

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 11/4/2015 to 11/11/2015

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	11/4/2015	11/11/2015	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S/cm}$	738	656	-11	684
Temperature, $^{\circ}\text{C}$	17.4	14.7	-16	15.7
Turbidity, NTU	8.5	6.8	-20	8.4
pH	7.9	7.9	<1	7.9
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S/cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S/cm}$	691	721	+ 4	710
Temperature, $^{\circ}\text{C}$	17.7	15.5	-12	16.7
Turbidity, NTU	4.8	3.6	-25	4.3
pH	8.8	8.5	-3	8.8
Check 21 (C21)				
Salinity (EC), $\mu\text{S/cm}$	823	743	-10	759
Temperature, $^{\circ}\text{C}$	18.5	16.2	-12	17.1
Turbidity, NTU	9.8	7.9	-19	9.7
pH	9.1	8.8	-3	9.2

Check 29 (C29)				
Salinity (EC), $\mu\text{S}/\text{cm}$	455	533	+ 17	574
Temperature, $^{\circ}\text{C}$	20.3	18.7	-8	19.4
Turbidity, NTU	5.1	7.5	+47	8.3
pH	8.7	8.7	<1	8.8

Check 41 (C41)				
Salinity (EC), $\mu\text{S}/\text{cm}$	604	714	+ 18	663
Temperature, $^{\circ}\text{C}$	19.7	18.6	-6	18.9
Turbidity, NTU	3.0	9.6	+220	5.4
pH	8.3	8.9	+ 7	8.8

Castaic Lake Outlet (CSO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	641	640	<1	641
Temperature, $^{\circ}\text{C}$	19.5	18.0	-8	18.7
Turbidity, NTU	3.9	2.7	-31	3.2
pH	8.0	7.7	-4	7.8

Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	604	644	+7	609
Temperature, $^{\circ}\text{C}$	15.3	13.3	-13	13.8
Turbidity, NTU	9.2	20.7	+ 125	15.4

Devil Canyon 2nd Afterbay (DC2)				
Salinity (EC), $\mu\text{S}/\text{cm}$	655	647	-1	653
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	9.1	8.7	-4	9.0

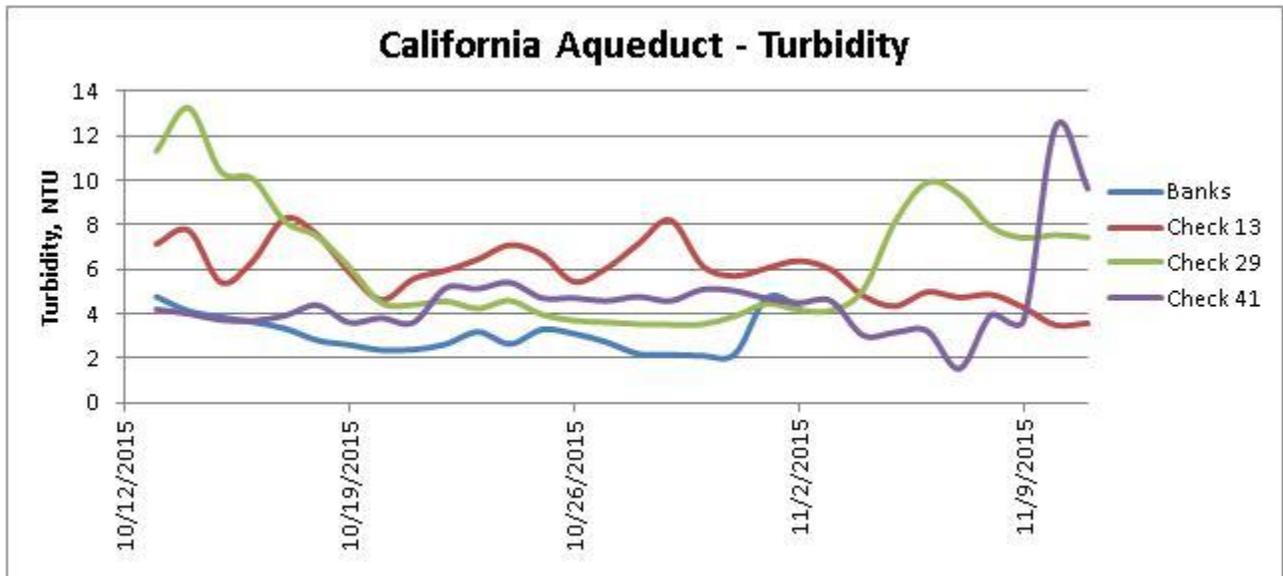
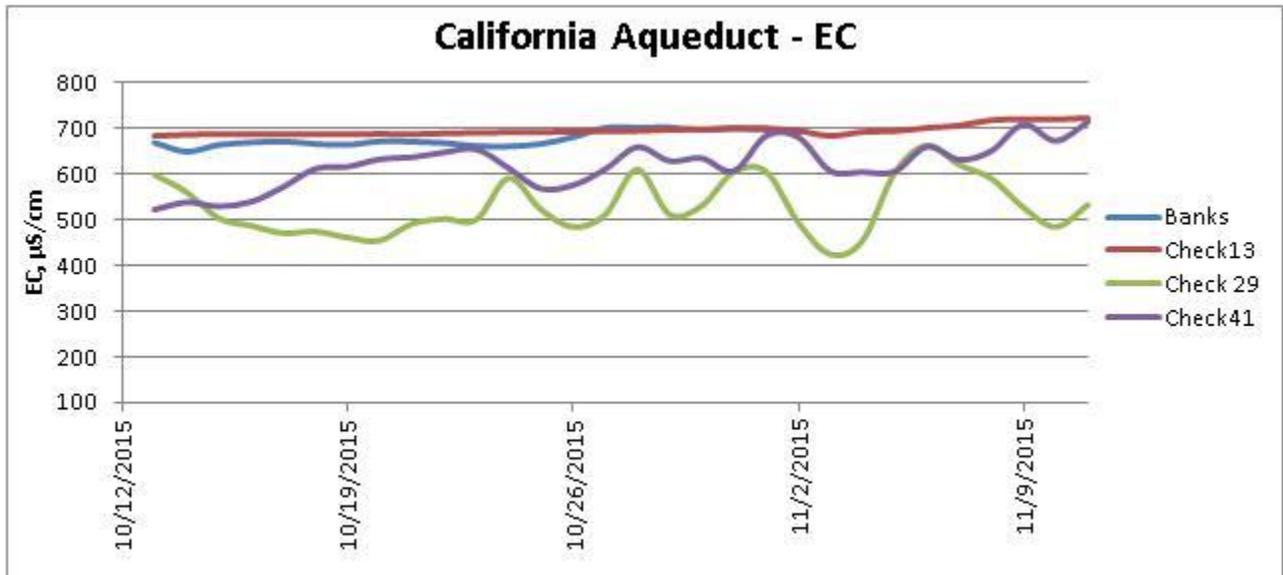
'm' indicates missing data. '---' indicates 'not applicable'. All data are preliminary and subject to revision without notice.

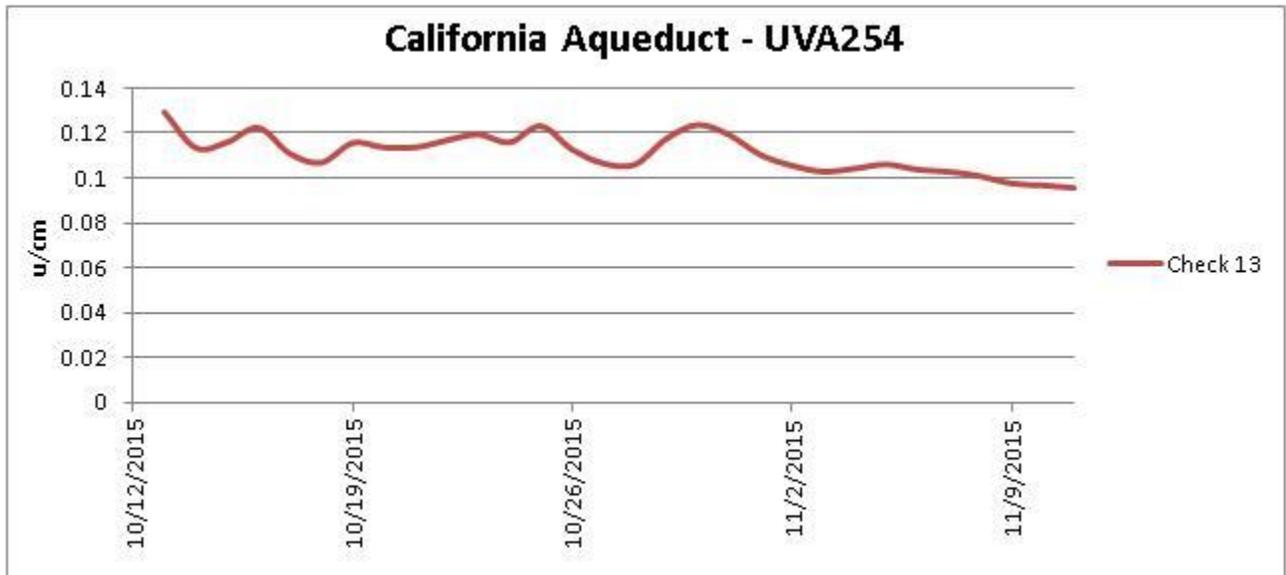
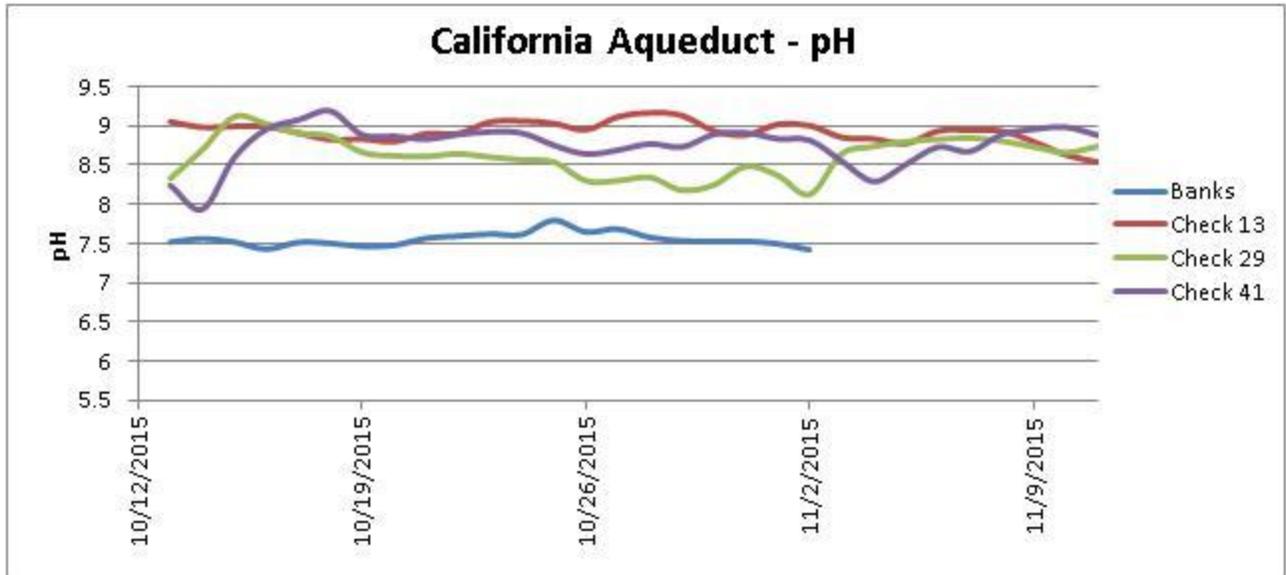
II. Notes (updated on 11/11/2015)

Banks Pumping Plant: Power has been out at the station since 11/2/15, 1500.

Taste and Odor: MIB and geosmin concentrations in water sampled on November 9, 2015 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 301 ng/L. MIB concentrations ranged from 3 ng/L at Lake Del Valle Outlet to 301 ng/L at Pacheco Pumping Plant. Geosmin concentrations ranged from 1 ng/L at Lake Del Valle Outlet to 53 ng/L at O'Neill Forebay Outlet.

III. 30-Day Charts for Selected Sites:





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I. Summary

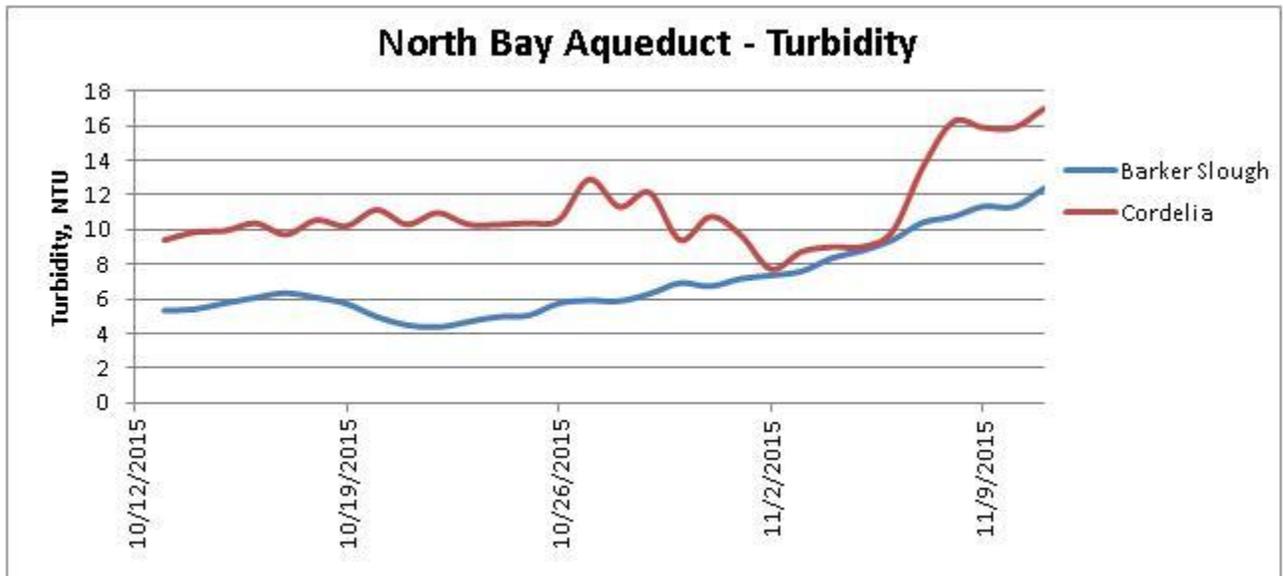
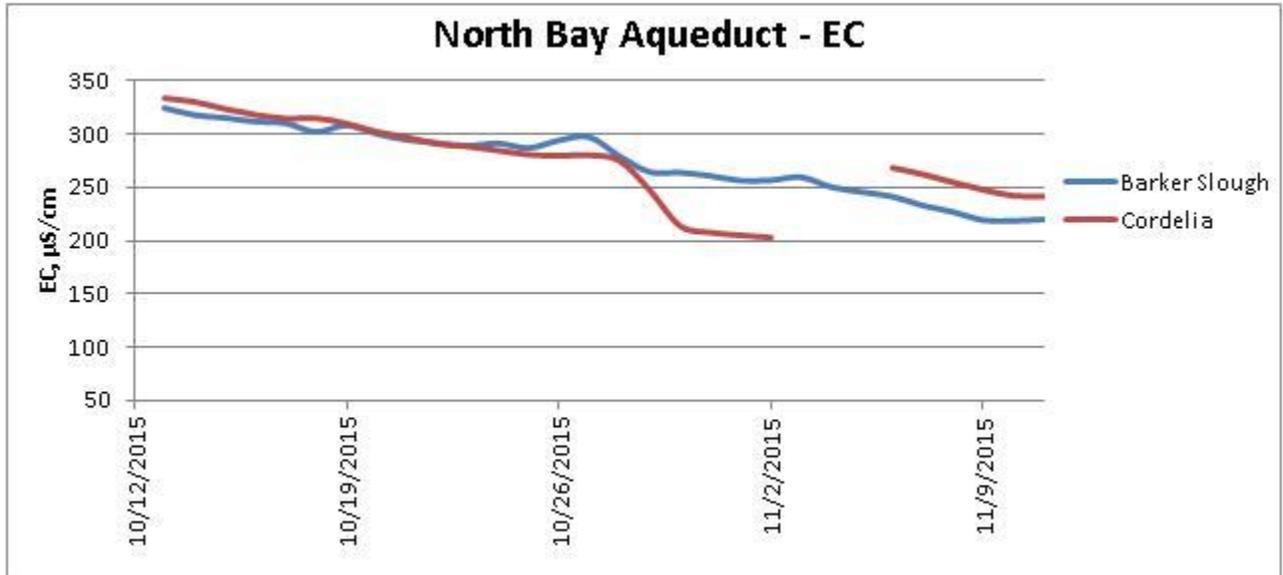
North Bay Aqueduct	11/4/2015	11/11/2015	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S}/\text{cm}$	250	219	-12	229
Temperature, $^{\circ}\text{C}$	15.3	13.2	-14	14.0
Turbidity, NTU	8.4	12.4	+ 48	10.6
pH	7.8	8.3	+ 6	8.3
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S}/\text{cm}$	m	241	---	252
Temperature, $^{\circ}\text{C}$	18.1	14.4	-20	15.3
Turbidity, NTU	9.0	17.0	+ 89	14.0

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II. Notes (updated on 11/11/2015)

Cordelia Pumping Plant: Electrical conductivity data unavailable from 11/2, 0800 to 11/6, 1300 due to an instrumentation problem.

III. 30-Day Charts for Selected Sites:



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Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S/cm}$	m	m	---	---
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	m	m	---	---
pH	m	m	---	---
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S/cm}$	677	707	+ 4	700
Temperature, $^{\circ}\text{C}$	16.4	14.0	-15	15.0
Turbidity, NTU	4.6	6.1	+ 33	7.2
pH	8.2	7.9	-4	7.8
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S/cm}$	571	576	+1	573
Temperature, $^{\circ}\text{C}$	16.2	15.5	-4	15.7
Turbidity, NTU	1.8	1.8	<1	1.8
pH	7.7	7.9	+3	7.8

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 11/11/2015)

Vallecitos: The station is temporarily down.

Taste and Odor: MIB and geosmin concentrations in water sampled on November 9, 2015 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 301 ng/L. MIB concentrations ranged from 3 ng/L at Lake Del Valle Outlet to 301 ng/L at Pacheco Pumping Plant. Geosmin concentrations ranged from 1 ng/L at Lake Del Valle Outlet to 53 ng/L at O'Neill Forebay Outlet.

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