

The following rationale was used to determine water, sediment, and tissue ranges:

Ranges for **Water** concentrations were based upon:

- **Adopted Basin Plan performance goals or water quality objectives**  
Central Valley Regional Water Quality Control Board  
San Francisco Regional Water Quality Control Board
- **U.S. EPA 304(a) guidelines/National Toxic Rule numbers**
- **California Department of Fish and Game recommended pesticide hazard assessment numbers**

When basin plan values were not available for a particular parameter of concern, U.S. EPA 304(a) guidelines/National Toxic Rule numbers were used. For pesticides, CDFG numbers were used, when available, because they are specific to the California estuary unlike the EPA numbers. In the event that U.S. EPA 304(a) guidelines/National Toxic Rule numbers are invalidated, refer to the U.S. EPA National Ambient Water Quality Criteria for freshwater aquatic life protection.

Ranges for **Tissue** concentrations were based upon:

- **National Academy of Sciences (NAS)-National Academy of Engineering (1973) values**
- **For Selenium -- San Luis Drain Reuse, Technical Advisory Committee, Selenium ecological risk guidelines**

Ranges for **Sediment** concentrations were based upon:

- **Effect range-low (ERL) concentrations for estuarine and freshwater sediment**