

## Water Quality Objective Statements

Provide good water quality for all beneficial water users.

The major objectives can be categorized as follows:

- A. Provide good water quality in Delta water exported for **Drinking Water** needs.
  - 1. **Reduce** the level of water quality parameters of **Concern to Human Health** in water supply or treat to reduce concern.
  - 2. **Reduce** the water quality parameters that cause **Aesthetic Effects**, in particular concerning taste, odor and appearance in water supply.
  - 3. **Minimize the Cost of Treating** Delta water and continue to meet the existing drinking water quality standards.
  - 4. **Minimize the Fluctuation of Raw Water Quality** to improve water treatment plant operation.
  - 5. **Improve Raw Water Quality** and/or treatment to comply with stricter future drinking water regulations.
  
- B. Provide good Delta water quality for **Agricultural** use.
  - 1. Improve or manage water quality to **Maintain or Improve Agricultural Economic productivity** by reducing water quality contaminants that reduce crop productivity on lands receiving Delta water, reduce cropping choices, or increase costs.
  - 2. Improve water quality or recommend change in irrigation technology to **Minimize Operational Difficulties**.
  
- C. Provide good Delta water quality for **Industrial** use.
  - 1. **Reduce Industrial Treatment and/or Production Costs**.
  - 2. **Minimize the Fluctuation of Raw Water Quality** to improve industrial plant operations.
  
- D. Provide good Delta water quality for water **Recreational** use within the Delta.
  - 1. **Reduce Health Risk** to recreationists.
    - a. **Reduce Health Risk Associated with Body Contact** recreational activities.
    - b. **Reduce Health Risk Associated with Consuming Fish** caught in the Delta.
  - 2. **Improve Aesthetic Conditions** in the Delta, in particular taste, odor and appearance.
  
- E. Provide improved Delta water quality for **Environmental** needs. (see Ecosystem Quality)