

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 2/21/2016 to 2/28/2016

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	2/21/2016	2/28/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	400	406	1	398
Temperature, $^{\circ}\text{C}$	14.4	15.9	+ 10	15.1
Turbidity, NTU	13.5	55.1	+ 307	24.5
pH	7.4	7.5	1	7.4
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	413	384	-8	396
Temperature, $^{\circ}\text{C}$	14.5	16.4	+ 13	15.4
Turbidity, NTU	m	m	---	---
pH	7.7	7.7	-1	7.7
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S}/\text{cm}$	594	519	-13	549
Temperature, $^{\circ}\text{C}$	14.7	16.4	+ 11	15.8
Turbidity, NTU	7.6	8.1	+ 5	7.2
pH	8.4	8.3	-2	8.4
Check 21 (C21)				
Salinity (EC), $\mu\text{S}/\text{cm}$	694	706	1	697
Temperature, $^{\circ}\text{C}$	13.9	15.1	+ 8	14.7
Turbidity, NTU	1.7	6.0	+ 251	2.4
pH	8.6	8.7	1	8.8

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

Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	566	520	-9	561
Temperature, $^{\circ}\text{C}$	14.5	16.8	+ 15	14.6
Turbidity, NTU	2.1	47.3	+ 2130	10.6

Devil Canyon 2nd Afterbay (DC2)				
Salinity (EC), $\mu\text{S}/\text{cm}$	649	656	1	654
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	8.3	8.2	-2	8.3

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

II. Notes (updated on 2/28/2016)

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

Check 41: Communications are temporarily down at this station.

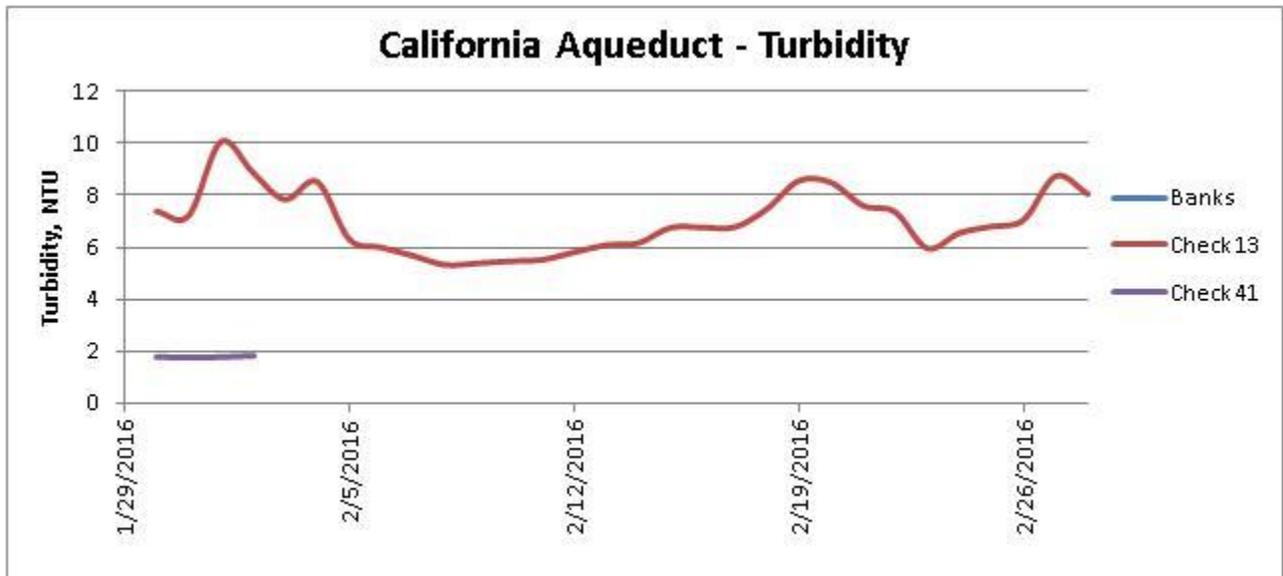
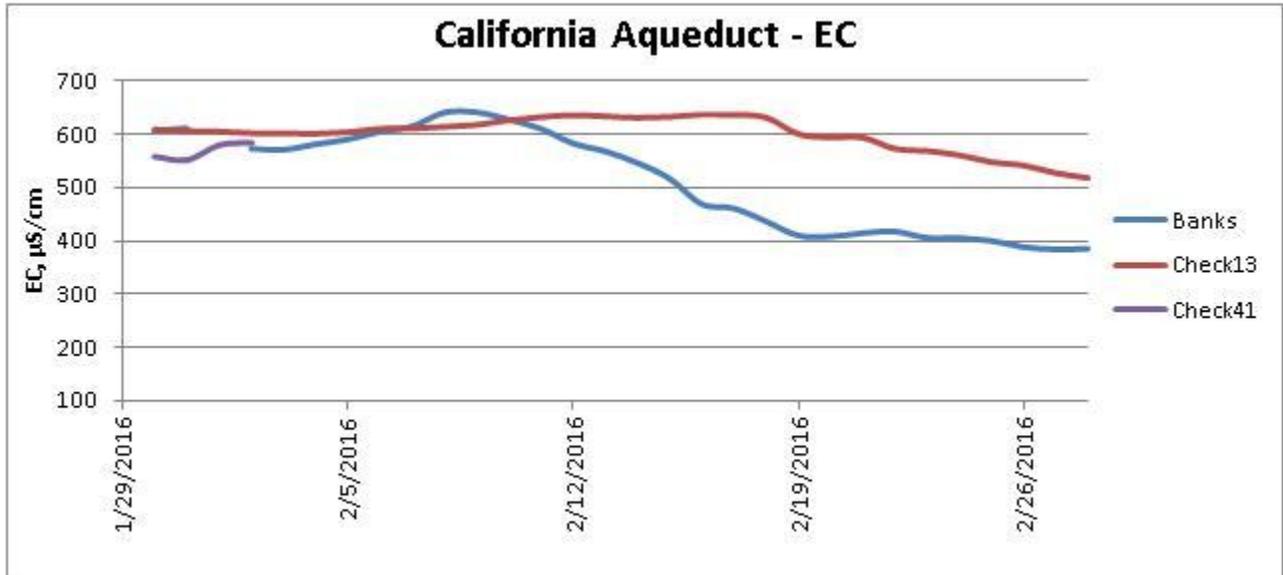
Castaic Lake: Communications are temporarily down at this station.

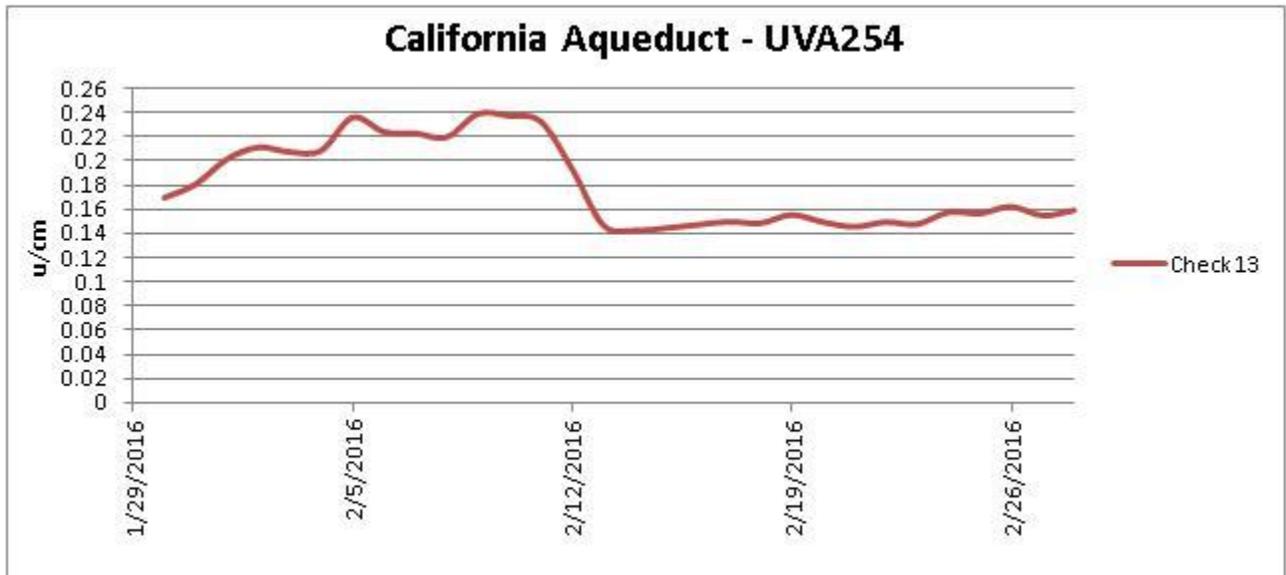
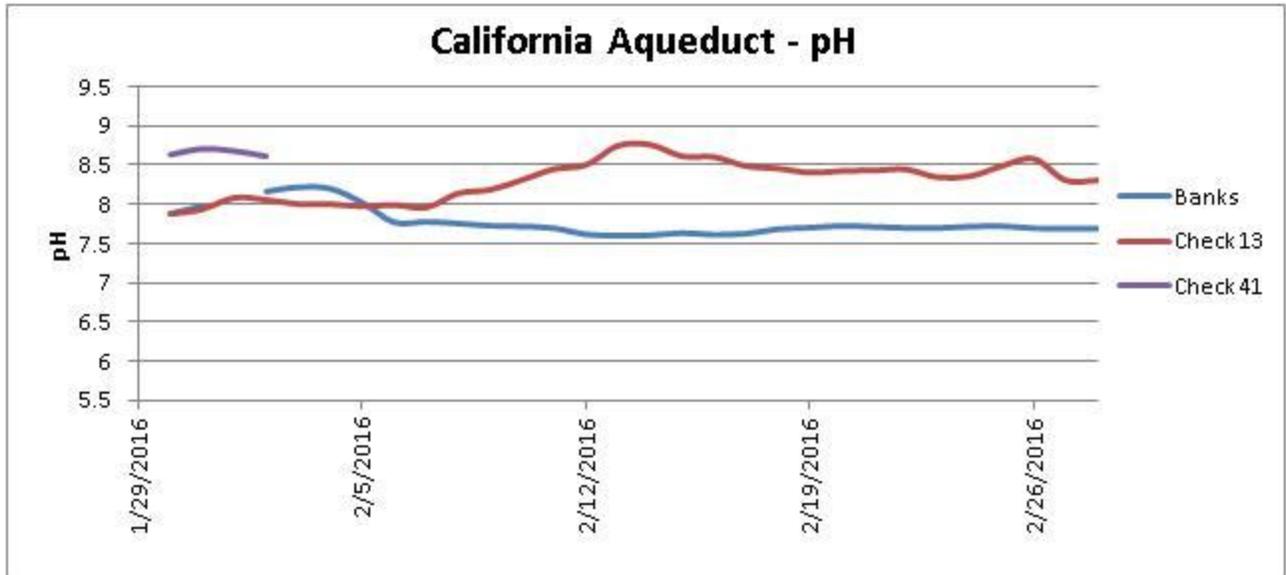
Taste and Odor: MIB and geosmin concentrations in water sampled on February 22 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Lake Del Valle Outlet, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Pacheco Pumping Plant, and Gianelli Pumping Plant and on February 23 at Lake Del Valle ranged from < 1 to 3 ng/L. MIB concentrations were < 1 ng/L at all locations except O'Neill Forebay Outlet, which had a concentration of 1 ng/L. Geosmin concentrations ranged from < 1 ng/L at Lake Del Valle Outlet, Lake Del Valle, and Pacheco Pumping Plant to 3 ng/L at O'Neill Forebay Outlet..

Bromide: Bromide concentrations at Banks Pumping Plant were stable over the past week. The bromide concentration at the Banks Pumping Plant (HRO) station on February 21 was 0.17 mg/L compared to 0.13 mg/L on February 28.

Total Organic Carbon: Total organic carbon (TOC) in the Delta decreased last week. TOC at Banks Pumping Plant (HRO) was 7.7 mg/L on February 21 and 7.4 mg/L on February 28.

III. 30-Day Charts for Selected Sites:





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I. Summary

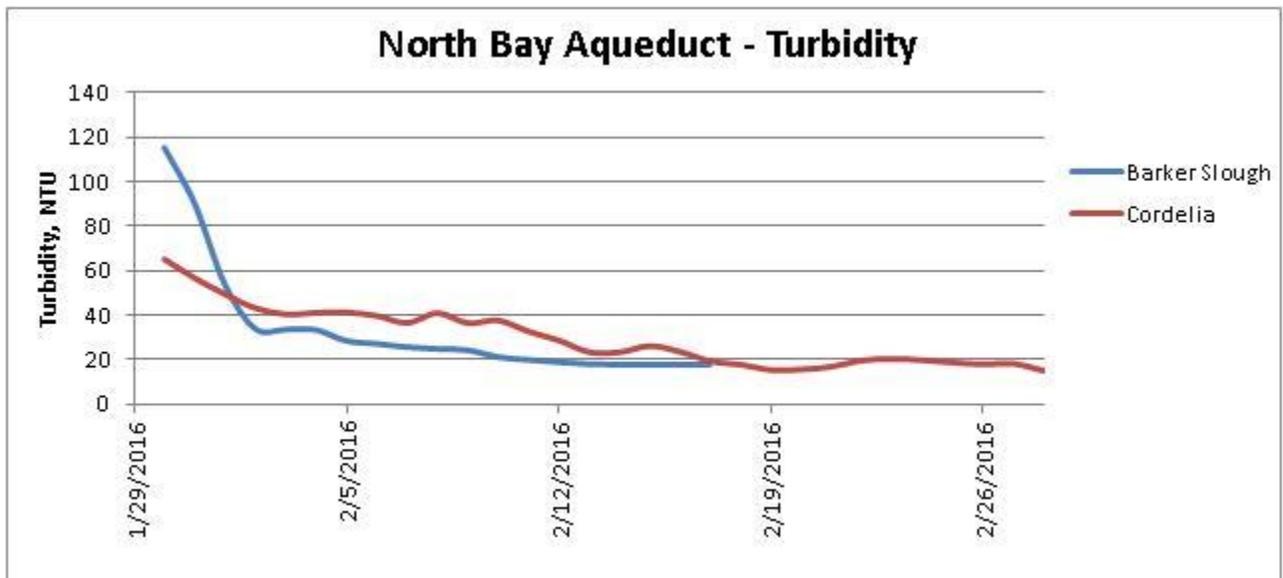
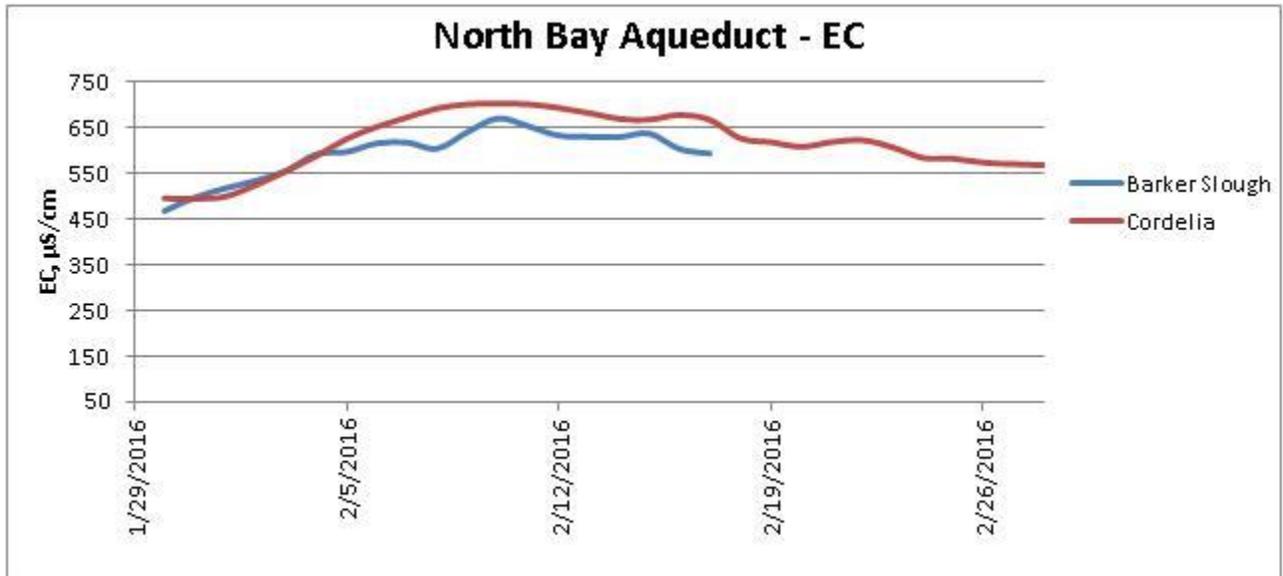
North Bay Aqueduct	2/21/2016	2/28/2016	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S}/\text{cm}$	618	568	-9	587
Temperature, $^{\circ}\text{C}$	14.3	14.1	-2	13.9
Turbidity, NTU	17.1	15.1	-12	18.7

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II. Notes (updated on 2/28/2016)

Barker Slough: The station is temporarily down.

III. 30-Day Charts for Selected Sites:



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pH	7.7	7.7	-1	7.7
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S}/\text{cm}$	449	399	-12	426
Temperature, $^{\circ}\text{C}$	14.3	15.3	+ 7	14.9
Turbidity, NTU	18.9	17.1	-10	16.4
pH	8.0	8.0	<1	8.1
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	536	539	<1	540
Temperature, $^{\circ}\text{C}$	10.9	11.0	<1	11.0
Turbidity, NTU	5.7	5.2	-9	5.2
pH	8.0	8.0	<1	8.0

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 2/28/2016)

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Vallecitos: The station is temporarily down.

Taste and Odor: MIB and geosmin concentrations in water sampled on February 22 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 and on February 23 at Lake Del Valle ranged from < 1 to 3 ng/L. MIB concentrations were < 1 ng/L at all locations except O'Neill Forebay Outlet, which had a concentration of 1 ng/L. Geosmin concentrations ranged from < 1 ng/L at Lake Del Valle Outlet, Lake Del Valle, and Pacheco Pumping Plant to 3 ng/L at O'Neill Forebay Outlet..

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