

**Data task group  
Conservation Committee  
Republican River Compact Settlement  
October 2, 2003 Draft**

**A. General types of relevant data available**

1. Potential data sources
  - a. NRI – Terraces/Tillage
  - b. SURGO data base - Small reservoirs
  - c. Digital Orthroquads
  - d. State Inventory of Dams
  - e. RRCA Model: Input and output data
  - f. CTIC – Tillage
  - g. Satellite/Aerial Photos
  
2. Non-Federal Reservoirs data needs *(we all have)*
  - a. Surface area of reservoirs
  - b. Reservoir Volume
  - c. Reservoir type (use)
  - d. Condition of reservoir (% silted in, breached, etc.)
  - e. Reservoir location
  - f. Contributing Drainage Area
  - g. Date Reservoir Constructed/retired
  
3. Land Terraces data needs
  - a. Surface area of land terrace
  - b. Land terrace type
  - c. Condition of Terrace (% silted in, replaced with sprinkler irrigation, etc)
  - d. Land terrace location
  - e. Contributing Drainage Area
  - f. Date Terrace Constructed/retired or replaced with sprinkler irrigation.
  
4. Soil Characteristics
  - a. Permeability
  - b. Hydrologic group
  - c. Soil water holding capacity
  
5. Geologic Characteristics
  - a. Presence and distribution of aquitards or aquicludes
  
6. Drainage Characteristics
  - a. Slope Percent or Degree
  - b. Slope Length
  - c. Topographic characteristics

7. Streamflow Records

- a. Total stream flow
- b. Baseflow
- c. Surface Flow (non-baseflow)

8. Precipitation

- a. Amount
- b. Timing
- c. Frequency
- d. Intensity
- e. Location

9. Evaporation/Evapotranspiration

- a. Climatic data
- b. Pan Evap
- c. RRCA Model

10. Landuse / Landcover

- a. Past Cropping Patterns
- b. Current Cropping Patterns
- c. Future Cropping Patterns
- d. Tillage practices

**B. Basin wide data availability and assessment of accuracy and precision of that data**

- 1. RRCA Model (data has been verified and accepted)
- 2. Sampling and Ground Truthing
- 3. Statistical tests
- 4. Missing data will need to be addressed (fill in holes)

**C. Data standards**

**D. Additional data needs**