

### Chapter 3 - Water Operations Summary (June 2009 – September 2010)

This chapter briefly describes American River operations for 2009 and 2010, pertaining to RPA Actions II.1 and II.2.

#### Action II.1. Lower American River Flow Management

Figure 1 is a summary of river releases and Folsom Lake storage for June 2009 through September 2010. Note that high river releases in May 2010 and June 2010 are primarily to manage spring filling of the lake. The Minimum Required Release (MRR) prescribed by the Flow Management Standard (FMS) is also shown in the figure. Implementation of the FMS is specified in RPA Action II.1.

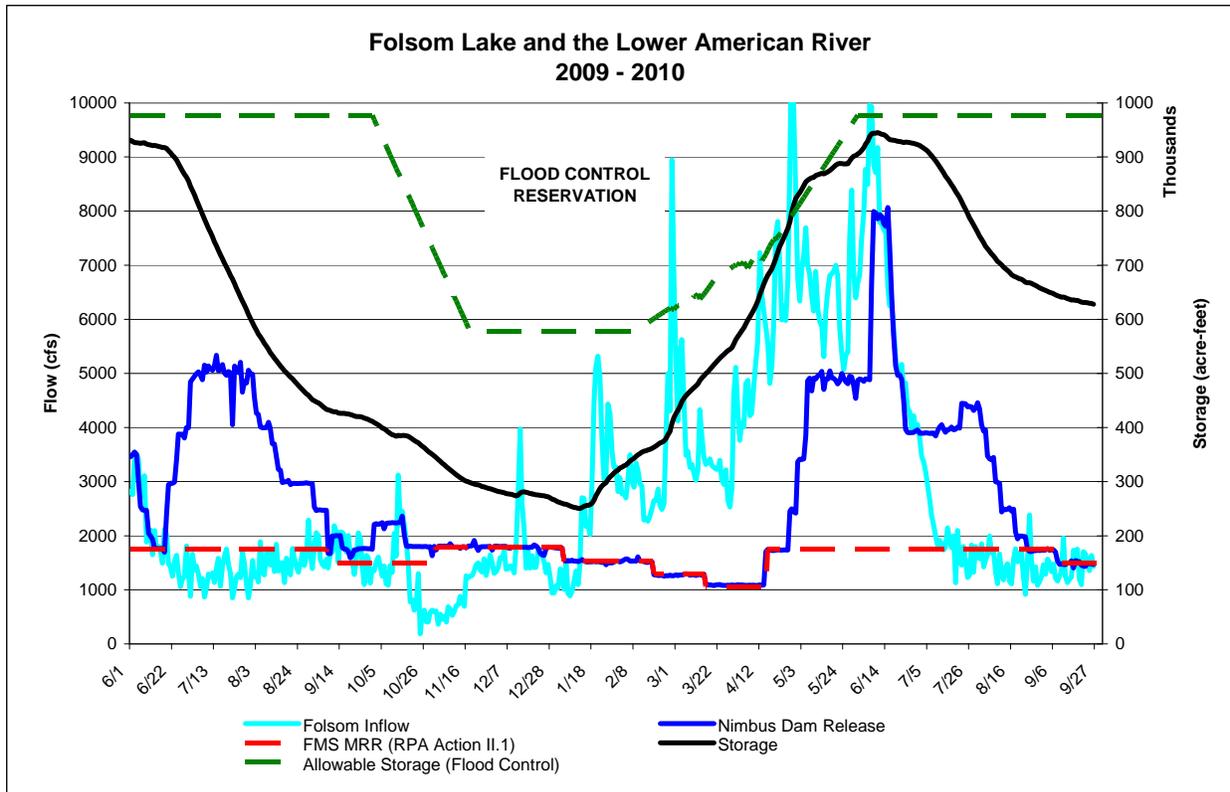
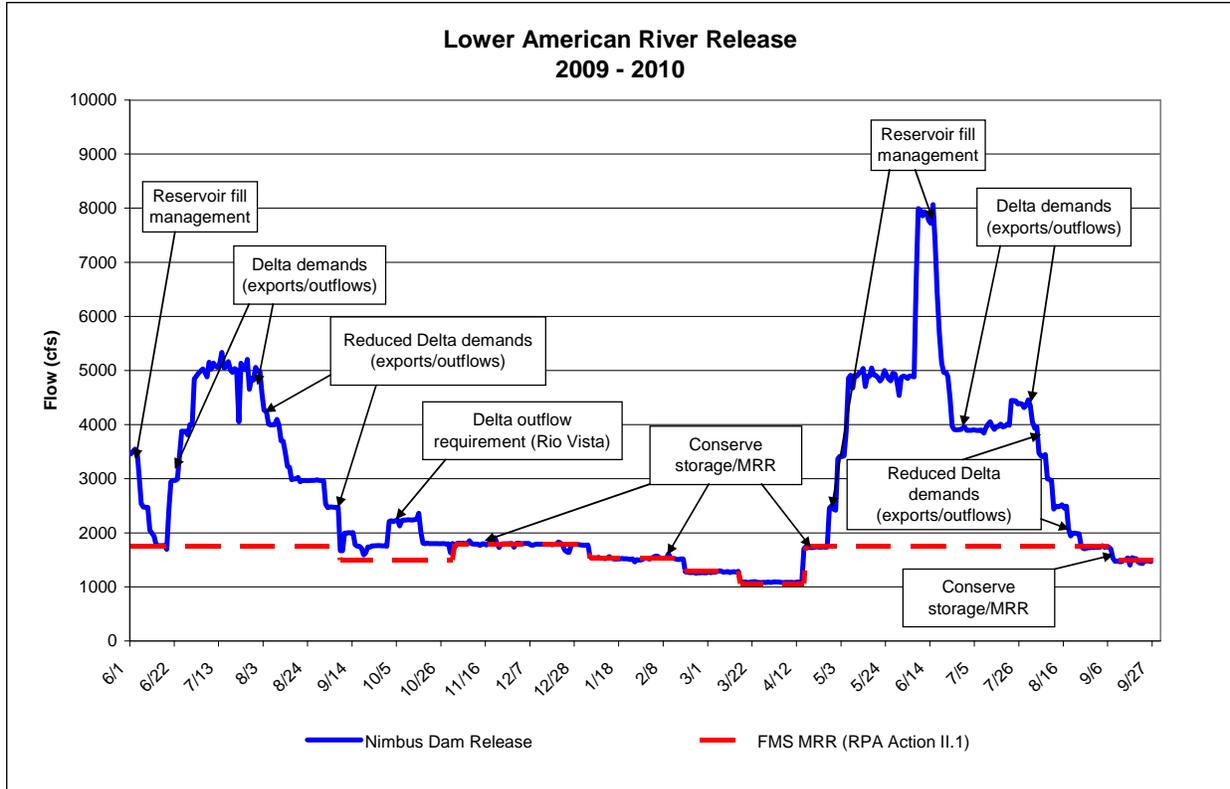


Figure 1

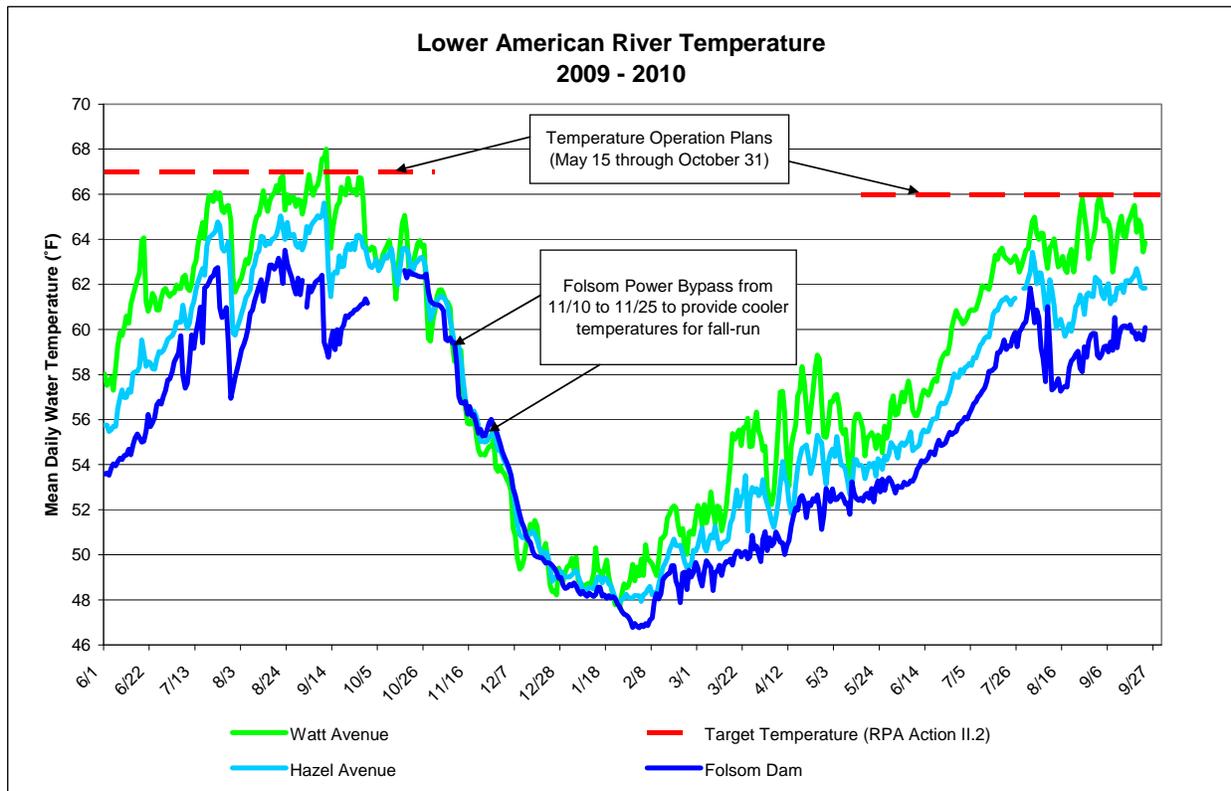
The Nimbus Dam release to the lower American River and MRR are shown in Figure 2. In addition, the primary reasons for release changes to the Lower American River are also identified on the figure.



**Figure 2**

## Action II.2. Lower American River Temperature Management

Figure 3 is a summary of temperature operations from June 2009 through September 2010. As stated in RPA Action II.2, a draft Temperature Management Plan is submitted to NMFS for review by May 1<sup>st</sup>. The plan includes several temperature model runs with the objective to attain a temperature compliance point at Watt Avenue Bridge. The runs incorporate the latest operation's forecast (inflow, outflow and storage). The selected plan requires NMFS approval, with input from members of the American River Group. The plan is updated every month based on the latest hydrology and cold-water pool conditions. NMFS must concur on proposed deviations from the plan that may reduce the likelihood that the temperature objective will be met.



**Figure 3**