



Water Management Goal from the Settlement

“ To reduce or avoid adverse water supply impacts to all of the Friant Division long-term contractors that may result from the Interim Flows and Restoration Flows provided for in the Settlement. ”

- Natural Resources Defense Council v. Kirk Rodgers, as Regional Director of the United States Bureau of Reclamation, *et al.*

How do we accomplish the goal?

- Develop guidelines necessary for understanding the river system and methodology to release and monitor Interim and Restoration Flows
- Develop a Plan for recirculation, recapture, reuse, exchange or transfer
- Develop a Recovered Water Account and Program

Water Management Milestones

2007 October	Water Management and Physical Improvements Options Technical Memo
2007 December	Initial Restoration Flow Guidelines Technical Memo
2008 February	Recovered Water Account Report
2008 June	Final Restoration Flow Guidelines Technical Memo
2009 September	Program Environmental Impact Statement/Report (EIS/R)



WATER MANAGEMENT

Water Management Options and Actions:

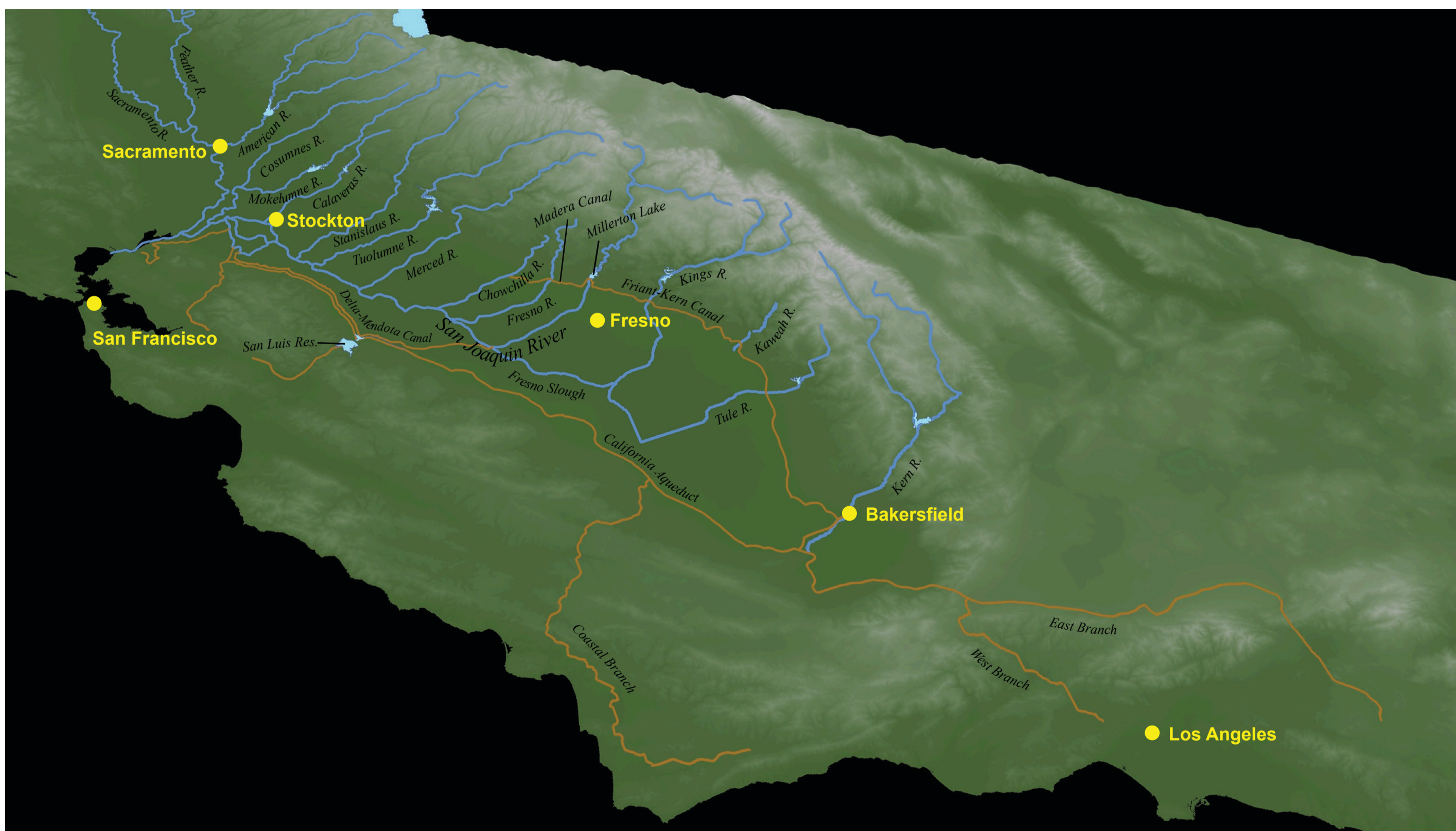
Evaluation will include those options and projects described in Paragraph 13(j) and Paragraph 16 of the Settlement.

	Oct 1	Nov 1 Nov 7	Dec 1	Jan 1	Feb 1	Mar 1	Mar 16	Apr 1	Apr 16	May 1	Jun 1	Jul 1	Aug 1	Sept 1
San Joaquin River Baseflow Releases from Friant Dam, by Water Year Type (CFS)	Wet	350	700	350	350	500	1,500	2,500	4,000	2,000	350	350	350	350
	Normal Wet	350	700	350	350	500	1,500	2,500	4,000	350	350	350	350	350
	Normal Dry	350	700	350	350	500	1,500	2,500	350	350	350	350	350	350
	Dry	350	700	350	350	500	1,500	350	350	350	350	350	350	350
	Critical High	160	400	120	110	500	1,500	200	200	215	255	260	260	260
	Critical Low	160	130	120	100	130	130	150	150	190	230	210	210	210
	Oct 1	Nov 1 Nov 7	Dec 1	Jan 1	Feb 1	Mar 1	Mar 16	Apr 1	Apr 16	May 1	Jun 1	Jul 1	Aug 1	Sept 1
	Fall Base and Spring Run Incubation Flow	Fall Run Attraction Flow	Fall Run Spawning and Incubation Flow	Winter Base Flows			Spring Rise and Pulse Flows				Summer Base Flows			Spring-Run Spawning Flows

1 - NRDC v Rodgers, Stipulation of Settlement, CIV NO. S-88-1658 - LKK/GGH, Exhibit B. September 13, 2006

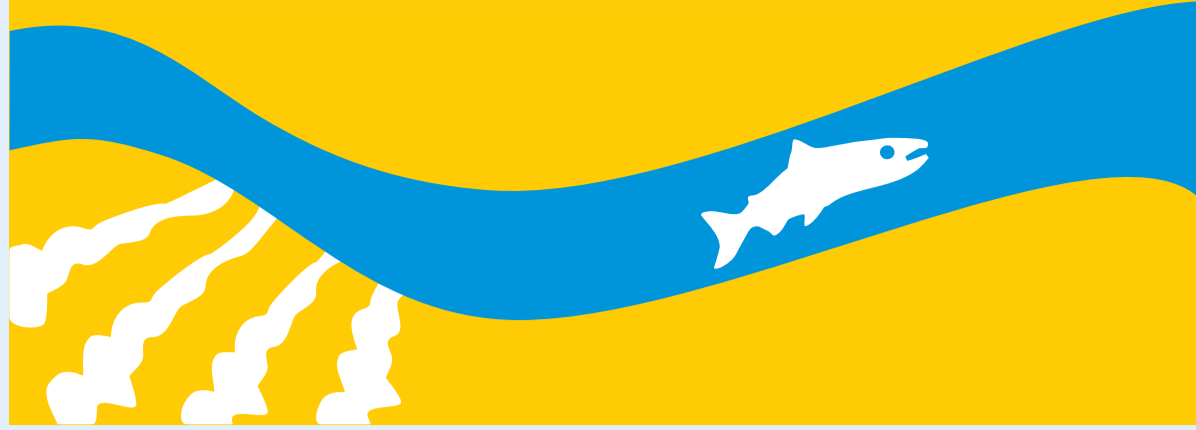
Paragraph 13(j):

Paragraph 13(j) outlines the steps necessary to understand the river system and develop the methodology necessary to release and monitor the Interim and Restoration Flows.

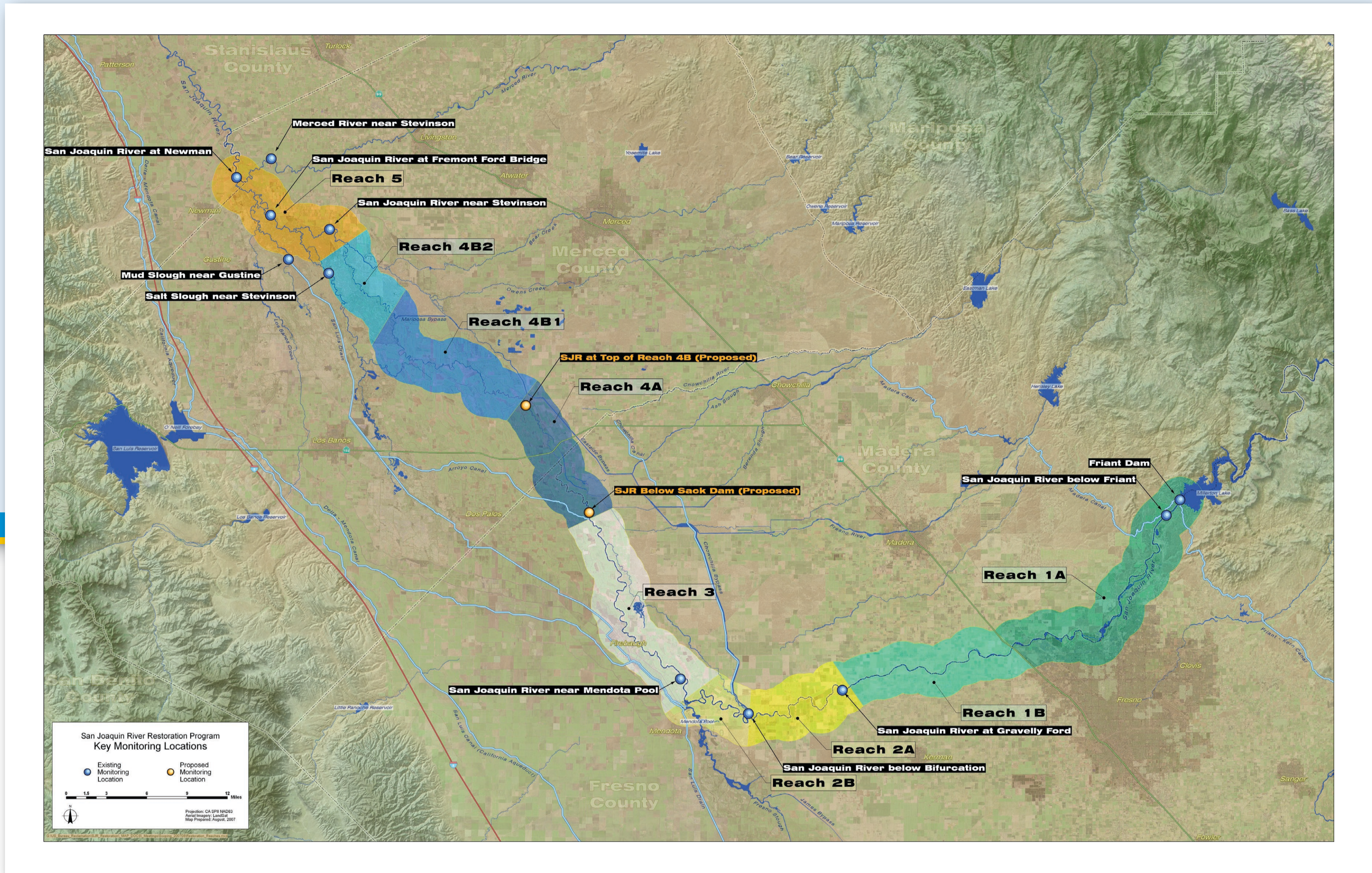


Paragraph 16:

Paragraph 16 of the Settlement calls for the development of a plan for recirculation, recapture, reuse, exchange or transfer of the Flows, and for the development of a Recovered Water Account



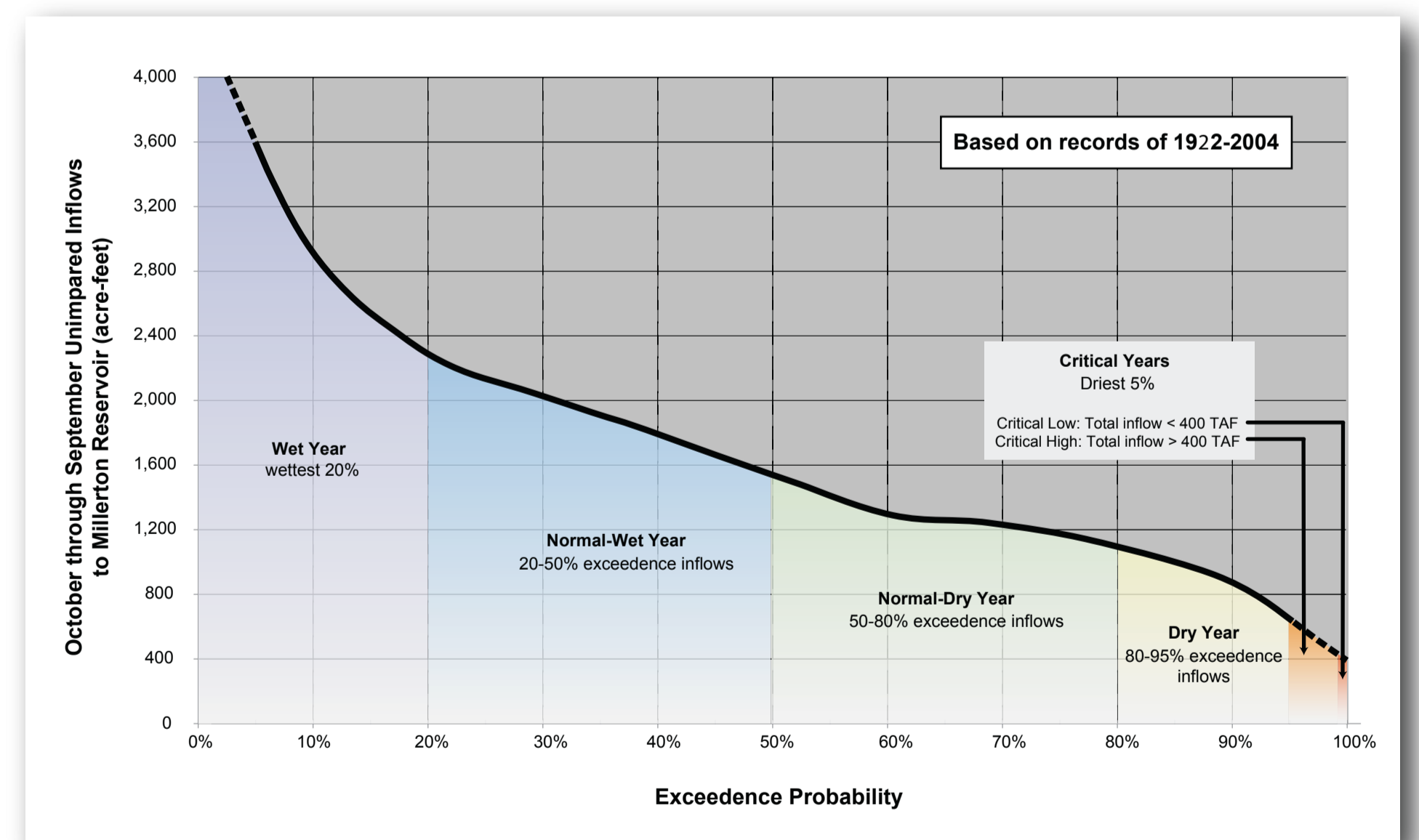
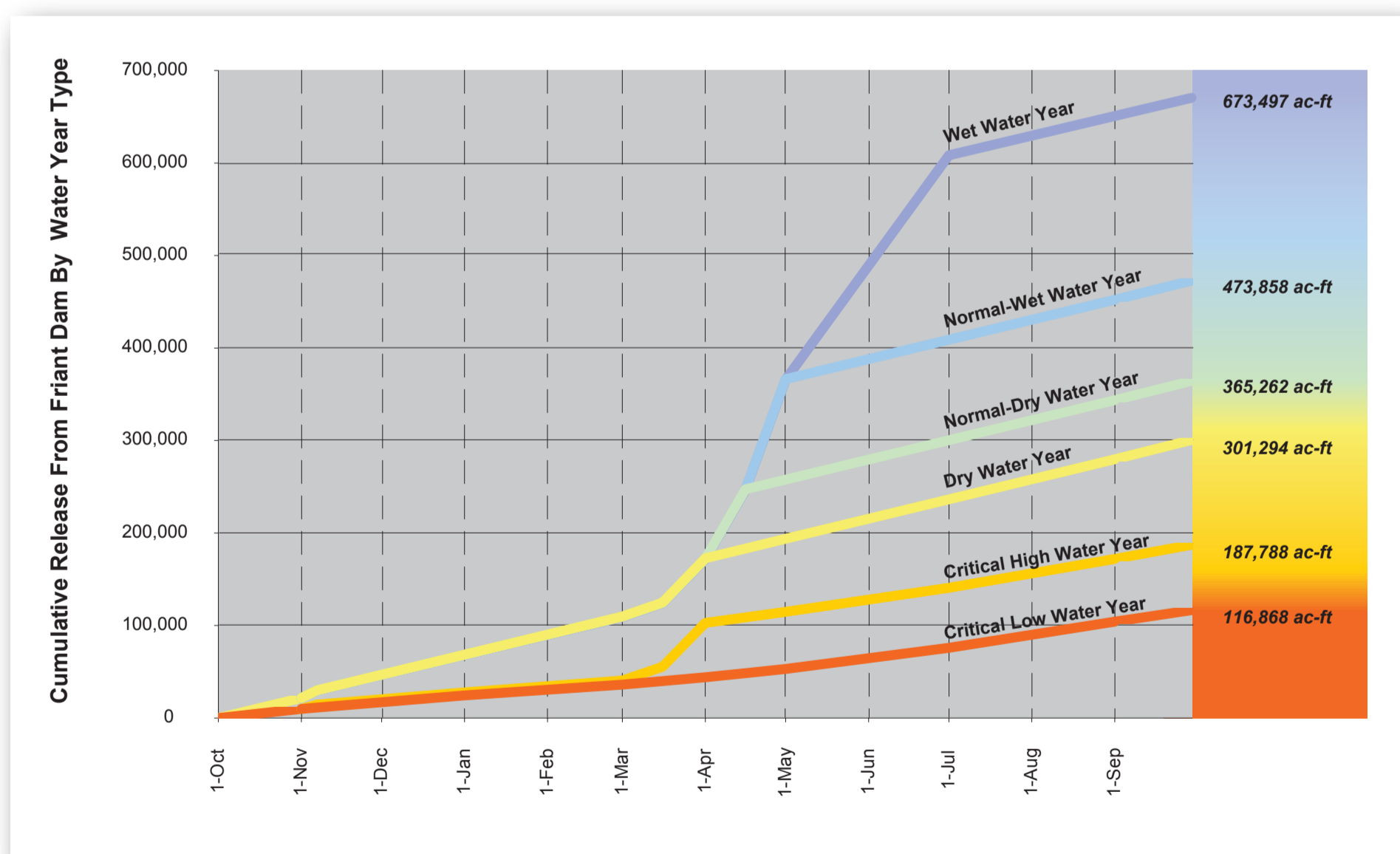
WATER MANAGEMENT



Paragraph 13(j):

Guidelines will be developed prior to commencement of Restoration Flows and include:

- Determining water-year types and timing
- Measuring, monitoring and reporting of flow procedures
- Determining and accounting for reductions in water deliveries
- Developing a methodology to determine seepage losses
- Making real-time changes to releases
- Determining the extent to which flood releases meet hydrograph releases outlined in the Settlement



Paragraph 16:

16(a): Develop and implement a plan for **recirculation, recapture, reuse, exchange or transfer** of the Interim Flows and Restoration Flows. The plan shall include provisions for funding necessary measures to implement the plan.

16(b): Develop and implement a **Recovered Water Account** and program to make water available to all of the Friant Division long-term contractors who provide water to meet Interim Flows or Restoration Flows for the purpose of reducing or avoiding the impact of the Interim Flows and Restoration Flows on such contractors.