

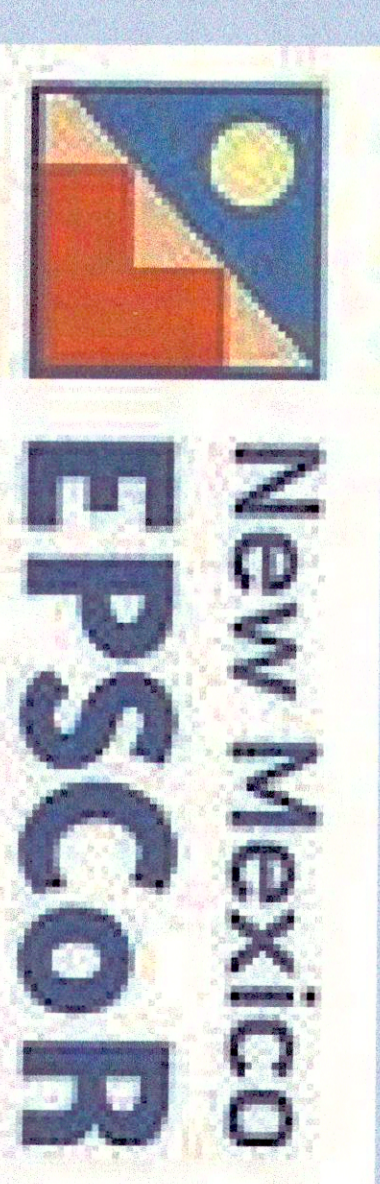
Monitoring the Effects of Restoration and Management On Water Cycles and Nutrients

Seed Research Grant funded by NM EPSCoR 2012



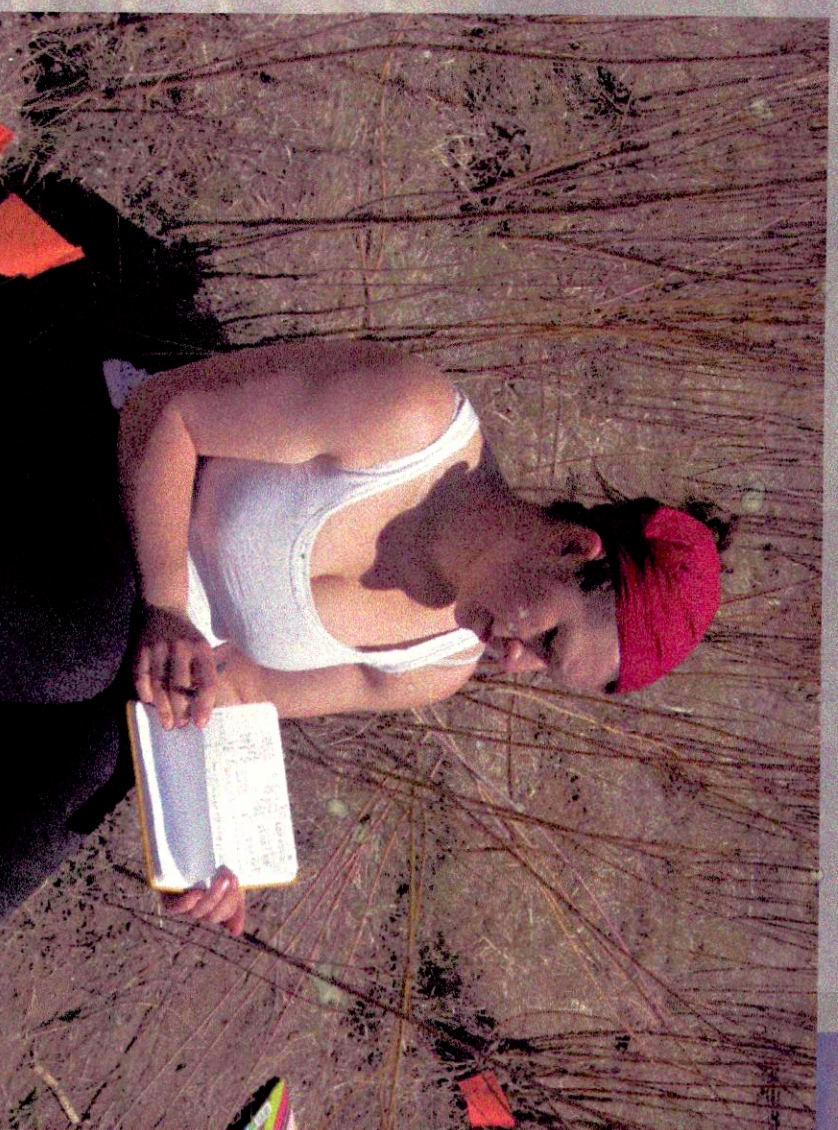
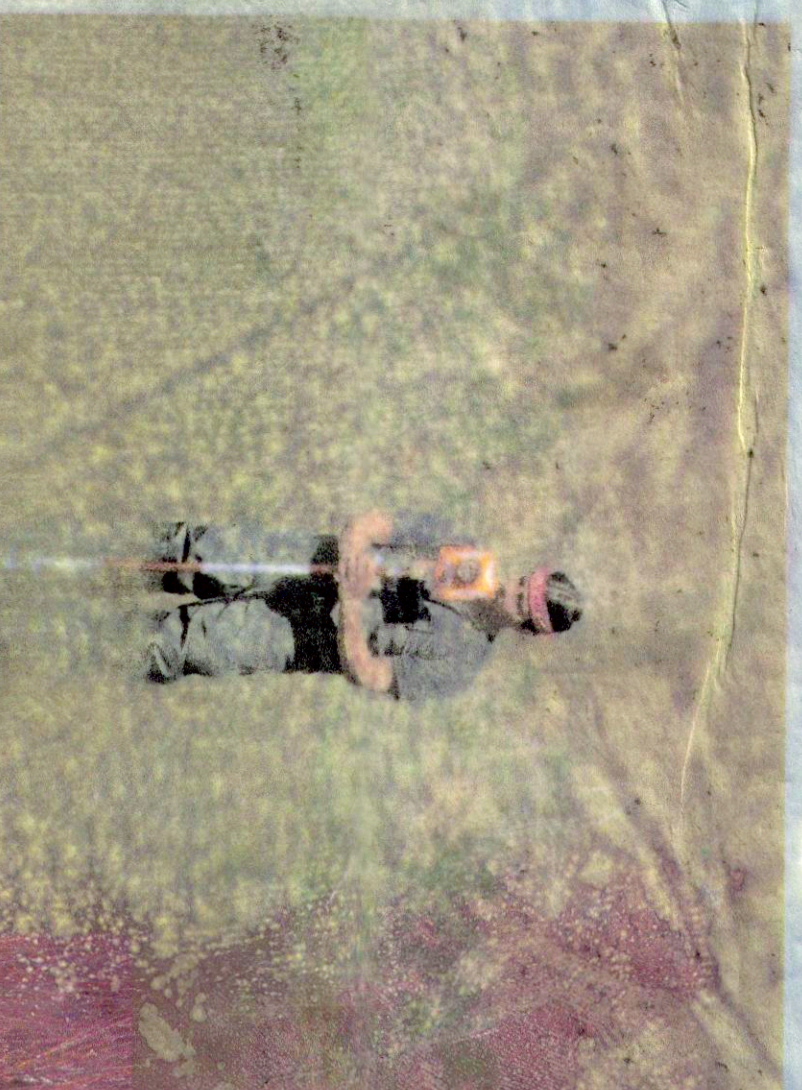
NEW MEXICO
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Impacts of juniper encroachment on hydrologic systems in western grasslands and woodlands

- Tree ring chronologies
- Historic and current tree densities



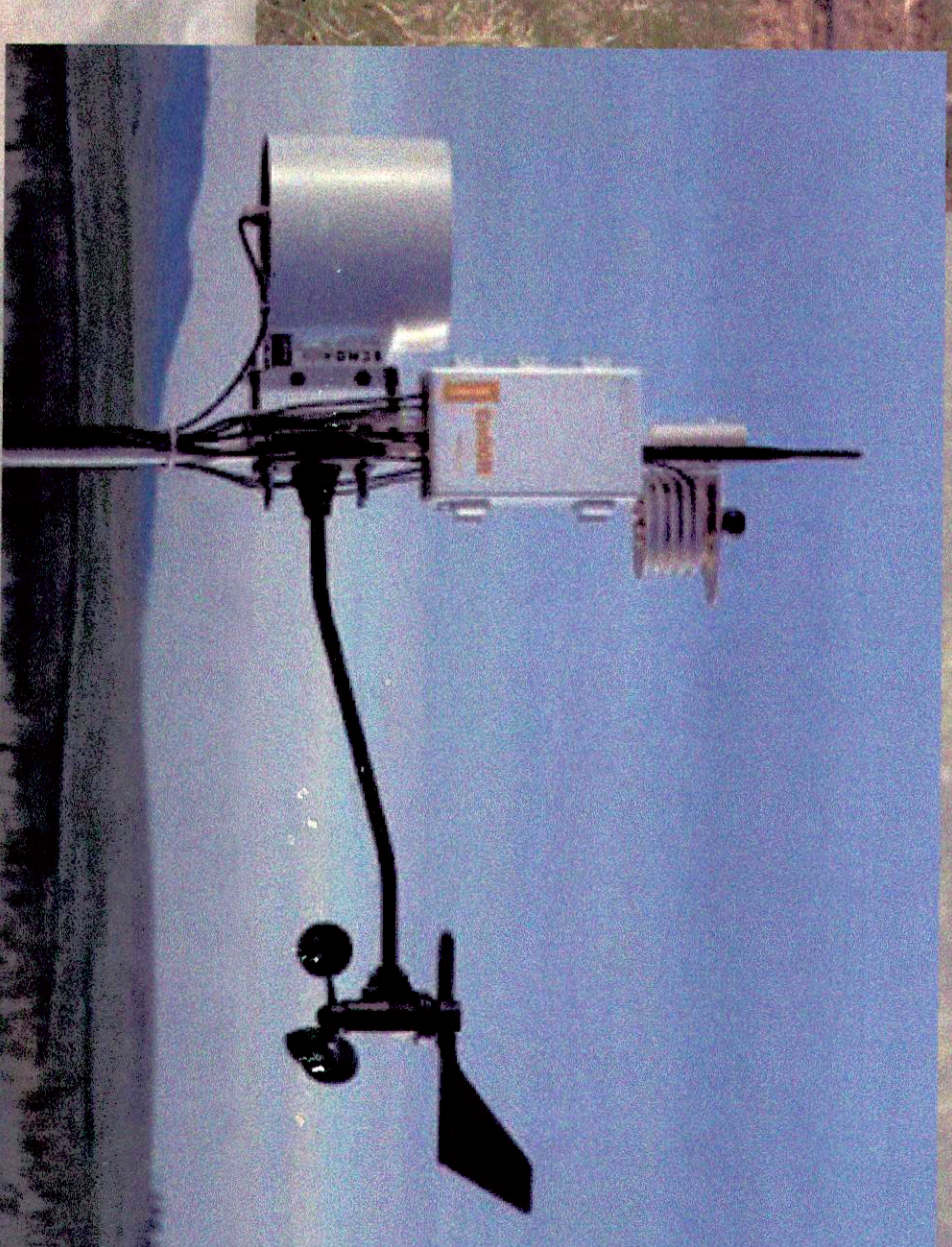
Effects of management and restoration on water budgets

- Total precipitation
- Soil moisture
- Ground water levels
- Stream morphology



Distribution, fate, and impact of aquatic pollutants

- Stream flow
- Temperature,
- pH,
- Conductivity,
- Nutrients
- Dissolved oxygen, and turbidity



Comparisons of restored and unrestored reaches