

**Proposed Panel Questions Form
(Due 12 Noon, Wednesday, December 22, 2010)**

**January 6 and 7, 2011 Public Workshop on Draft Technical Report
on the Scientific Basis for Alternative San Joaquin River Flow and
Southern Delta Salinity Objectives**

California Water Impact Network and California Sportfishing Protection Alliance request that the following prioritized questions be addressed in the above workshop:

PRIORITY	QUESTION DIRECTED TO:	PROPOSED QUESTIONS FOR PANEL ON THE HYDROLOGIC ANALYSIS OF THE SAN JOAQUIN RIVER BASIN
1	Entire Panel	Should use of unimpaired flow regimes as a management tool be employed for just parts of the year, or all year round? What are the benefits and problems of this approach?
2	Entire Panel	What are the lessons to be gained by the State Water Board from the San Joaquin River Restoration Program?

PRIORITY	QUESTION DIRECTED TO:	PROPOSED QUESTIONS FOR PANEL ON THE SCIENTIFIC BASIS FOR DEVELOPING ALTERNATIVE SAN JOAQUIN RIVER FLOW OBJECTIVES
1	Entire Panel	What are the temperature and pulse flow needs of migratory fish on the major tributaries and the upper San Joaquin River (i.e., the river above its confluence with the Merced River)? Should flow and temperature ranges or absolute ceilings be established that are appropriate to various life stages and movements? What should they be?
2	Entire Panel	Do salinity gradients in south Delta channels affect the migratory or other behavior of salmon and steelhead as they migrate through, reside, or rear in these locations below Vernalis? Do salinity gradients or other salinity-related hydrodynamic conditions affect the smoltification process, affecting when and where juvenile salmon and steelhead reside until they emigrate to the ocean?
3	Entire Panel	What are the benefits and drawbacks of using a percent of natural hydrograph criterion to guide water supply and fish management decisions on the tributaries? Should attention to unimpaired flows as a management tool be employed for just parts of the year, or all year round?
4	Entire Panel	What are the functional ecological needs for flow and floodplain habitat in San Joaquin River tributaries that would recover fall-run Chinook salmon and Central Valley steelhead? How much and where are flow and floodplain habitat needed in the tributaries, and at what times of year? If there are differences between what these species need, how significant are they?

PRIORITY	QUESTION DIRECTED TO:	PROPOSED QUESTIONS FOR PANEL ON THE SCIENTIFIC BASIS FOR DEVELOPING ALTERNATIVE SAN JOAQUIN RIVER FLOW OBJECTIVES
5	Entire Panel	Will the Board obtain sufficient information about salmon and agricultural salinity protection using 20, 40, and 60 percent of unimpaired flow between February and June on the San Joaquin River as its alternatives?

PRIORITY	QUESTION DIRECTED TO:	PROPOSED QUESTIONS FOR PANEL ON THE SCIENTIFIC BASIS FOR DEVELOPING ALTERNATIVE SOUTHERN DELTA SALINITY OBJECTIVES
1	Entire Panel	Will using 20, 40, and 60 percent of unimpaired flow between February and June on the San Joaquin River as alternative scenarios be sufficient for demonstrating compliance with south Delta salinity objectives?
2	Entire Panel	What is the quality of salinity data for the south Delta? How far back does the data go, and what do the data tell us about salinity conditions in relation to beneficial uses through time in the south Delta and the San Joaquin River basin?

PRIORITY	QUESTION DIRECTED TO:	PROPOSED QUESTIONS FOR PANEL ON THE POTENTIAL WATER SUPPLY IMPACTS OF POTENTIAL ALTERNATIVE SAN JOAQUIN RIVER FLOW AND SOUTHERN DELTA SALINITY OBJECTIVES
1	Entire Panel	What are the benefits and drawbacks of using finer versus rougher-grained time steps in CalSIM II modeling activity? Is it capable of modeling finer-grained time steps (such as weekly or daily scale)?
2	Entire Panel	What are CalSIM II's benefits and drawbacks for analysis of co-equal fishery and water supply impacts? Can fish survival and escapement models integrate with CalSIM II model results to optimize results for each?