

**Subj: WQ & WL forecast for August 2-August 22**  
**Date: 8/4/2016 3:07:36 P.M. Pacific Daylight Time**  
**From: [Siging.Liu@water.ca.gov](mailto:Siging.Liu@water.ca.gov)**  
**To: [Tracy.Pettit@water.ca.gov](mailto:Tracy.Pettit@water.ca.gov), [John.Leahigh@water.ca.gov](mailto:John.Leahigh@water.ca.gov), [Andrea.Glasgow@water.ca.gov](mailto:Andrea.Glasgow@water.ca.gov),  
[Grace.Cheng@water.ca.gov](mailto:Grace.Cheng@water.ca.gov), [lorloff@ccwater.com](mailto:lorloff@ccwater.com), [Ishih@ccwater.com](mailto:Ishih@ccwater.com),  
[Andy.Chu@water.ca.gov](mailto:Andy.Chu@water.ca.gov), [mmoses@ccwater.com](mailto:mmoses@ccwater.com), [Paul.Mendoza@water.ca.gov](mailto:Paul.Mendoza@water.ca.gov),  
[Joe.Christen@cdph.ca.gov](mailto:Joe.Christen@cdph.ca.gov), [lgrober@waterboards.ca.gov](mailto:lgrober@waterboards.ca.gov), [mqowdy@waterboards.ca.gov](mailto:mqowdy@waterboards.ca.gov),  
[PFernandez@waterboards.ca.gov](mailto:PFernandez@waterboards.ca.gov), [Jacob.McQuirk@water.ca.gov](mailto:Jacob.McQuirk@water.ca.gov), [Tracy.Hinojosa@water.ca.gov](mailto:Tracy.Hinojosa@water.ca.gov),  
[Bryant.Giorqi@water.ca.gov](mailto:Bryant.Giorqi@water.ca.gov), [Jherrlaw@aol.com](mailto:Jherrlaw@aol.com), [Dan.Yamanaka@water.ca.gov](mailto:Dan.Yamanaka@water.ca.gov),  
[Cathy.Crothers@water.ca.gov](mailto:Cathy.Crothers@water.ca.gov), [Michael.George@Waterboards.ca.gov](mailto:Michael.George@Waterboards.ca.gov),  
[John.Collins@waterboards.ca.gov](mailto:John.Collins@waterboards.ca.gov), [Christine.Rico@waterboards.ca.gov](mailto:Christine.Rico@waterboards.ca.gov),  
[Michael.Abiouli@water.ca.gov](mailto:Michael.Abiouli@water.ca.gov), [Michelle.Wong@water.ca.gov](mailto:Michelle.Wong@water.ca.gov)**

The Department of Water Resources and the U.S. Bureau of Reclamation are conducting water transfers which began on July 1, and will continue through September. The daily rate of planned transfer is currently at 400 cfs during August.

The attached files contain forecasted water quality at Holland Tract, Old River near Middle River, San Joaquin River at Brandt Bridge, and Old River at Tracy Road as well as forecasted water levels at the following south Delta locations--Old River west of Union Island near Coney Island, Middle River at Howard Road, Old River at Tracy Road, Doughty Cut, and the head of Grant Line Canal for both the "with" and "without-transfer" cases.

The attached model results cover the period of August 2-August 22, and are based on the following assumptions:

1. CCFB Gates are operating to Priority 3 throughout the forecast period.
2. The Delta Cross Channel gates are open as of June 18, and will remain open throughout the forecast period.
3. Suisun Marsh salinity control flashboards are removed, the three Suisun Marsh Salinity Control Gates are in open position.
4. The Middle River ag. barrier is installed with all 6 culvert flap-gates operating tidally. The barrier was raised 1 foot June 22.
5. The Old River at Tracy ag. barrier is installed with all 9 culvert flap-gates operating tidally.
6. The Grant Line Canal ag. barrier was fully installed on June 8 with all 6 culvert flap-gates operating tidally.
7. San Joaquin River flow at Vernalis maintains at 300 cfs during the forecast period.
8. San Joaquin River EC at Vernalis decreases from 399 umhos/cm at the beginning of the forecast period to 365 umhos/cm by the end of forecast period.

The model results show insignificant difference in forecasted water levels between the base case and the without-transfer case at compliance stations. While we are conducting transfers we will monitor water levels at the five south Delta stations listed above. If we are not meeting the requirements of the WLRP, the Projects would not initiate or would cease transfers until water levels improved.

The model results show no difference in forecasted water quality for the with-transfer case as compared to the without-transfer case. The 30-day average electrical conductivity (EC) objective for the interior south Delta stations is 0.7 mmhos/cm April through August. South Delta EC is highest at the Old River at Tracy station; the current mean daily and 30-day average EC values are .99 mmhos/cm and 0.98 mmhos/cm EC, respectively.

Please contact me if you have any questions or concerns regarding this email/notice.

Siqing Liu  
Water Resources Engineer  
Delta Compliance & Modeling Section  
SWP Operations Control Office  
Ph: 916-5740681  
Fax: 916-574-2785

Siqing Liu  
Water Resources Engineer  
Delta Compliance & Modeling Section  
SWP Operations Control Office  
Ph: 916-5740681  
Fax: 916-574-2785