

Summary of Update 2005 Environmental Water Categories and Recommendations

Water Portfolio Categories (and sources of data)

- >**Wild and Scenic Rivers**-state and federal designated rivers and/or river reaches (unimpaired flows or actual flows on a case by case basis)
- >**Delta Outflow**-required (based on D-1641) and actual outflow (Day flow)
- >**Required Instream Water**-minimum required flows based on various binding, legal decisions, judgments and agreements (stream gages, dam operators or power companies-sometimes use largest downstream requirement)
- >**Managed Wetlands (Refuges)**-water applied to wetlands and/or refuges
- >**EWA (Environmental Water Account)**-lump sum of EWA water (CALFED)
- >**E and ET from Native Vegetation** – consumptive use of native vegetation (some attempts were made to calculate per region but estimates are VERY rough) data gaps
- >**Riparian Water Use**-data gaps, staff and budget constraints

Data gaps for Environmental Categories

Unimpaired flows, natural runoff, total stream flow and diversions, riparian water requirements, comprehensive analysis of instream flow needs, ET rates for all types of vegetation, additional stream gages...

Recommendations (see also Volume 1, Chapter 5 and Volume 2, Ecosystem Restoration)

- >DWR, DFG and SWRCB should work together to publish comprehensive assessments of in-stream flow needs on California rivers, similar in scope to studies on the Feather and American rivers. The assessments should identify bodies of water that need improved flows, in terms of volume, timing, duration, etc.
- > The Resources Agency should continue to support development and use of statewide databases, analytical tools and evaluation criteria, such as the Natural Resource Project Inventory and a follow-up to the Legacy project, that can provide information to planners and decision-makers and identify priorities for restoration. This investment should provide a coordinated and comprehensive statewide implementation plan for restoration actions in each region.
- >Develop Water PIE (Planning Information Exchange)
- >Update B-113-3, Vegetative Water Use, 1974
- >Update Bulletin 1, Water Resources of California, 1951