

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 1/6/2016 to 1/13/2016

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	1/6/2016	1/13/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	679	608	-10	638
Temperature, $^{\circ}\text{C}$	8.6	9.5	+10	9.1
Turbidity, NTU	8.3	12.6	+52	9.5
pH	7.3	7.1	-3	7.2
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	695	661	-5	670
Temperature, $^{\circ}\text{C}$	8.7	9.7	+11	9.2
Turbidity, NTU	m	m	---	---
pH	7.2	7.3	+1	7.2
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S}/\text{cm}$	737	723	-2	739
Temperature, $^{\circ}\text{C}$	9.8	10.2	+4	9.9
Turbidity, NTU	4.4	4.3	-2	4.2
pH	7.9	7.8	-1	7.9
Check 21 (C21)				
Salinity (EC), $\mu\text{S}/\text{cm}$	677	685	+1	689
Temperature, $^{\circ}\text{C}$	9.0	10.0	+11	9.4
Turbidity, NTU	1.6	2.3	+44	4.2
pH	8.4	8.6	+2	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), $\mu\text{S}/\text{cm}$	633	609	-4	612
Temperature, $^{\circ}\text{C}$	12.1	13.5	+12	12.7
Turbidity, NTU	6.0	1.5	-75	2.5
pH	8.7	8.8	+1	8.8

Castaic Lake Outlet (CSO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	638	551	-14	551
Temperature, $^{\circ}\text{C}$	11.0	10.8	-2	10.9
Turbidity, NTU	2.4	4.1	+71	4.3
pH	8.4	8.2	-2	8.3

Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	624	634	+2	640
Temperature, $^{\circ}\text{C}$	8.7	9.1	+5	8.9
Turbidity, NTU	2.4	2.0	-17	2.4

Devil Canyon 2nd Afterbay (DC2)				
Salinity (EC), $\mu\text{S}/\text{cm}$	657	652	-1	658
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	9.1	9.6	+5	9.3

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

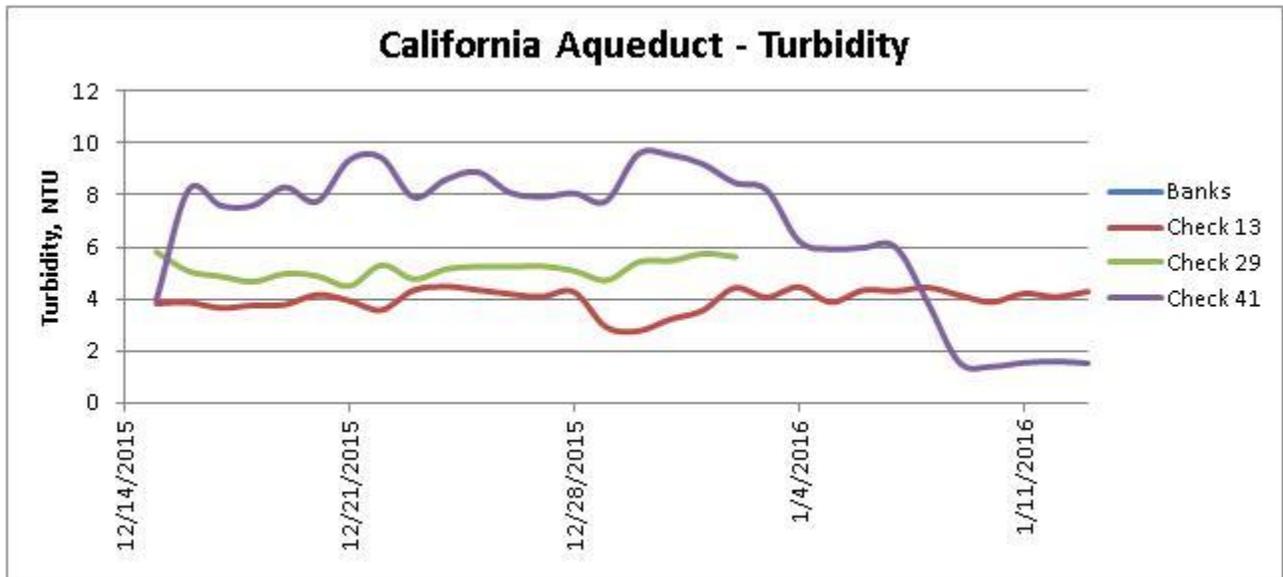
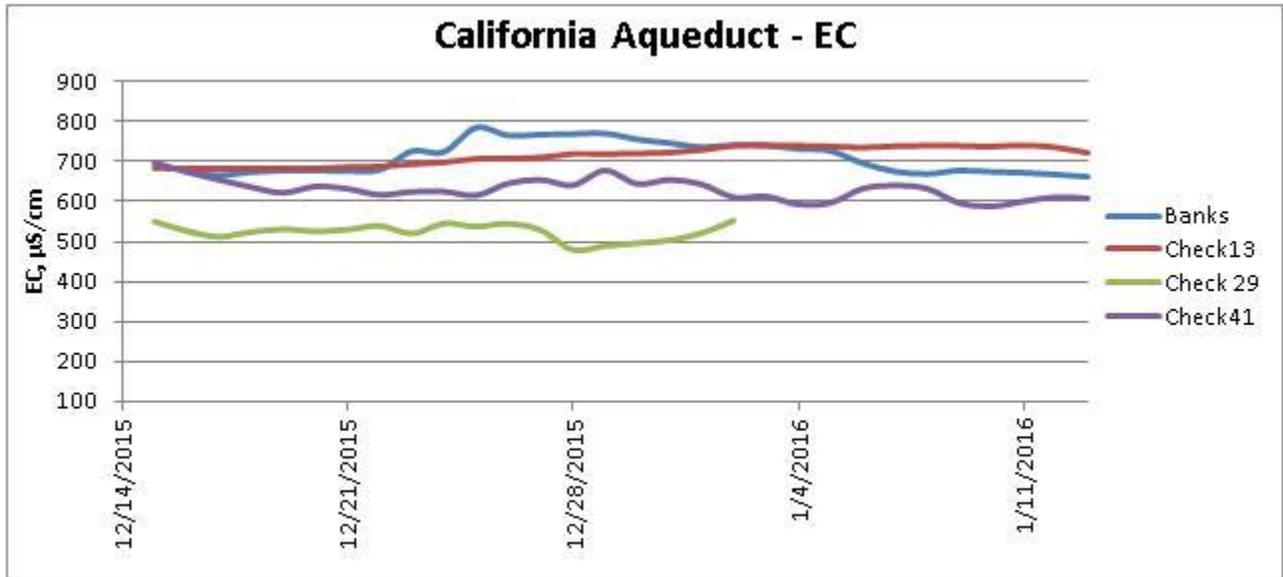
II. Notes (updated on 1/13/2016)

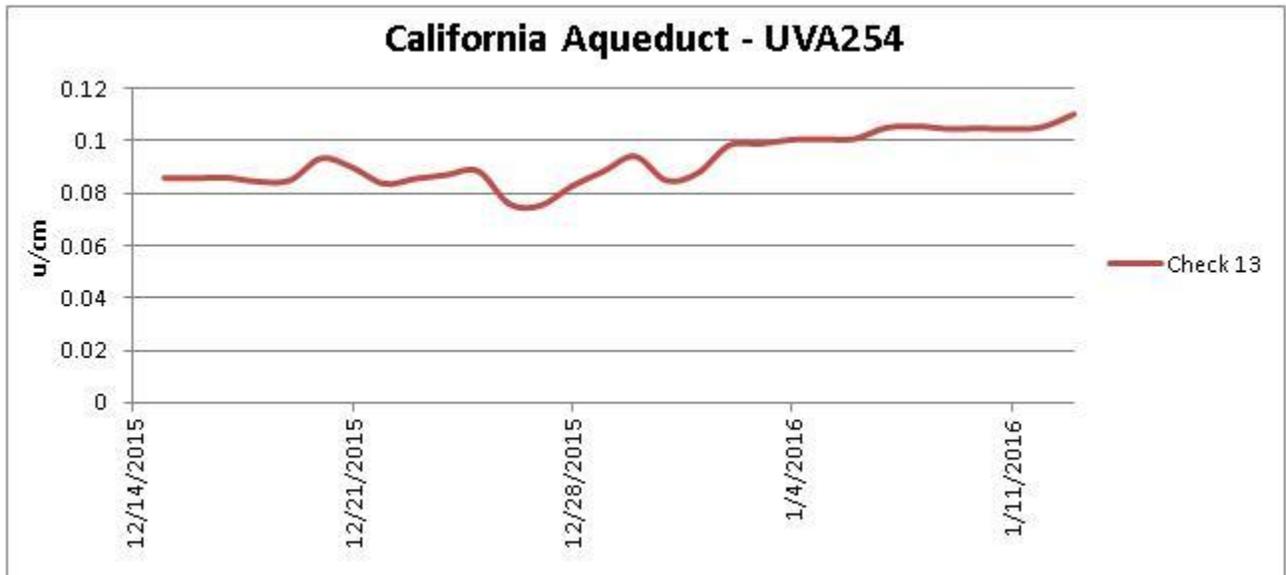
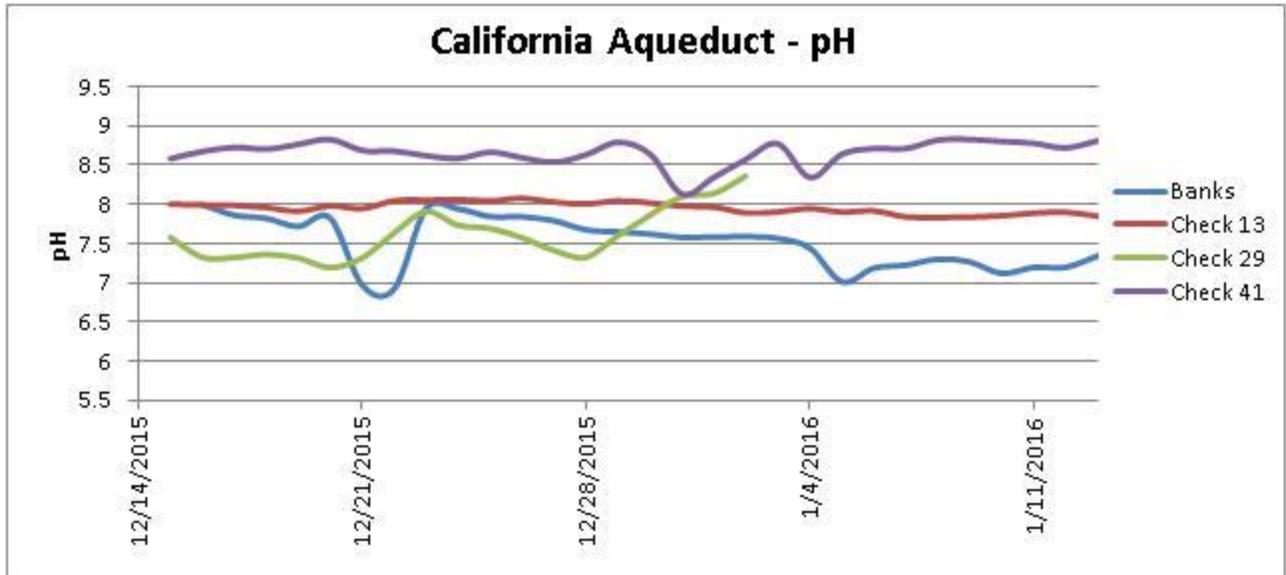
Banks Pumping Plant: Turbidity and UVA data are temporarily unavailable.

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

Taste and Odor: MIB and geosmin concentrations in water sampled on January 11, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Gianelli Pumping Plant, and Pacheco Pumping Plant ranged from < 1 to 7 ng/L. MIB concentrations ranged from 2 ng/L at Clifton Court Inlet, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, and Gianelli Pumping Plant to 7 ng/L at Pacheco Pumping Plant. Geosmin concentrations ranged from < 1 ng/L at Lake Del Valle Outlet to 5 ng/L at Banks Pumping Plant.

III. 30-Day Charts for Selected Sites:





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I. Summary

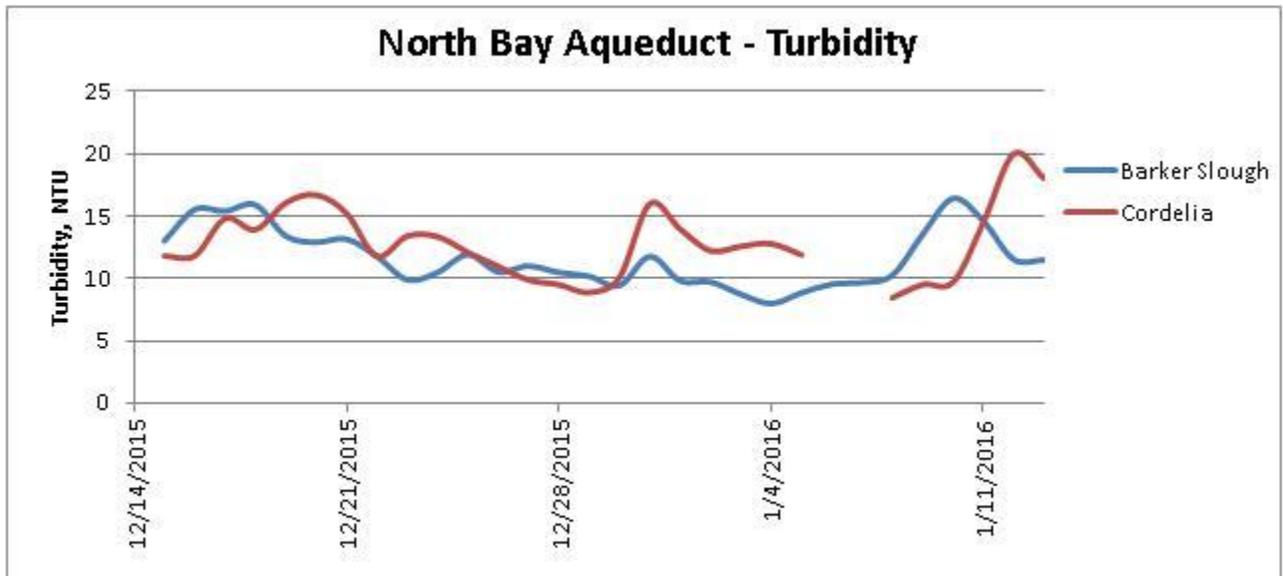
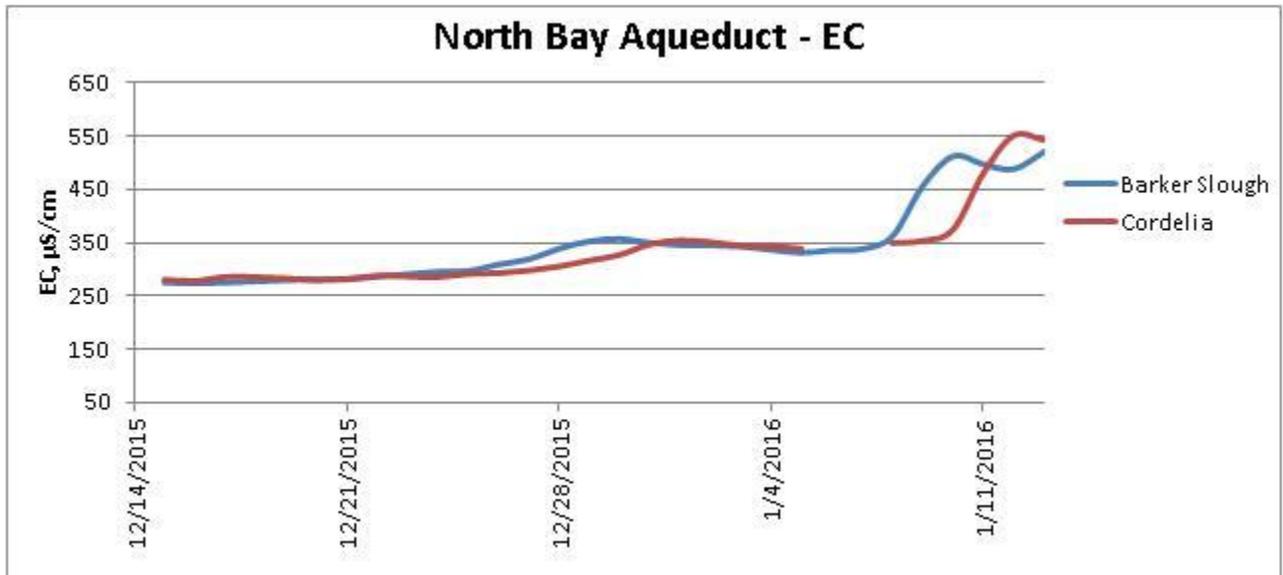
North Bay Aqueduct	1/6/2016	1/13/2016	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S}/\text{cm}$	337	520	+54	453
Temperature, $^{\circ}\text{C}$	8.6	10.2	+19	9.3
Turbidity, NTU	9.5	11.5	+21	12.5
pH	7.4	7.3	-1	7.3
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	543	---	443
Temperature, $^{\circ}\text{C}$	m	10.1	---	9.5
Turbidity, NTU	m	18.0	---	13.3

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II. Notes (updated on 1/13/2016)

Cordelia Pumping Plant: The water quality station was out of service from 1/5/16, 06:00 PST to 1/8/16, 12:00 PST due to a malfunctioning pump.

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Turbidity, NTU	m	m	---	---
pH	7.2	7.3	+1	7.2
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S/cm}$	756	691	- 9	719
Temperature, $^{\circ}\text{C}$	8.7	10.3	+18	9.3
Turbidity, NTU	11.0	8.3	-25	10.6
pH	7.6	7.7	+1	7.7
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S/cm}$	554	552	<1	552
Temperature, $^{\circ}\text{C}$	10.6	10.6	<1	10.6
Turbidity, NTU	5.9	5.2	-12	5.6
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 1/13/2016)

Vallecitos: The station is temporarily down.

Taste and Odor: MIB and geosmin concentrations in water sampled on January 11, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Gianelli Pumping Plant, and Pacheco Pumping Plant ranged from < 1 to 7 ng/L . MIB concentrations ranged from 2 ng/L at Clifton Court Inlet, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, and Gianelli Pumping Plant to 7 ng/L at Pacheco Pumping Plant. Geosmin concentrations ranged from $< 1 \text{ ng/L}$ at Lake Del Valle Outlet to 5 ng/L at Banks Pumping Plant.

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