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Subject: WQ & WL forecast for July 12-August 1

Date: Fri, Jul 15, 2016 5:26 pm

Attachments: WL Forecast 07-12-16.pdf (902K), WQ Forecast 7_12_2016.pdf (39K)

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 350 cfs during July.

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 July 12-August 1, 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 is fully installed with all 6 culvert flap-gates operating tidally.
7. San Joaquin River flow at Vernalis is at 327 cfs at the beginning of the forecast period and decreases to 300 cfs by the end forecast period.

The model results show minor 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 insignificant degradation in forecasted water quality in the base case as compare to the without-transfer case at Holland Cut station. 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 0.96 mmhos/cm and 0.83 mmhos/cm EC, respectively.

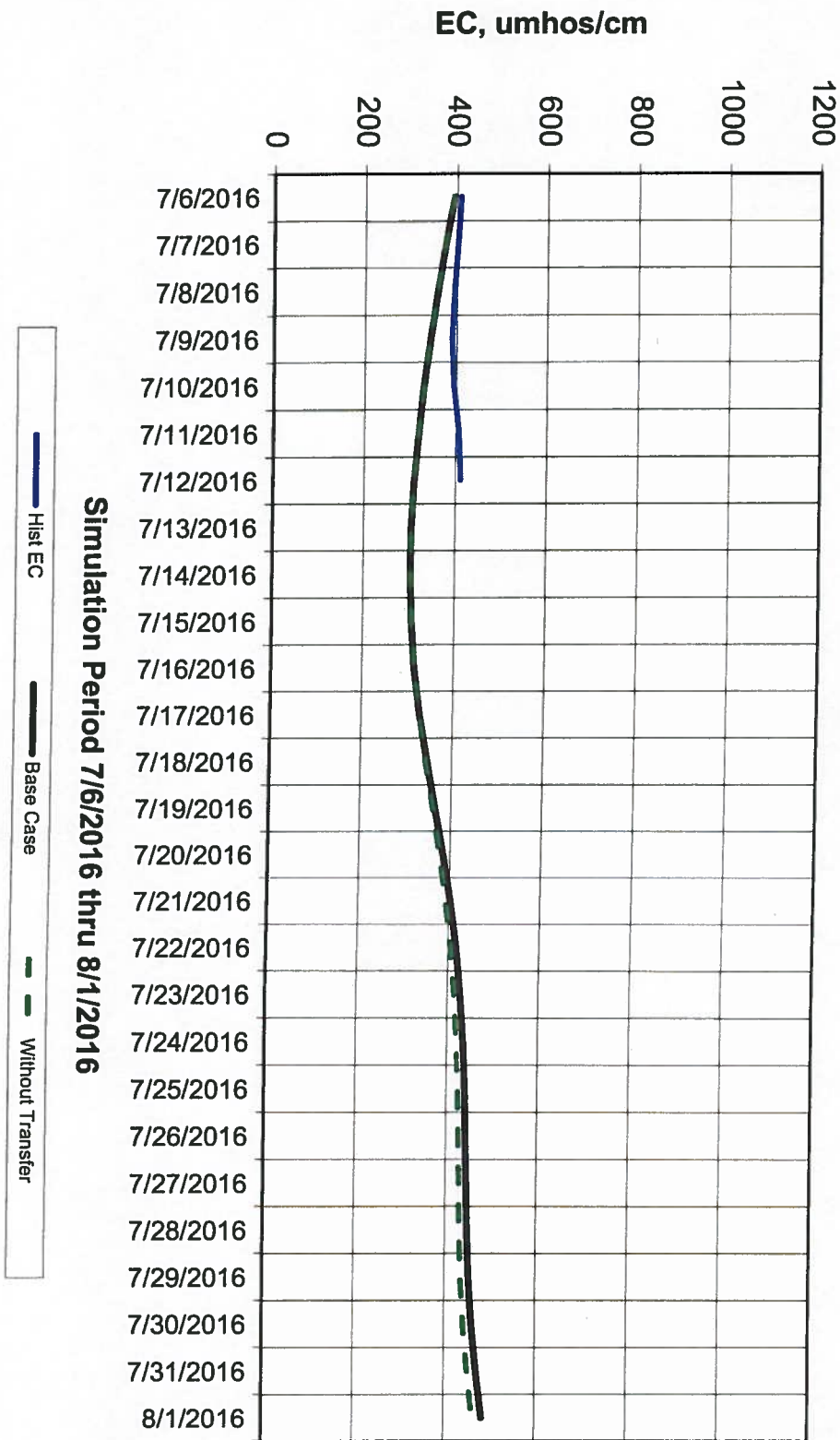
Please contact me if you have any questions or concerns regarding this email/notice.

Sincerely,

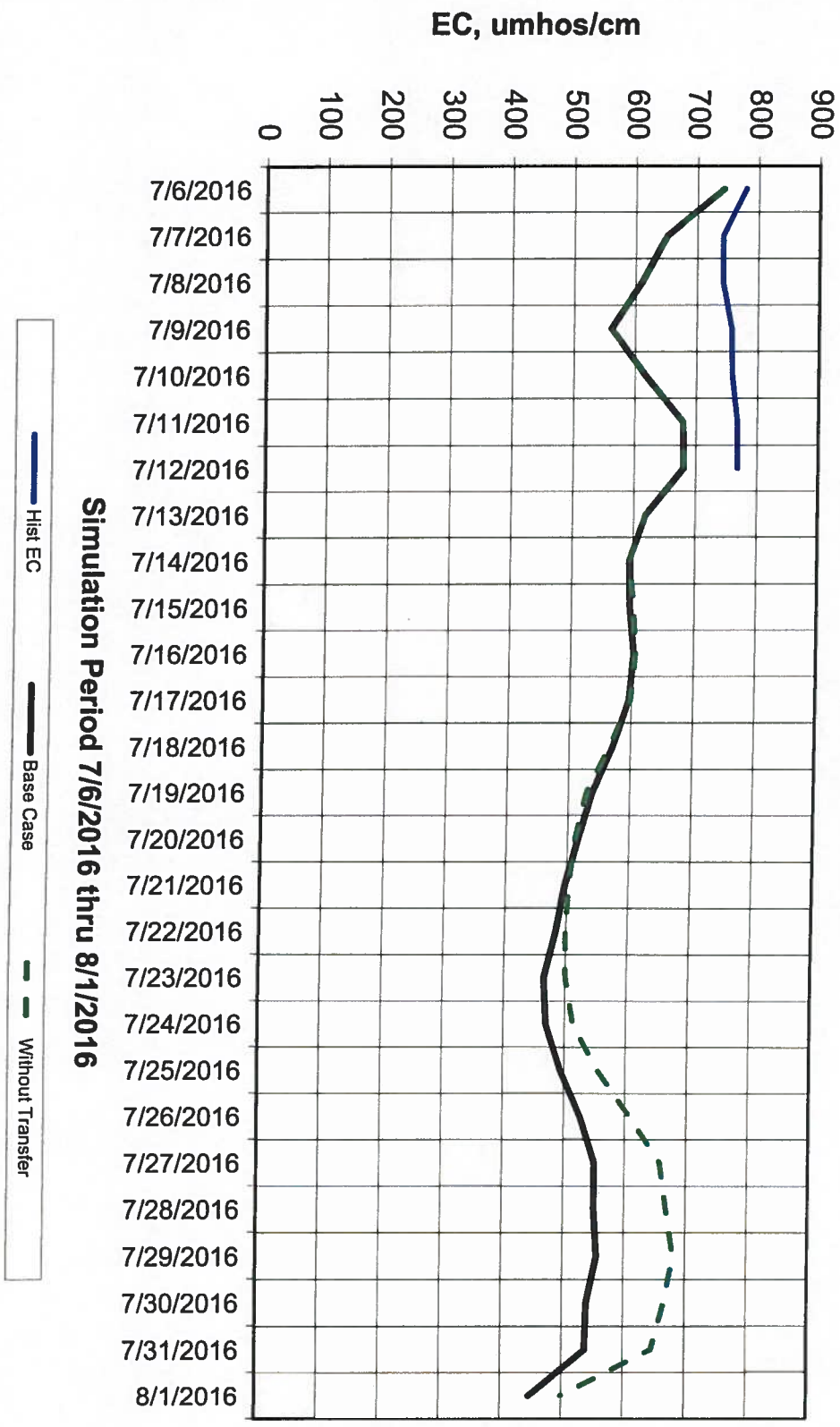
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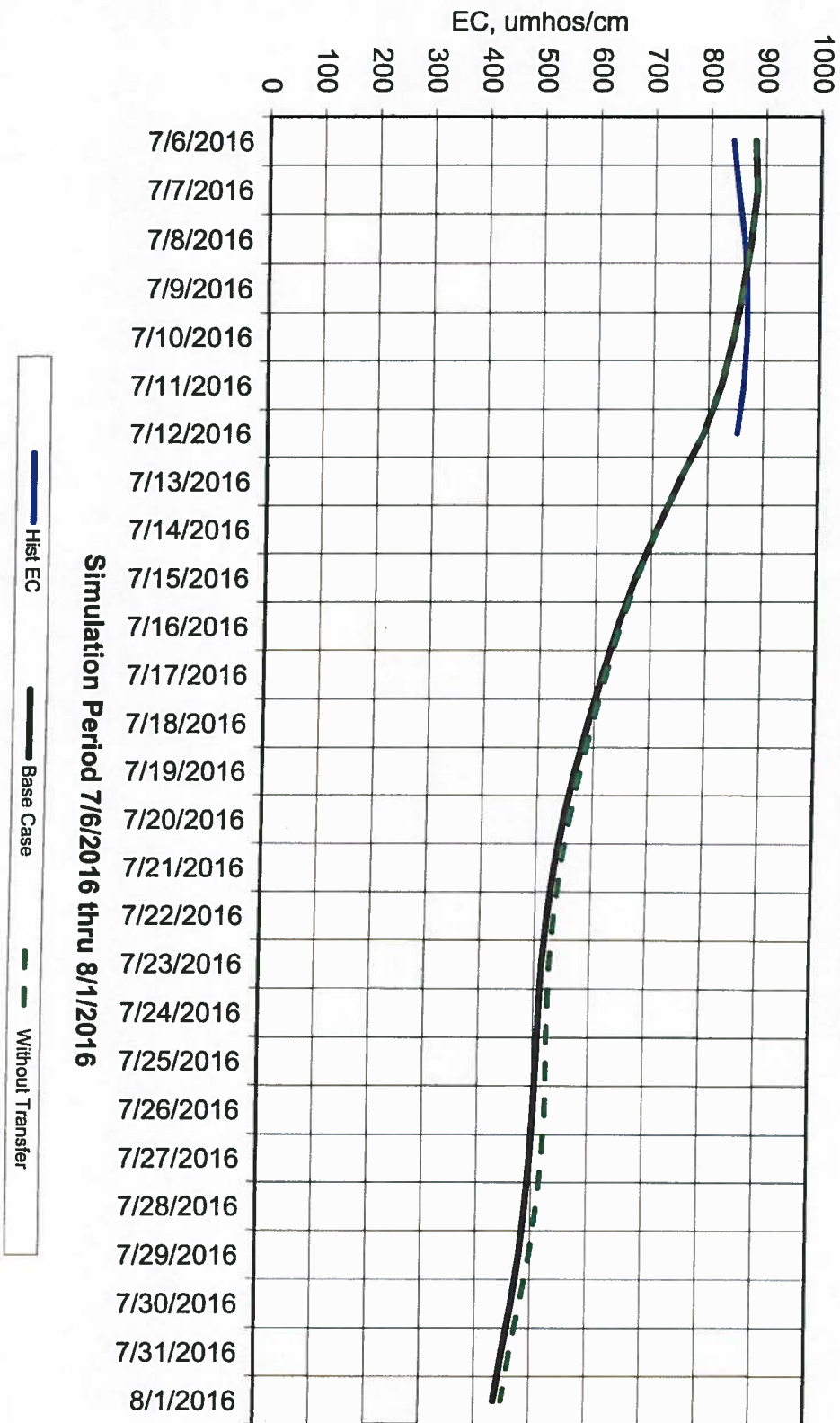
Forecasted Daily EC
@ Holland Ct



**Forecasted Daily EC
@ Old River near Middle River**



Forecasted Daily EC
@ San Joaquin River at Brandt Bridge



Forecasted Daily EC
@ Old River at Tracy Road

