



DEPARTMENT OF WATER
RESOURCES
Division of Operations and Maintenance
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Sacramento, California 95821



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

FEB 13 2015

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

Subject: Report of Exceedance of South Delta Water Quality Agricultural Objective at
San Joaquin River at Brandt Bridge Station

Dear Mr. Howard:

The 30-day average Electrical Conductivity (EC) at the San Joaquin River at Brandt Bridge compliance location (Station C-6) was 1.1 millisiemens per centimeter (mS/cm) on January 17, 2015, exceeding the State Water Resources Control Board (SWRCB) Water Rights Decision 1641 (D-1641) objective of 1.0 mS/cm. The attached table (Attachment 1) shows daily and 30-day average EC values leading up to the date of exceedance.

While the 30-day average EC at Station C-6 reached 1.1 mS/cm on January 17, the 30-day average EC value at Old River near Middle River (Station C-8) and at Old River Tracy Road Bridge (Station P-12) that same day were 1.0 and 1.4 mS/cm, respectively. Additionally, the 30-day average EC at Vernalis on that same day was 1.1 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 C-6.

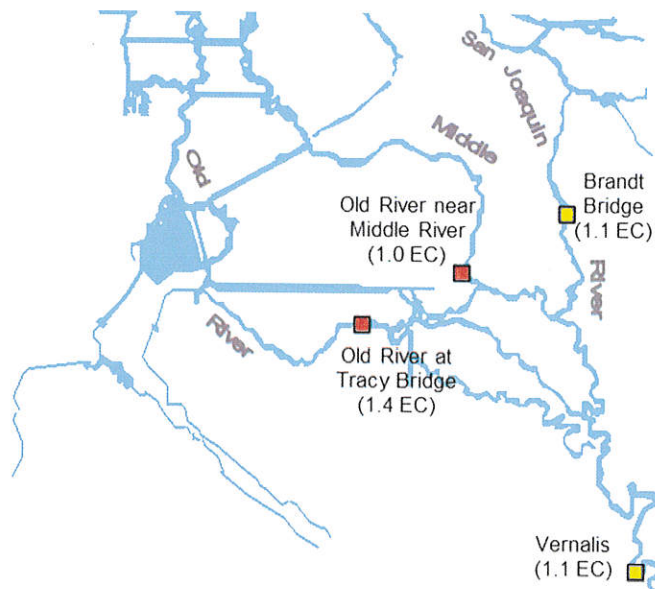


Figure 1

The Department of Water Resources (DWR) and U.S. Bureau of Reclamation (Reclamation) maintain that the exceedance is due to factors beyond the Projects' control including degradation between San Joaquin River at Vernalis and Brandt Bridge. Furthermore, DWR and Reclamation believe that highly saline agricultural runoff from the December 2014 storms caused a rapid increase in south Delta salinity beginning December 19, 2014. Reclamation increased releases from New Melones Reservoir from January 7 through January 22 to help improve water quality at Vernalis, and daily EC readings in the south Delta generally improved in late January. However, daily EC values are still around 1.0 mS/cm or higher (see Attachment 1).

DWR and Reclamation are not currently proposing the implementation of any additional corrective measures beyond maintaining Vernalis EC. However, DWR and Reclamation also continue to investigate, in coordination with the South Delta Water Agency and SWRCB's Delta Watermaster, alternatives to assist in resolving this issue.

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 Mr. Paul Fujitani of Reclamation at (916) 979-2197.

Sincerely,

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

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

Attachment

cc: Michael George, Delta Watermaster
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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	UNIec	UNI30ec
19-Dec-14	0.9	0.7	0.7	0.6	0.8	0.8	0.8	NC
20-Dec-14	1.0	0.7	0.8	0.6	1.0	0.8	0.8	NC
21-Dec-14	1.0	0.7	0.8	0.7	1.0	0.8	0.9	NC
22-Dec-14	1.1	0.7	0.9	0.7	1.0	0.8	1.0	NC
23-Dec-14	1.2	0.7	0.9	0.7	1.1	0.8	1.0	NC
24-Dec-14	1.2	0.7	0.9	0.7	1.2	0.8	1.1	NC
25-Dec-14	1.2	0.8	1.0	0.7	1.2	0.8	1.1	NC
26-Dec-14	1.2	0.8	1.0	0.7	1.3	0.9	1.1	NC
27-Dec-14	1.2	0.8	1.1	0.7	1.5	0.9	1.1	NC
28-Dec-14	1.2	0.8	1.1	0.8	1.6	0.9	1.1	NC
29-Dec-14	1.2	0.8	1.1	0.8	1.6	0.9	1.2	NC
30-Dec-14	1.2	0.8	1.1	0.8	1.5	1.0	1.1	0.8
31-Dec-14	1.1	0.9	1.1	0.8	1.5	1.0	1.2	0.8
01-Jan-15	1.1	0.9	1.2	0.8	1.5	1.0	1.2	0.8
02-Jan-15	1.1	0.9	1.2	0.9	1.4	1.0	1.1	0.8
03-Jan-15	1.1	0.9	1.2	0.9	1.3	1.1	1.1	0.9
04-Jan-15	1.1	0.9	1.2	0.9	1.3	1.1	1.1	0.9
05-Jan-15	1.1	0.9	1.2	0.9	1.3	1.1	1.1	0.9
06-Jan-15	1.1	1.0	1.2	0.9	1.4	1.1	1.1	0.9
07-Jan-15	1.0	1.0	1.2	0.9	1.4	1.1	1.1	0.9
08-Jan-15	1.0	1.0	1.2	1.0	1.4	1.2	1.1	0.9
09-Jan-15	1.0	1.0	1.2	1.0	1.4	1.2	1.1	1.0
10-Jan-15	1.0	1.0	1.1	1.0	1.3	1.2	1.1	1.0
11-Jan-15	1.0	1.0	1.1	1.0	1.4	1.2	1.0	1.0
12-Jan-15	1.0	1.0	1.1	1.0	1.4	1.2	1.0	1.0
13-Jan-15	1.0	1.0	1.1	1.0	1.5	1.3	1.0	1.0
14-Jan-15	1.0	1.0	1.1	1.0	1.6	1.3	1.0	1.0
15-Jan-15	0.9	1.1	1.1	1.0	1.6	1.3	1.0	1.0
16-Jan-15	0.9	1.1	1.1	1.0	1.5	1.3	1.0	1.0
17-Jan-15	0.9	1.1	1.1	1.1	1.5	1.4	0.9	1.0

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

** Due to previously missing daily data, the 30-day average was Not Calculated.

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