

# Lower Colorado River Multi-Species Conservation Program



*Balancing Resource Use and Conservation*

## Habitat Monitoring



# Purpose

- Measure changes in Land Cover Types over time
- Monitor habitat requirements for targeted covered species
- Provide data for AMP
- Determine credit for Conservation Measure Accomplishment

# Vegetation Monitoring

- Survivorship (Year 1-2)
  - Methods
    - Sample transects 4-6 weeks after planting
    - Sample transects after dormancy sets

- Habitat Characteristics (Year 3+)

- Methods

- Determine Land Cover Type
    - Stratified random sample
    - Fixed plots/polyreal plot sampling designs
      - Overstory trees (>12.7cm DBH) – 11.3m radius plot
      - Sapling/Shrub – 5.0 m radius plot
        - » >1.37m ht; >8.0cm DBH – measure
        - » >1.37m ht; <8.0cm DBH – tally
      - Understory/Herbaceous - Daubenmire

# Abiotic Monitoring

- Soil Sampling
- Microclimate
  - Temperature/RH
  - Soil Moisture