

## SUMMARY OF ENGINEERING METHODOLOGY

### BACKGROUND INVESTIGATION

- Reviewed State Water Board Decision D1196 and subsequent orders of the State Water Board related to the Kern River
- Reviewed the determination of forfeiture in the *North Kern* judgment
- Reviewed the official records of the hydrology, flow, diversion and use of the Kern River system
- Toured the Kern River and its major water measurement, diversion and conveyance facilities
- Considered the Key Issues identified by the State Water Board

### EVALUATION

- Assessed the water supply characteristics of the Kern River through a review of the historical records
- Considered whether the *North Kern* judgment created any new supply of water not considered in Decision D1196
- Employed three-step methodology to determine whether the Kern River remains fully appropriated under the *North Kern* judgment
  - Step 1: Analyzed baseline water supply conditions on the Kern River (January and August-December, 1964-2008) – Table 1
  - Step 2: Quantified decreases in water use by Restricted Rights under the *North Kern* judgment – Table 2
  - Step 3: Assessed whether the *North Kern* judgment changed baseline water supply conditions on the Kern River – Table 3

### SUMMATION OF RESULTS

- Preparation of written testimony and exhibits
- Statement of conclusions