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**From:** Hinojosa, Tracy@DWR  
**Sent:** Monday, December 28, 2015 2:44 PM  
**To:** Howard, Tom@Waterboards  
**Cc:** George, Michael@Waterboards; Rico, Christine@Waterboards; Aufdemberge, Amy (Email); Stefanie Morris; Fernandez, Patricia@Waterboards; Wilcox, Carl@Wildlife; Rubin, Jon@sldmwa.org; RAY SAHLBERG; Grober, Les@Waterboards; Riddle, Diane@Waterboards; Satkowski, Rich@Waterboards; Long, Kevin@Waterboards; Garwin.Yip@noaa.gov; kaylee\_allen@fws.gov  
**Subject:** Electronic Transmittal: Report of Shortfall of Modified Rio Vista Seven-Day Flow Objective  
**Attachments:** Report of Shortfall of Modified Rio Vista 7-day Flow Objective\_2015Nov27-30\_Final.pdf

Mr. Howard et al:

The U.S. Bureau of Reclamation and the California Department of Water Resources are serving true and correct copies of the attached "Report of Shortfall of Modified Rio Vista Seven-Day Flow Objective" by this electronic mail. A hard copy of the report has also been mailed to you. Per our recently revised notification protocols, we are transmitting only electronic courtesy copies of the report to the Delta Watermaster and other parties.

Please contact me if you have any questions.

Tracy Hinojosa  
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SWP Operations Control Office  
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BUREAU OF RECLAMATION  
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**DEC 28 2015**

Thomas Howard  
Executive Director  
State Water Resources Control Board  
1001 I Street  
Sacramento, California 95814

Report of Shortfall of Modified Rio Vista Seven-Day Flow Objective

Dear Mr. Howard:

This letter serves as our formal notification that the Department of Water Resources and U.S. Bureau of Reclamation (collectively called the Projects) did not meet the modified seven-day running average Sacramento River flow requirement from November 27-30, 2015. On those days, combined Project exports were significantly less than the 1,500 cfs allowed when modified objectives are operative.


As you are aware, the State Water Resources Control Board (Board) modified the Water Rights Decision 1641 (D-1641) objective for minimum Sacramento River flows at Rio Vista for November from a monthly average of 3,500 cfs to 2,500 cfs with a seven-day running average of no less than 2,000 cfs. While the Projects met the modified monthly objective for November with a monthly average flow value of 2,673 cfs, the seven-day running average on the last four days of the month fell just below the requirement. The following table shows the calculated daily and seven-day average flows at Rio Vista, as well as the combined exports on the days leading up to and when the exceedances occurred.

Date	Rio Vista Flow (cfs)		Combined Exports (cfs)
	Daily average (calc.)	7-day average (calc.)	
11/25/2015	1,547	2,495	1,095
11/26/2015	2,314	2,309	1,087
11/27/2015	2,267	1,979	1,087
11/28/2015	2,238	1,906	1,081
11/29/2015	2,082	1,936	1,096
11/30/2015	1,979	1,988	1,095

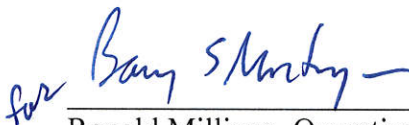
Sacramento River flows into the Delta were at historical lows for much of the month of November. In order to maintain compliance with the modified Rio Vista fish and wildlife flow objectives, Reclamation had been closing the Delta Cross Channel (DCC) gates for brief periods earlier in the month to keep sufficient flow in the main stem of the Sacramento River past Rio Vista to meet the modified Rio Vista flow objectives. However, late in the month tidal conditions became extraordinarily elevated and saline water began to intrude well into the Delta interior. In order to help prevent an exceedance of the Delta municipal water quality objectives, Reclamation kept the DCC gates open during the last week of November. This operational balancing resulted in the seven-day average Rio Vista flows falling just short of the operative 2,000 cfs objective for the last four days of November.

If you have any questions or would like more information regarding this notification, please contact Mr. John Leahigh of DWR at (916) 574-2722 or Ms. Liz Kiteck of Reclamation at (916) 979-2684.

Sincerely,



David H. Roose, Chief  
SWP Operations Control Office  
Department of Water Resources



Ronald Milligan, Operations Manager  
Central Valley Operations Office  
Bureau of Reclamation

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