

DWR

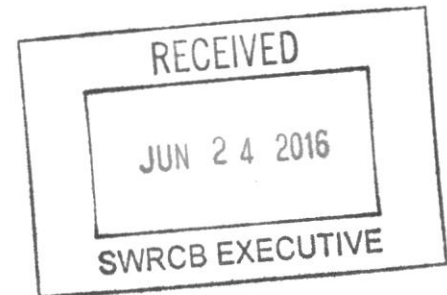


DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance
3310 El Camino Avenue, Suite 300
Sacramento, California 95821



BUREAU OF RECLAMATION
Central Valley Operations Office
3310 El Camino Avenue, Suite 300
Sacramento, California 95821

JUN 20 2016



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

Report of Exceedance of South Delta Agricultural Objective at Old River at Tracy Road Bridge Station

Dear Mr. Howard:

The 30-day average Electrical Conductivity (EC) at the Old River at Tracy Road Bridge compliance location (Station P-12) was 0.8 millisiemens per centimeter (mS/cm) on May 30, 2016, exceeding the State Water Resources Control Board (Board) Water Rights Decision 1641 (D-1641) objective of 0.7 mS/cm. The attached table (Attachment 1) shows daily and 30-day average EC values leading up to the date of exceedance.

The 30-day average EC values at Old River near Middle River (Station C-8), San Joaquin at Brandt Bridge (Station C-6), and Vernalis (Station C-10) that same day were all 0.3 mS/cm. Figure 1 is a map of the four south Delta compliance locations and the corresponding 30-day average EC values on the date of the exceedance at Station P-12.

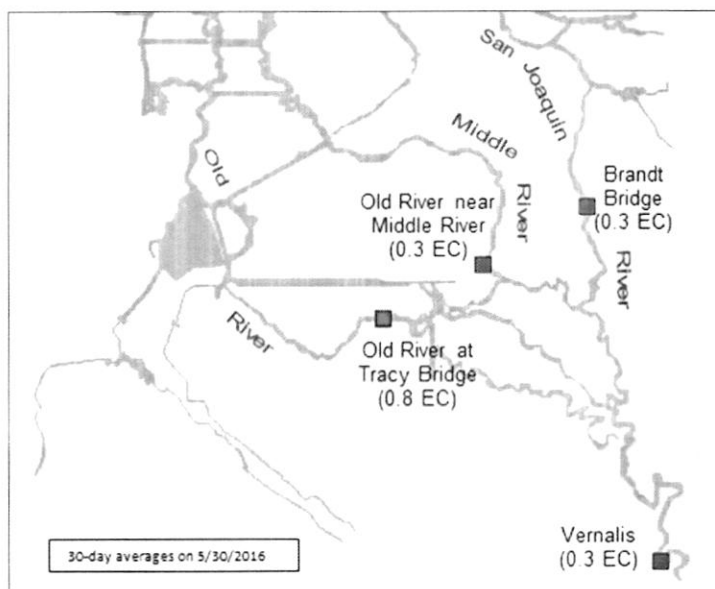


Figure 1

The Department of Water Resources (DWR) and U.S. Bureau of Reclamation (Reclamation) maintain the position that exceedances at Station P-12 are not a direct result of project operations, but rather localized degradation, and this year has provided another clear demonstration of this position. While water quality at the other compliance locations has been good this year (i.e. not exceeding either EC standard), the water quality at Station P-12 has exceeded the mean 30-day average EC for both the 1.0 mS/cm and 0.7 mS/cm standards for over two months so far.

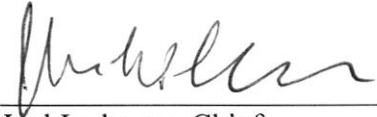
DWR and Reclamation will continue to undertake all practicable measures to improve water quality in the south Delta, including intermittently altering the operation of the culvert flapgates at the Old River near Tracy barrier from time to time to balance water levels with water quality. As of the date of this letter, the status of the south Delta barriers is as follows:

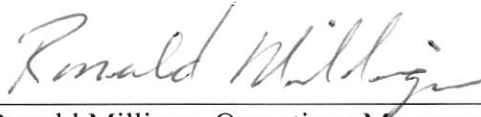
- Middle River – barrier closed on March 31, all six culvert flapgates tidally operating.
- Old River near Tracy – barrier closed on April 3, all nine culvert flapgates tidally operating.
- Spring Head of Old River – barrier breached on June 1
- Grant Line Canal barrier – full closure of barrier completed on June 8, all six culvert flapgates tied open.

In addition, DWR has been working with the South Delta Water Agency and Board staff to investigate sources and patterns of high salinity in the south Delta. A draft report has been prepared; the final report will be available in summer 2016.

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. Elizabeth Kiteck of Reclamation at (916) 979-2684.

Sincerely,


for Joel Ledesma, Chief
Assistant Division Chief 2
Division of Operations and Maintenance
Department of Water Resources


Ronald Milligan, Operations Manager
Central Valley Operations Office
U.S. Bureau of Reclamation

Attachment

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Attachment 1 Delta Water Quality Conditions*

Date	Vernalis		Brandt Bridge		Old River Near Tracy		Old River Near Middle	
	VERec	VER30ec	BDTec	BDT30ec	OLDec	OLD30ec	UNlec	UNI30ec
30-Apr-16	0.4	0.6	0.3	0.7	0.7	1.1	0.3	0.7
1-May-16	0.3	0.6	0.3	0.7	0.8	1.1	0.3	0.7
2-May-16	0.3	0.6	0.3	0.6	0.7	1.0	0.3	0.6
3-May-16	0.3	0.6	0.3	0.6	0.6	1.0	0.3	0.6
4-May-16	0.3	0.5	0.3	0.6	0.6	1.0	0.3	0.6
5-May-16	0.3	0.5	0.2	0.6	0.6	1.0	0.3	0.6
6-May-16	0.2	0.5	0.2	0.5	0.6	1.0	0.3	0.5
7-May-16	0.3	0.5	0.2	0.5	0.7	1.0	0.3	0.5
8-May-16	0.3	0.5	0.2	0.5	0.7	0.9	0.3	0.5
9-May-16	0.3	0.4	0.2	0.5	0.7	0.9	0.3	0.5
10-May-16	0.4	0.4	0.3	0.4	0.7	0.9	0.3	0.4
11-May-16	0.3	0.4	0.3	0.4	0.7	0.9	0.3	0.4
12-May-16	0.3	0.4	0.3	0.4	0.7	0.9	0.3	0.4
13-May-16	0.3	0.4	0.2	0.4	0.7	0.8	0.3	0.4
14-May-16	0.3	0.4	0.2	0.4	0.6	0.8	0.3	0.4
15-May-16	0.2	0.3	0.2	0.3	0.7	0.8	0.3	0.4
16-May-16	0.3	0.3	0.2	0.3	0.7	0.8	0.3	0.3
17-May-16	0.3	0.3	0.3	0.3	0.7	0.8	0.3	0.3
18-May-16	0.3	0.3	0.3	0.3	0.7	0.8	0.3	0.3
19-May-16	0.3	0.3	0.3	0.3	0.7	0.7	0.3	0.3
20-May-16	0.3	0.3	0.3	0.3	0.7	0.7	0.3	0.3
21-May-16	0.3	0.3	0.3	0.3	0.7	0.7	0.3	0.3
22-May-16	0.3	0.3	0.3	0.3	0.8	0.7	0.3	0.3
23-May-16	0.3	0.3	0.3	0.3	0.8	0.7	0.3	0.3
24-May-16	0.3	0.3	0.3	0.3	0.9	0.7	0.3	0.3
25-May-16	0.3	0.3	0.3	0.3	0.9	0.7	0.3	0.3
26-May-16	0.3	0.3	0.3	0.3	0.9	0.7	0.4	0.3
27-May-16	0.3	0.3	0.3	0.3	1.0	0.7	0.4	0.3
28-May-16	0.3	0.3	0.4	0.3	1.1	0.7	0.3	0.3
29-May-16	0.3	0.3	0.4	0.3	1.1	0.7	0.4	0.3
30-May-16	0.4	0.3	0.4	0.3	1.1	0.8	0.4	0.3
31-May-16	0.3	0.3	0.4	0.3	1.1	0.8	0.4	0.3

*Salinity reported as electrical conductivity in milliSiemens per centimeter (mS/cm).

XXXec	XXX30ec
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Daily average and 30-day running average electrical conductivity