

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 5/7/2015 to 5/14/2015

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	5/7/2015	5/14/2015	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	624	718	+ 15	681
Temperature, $^{\circ}\text{C}$	20.2	19.4	-5	20.1
Turbidity, NTU	9.6	9.5	-1	8.7
pH	7.6	7.8	1	7.7
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	510	595	+ 16	561
Temperature, $^{\circ}\text{C}$	17.9	16.5	-8	17.4
Turbidity, NTU	3.7	7.2	+ 94	4.8
pH	7.8	7.8	-1	7.9
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S}/\text{cm}$	629	782	+ 24	652
Temperature, $^{\circ}\text{C}$	15.2	16.0	+ 4	16.3
Turbidity, NTU	6.2	3.8	-39	4.5
pH	8.8	7.8	-13	8.5
Check 21 (C21)				
Salinity (EC), $\mu\text{S}/\text{cm}$	635	620	-3	615
Temperature, $^{\circ}\text{C}$	22.2	18.5	-17	19.9
Turbidity, NTU	2.3	1.3	-46	1.7
pH	8.4	8.3	-1	8.9

Check 29 (C29)				
Salinity (EC), $\mu\text{S}/\text{cm}$	542	524	-4	533
Temperature, $^{\circ}\text{C}$	21.7	22.2	+ 2	21.7
Turbidity, NTU	4.4	2.3	-48	3.3
pH	8.0	8.0	<1	8.0

Check 41 (C41)				
Salinity (EC), $\mu\text{S}/\text{cm}$	541	535	-2	540
Temperature, $^{\circ}\text{C}$	20.2	23.4	+ 15	23.3
Turbidity, NTU	10.2	5.3	-48	3.8
pH	7.7	8.4	+ 8	8.3

Castaic Lake Outlet (CSO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	524	515	-2	516
Temperature, $^{\circ}\text{C}$	15.7	16.0	+ 2	16.0
Turbidity, NTU	1.4	2.1	+ 53	1.6
pH	8.1	8.1	<1	8.0

Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	559	595	+ 6	583
Temperature, $^{\circ}\text{C}$	18.6	16.5	-12	18.1
Turbidity, NTU	3.0	2.5	-16	3.1

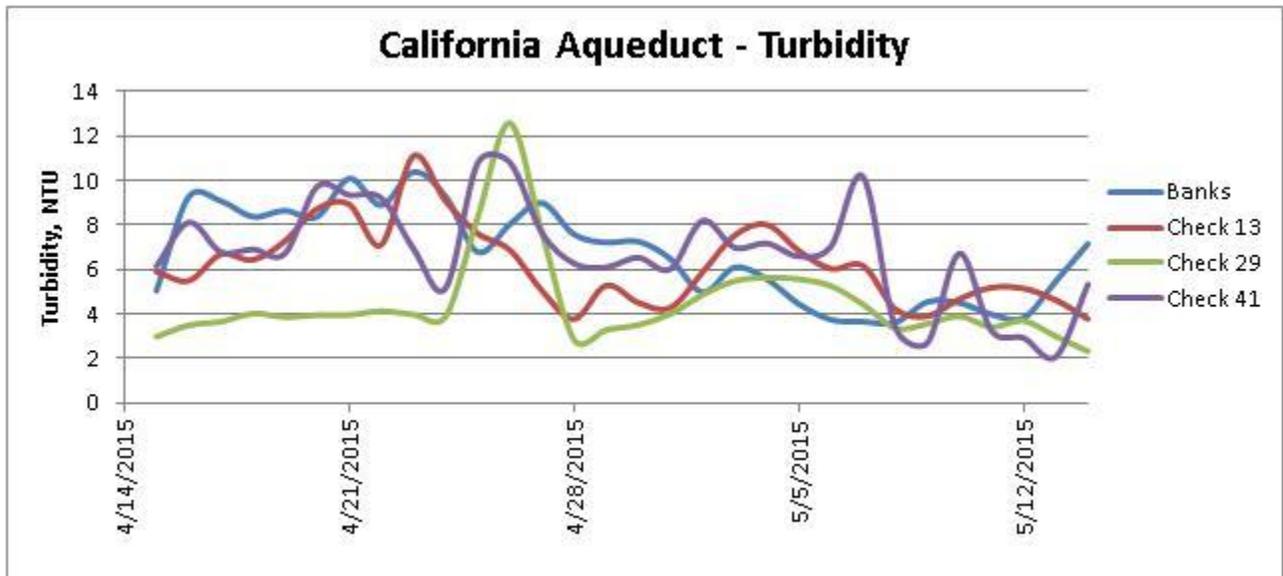
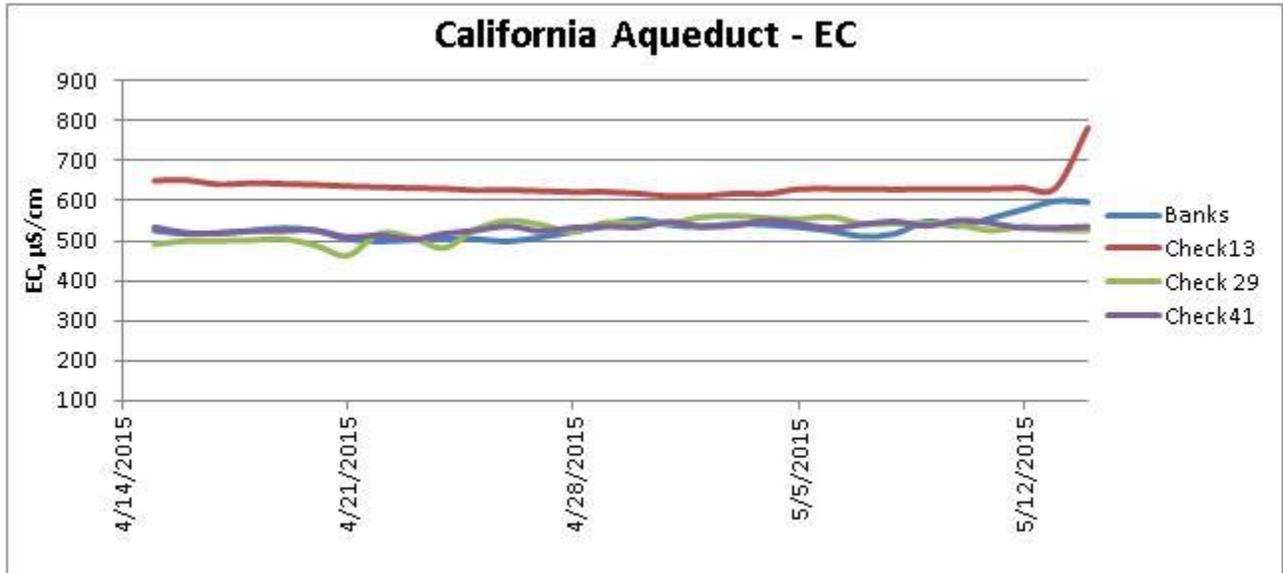
Devil Canyon 2nd Afterbay (DC2)				
Salinity (EC), $\mu\text{S}/\text{cm}$	566	562	-1	560
Temperature, $^{\circ}\text{C}$	m	m	---	---
Turbidity, NTU	8.9	9.0	<1	8.9

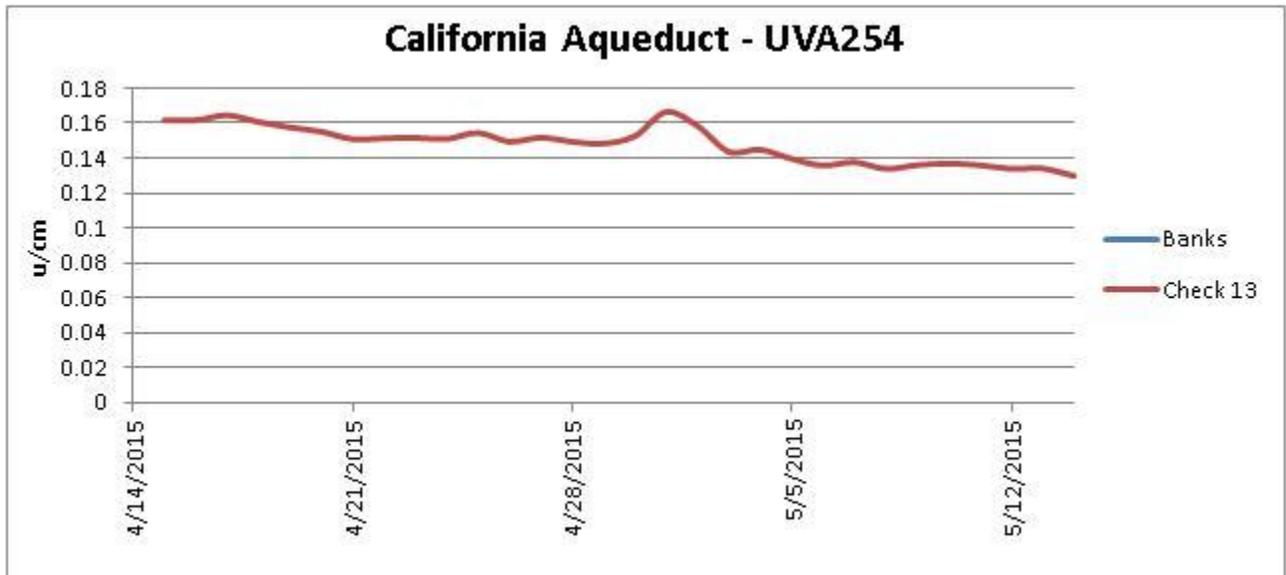
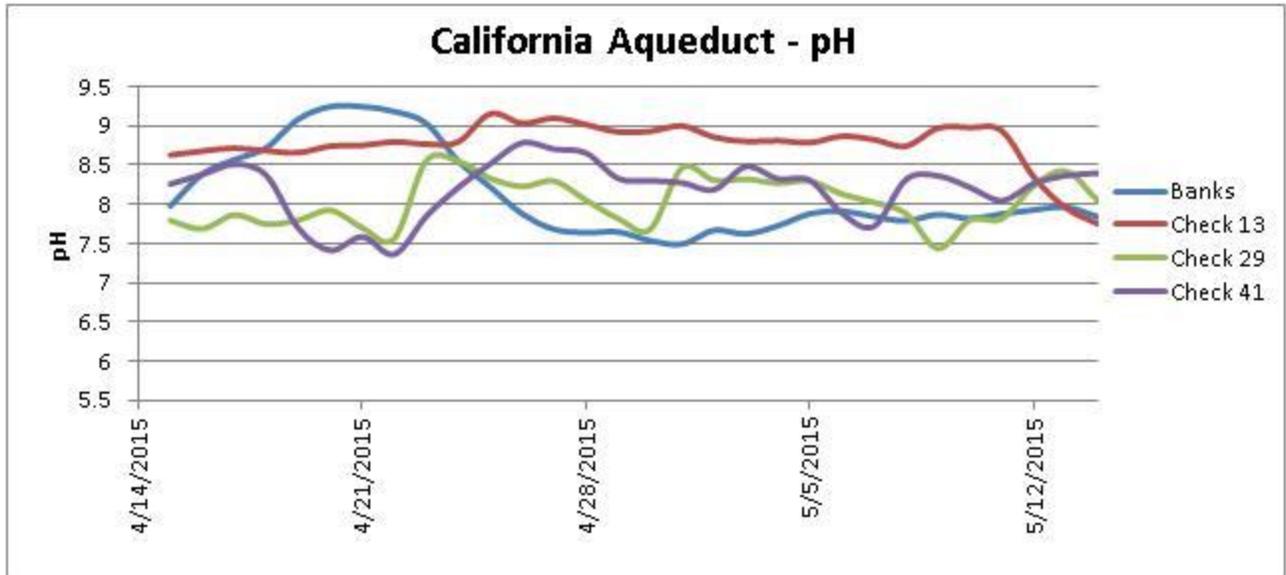
'm' indicates missing data. '---' indicates 'not applicable'. All data are preliminary and subject to revision without notice.

II. Notes (updated on 5/14/2015)

Taste and Odor: MIB and geosmin concentrations in water sampled on May 11, 2015 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, and Dyer Reservoir, and on May 12, 2015 at O'Neill Forebay Outlet (Check 13), Gianelli Pumping Plant, and Pacheco Pumping Plant ranged from < 1 to 6 ng/L. MIB concentrations were < 1 ng/L at all of the stations except Clifton Court which had a concentration of 1 ng/L. Geosmin concentrations ranged from < 1 ng/L at Pacheco Pumping Plant and Gianelli Pumping Plant to 6 ng/L at Banks Pumping Plant.

III. 30-Day Charts for Selected Sites:





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I. Summary

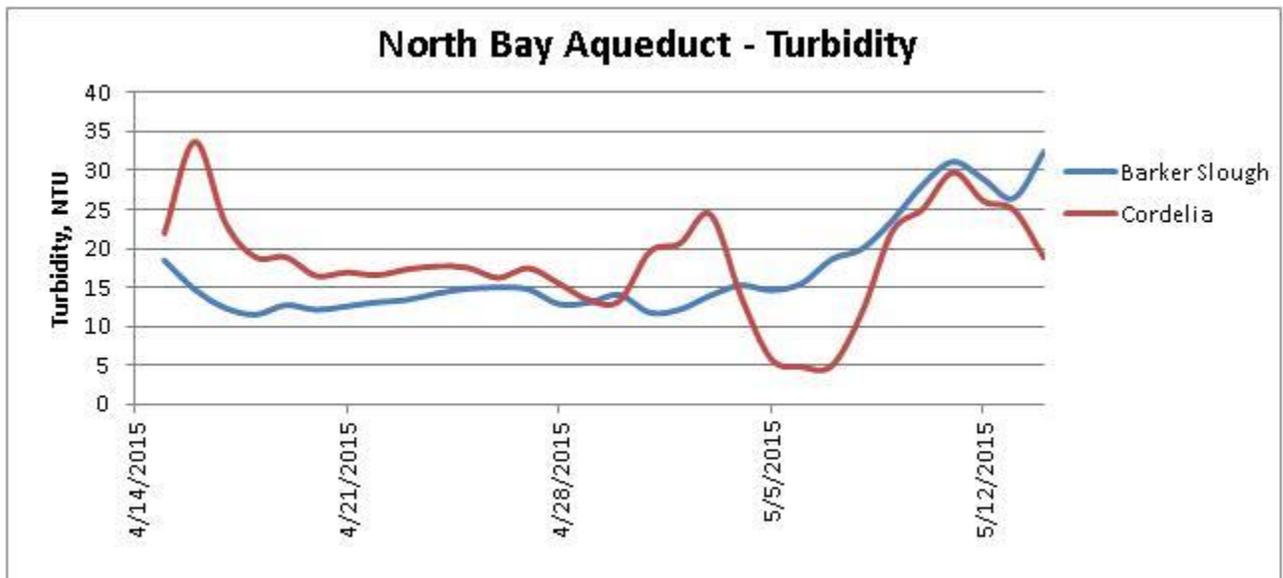
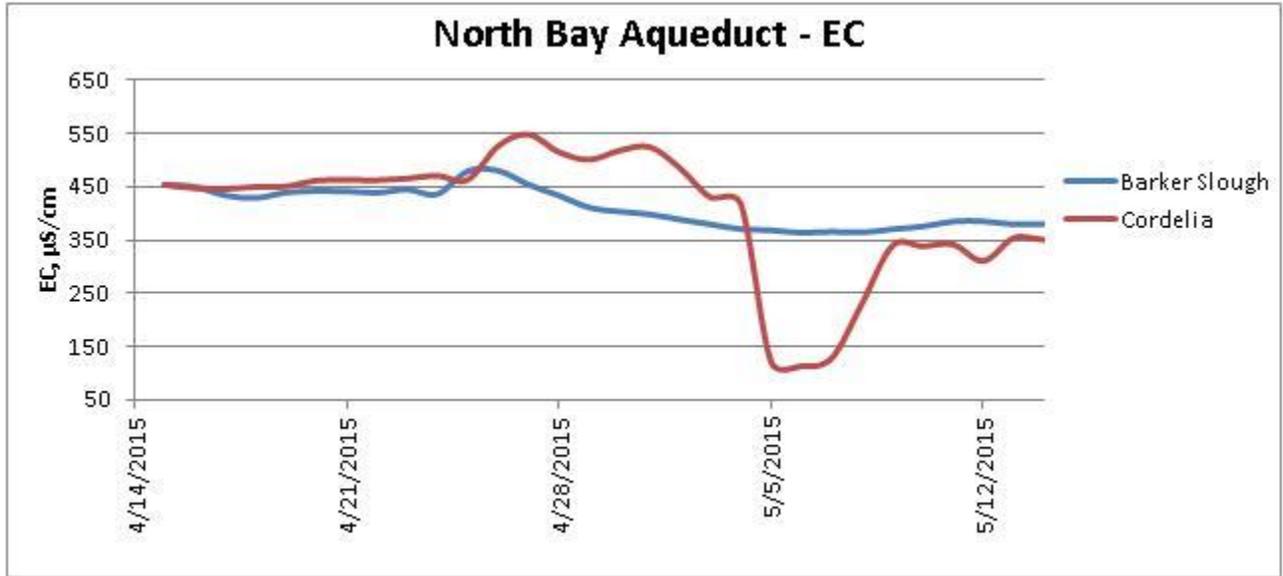
North Bay Aqueduct	5/7/2015	5/14/2015	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S}/\text{cm}$	367	381	+ 3	378
Temperature, $^{\circ}\text{C}$	18.7	17.8	-5	18.6
Turbidity, NTU	18.6	32.5	+ 74	27.3
pH	m	7.8	---	7.9
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S}/\text{cm}$	130	351	+ 169	324
Temperature, $^{\circ}\text{C}$	19.7	18.4	-7	18.7
Turbidity, NTU	5.0	18.8	+ 279	22.7

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II. Notes (updated on 5/14/2015)

N/A

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pH	7.8	7.8	-1	7.9
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S}/\text{cm}$	519	545	+ 5	534
Temperature, $^{\circ}\text{C}$	16.7	16.2	-3	17.2
Turbidity, NTU	5.1	8.7	+ 71	5.8
pH	8.2	8.1	-2	8.3
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	597	592	-1	595
Temperature, $^{\circ}\text{C}$	13.4	13.3	-2	13.4
Turbidity, NTU	2.5	2.8	+ 10	2.4
pH	7.9	7.9	-1	7.9

Vallecitos (VSB)				
Salinity (EC), $\mu\text{S}/\text{cm}$	540	567	+ 5	552
Temperature, $^{\circ}\text{C}$	15.7	16.5	+ 5	16.5
Turbidity, NTU	9.8	7.1	-27	10.5
pH	8.0	7.9	-2	8.0

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