

Tree Ring Extension of Hydrological Records for Selected Eastern Nevada Valleys: Building the Dataset

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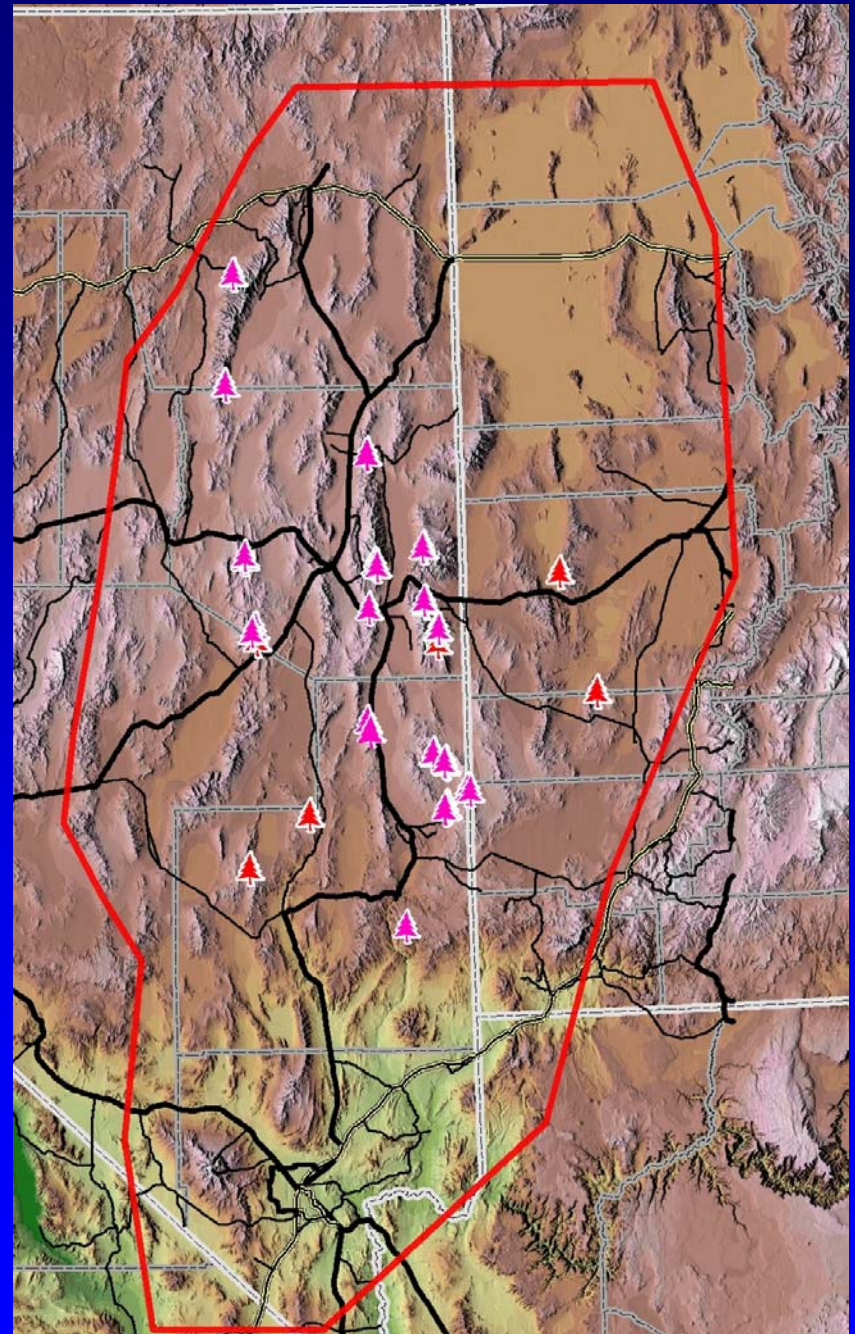
Long-Term Objective: Propose Best Management Options Under Potential Future Climate Change Scenarios

Cooperative: SNWA, UNR, DRI

- Identify Worst-Case Drought Scenarios
- Estimate Impact on Surface- and Groundwater Supplies
- Timeframe of Concern: Expected Lifespan of Infrastructure (~50-100 Years)

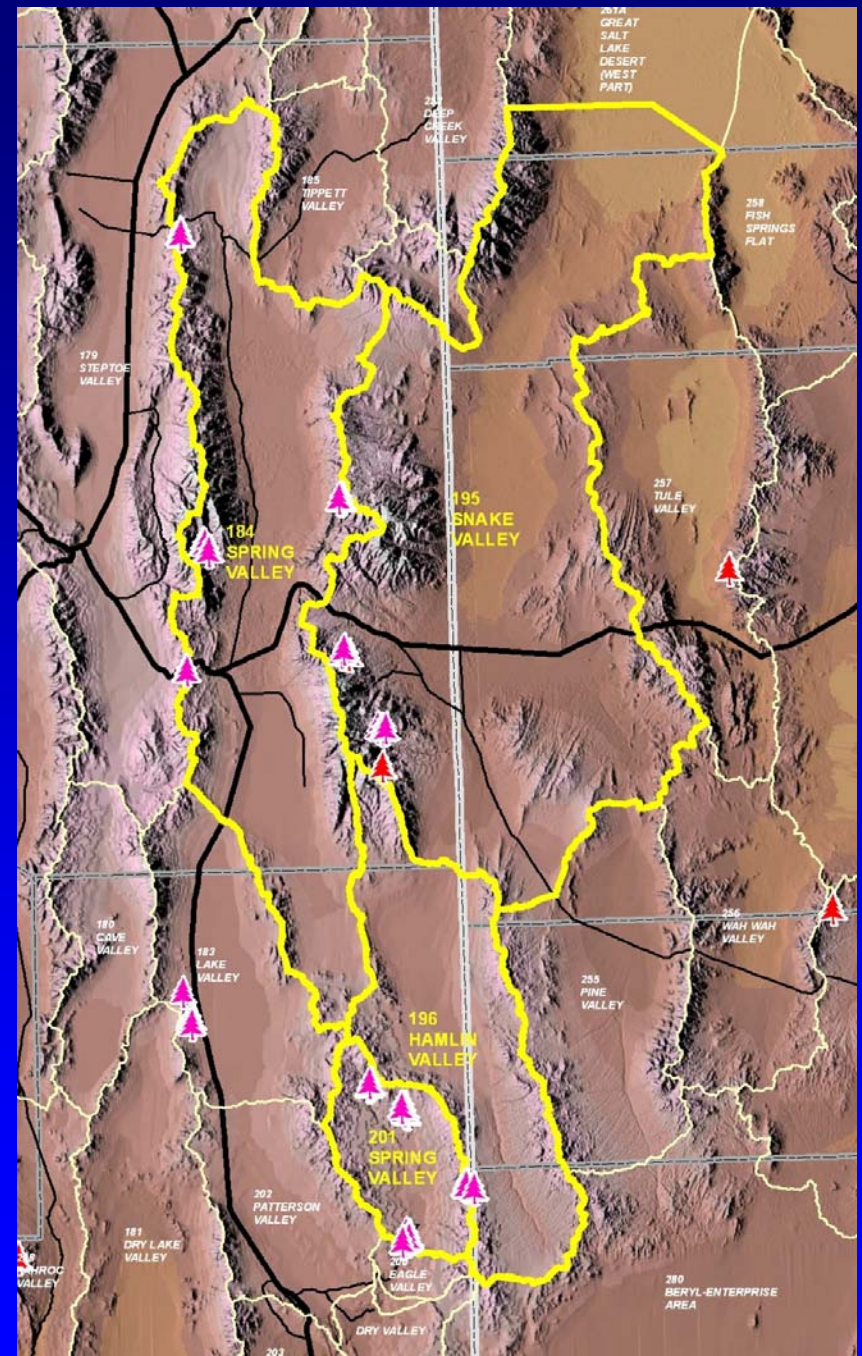
Two-Year Program

- Identify Drought Periods
 - Severity
 - Duration
 - Timing
 - Spatial Distribution
 - Compare to Colorado Basin
- Estimate Precipitation
- Surface Water Runoff
- Propose (Ground) Water Management Strategies



Initial Focus: Spring, Snake, & Hamlin Valleys

- Develop Tree Ring Chronologies
- Infer Basin Hydrologic Response
- Extend to Eastern Nevada Region



NOTE: Franco Biondi's portion of this presentation will be added soon