

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 3/2/2016 to 3/9/2016

This water quality report is produced by the Department of Water Resources, Division of Operations and Maintenance, Water Quality Section.

To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm and use the map to click on a station name to link to the station's data on the California Data Exchange Center (CDEC) website.

I. Summary

California Aqueduct	3/2/2016	3/9/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	391	468	+ 20	393
Temperature, $^{\circ}\text{C}$	16.4	15.7	- 4	16.2
Turbidity, NTU	9.7	8.7	- 10	10.1
pH	7.4	7.9	+ 7	7.5
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	365	351	- 4	350
Temperature, $^{\circ}\text{C}$	16.9	14.8	- 12	16.3
Turbidity, NTU	m	m	---	---
pH	7.7	8.1	+ 5	7.9
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S}/\text{cm}$	490	456	- 7	469
Temperature, $^{\circ}\text{C}$	17.1	16.3	- 5	16.6
Turbidity, NTU	8.6	7.1	- 17	7.4
pH	8.3	8.3	< 1	8.2
Check 21 (C21)				
Salinity (EC), $\mu\text{S}/\text{cm}$	717	520	- 27	593
Temperature, $^{\circ}\text{C}$	15.8	16.3	+ 3	16.1
Turbidity, NTU	6.7	3.3	- 51	5.3
pH	8.3	7.9	- 5	8.0

Check 41 (C41)				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---
Castaic Lake Outlet (CSO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	548	m	---	554
Temperature, $^{\circ}\text{C}$	12.4	m	---	12.2
Turbidity, NTU	2.3	m	---	1.8
pH	8.0	m	---	7.8
Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	579	735	+ 27	641
Temperature, $^{\circ}\text{C}$	19.4	18.4	- 5	16.7
Turbidity, NTU	12.6	2.2	- 83	2.9
Devil Canyon 2nd Afterbay (DC2)				
Salinity (EC), $\mu\text{S}/\text{cm}$	644	643	< 1	655
Turbidity, NTU	8.3	8.4	+ 1	8.3

'm' indicates missing data. '---' indicates 'not applicable'. All data are preliminary and subject to revision without notice.

II. Notes (updated on 3/9/2016)

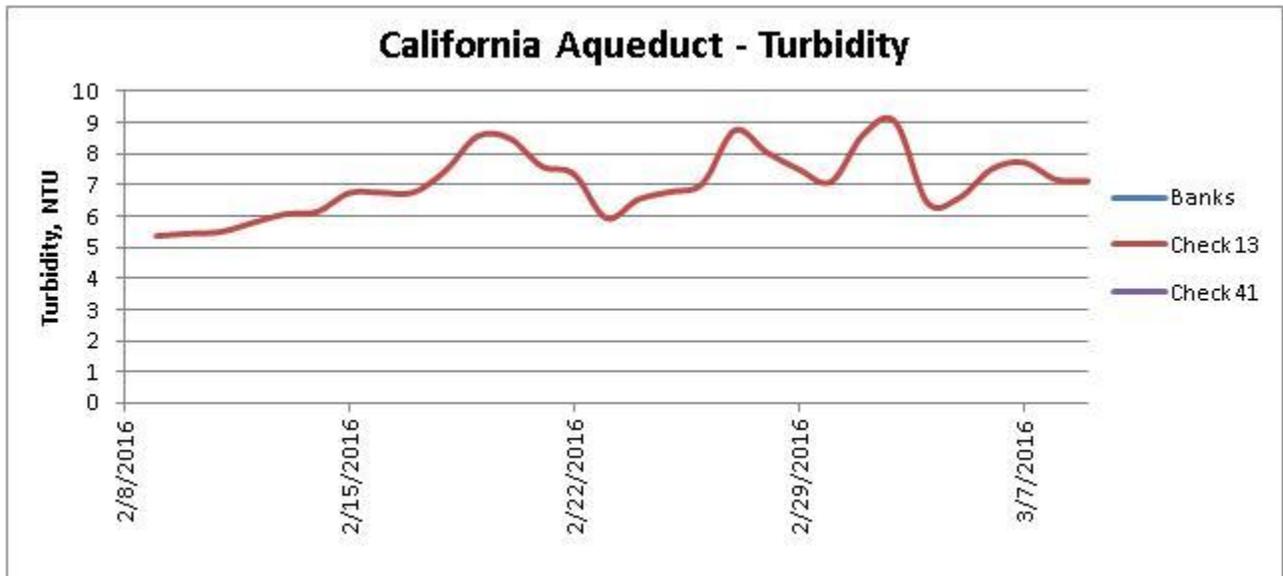
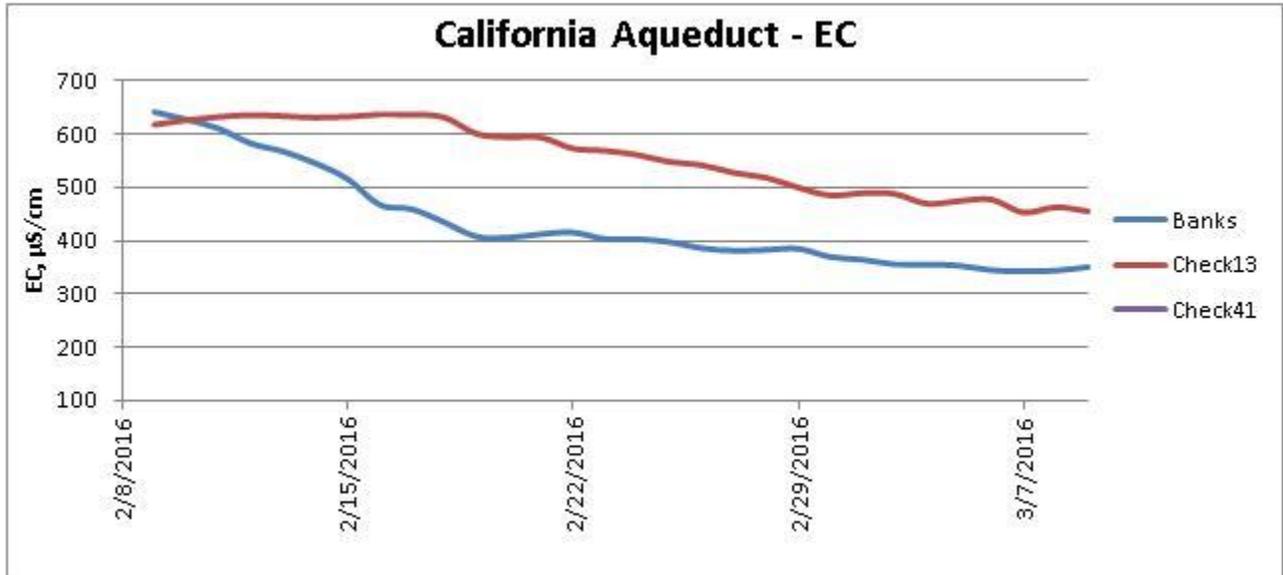
Banks Pumping Plant: Turbidity and UVA data are unavailable.

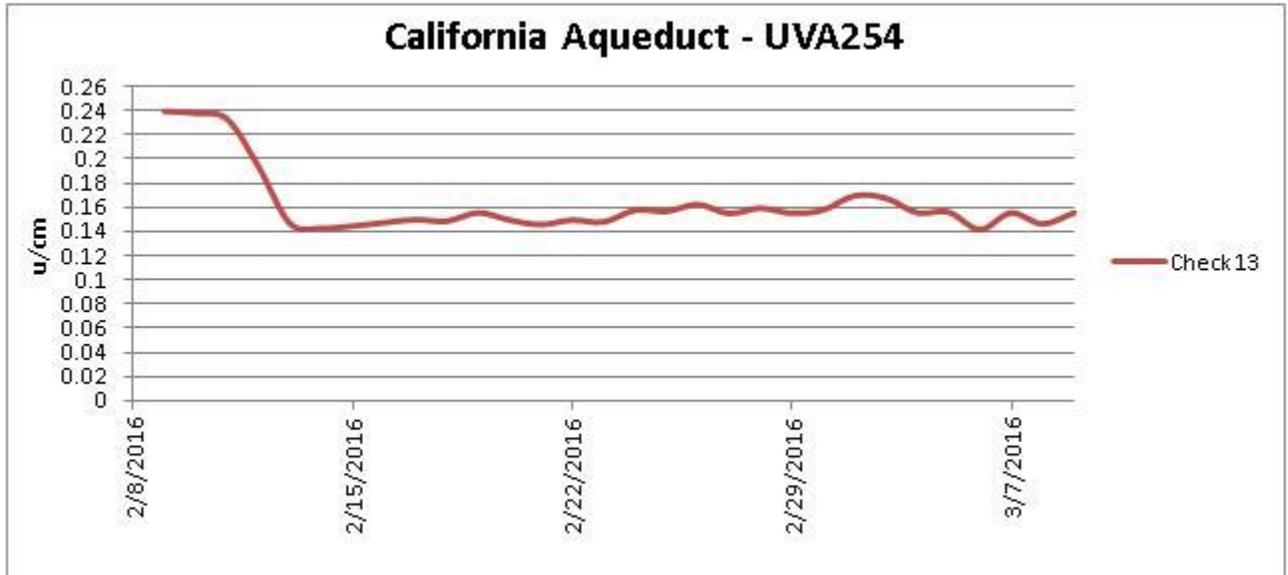
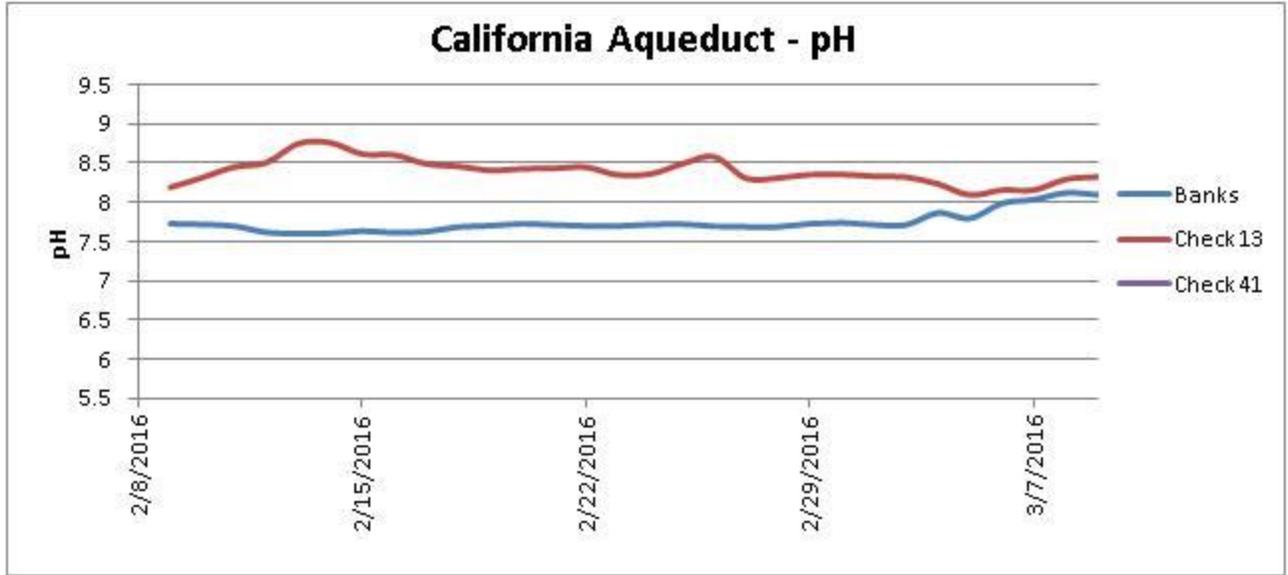
Check 41: Communications are down at this station.

Castaic: Communications are down at this station.

Taste and Odor: MIB and geosmin concentrations in water sampled on March 7, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, and Dyer Reservoir ranged from < 1 to 3 ng/L. MIB concentrations were < 1 ng/L at all of the sites. Geosmin concentrations ranged from 1 ng/L at Banks Pumping Plant and Del Valle Check 7 to 3 ng/L at Dyer Reservoir.

III. 30-Day Charts for Selected Sites:





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I. Summary

North Bay Aqueduct	3/2/2016	3/9/2016	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S}/\text{cm}$	579	m	---	560
Temperature, $^{\circ}\text{C}$	16.0	m	---	15.5
Turbidity, NTU	10.7	m	---	8.8

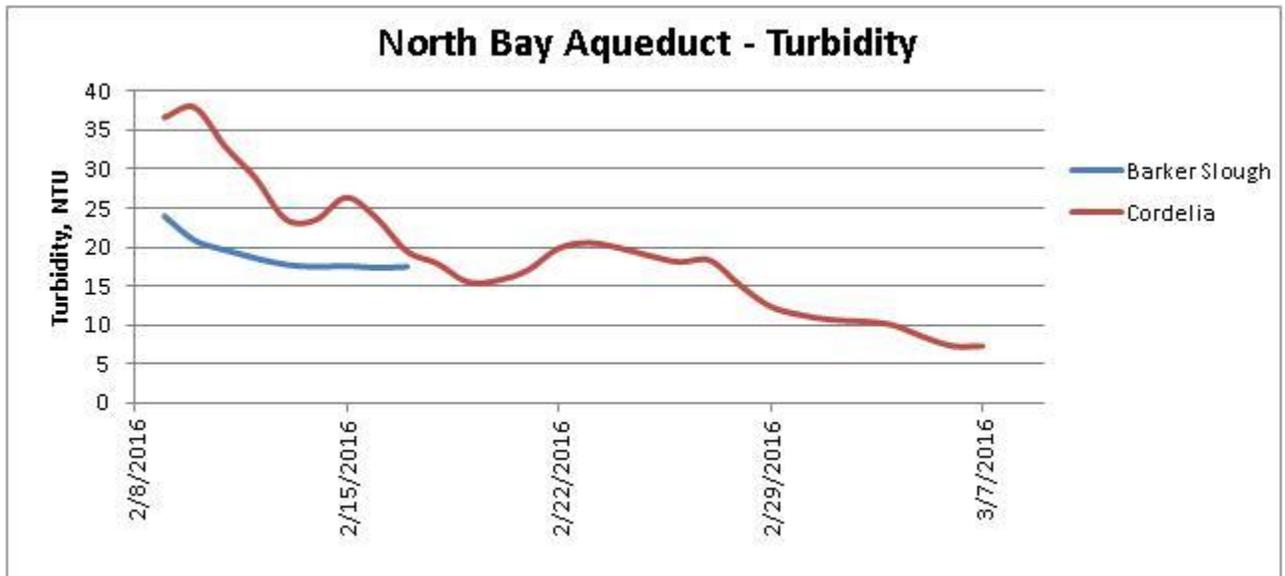
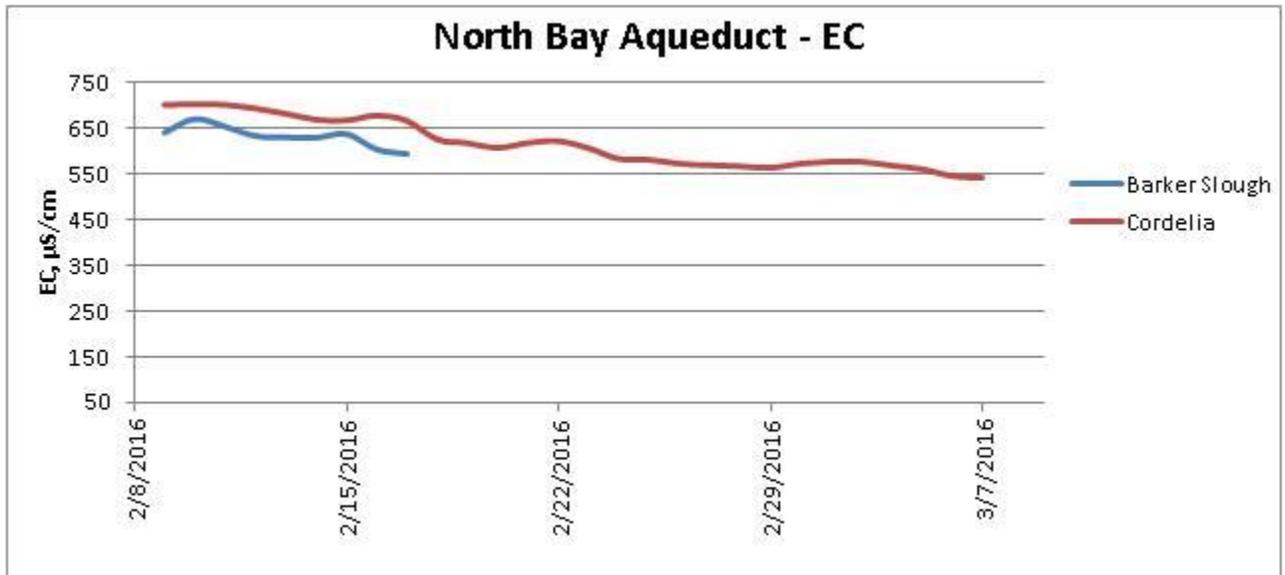
'm' indicates missing data. '---' indicates 'not applicable'. All data are preliminary and subject to revision without notice.

II. Notes (updated on 3/9/2016)

Barker Slough Pumping Plant: No data available due to an electrical problem.

Cordelia Pumping Plant: Communications are down at this station.

III. 30-Day Charts for Selected Sites:



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I. Summary

South Bay Aqueduct	3/2/2016	3/9/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	391	468	+ 20	393
Temperature, $^{\circ}\text{C}$	16.4	15.7	- 4	16.2
Turbidity, NTU	9.7	8.7	- 10	10.1
pH	7.4	7.9	+ 7	7.5
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	365	351	- 4	350
Temperature, $^{\circ}\text{C}$	16.9	14.8	- 12	16.3
Turbidity, NTU	m	m	---	---
pH	7.7	8.1	+ 5	7.9
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S}/\text{cm}$	386	378	- 2	371
Temperature, $^{\circ}\text{C}$	16.5	15.2	- 8	15.8
Turbidity, NTU	16.5	12.4	- 25	14.2
pH	8.0	7.8	- 3	7.6
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	558	551	- 1	549
Temperature, $^{\circ}\text{C}$	11.7	11.7	< 1	11.6
Turbidity, NTU	3.8	3.7	- 3	3.7
pH	7.9	7.8	- 1	7.9

Vallecitos (VSB)				
Salinity (EC), $\mu\text{S}/\text{cm}$	385	372	- 3	366
Temperature, $^{\circ}\text{C}$	16.2	14.7	- 9	15.6
Turbidity, NTU	10.9	9.4	- 14	9.9
pH	8.0	8.0	< 1	7.8

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II. Notes (updated on 3/9/2016)

Taste and Odor: MIB and geosmin concentrations in water sampled on March 7, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, and Dyer Reservoir ranged from < 1 to 3 ng/L. MIB concentrations were < 1 ng/L at all of the sites. Geosmin concentrations ranged from 1 ng/L at Banks Pumping Plant and Del Valle Check 7 to 3 ng/L at Dyer Reservoir.

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