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State of California

DEPARTMENT OF WATER RESOURCES

The Resources Agency

FAX COVER SHEET

To Dorothy Rice, Executive Director	From Kathy Kelly
Organization State Water Resources Control Board	Organization Bay-Delta Office
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COMMENTS:

Attached is the Quarterly Status Report, May 2009, Cease and Desist Order WR 2006-0006

2009 JUN -2 AM 9:45  
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State of California

The Resources Agency

**Memorandum**

Date: June 1, 2009

To: Dorothy R. Rice, Executive Director  
State Water Resources Control Board  
1001 I Street  
Sacramento, California 95814

From: Department of Water Resources

Subject: Quarterly Status Report, May 2009, Cease and Desist Order WR 2006-0006

2009 JUN -2 AM 9:46  
DIV OF WATER RESOURCES  
SACRAMENTO

As a condition of State Water Resources Control Board (State Water Board) Order WR 2006-0006 (Order), the Department of Water Resources (Department) submits quarterly status reports on the progress of the South Delta Improvements Program (SDIP). This report provides the status for the period of March through May 2009. This report also incorporates the information requested in your May 7, 2009 letter to me and to John Herrick of the South Delta Water Agency (SDWA).

Our status report in February 2009 acknowledged that the schedule presented in the November 2008 report for the construction and subsequent operation of the permanent operable gates could not be met. Although Department staff continues to proceed with SDIP as quickly as possible, we have previously indicated, as referenced in your May 7, 2009 letter, that we will be unable to have the permanent operable gates installed by July 1, 2009 due to endangered species concerns and related issues.

Our first notification to the Board that we could not meet the July 1, 2009 date was in the May 2007 quarterly status report. In that report, we requested that the date for installation of the gates be extended to July 2011. Subsequently, in the August 2007 report, the State Water Board was notified that the installation of the gates would be further delayed to 2012 if the Operation Criteria and Plan (OCAP) biological opinions were not received by September 2008. In the November 2007 status report, the State Water Board was advised that the OCAP biological opinions were estimated to be received by December 2008.

Subsequent reports indicated additional delays. In the February 2008 status report, the State Water Board was advised that the estimated completion of the OCAP biological opinion from the National Marine Fisheries Service (NMFS) was further delayed and that the permanent operable gates could not be completed until November 2012. The May, August, and November 2008 status reports all retained the November 2012 gate completion date, but the February 2009 status report did not. In February 2009, the Department advised the State Water Board that the NMFS was requiring two years of predation studies at the temporary barriers prior to consulting on the permanent operable gates, and that the previously reported schedule for the completion of the gates was not obtainable. Further clarification from NMFS staff indicates that three years of predation studies rather than two will be needed.

Dorothy R. Rice  
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In addition to the ongoing predation studies at the temporary barriers, the Department is working with NMFS to refine gate designs. Three-dimensional hydraulic modeling is being conducted to support permanent operable gate design modifications intended to minimize flow disturbances and potential areas for fish predation.

Given the required predation studies, the schedule to begin operation of the permanent operable gates requires an extension of four years. This estimate includes the time required for the analysis of the monitoring data and modification of the associated environmental documentation as necessary. A complete milestone schedule is not included herein, but based on the above estimated extension, the permanent operable gates could be in operation for the 2016 agricultural season.

Pursuant to your letter dated May 7, 2009 regarding information contained in the quarterly status reports, we are providing the following information for this quarterly report and to supplement the February 2009 quarterly report. The 30-day running average EC (electroconductivity) at Old River near Tracy Road Bridge was greater than 1.0 EC beginning December 19, 2008 through March 10, 2009, and from March 23, 2009 through April 20, 2009. The other south Delta reporting locations were in compliance during the reporting period ending in February 2009.

Beginning in April, the objective at the South Delta compliance locations is 0.7 EC. As stated in our May 28, 2009 letter to you reporting the above-mentioned exceedance of a south Delta salinity objective, the 30-day running average EC at Tracy Road Bridge calculated on April 30, 2009 was 0.9 EC. However, the salinity in the south Delta was rapidly dropping due to the implementation of the 31-day pulse flow on the San Joaquin River to assist out-migrating salmon. By May 6, 2009, the 30-day running average value at Tracy Road Bridge had dropped to 0.7 EC, putting the station within the objective. Electrical conductivity continued to be in compliance at all south Delta locations for May. Aside from the station at Tracy Road Bridge, all other applicable interior south Delta objectives have been met so far this year. Attachment 1 provides a table of daily 30-day running average EC values for the south Delta reporting locations.

The Department is not projecting any further exceedances of south Delta objectives for June through August based on the assumptions that the agricultural barriers remain in operation and the proposed transfers are implemented. The Department has analyzed projected salinity at the Brandt Bridge, Middle River and Old River locations with and without approximately 350,000 acre-feet of additional pumping assumed to be for water transfers and joint point of diversion at Banks Pumping Plant. Attachment 2 illustrates the projected effects. These modeling projections do not account for any salinity degradation which may occur downstream of Vernalis and include simplifying assumptions regarding local discharges within the south Delta. Nonetheless, the modeled salinity projections at this time demonstrate that operations with the proposed water transfers do not increase salinity conditions at the compliance locations when compared to operations without water transfers.

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No corrective actions were taken during the last two reporting periods. Water year 2009 is the third dry year in a row. Precipitation in November and December was below average, and in January was only one third of average. Reservoir levels in many regions of the state were at or near historic low levels. Project pumping has been significantly constrained due to dry hydrology and restrictions imposed by U.S. Fish and Wildlife Service (FWS) to protect delta smelt. Thus, the exceedances in early 2009 were largely due to the continuation of extremely dry conditions in the Sacramento-San Joaquin Delta basin and were beyond the control of the Projects.

Recently, the FWS completed the consultation for the construction of the temporary agricultural barriers and installation of the barriers is underway. The Department anticipates closure of the barrier on Middle River and the barrier on the Old River near the Delta Mendota Canal prior to the third week in June. The Department continues to work to improve the ability of the barriers to improve water circulation and, therefore, avoid the accumulation of salinity in portions of the south Delta channels. As we have done in the last two years, the flap gates in the temporary agricultural barriers will be periodically tied open during the summer to provide water quality benefits. In addition, the Department conducted a pilot study utilizing a nonphysical barrier at the Head of Old River during the spring salmon protection pulse flows. This device was designed to allow San Joaquin River flow to continue into Old River, therefore avoiding lower water levels in south Delta channels, while preventing out-migrating salmon from being diverted into Old River from the San Joaquin River. Although the results of the fisheries studies conducted as part of the experiment are not yet available, early indications are this technology may have very valuable application in the south Delta.

As required by the Order, if conditions change and the Department anticipates any exceedance, notice will be given to the State Water Board. In addition, the Department will be providing a summary each month to the State Water Board of the salinity measured at the four required locations.

Lastly, the Department and Reclamation submitted an application to the State Water Board requesting the Board modify certain conditions of VWR Order 2006-0006. Specifically, the May 29, 2009, letter refers to Condition A of the Order that requires the Department and Reclamation to implement measures to obviate the threat of non-compliance of conditions of their water right permits in Revised Decision 1641 regarding the 0.7 mmhos/cm electrical conductivity objective by July 1, 2009. As highlighted in the February 2009 report, schedule revisions for the SDIP gates are needed and the Department believes that an application to modify the Order is the best way for us to proceed with respect to the Condition A of the Order.

Dorothy R. Rice  
June 1, 2009  
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If you or your staff wishes to discuss this status report further, please contact me at (916) 653-1099 or [kkelly@water.ca.gov](mailto:kkelly@water.ca.gov). For more information on the status of the SDIP, your staff may contact Bob Pedlar, at 653-5085 or [rpedar@water.ca.gov](mailto:rpedar@water.ca.gov).



Katherine F. Kelly, Chief  
Bay-Delta Office

**Attachments**

cc: (see attached list)

PROOF OF SERVICE

I, the undersigned, hereby certify that I am over the age of eighteen (18) years of age and an employee of the State of California Department of Water Resources, 1416 Ninth Street, Sacramento, California 95814.

On June 1, 2009, I served true and correct copies of the attached Department of Water Resources "Quarterly Status Report" by e-mail and fax to the office of Division of Water Rights of the State Water Resources Control Board on the 14<sup>th</sup> floor of the California Environmental Protection Agency Building at 1001 I Street in Sacramento. I also served true and correct copies of this document by electronically transmitting the report to the parties listed on the attached Mailing List.

Date:

6/1/09

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Attachment 1

Summary of Compliance and Exceedences for Past, Current, and Next Quarters

	San Joaquin River at Vernalis		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
<i>Previous Quarter</i>								
December 2008								
1	1.0	0.77	1.0	0.76	1.0	0.93	1.0	0.80
2	1.0	0.77	1.0	0.79	1.0	0.93	1.0	0.81
3	1.0	0.78	1.0	0.79	1.0	0.94	1.0	0.82
4	1.0	0.78	1.0	0.80	1.0	0.95	1.0	0.82
5	1.0	0.78	1.0	0.80	1.0	0.96	1.0	0.82
6	1.0	0.78	1.0	0.81	1.0	0.97	1.0	0.83
7	1.0	0.78	1.0	0.81	1.0	0.98	1.0	0.83
8	1.0	0.80	1.0	0.82	1.0	1.00	1.0	0.84
9	1.0	0.80	1.0	0.82	1.0	1.01	1.0	0.84
10	1.0	0.80	1.0	0.83	1.0	1.02	1.0	0.85
11	1.0	0.81	1.0	0.83	1.0	1.03	1.0	0.85
12	1.0	0.81	1.0	0.83	1.0	1.03	1.0	0.86
13	1.0	0.82	1.0	0.84	1.0	1.03	1.0	0.86
14	1.0	0.82	1.0	0.84	1.0	1.04	1.0	0.87
15	1.0	0.83	1.0	0.85	1.0	1.04	1.0	0.87
16	1.0	0.83	1.0	0.85	1.0	1.04	1.0	0.87
17	1.0	0.83	1.0	0.85	1.0	1.05	1.0	0.88
18	1.0	0.84	1.0	0.86	1.0	1.05	1.0	0.88
19	1.0	0.84	1.0	0.86	1.0	1.05	1.0	0.88
20	1.0	0.84	1.0	0.86	1.0	1.05	1.0	0.89
21	1.0	0.84	1.0	0.87	1.0	1.06	1.0	0.89
22	1.0	0.85	1.0	0.87	1.0	1.07	1.0	0.89
23	1.0	0.85	1.0	0.88	1.0	1.08	1.0	0.89
24	1.0	0.85	1.0	0.88	1.0	1.09	1.0	0.90
25	1.0	0.85	1.0	0.88	1.0	1.09	1.0	0.90
26	1.0	0.85	1.0	0.89	1.0	1.09	1.0	0.90
27	1.0	0.85	1.0	0.89	1.0	1.09	1.0	0.90
28	1.0	0.86	1.0	0.89	1.0	1.09	1.0	0.90
29	1.0	0.86	1.0	0.89	1.0	1.09	1.0	0.90
30	1.0	0.87	1.0	0.90	1.0	1.10	1.0	0.90
31	1.0	0.87	1.0	0.90	1.0	1.10	1.0	0.91

DWR 06/01/08

Attachment 1

Summary of Compliance and Exceedences for Past, Current, and Next Quarters

	San Joaquin River at Vernalis		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
January 2009								
1	1.0	0.88	1.0	0.90	1.0	1.11	1.0	0.91
2	1.0	0.88	1.0	0.90	1.0	1.11	1.0	0.91
3	1.0	0.89	1.0	0.91	1.0	1.12	1.0	0.92
4	1.0	0.89	1.0	0.91	1.0	1.12	1.0	0.92
5	1.0	0.90	1.0	0.91	1.0	1.12	1.0	0.93
6	1.0	0.90	1.0	0.92	1.0	1.13	1.0	0.93
7	1.0	0.91	1.0	0.92	1.0	1.13	1.0	0.93
8	1.0	0.91	1.0	0.93	1.0	1.13	1.0	0.94
9	1.0	0.91	1.0	0.93	1.0	1.13	1.0	0.94
10	1.0	0.92	1.0	0.94	1.0	1.14	1.0	0.95
11	1.0	0.92	1.0	0.94	1.0	1.14	1.0	0.95
12	1.0	0.92	1.0	0.94	1.0	1.14	1.0	0.95
13	1.0	0.93	1.0	0.95	1.0	1.14	1.0	0.96
14	1.0	0.93	1.0	0.95	1.0	1.15	1.0	0.96
15	1.0	0.94	1.0	0.96	1.0	1.15	1.0	0.97
16	1.0	0.94	1.0	0.96	1.0	1.16	1.0	0.97
17	1.0	0.94	1.0	0.96	1.0	1.17	1.0	0.98
18	1.0	0.95	1.0	0.97	1.0	1.17	1.0	0.98
19	1.0	0.95	1.0	0.97	1.0	1.18	1.0	0.98
20	1.0	0.96	1.0	0.98	1.0	1.18	1.0	0.98
21	1.0	0.96	1.0	0.98	1.0	1.17	1.0	0.99
22	1.0	0.96	1.0	0.98	1.0	1.17	1.0	1.00
23	1.0	0.97	1.0	0.99	1.0	1.17	1.0	1.00
24	1.0	0.97	1.0	0.99	1.0	1.17	1.0	1.01
25	1.0	0.97	1.0	0.99	1.0	1.17	1.0	1.01
26	1.0	0.97	1.0	1.00	1.0	1.17	1.0	1.01
27	1.0	0.97	1.0	1.00	1.0	1.17	1.0	1.01
28	1.0	0.96	1.0	1.00	1.0	1.18	1.0	1.01
29	1.0	0.96	1.0	1.00	1.0	1.18	1.0	1.01
30	1.0	0.96	1.0	1.00	1.0	1.18	1.0	1.01
31	1.0	0.96	1.0	1.00	1.0	1.18	1.0	1.01

DWR 08/01/09

Attachment 1

Summary of Compliance and Exceedences for Past, Current, and Next Quarters

	San Joaquin River at Vernalis		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
<b>February 2009</b>								
1	1.0	0.96	1.0	1.00	1.0	1.18	1.0	1.01
2	1.0	0.96	1.0	1.00	1.0	1.17	1.0	1.01
3	1.0	0.97	1.0	1.00	1.0	1.17	1.0	1.01
4	1.0	0.97	1.0	1.00	1.0	1.17	1.0	1.01
5	1.0	0.97	1.0	1.00	1.0	1.17	1.0	1.01
6	1.0	0.97	1.0	1.00	1.0	1.16	1.0	1.02
7	1.0	0.98	1.0	1.00	1.0	1.16	1.0	1.02
8	1.0	0.98	1.0	1.00	1.0	1.16	1.0	1.02
9	1.0	0.98	1.0	1.00	1.0	1.16	1.0	1.02
10	1.0	0.99	1.0	1.00	1.0	1.16	1.0	1.03
11	1.0	0.99	1.0	1.00	1.0	1.16	1.0	1.03
12	1.0	0.99	1.0	1.01	1.0	1.16	1.0	1.03
13	1.0	0.99	1.0	1.01	1.0	1.16	1.0	1.03
14	1.0	0.98	1.0	1.01	1.0	1.16	1.0	1.03
15	1.0	0.98	1.0	1.01	1.0	1.16	1.0	1.03
16	1.0	0.98	1.0	1.01	1.0	1.16	1.0	1.03
17	1.0	0.98	1.0	1.00	1.0	1.15	1.0	1.02
18	1.0	0.97	1.0	1.00	1.0	1.15	1.0	1.02
19	1.0	0.97	1.0	0.99	1.0	1.14	1.0	1.02
20	1.0	0.95	1.0	0.98	1.0	1.13	1.0	1.01
21	1.0	0.95	1.0	0.98	1.0	1.13	1.0	1.00
22	1.0	0.95	1.0	0.97	1.0	1.12	1.0	0.99
23	1.0	0.94	1.0	0.96	1.0	1.11	1.0	0.99
24	1.0	0.94	1.0	0.95	1.0	1.11	1.0	0.98
25	1.0	0.94	1.0	0.95	1.0	1.10	1.0	0.98
26	1.0	0.94	1.0	0.94	1.0	1.10	1.0	0.98
27	1.0	0.94	1.0	0.94	1.0	1.10	1.0	0.98
28	1.0	0.94	1.0	0.94	1.0	1.10	1.0	0.98

DWR 06/01/09

Attachment 1

Summary of Compliance and Exceedences for Past, Current, and Next Quarters

	San Joaquin River at Vernalia		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
<b>Current Quarter</b>								
<b>March 2009</b>								
1	1.0	0.95	1.0	0.94	1.0	1.09	1.0	0.98
2	1.0	0.95	1.0	0.94	1.0	1.09	1.0	0.98
3	1.0	0.95	1.0	0.93	1.0	1.09	1.0	0.98
4	1.0	0.95	1.0	0.93	1.0	1.09	1.0	0.99
5	1.0	0.95	1.0	0.93	1.0	1.06	1.0	0.99
6	1.0	0.93	1.0	0.93	1.0	1.08	1.0	0.98
7	1.0	0.92	1.0	0.93	1.0	1.08	1.0	0.97
8	1.0	0.91	1.0	0.91	1.0	1.07	1.0	0.96
9	1.0	0.90	1.0	0.90	1.0	1.06	1.0	0.95
10	1.0	0.89	1.0	0.89	1.0	1.05	1.0	0.94
11	1.0	0.88	1.0	0.88	1.0	1.05	1.0	0.93
12	1.0	0.88	1.0	0.87	1.0	1.04	1.0	0.92
13	1.0	0.88	1.0	0.86	1.0	1.04	1.0	0.92
14	1.0	0.86	1.0	0.86	1.0	1.03	1.0	0.92
15	1.0	0.85	1.0	0.85	1.0	1.03	1.0	0.91
16	1.0	0.86	1.0	0.85	1.0	1.03	1.0	0.92
17	1.0	0.89	1.0	0.85	1.0	1.02	1.0	0.92
18	1.0	0.89	1.0	0.85	1.0	1.02	1.0	0.93
19	1.0	0.90	1.0	0.85	1.0	1.03	1.0	0.94
20	1.0	0.91	1.0	0.85	1.0	1.03	1.0	0.94
21	1.0	0.92	1.0	0.85	1.0	1.04	1.0	0.95
22	1.0	0.93	1.0	0.86	1.0	1.05	1.0	0.97
23	1.0	0.94	1.0	0.87	1.0	1.05	1.0	0.98
24	1.0	0.95	1.0	0.88	1.0	1.05	1.0	0.99
25	1.0	0.96	1.0	0.89	1.0	1.06	1.0	1.00
26	1.0	0.96	1.0	0.90	1.0	1.09	1.0	1.01
27	1.0	0.96	1.0	0.91	1.0	1.10	1.0	1.02
28	1.0	0.96	1.0	0.92	1.0	1.11	1.0	1.03
29	1.0	0.96	1.0	0.93	1.0	1.12	1.0	1.03
30	1.0	0.95	1.0	0.93	1.0	1.12	1.0	1.03
31	1.0	0.95	1.0	0.94	1.0	1.12	1.0	1.04

DWR 06/01/09

Attachment 1

Summary of Compliance and Exceedences for Past, Current, and Next Quarters

	San Joaquin River at Vernalis		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
April 2009								
1	1.0	0.94	1.0	0.94	1.0	1.12	1.0	1.04
2	1.0	0.93	1.0	0.94	1.0	1.12	1.0	1.04
3	1.0	0.93	1.0	0.95	1.0	1.13	1.0	1.03
4	1.0	0.92	1.0	0.95	1.0	1.13	1.0	1.03
5	1.0	0.93	1.0	0.95	1.0	1.12	1.0	1.02
6	1.0	0.93	1.0	0.95	1.0	1.13	1.0	1.03
7	1.0	0.93	1.0	0.96	1.0	1.13	1.0	1.03
8	1.0	0.93	1.0	0.97	1.0	1.14	1.0	1.03
9	1.0	0.93	1.0	0.97	1.0	1.14	1.0	1.03
10	1.0	0.92	1.0	0.97	1.0	1.14	1.0	1.03
11	1.0	0.91	1.0	0.98	1.0	1.14	1.0	1.03
12	1.0	0.90	1.0	0.97	1.0	1.14	1.0	1.02
13	1.0	0.88	1.0	0.97	1.0	1.13	1.0	1.00
14	1.0	0.87	1.0	0.96	1.0	1.13	1.0	0.99
15	1.0	0.85	1.0	0.95	1.0	1.12	1.0	0.98
16	1.0	0.84	1.0	0.94	1.0	1.11	1.0	0.96
17	1.0	0.82	1.0	0.93	1.0	1.10	1.0	0.95
18	1.0	0.80	1.0	0.92	1.0	1.08	1.0	0.93
19	1.0	0.76	1.0	0.90	1.0	1.08	1.0	0.91
20	1.0	0.76	1.0	0.89	1.0	1.08	1.0	0.89
21	1.0	0.73	1.0	0.87	1.0	1.06	1.0	0.87
22	1.0	0.71	1.0	0.85	1.0	1.05	1.0	0.84
23	1.0	0.69	1.0	0.83	1.0	1.03	1.0	0.82
24	1.0	0.66	1.0	0.81	1.0	1.01	1.0	0.81
25	1.0	0.64	1.0	0.79	1.0	0.99	1.0	0.79
26	1.0	0.63	1.0	0.78	1.0	0.96	1.0	0.78
27	1.0	0.61	1.0	0.74	1.0	0.94	1.0	0.77
28	1.0	0.59	1.0	0.72	1.0	0.92	1.0	0.76
29	1.0	0.57	1.0	0.69	1.0	0.89	1.0	0.74
30	0.7	0.55	0.7	0.67	0.7	0.85	0.7	0.71

DWR 06/01/08

Attachment 1

Summary of Compliance and Exceedences for Past, Current, and Next Quarters

	San Joaquin River at Vernalis		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
May 2008								
1	0.7	0.54	0.7	0.65	0.7	0.83	0.7	0.68
2	0.7	0.52	0.7	0.63	0.7	0.81	0.7	0.66
3	0.7	0.50	0.7	0.61	0.7	0.80	0.7	0.63
4	0.7	0.49	0.7	0.59	0.7	0.78	0.7	0.61
5	0.7	0.47	0.7	0.57	0.7	0.76	0.7	0.59
6	0.7	0.46	0.7	0.55	0.7	0.75	0.7	0.57
7	0.7	0.44	0.7	0.53	0.7	0.73	0.7	0.56
8	0.7	0.43	0.7	0.51	0.7	0.71	0.7	0.54
9	0.7	0.42	0.7	0.50	0.7	0.69	0.7	0.52
10	0.7	0.41	0.7	0.48	0.7	0.68	0.7	0.51
11	0.7	0.39	0.7	0.47	0.7	0.66	0.7	0.49
12	0.7	0.38	0.7	0.45	0.7	0.65	0.7	0.48
13	0.7	0.37	0.7	0.44	0.7	0.63	0.7	0.46
14	0.7	0.36	0.7	0.43	0.7	0.62	0.7	0.45
15	0.7	0.35	0.7	0.41	0.7	0.60	0.7	0.43
16	0.7	0.34	0.7	0.40	0.7	0.59	0.7	0.42
17	0.7	0.32	0.7	0.38	0.7	0.58	0.7	0.40
18	0.7	0.31	0.7	0.36	0.7	0.57	0.7	0.39
19	0.7	0.31	0.7	0.37	0.7	0.55	0.7	0.38
20	0.7	0.30	0.7	0.36	0.7	0.54	0.7	0.37
21	0.7	0.30	0.7	0.35	0.7	0.53	0.7	0.36
22	0.7	0.30	0.7	0.35	0.7	0.52	0.7	0.36
23	0.7	0.30	0.7	0.35	0.7	0.52	0.7	0.36
24	0.7	0.30	0.7	0.35	0.7	0.51	0.7	0.36
25	0.7	0.30	0.7	0.34	0.7	0.52	0.7	0.36
26	0.7	0.30	0.7	0.34	0.7	0.52	0.7	0.36
27	0.7	0.30	0.7	0.34	0.7	0.52	0.7	0.36
28	0.7	0.30	0.7	0.34	0.7	0.52	0.7	0.36
29	0.7	0.29	0.7	0.34	0.7	0.52	0.7	0.36
30	0.7	0.30	0.7	0.34	0.7	0.52	0.7	0.36
31	0.7	0.30	0.7	0.34	0.7	0.52	0.7	0.36

DWR 06/01/09

Attachment 1

**Summary of Compliance and Exceedences for Past, Current, and Next Quarters**

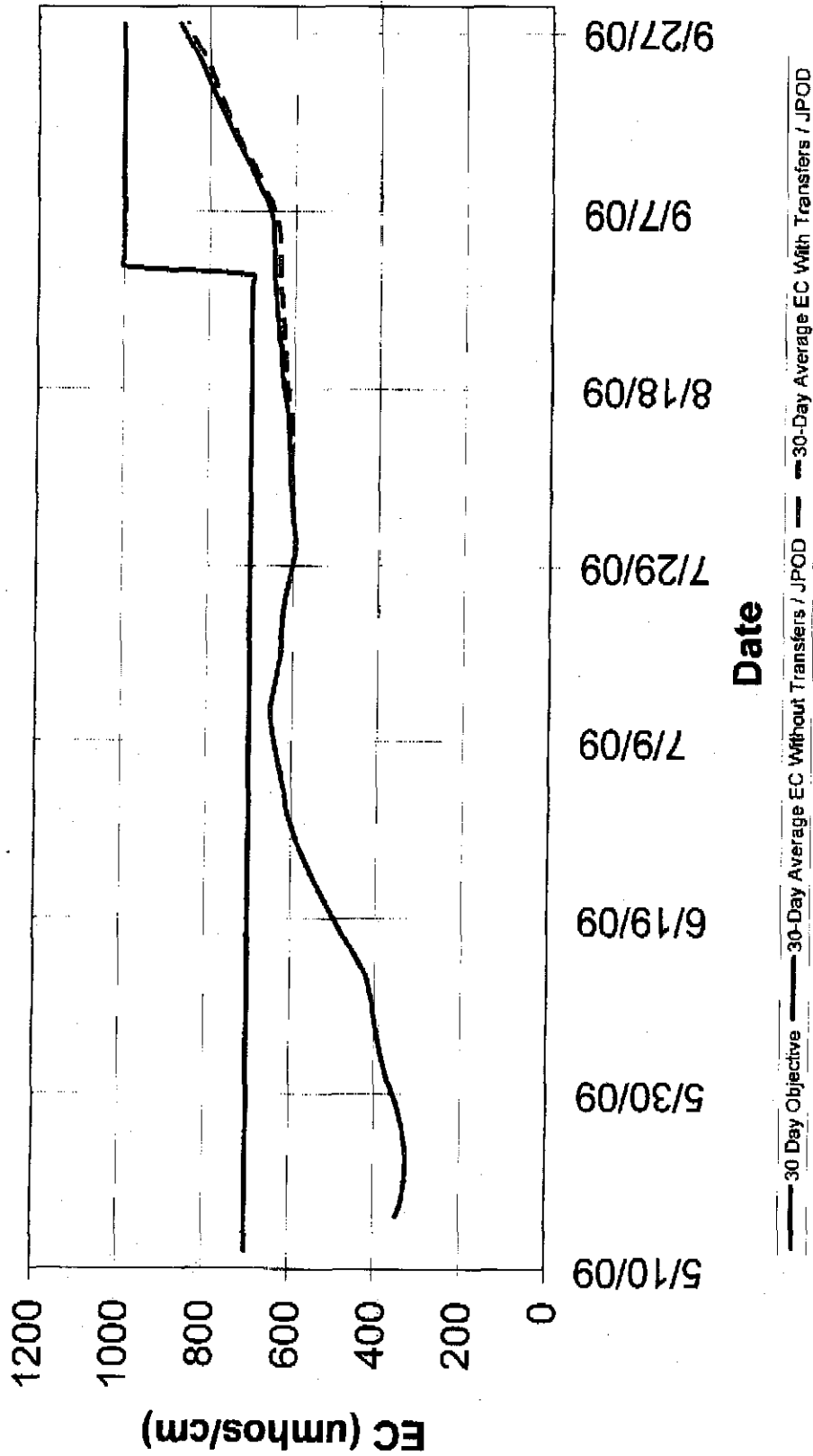
	San Joaquin River at Vernalis		San Joaquin River at Brandt Bridge		Old River near Tracy Road Bridge		Old River near Middle River	
	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values	30-day EC objective	30-day running average values
<i>Next Quarter</i>								
June 2008	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
July 2009	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
August 2009	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

\*\* Projected values based on DSM2 modeling results (attached)

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Attachment 2

### Simulated EC @ Old River at Tracy Road



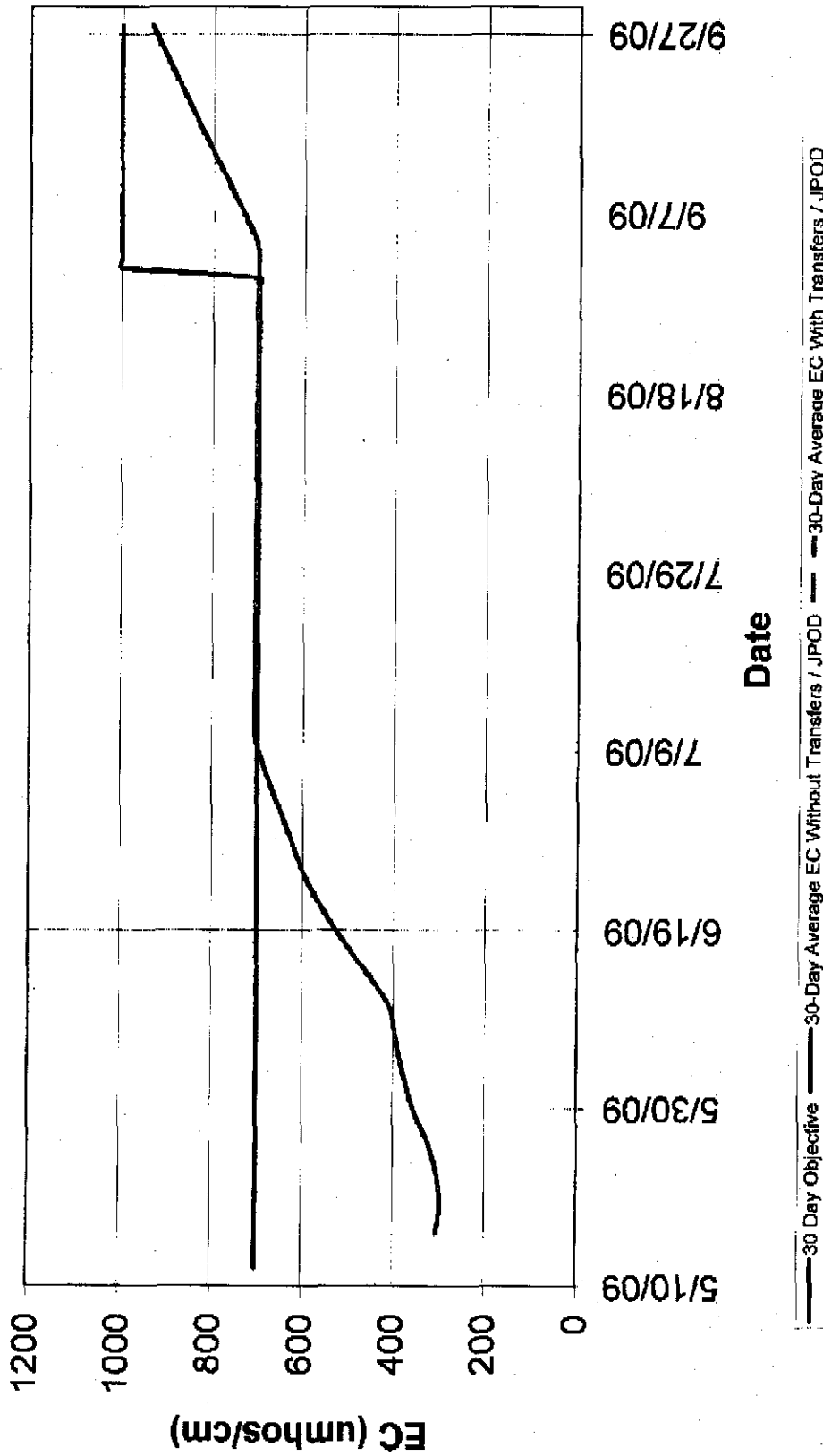
As of May 19, 2009

DWR 06/01/09



Attachment 2

### Simulated EC @ Old River Near Middle River

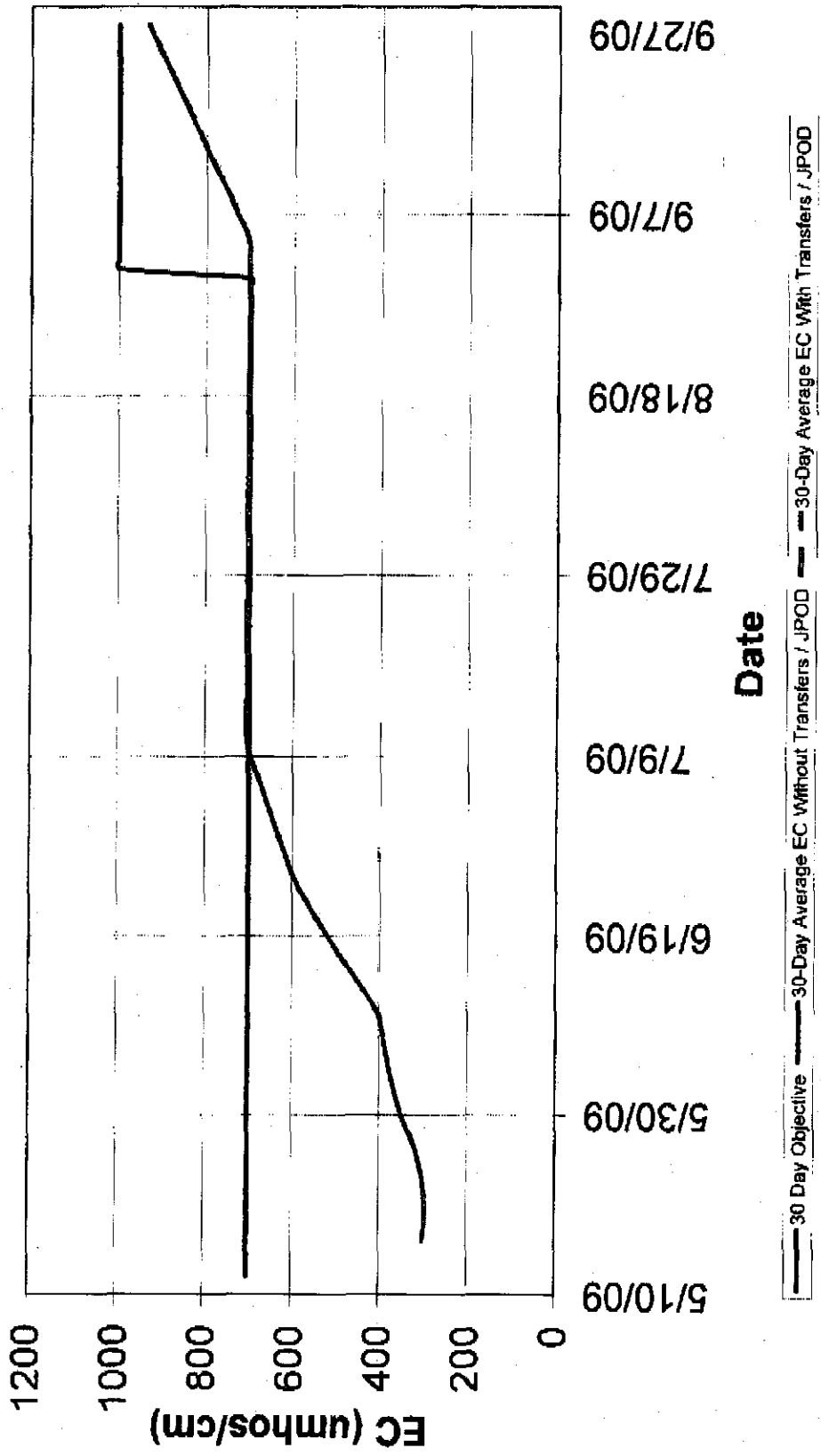


As of May 19, 2009

DWR 06/01/09

Attachment 2

### Simulated EC @ San Joaquin River at Brandt Bridge

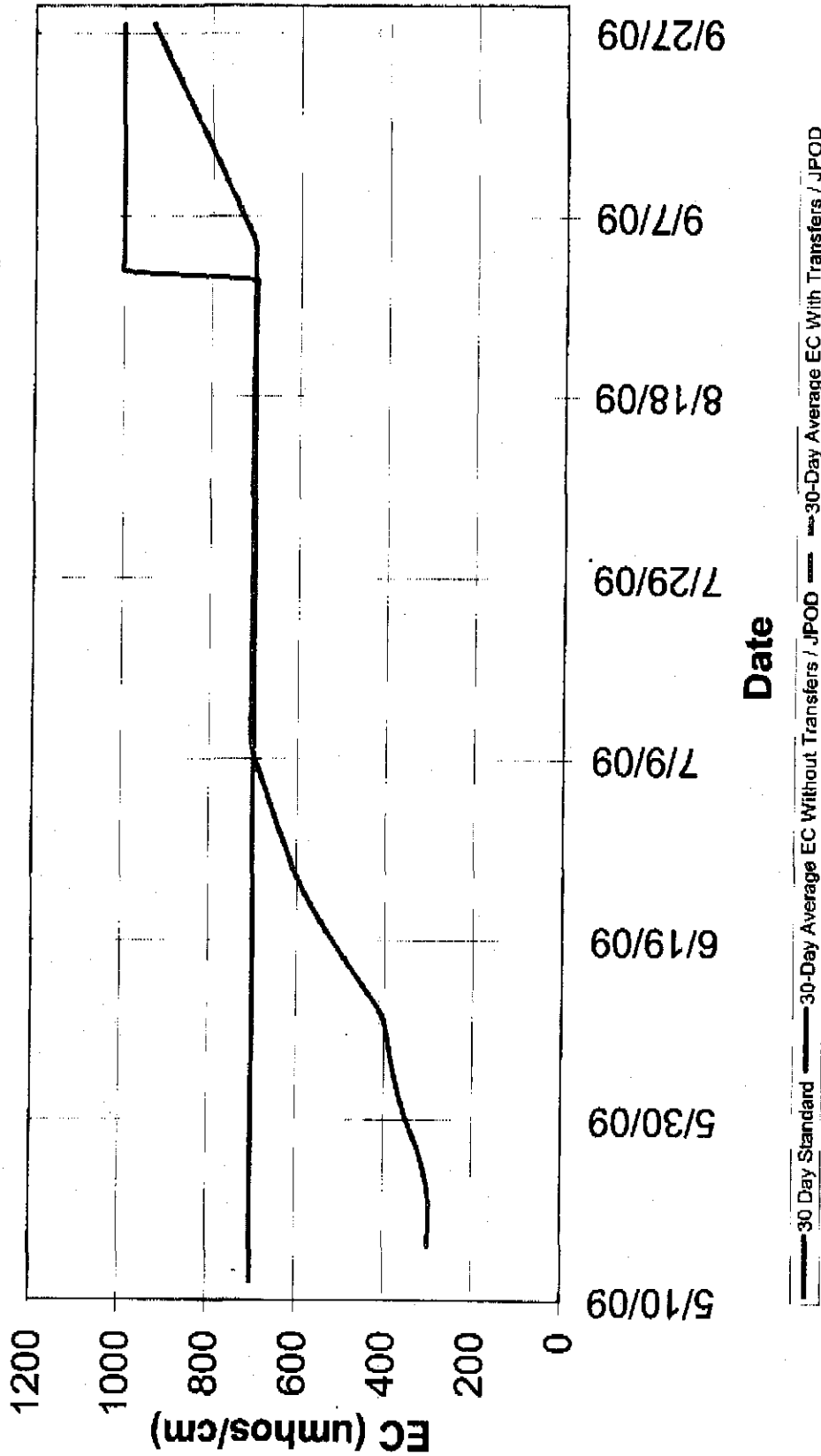


As of May 19, 2009

DWR 06/01/09

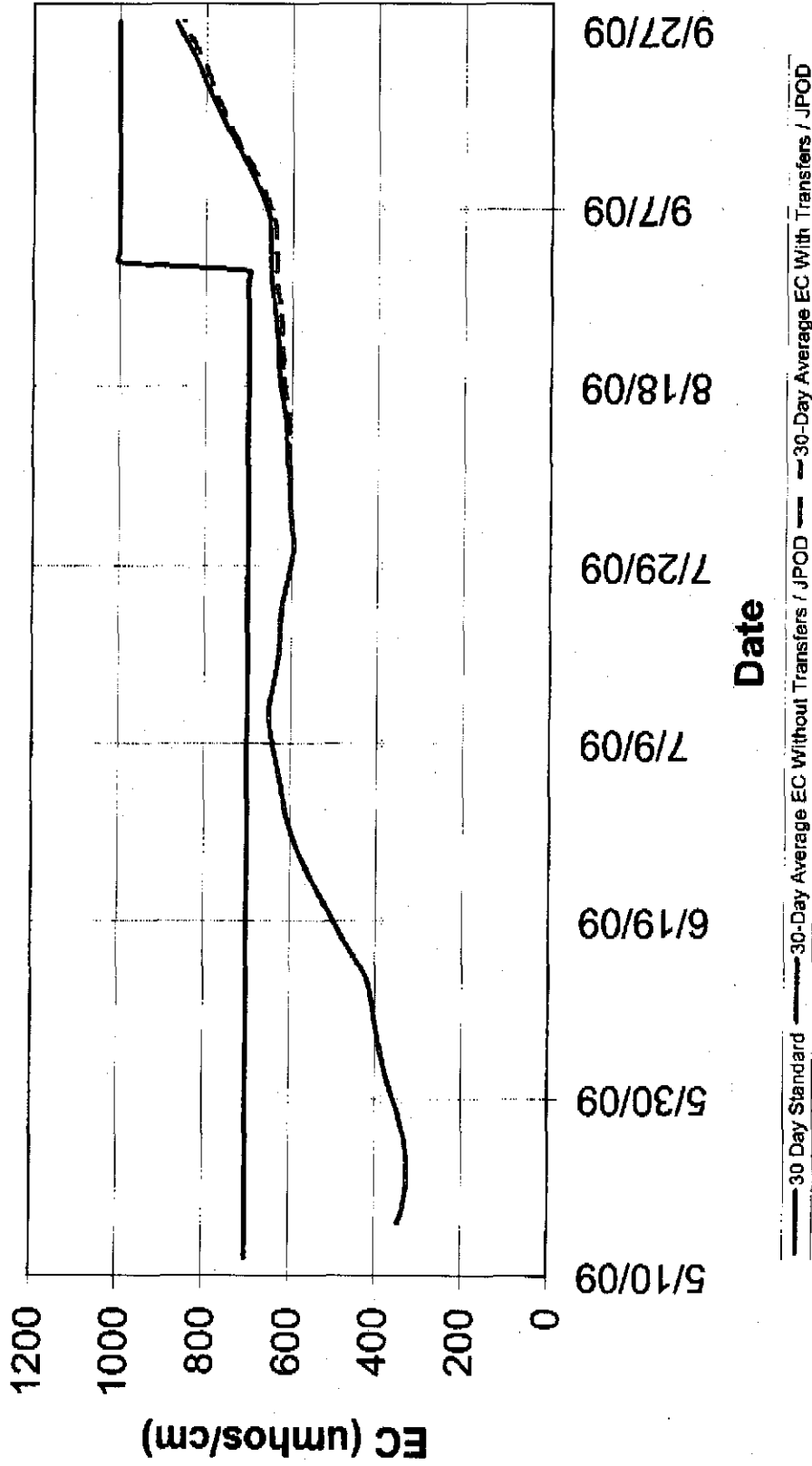
Attachment 3

### Simulated EC @ San Joaquin River at Brandt Bridge



Attachment 3

### Simulated EC @ Old River at Tracy Road



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Attachment 3

### Simulated EC @ Old River Near Middle River

