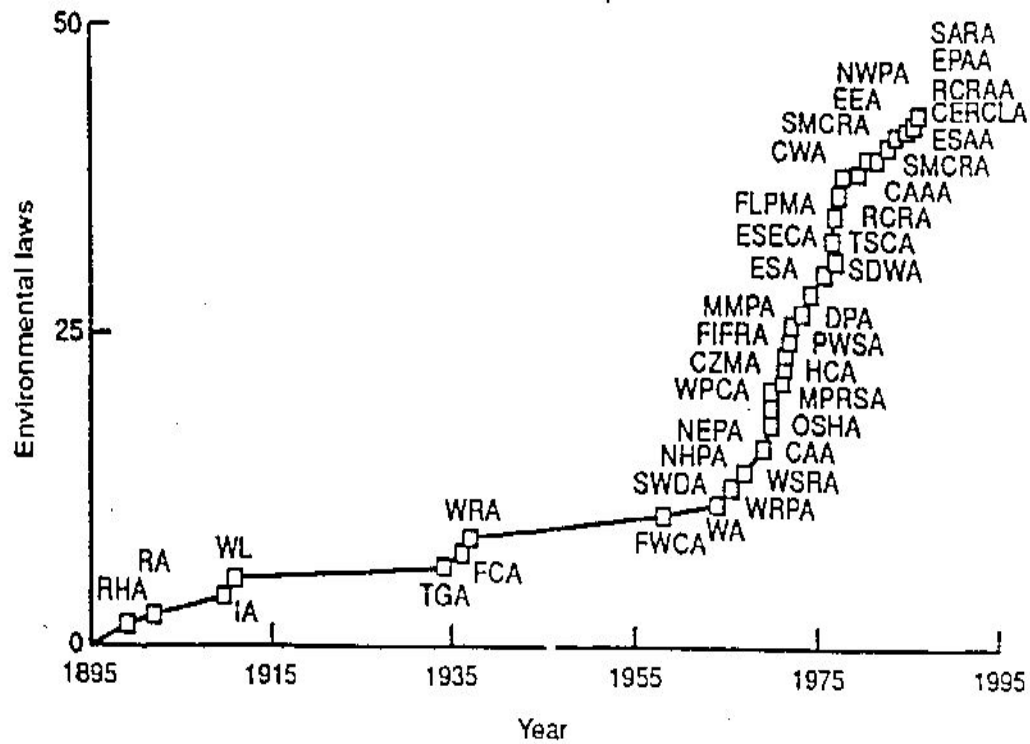


Non-Regulatory Control of Environmental Issues

- ◆ Change Community Norms
- ◆ Privatize Lands for Protection
- ◆ Market Forces
- ◆ Common Law Liability



Growth in Regulations



History of Environmental Laws

- ◆ 1800 to 1900 – Promote Development
- ◆ 1900 to 1970 – Directions to Federal Agencies
- ◆ 1970 to Present – Directions to Individuals

