

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 2/3/2016 to 2/10/2016

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	2/3/2016	2/10/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	628	554	- 12	602
Temperature, $^{\circ}\text{C}$	10.9	12.6	+ 16	11.7
Turbidity, NTU	10.3	14.5	+ 41	11.7
pH	7.7	7.6	- 1	7.6
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	571	628	+ 10	615
Temperature, $^{\circ}\text{C}$	10.1	12.8	+ 27	11.5
Turbidity, NTU	m	m	---	---
pH	8.2	7.7	- 6	7.9
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S}/\text{cm}$	602	627	+ 4	612
Temperature, $^{\circ}\text{C}$	11.7	13.7	+ 17	12.3
Turbidity, NTU	7.8	5.4	- 31	6.1
pH	8.0	8.3	+ 4	8.1
Check 21 (C21)				
Salinity (EC), $\mu\text{S}/\text{cm}$	658	681	+ 3	674
Temperature, $^{\circ}\text{C}$	10.3	12.7	+ 23	11.7
Turbidity, NTU	11.0	1.7	- 85	4.1
pH	8.2	8.6	+ 5	8.4

Check 29 (C29)				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---

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), $\mu\text{S}/\text{cm}$	546	545	< 1	544
Temperature, $^{\circ}\text{C}$	10.5	11.3	+ 8	10.9
Turbidity, NTU	3.1	2.0	- 35	2.6
pH	m	8.8	---	8.5

Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	594	568	- 4	597
Temperature, $^{\circ}\text{C}$	9.4	11.5	+ 22	10.1
Turbidity, NTU	4.3	1.3	-70	2.8

Devil Canyon 2nd Afterbay (DC2)				
Salinity (EC), $\mu\text{S}/\text{cm}$	678	637	- 6	661
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	8.5	8.7	+ 2	8.7

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

II. Notes (updated on 2/10/2016)

Banks Pumping Plant: Turbidity and UVA data are temporarily unavailable.

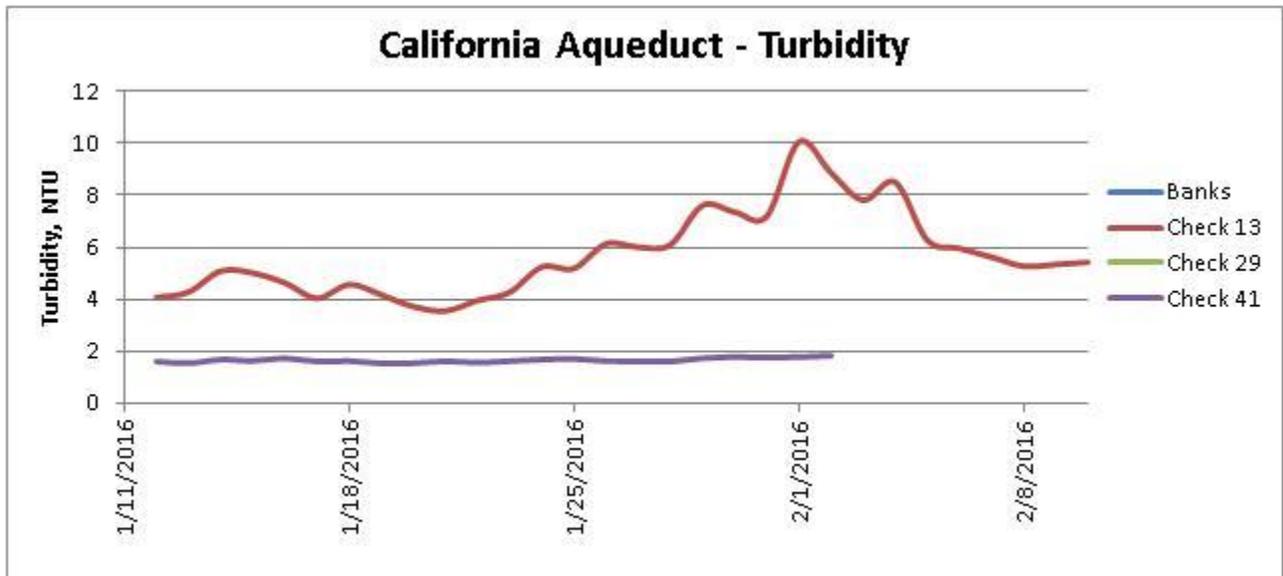
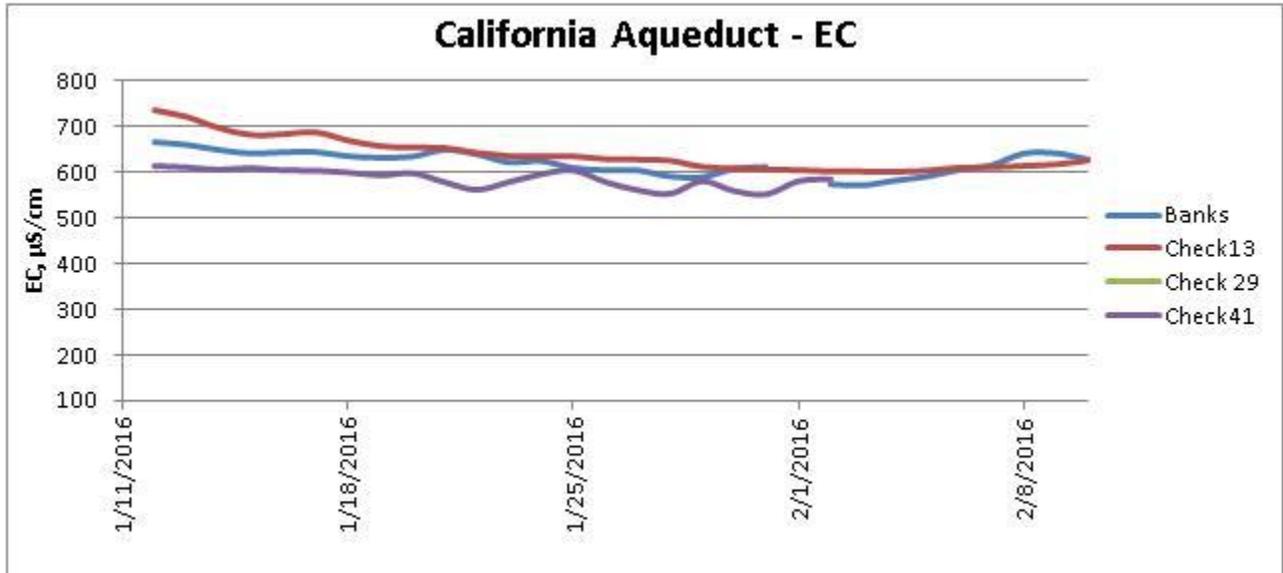
Check 29: The automated water quality station is temporarily down. The estimated timeframe for bringing the station back online is late February.

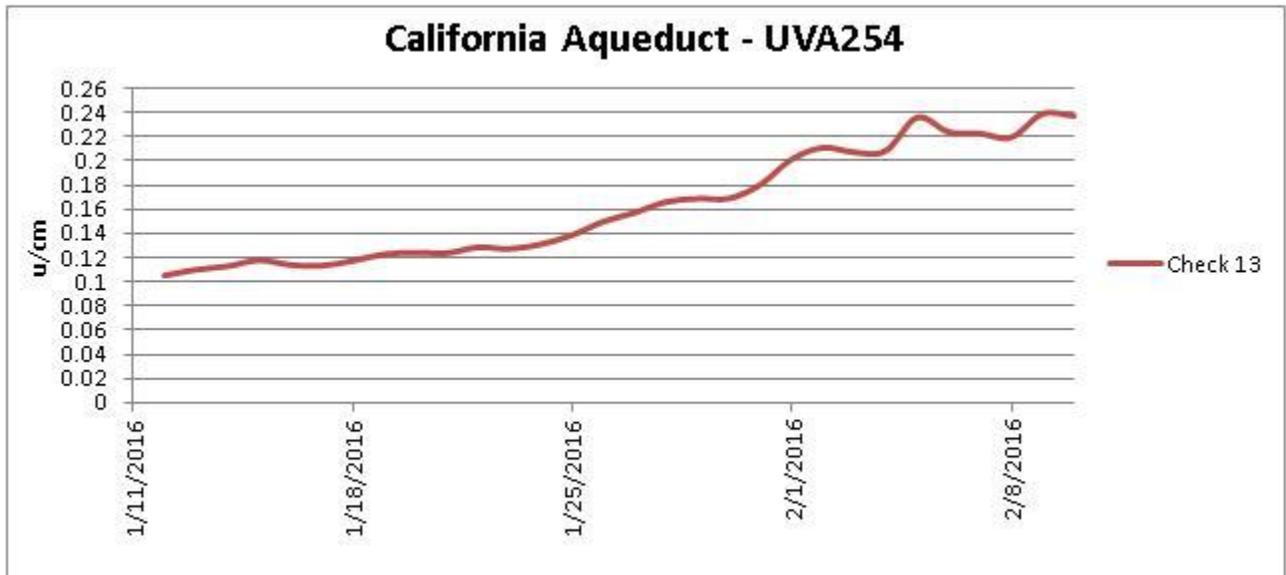
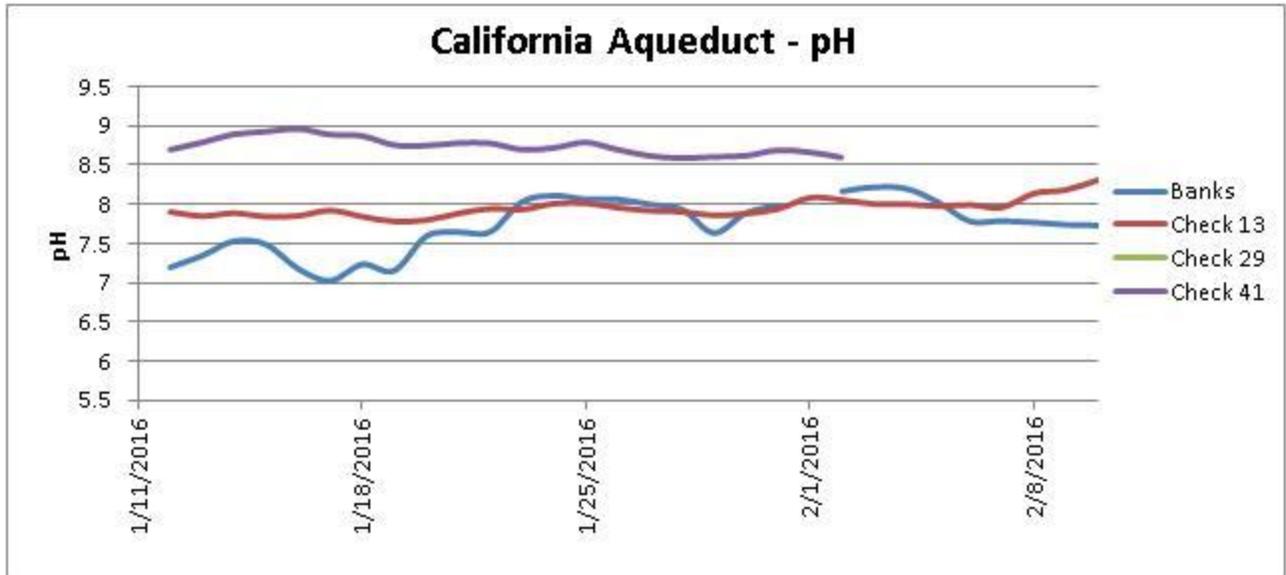
Check 41: Communications are temporarily down at this station.

Taste and Odor: MIB and geosmin concentrations in water sampled on February 1, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Pacheco Pumping Plant, and Gianelli Pumping Plant ranged from < 1 to 4 ng/L. MIB concentrations ranged from < 1 ng/L at Lake Del Valle Outlet and Dyer Reservoir to 4 ng/L at O'Neill Forebay Outlet (Check 13). Geosmin

concentrations ranged from < 1 ng/L at Lake Del Valle Outlet and Pacheco Pumping Plant to 3 ng/L at Banks Pumping Plant, Dyer Reservoir, and O'Neill Forebay Outlet.

III. 30-Day Charts for Selected Sites:





SWP 7-Day Water Quality Summary Report - North Bay Aqueduct

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I. Summary

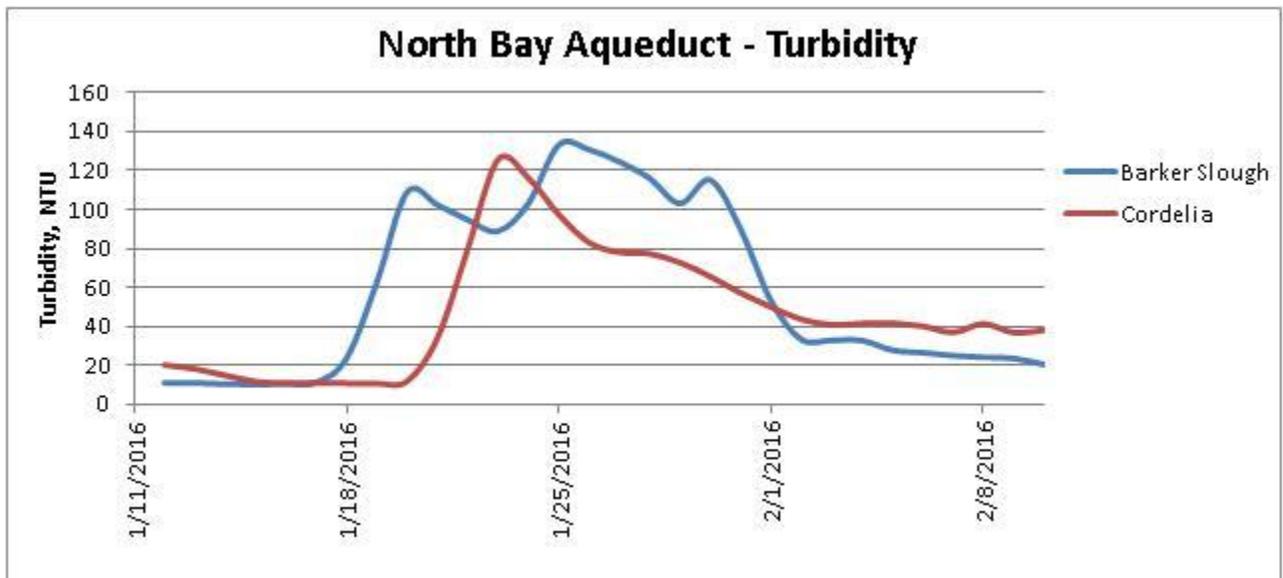
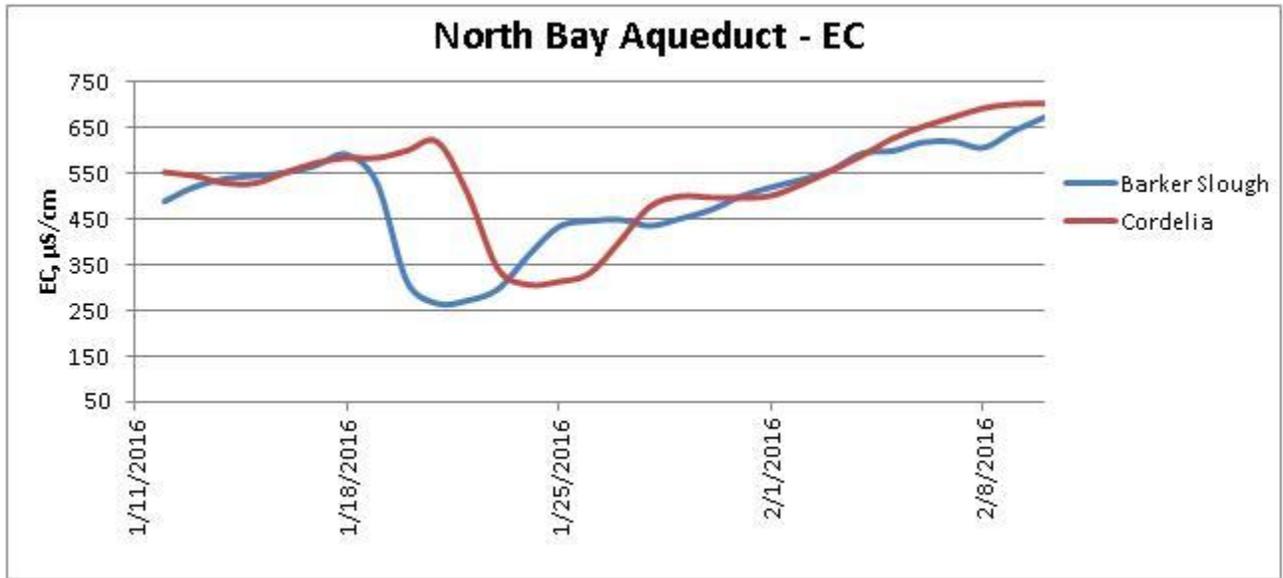
North Bay Aqueduct	2/3/2016	2/10/2016	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S/cm}$	557	672	+ 21	621
Temperature, $^{\circ}\text{C}$	9.6	12.0	+ 25	10.8
Turbidity, NTU	33.3	20.9	- 37	26.1
pH	7.4	7.4	< 1	7.4
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S/cm}$	555	701	+ 26	661
Temperature, $^{\circ}\text{C}$	12.1	11.5	- 5	11.2
Turbidity, NTU	40.6	37.9	- 7	39.3

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II. Notes (updated on 2/10/2016)

N/A

III. 30-Day Charts for Selected Sites:



SWP 7-Day Water Quality Summary Report - South Bay Aqueduct

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Clifton Court (CLC)				
Salinity (EC), $\mu\text{S/cm}$	628	554	- 12	602
Temperature, $^{\circ}\text{C}$	10.9	12.6	+ 16	11.7
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Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S/cm}$	571	628	+ 10	615
Temperature, $^{\circ}\text{C}$	10.1	12.8	+ 27	11.5
Turbidity, NTU	m	m	---	---
pH	8.2	7.7	- 6	7.9
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S/cm}$	m	616	---	606
Temperature, $^{\circ}\text{C}$	m	12.6	---	11.8
Turbidity, NTU	m	13.8	---	17.4
pH	m	8.0	---	7.9
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S/cm}$	542	541	< 1	540
Temperature, $^{\circ}\text{C}$	10.7	10.9	+ 2	10.8
Turbidity, NTU	10.7	8.7	- 19	9.6
pH	8.1	8.1	< 1	8.1

Vallecitos (VSB)				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---

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II. Notes (updated on 2/10/2016)

Vallecitos: The station is temporarily down.

Del Valle Check 7: Data missing due to a malfunctioning pump. The pump was replaced on February 5.

Taste and Odor: MIB and geosmin concentrations in water sampled on February 1, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Pacheco Pumping Plant, and Gianelli Pumping Plant ranged from < 1 to 4 ng/L. MIB concentrations ranged from < 1 ng/L at Lake Del Valle Outlet and Dyer Reservoir to 4 ng/L at O'Neill Forebay Outlet (Check 13). Geosmin concentrations ranged from < 1 ng/L at Lake Del Valle Outlet and Pacheco Pumping Plant to 3 ng/L at Banks Pumping Plant, Dyer Reservoir, and O'Neill Forebay Outlet.

III. 30-Day Charts for Selected Sites:

