

# ECONOMIC CONTRIBUTIONS OF THE SPRNCA

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# SPRNCA's Economic Contributions

- Market contributions
  - Grazing
  - Recreation
- Ecosystem services (non-market values)
  - Water
  - Carbon sequestration and storage
  - Biodiversity
  - Cultural services

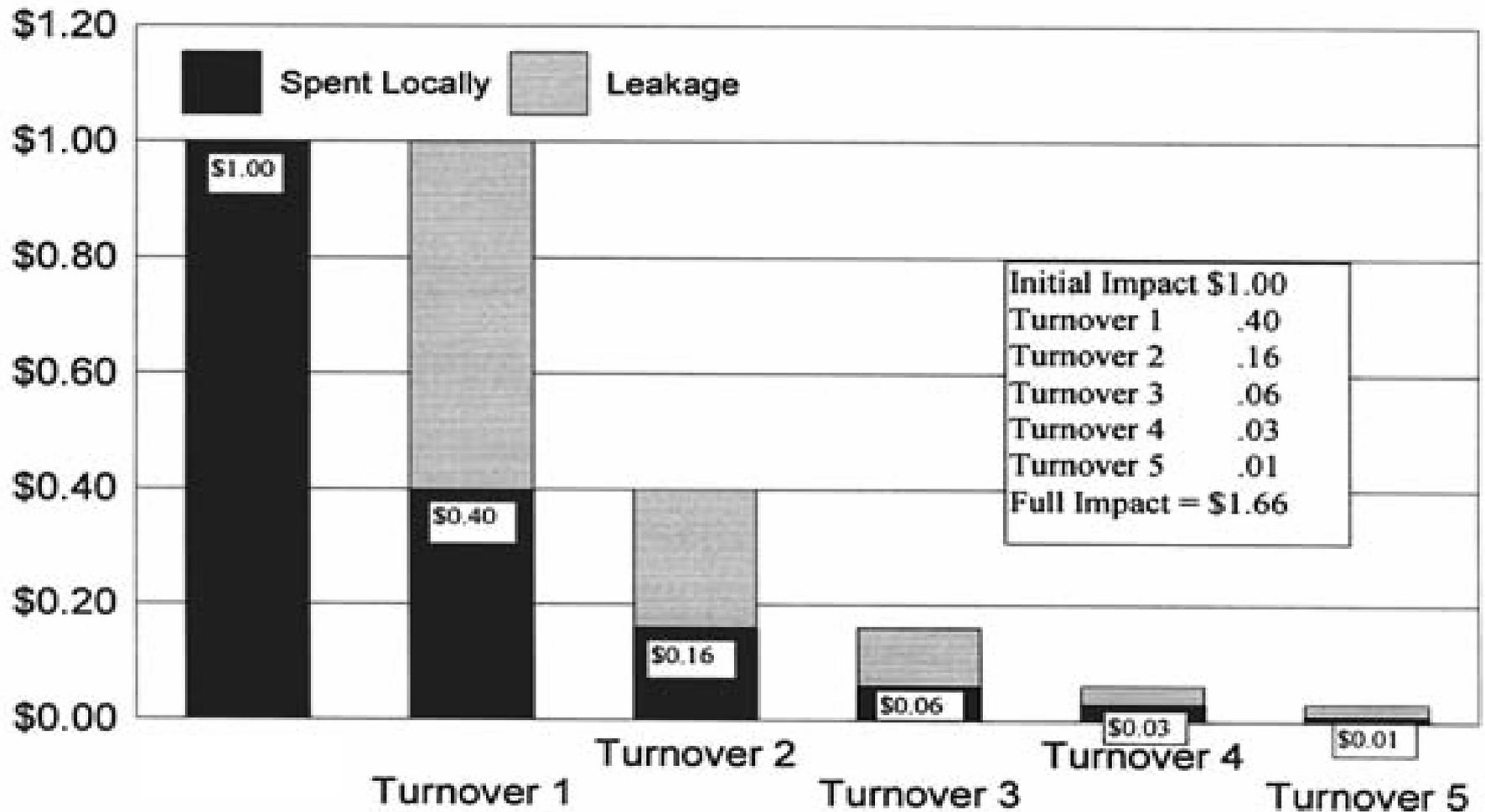


# Market Contributions

# Input-Output Analysis



# Regional Economic Multipliers



Source: Western Rural Development Center

# Grazing

- Approximately 264 AUMs within NCA boundary
- Supports 1 job and \$11,000 in labor income annually



# Recreation

- 117,000 annual visits (5-year average)
- Visitors spend money on travel, food, accommodations, etc.
- Most visitors from outside the local area
- Supports 188 jobs and \$4,752,000 in labor income annually





# Ecosystem Services

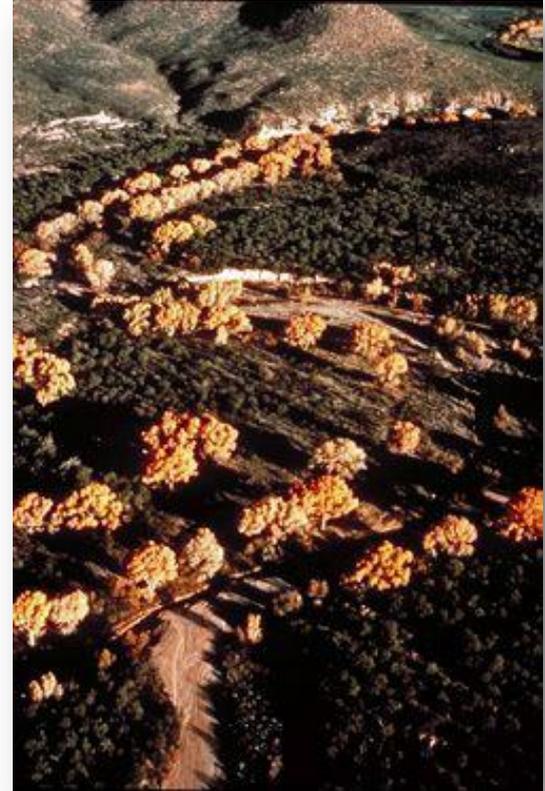
# Water

- Within the watershed, San Pedro River used for domestic supply, irrigation, mining, supports upland and riparian ecosystems (not specific to SPRNCA)
- Water within SPRNCA has recreation, aesthetic, and biodiversity values



# Carbon Sequestration and Storage

- Remove atmospheric CO<sub>2</sub> and store in soil and vegetation
- Market prices uncertain and unstable; social cost of carbon



# Biodiversity

- Biodiversity supports bird watching, wildlife viewing, and hunting in SPRNCA
- Studies on economic value of birding in SPRNCA (Orr and Colby 2002; Colby and Orr 2005; Brookshire et al 2010)



# Cultural Services

- “Non-material benefits...spiritual enrichment, cognitive development, reflection, recreation, aesthetic experiences” (MEA 2005)
- Viewsheds and open space affect property values
- 11 tribes have connections to San Pedro River; non-monetary values

