

SWP 7-Day Water Quality Summary Report - California Aqueduct

For dates: 10/5/2016 to 10/12/2016

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	10/5/2016	10/12/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	623	554	-11	597
Temperature, $^{\circ}\text{C}$	19.5	19.3	-1	19.4
Turbidity, NTU	5.8	3.8	-34	4.9
pH	7.9	7.8	-1	7.8
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	600	608	+1	622
Temperature, $^{\circ}\text{C}$	18.4	19.2	+4	19.7
Turbidity, NTU	m	m	---	---
pH	8.0	8.2	+2	8.1
UVA @ 254nm (u/cm)	m	m	---	---
O'Neill Forebay Outlet (C13)				
Salinity (EC), $\mu\text{S}/\text{cm}$	547	585	+7	568
Temperature, $^{\circ}\text{C}$	19.9	18.9	-5	19.4
Turbidity, NTU	5.1	4.3	-16	4.8
pH	8.4	8.5	+1	8.5
UVA @ 254nm (u/cm)	0.057	0.062	+9	0.058
Check 21 (C21)				
Salinity (EC), $\mu\text{S}/\text{cm}$	575	569	-1	565
Temperature, $^{\circ}\text{C}$	20.3	19.7	-3	19.6
Turbidity, NTU	7.8	5.9	-24	6.7
pH	9.0	8.9	-1	8.9

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), $\mu\text{S}/\text{cm}$	548	567	+3	558
Temperature, $^{\circ}\text{C}$	20.0	19.9	<1	20.1
Turbidity, NTU	0.8	0.7	-13	0.8
pH	8.0	8.0	<1	8.0

Check 66 (C66)				
Salinity (EC), $\mu\text{S}/\text{cm}$	554	m	---	572
Temperature, $^{\circ}\text{C}$	20.5	m	---	20.8
Turbidity, NTU	10.5	m	---	10.3

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

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

II. Notes (updated on 10/12/2016)

Banks Pumping Plant: Turbidity and UVA are unavailable, pending instrument replacement.

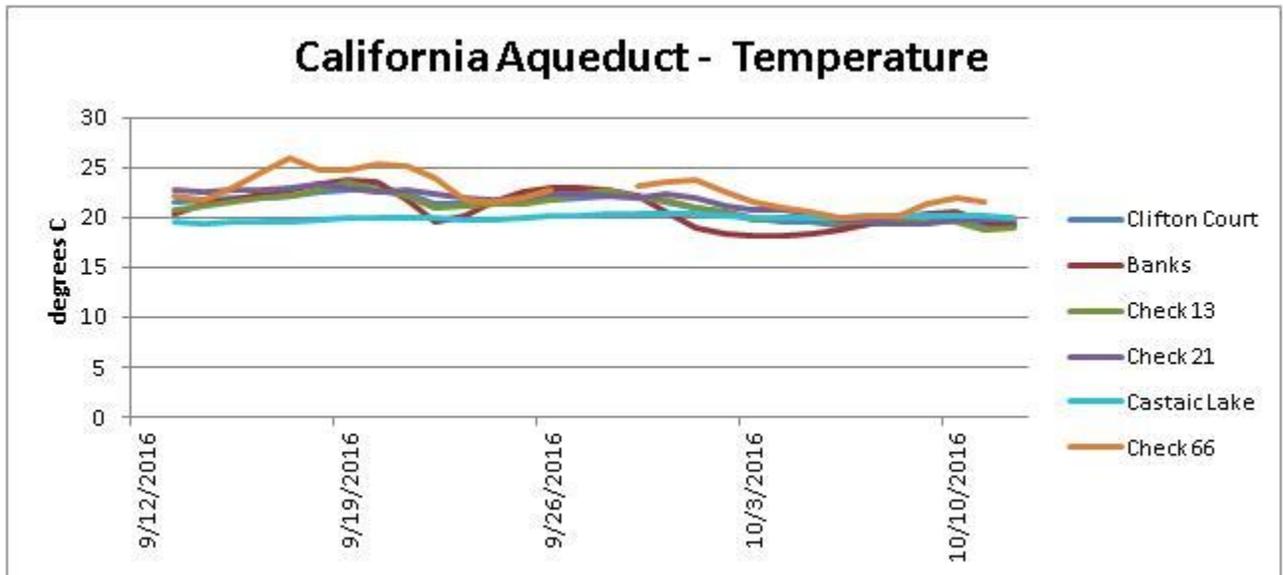
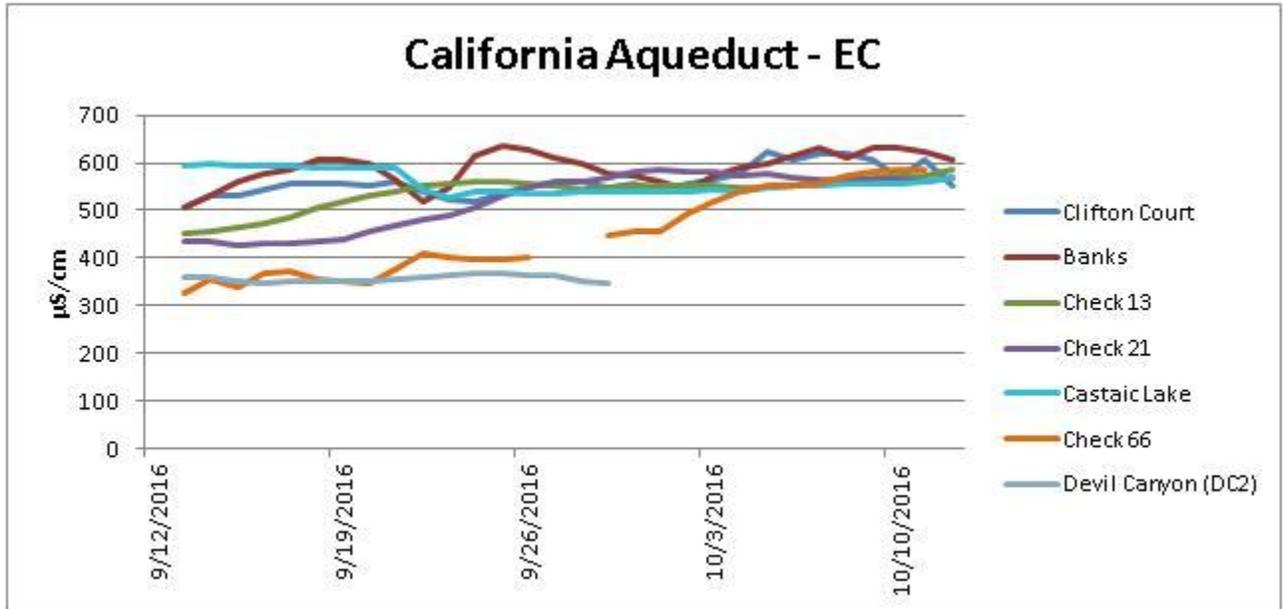
Check 41: This station is temporarily down, pending replacement of a pump.

Check 66: This station is temporarily down.

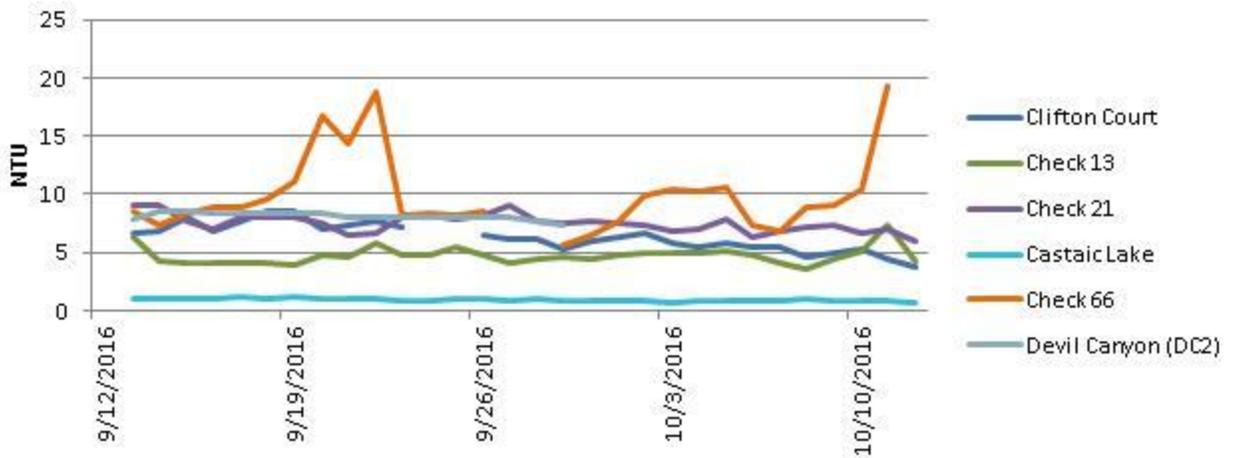
Devil Canyon 2nd Afterbay: This station is temporarily down, pending replacement of a pump.

Taste and Odor: MIB and geosmin concentrations in water sampled on October 10, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Gianelli Pumping Plant, and Pacheco Pumping Plant ranged from < 1 to 5 ng/L. MIB concentrations ranged from < 1 ng/L at Pacheco Pumping Plant to 4 ng/L at Banks Pumping Plant. Geosmin concentrations ranged from 2 ng/L at Pacheco Pumping Plant to 5 ng/L at Banks Pumping Plant.

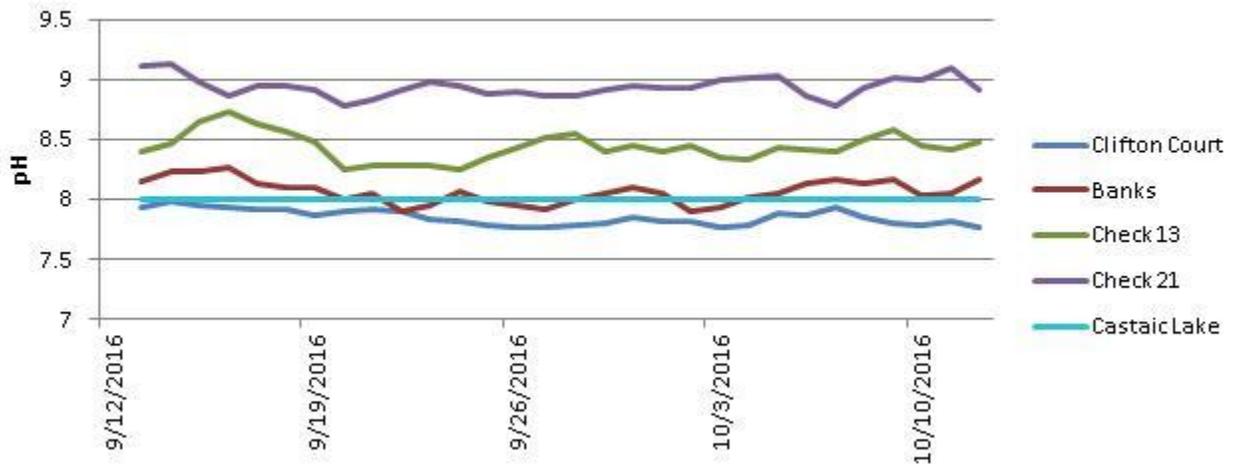
III. 30-Day Charts for Selected Sites:



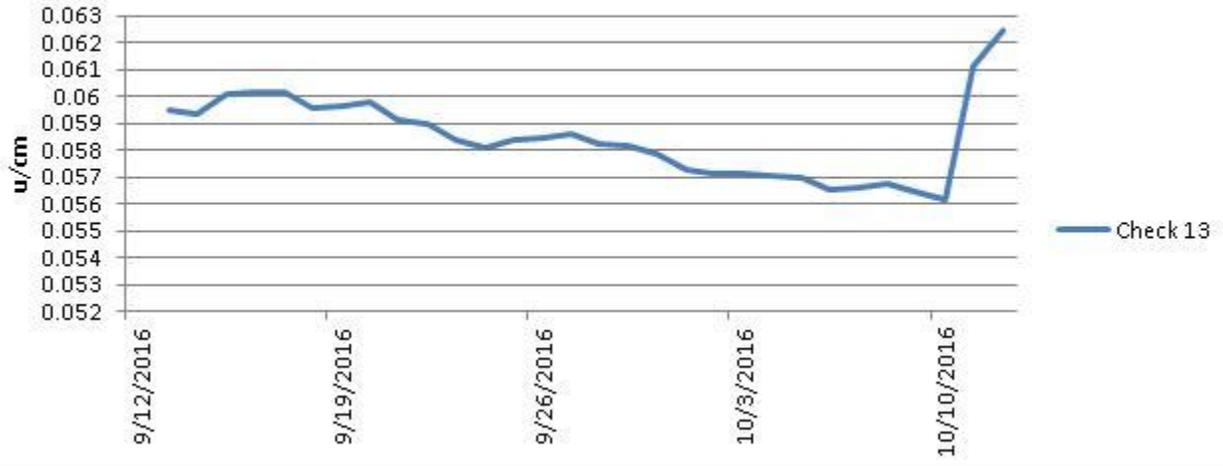
California Aqueduct - Turbidity



California Aqueduct - pH



California Aqueduct - UVA254



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

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I. Summary

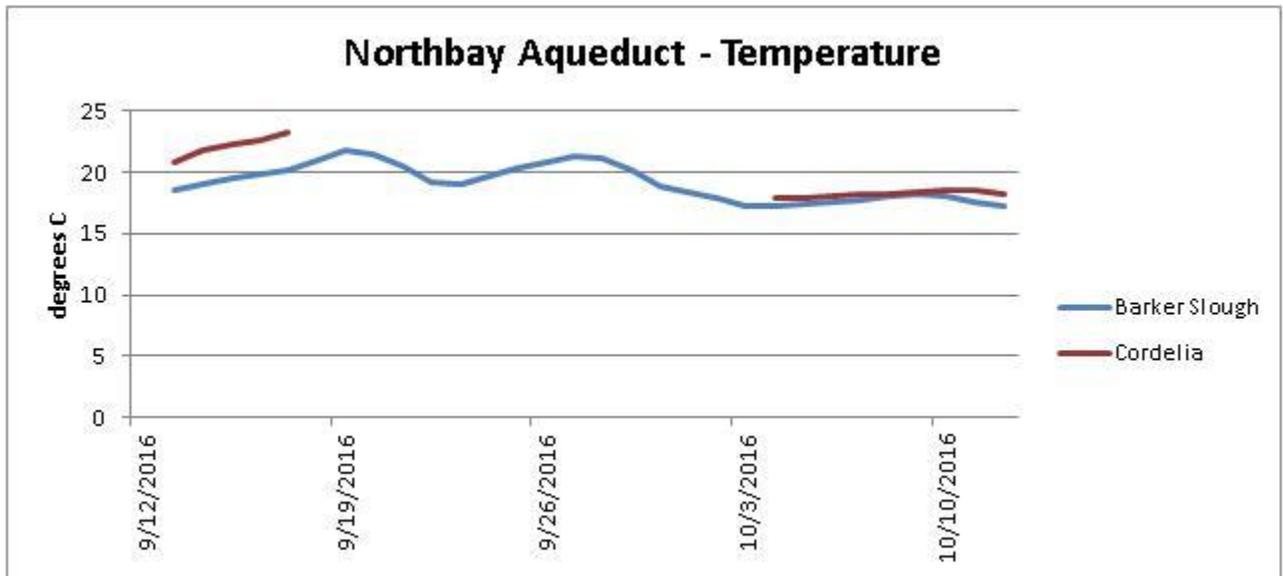
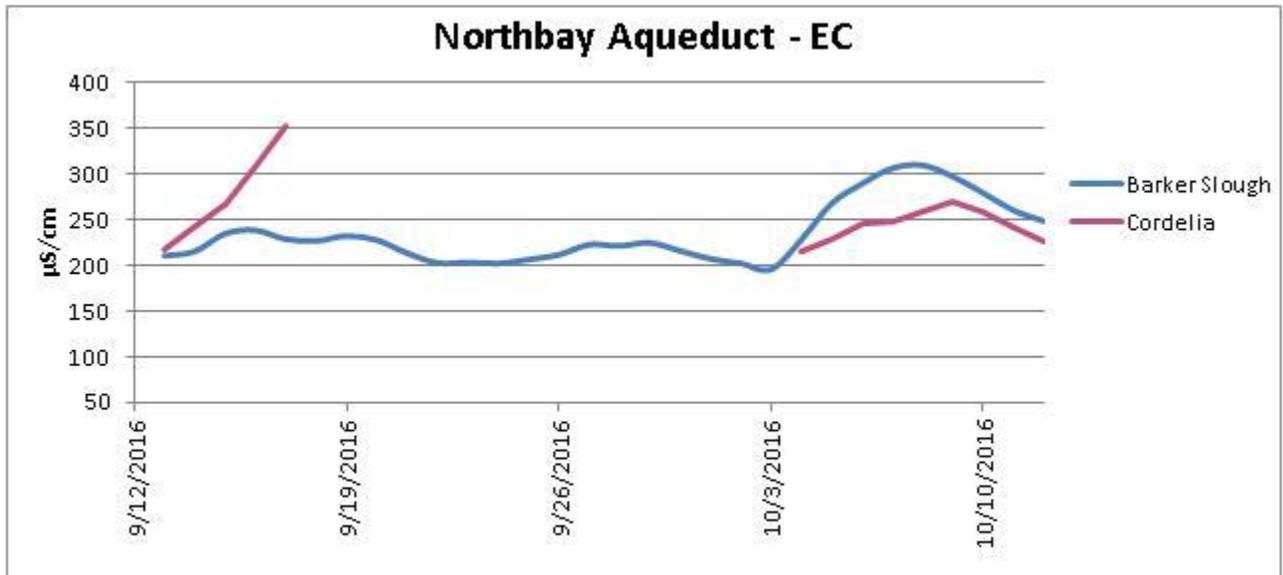
North Bay Aqueduct	10/5/2016	10/12/2016	% Change	7-Day Average
Barker Slough				
Salinity (EC), $\mu\text{S}/\text{cm}$	267	248	-7	284
Temperature, $^{\circ}\text{C}$	17.4	17.2	-1	17.8
Turbidity, NTU	7.9	7.0	-11	8.4
pH	7.4	7.6	+3	7.5
Cordelia Pumping Plant				
Salinity (EC), $\mu\text{S}/\text{cm}$	228	225	-1	250
Temperature, $^{\circ}\text{C}$	17.9	18.3	+2	18.4
Turbidity, NTU	4.4	4.5	+2	4.4

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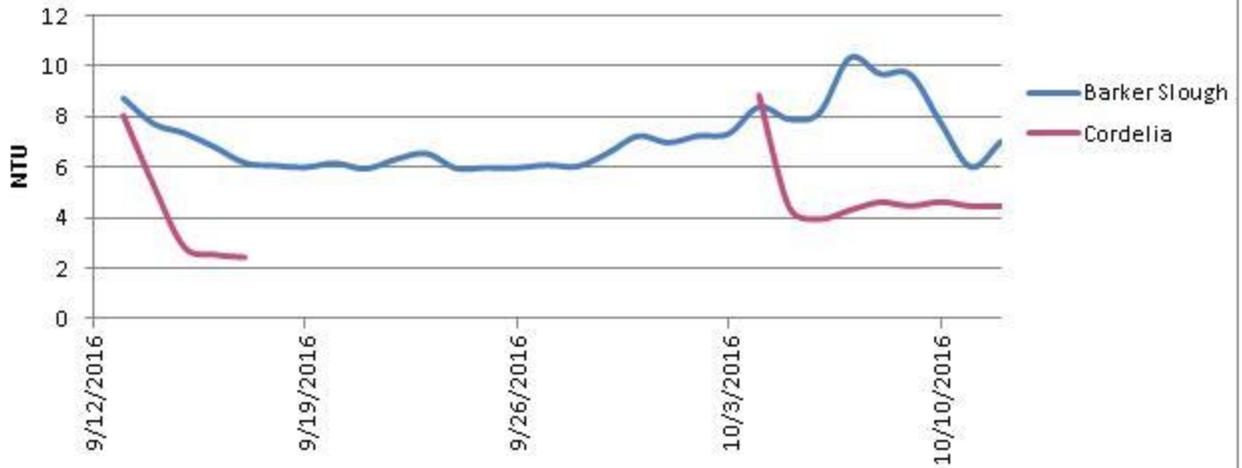
II. Notes (updated on 10/12/2016)

N/A

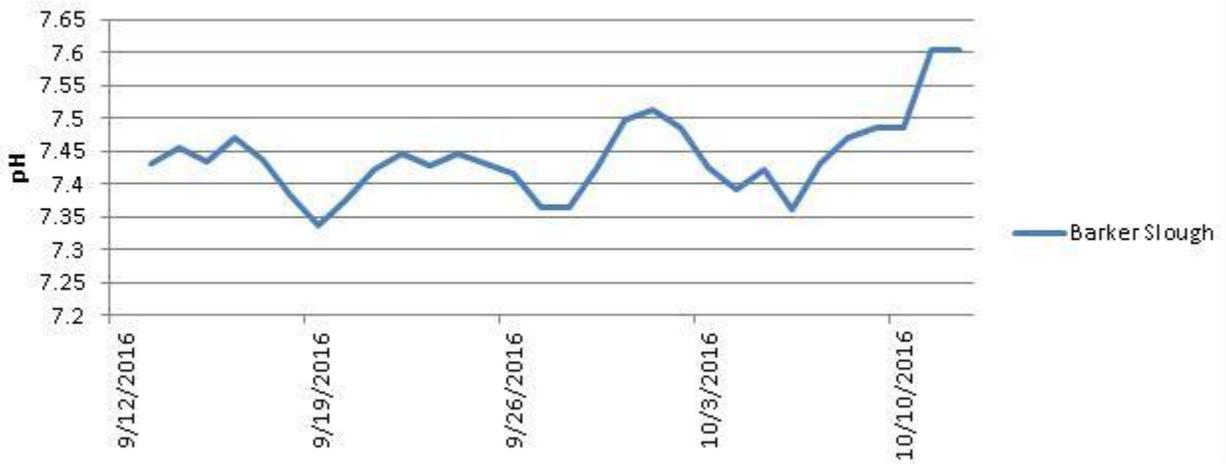
III. 30-Day Charts for Selected Sites:



Northbay Aqueduct - Turbidity



Northbay Aqueduct - pH



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

For dates: 10/5/2016 to 10/12/2016

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I. Summary

South Bay Aqueduct	10/5/2016	10/12/2016	% Change	7-Day Average
Clifton Court (CLC)				
Salinity (EC), $\mu\text{S}/\text{cm}$	623	554	-11	597
Temperature, $^{\circ}\text{C}$	19.5	19.3	-1	19.4
Turbidity, NTU	5.8	3.8	-34	4.9
pH	7.9	7.8	-1	7.8
Harvey Banks Pumping Plant (HBP)				
Salinity (EC), $\mu\text{S}/\text{cm}$	600	608	+1	622
Temperature, $^{\circ}\text{C}$	18.4	19.2	+4	19.7
Turbidity, NTU	m	m	---	---
pH	8.0	8.2	+2	8.1
UVA @ 254nm (u/cm)	m	m	---	---
Del Valle Check 7 (DV7)				
Salinity (EC), $\mu\text{S}/\text{cm}$	573	648	+13	604
Temperature, $^{\circ}\text{C}$	18.4	19.2	+4	19.3
Turbidity, NTU	4.4	4.5	+2	3.4
pH	8.5	8.3	-2	8.5
Del Valle COW (DCO)				
Salinity (EC), $\mu\text{S}/\text{cm}$	505	m	---	504
Temperature, $^{\circ}\text{C}$	13.1	m	---	13.2
Turbidity, NTU	2.6	m	---	2.6
pH	7.8	m	---	7.9

Vallecitos (VSB)				
Salinity (EC), $\mu\text{S}/\text{cm}$	557	624	+ 12	604
Temperature, $^{\circ}\text{C}$	19.1	19.2	<1	19.3
Turbidity, NTU	4.0	5.8	+45	4.6
pH	9.3	8.6	-8	8.7

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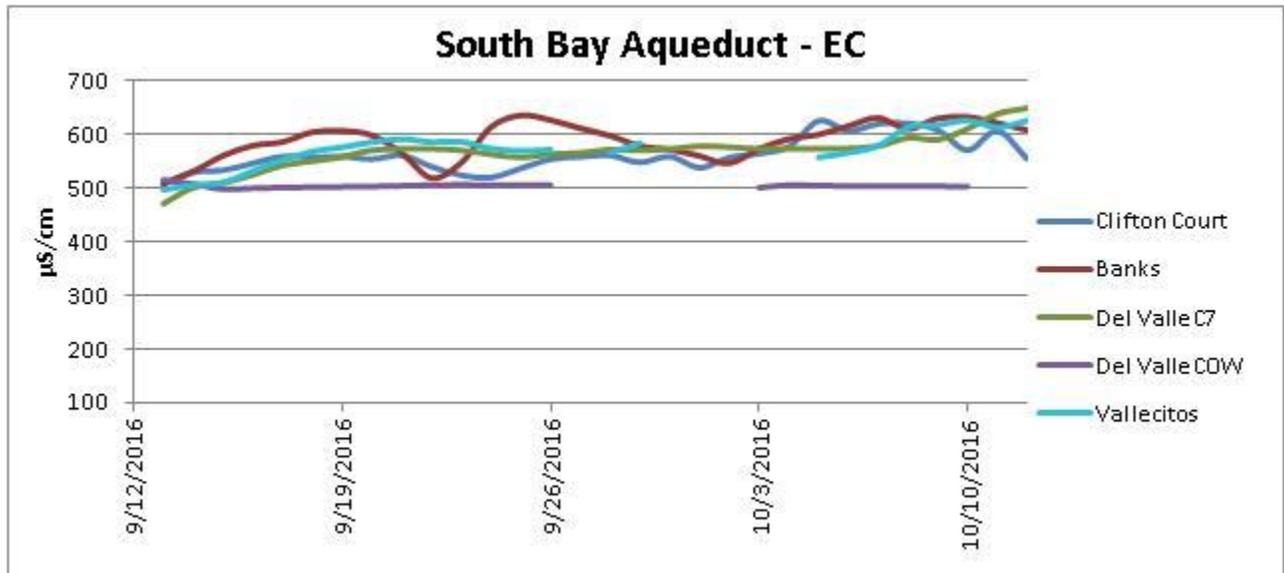
II. Notes (updated on 10/12/2016)

Banks Pumping Plant: Turbidity and UVA are unavailable, pending equipment replacement.

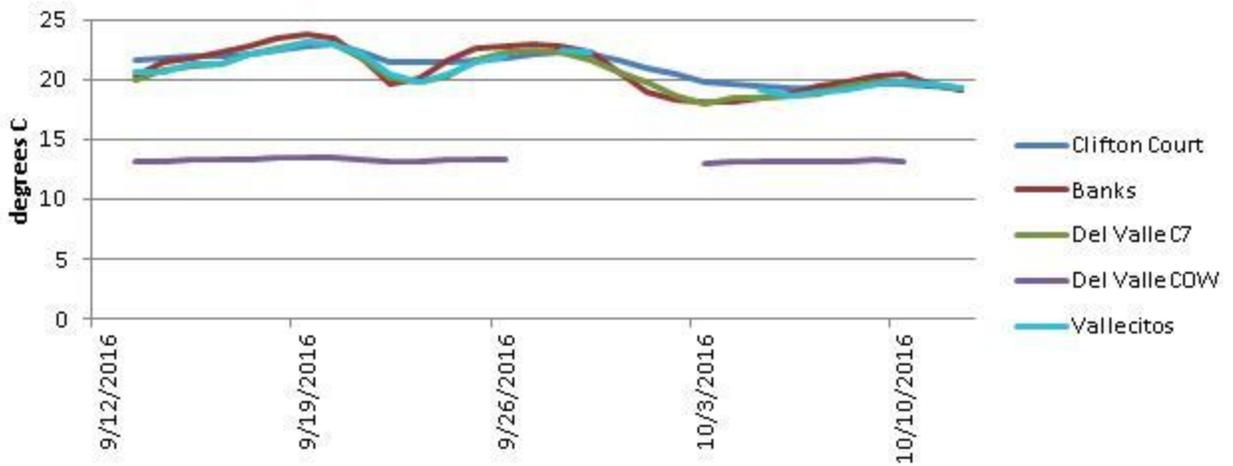
Del Valle Conservation Outlet Works: Data missing due to a power outage.

Taste and Odor: MIB and geosmin concentrations in water sampled on October 10, 2016 at Clifton Court Inlet, Banks Pumping Plant, Del Valle Check 7, Dyer Reservoir, O'Neill Forebay Outlet (Check 13), Gianelli Pumping Plant, and Pacheco Pumping Plant ranged from < 1 to 5 ng/L. MIB concentrations ranged from < 1 ng/L at Pacheco Pumping Plant to 4 ng/L at Banks Pumping Plant. Geosmin concentrations ranged from 2 ng/L at Pacheco Pumping Plant to 5 ng/L at Banks Pumping Plant.

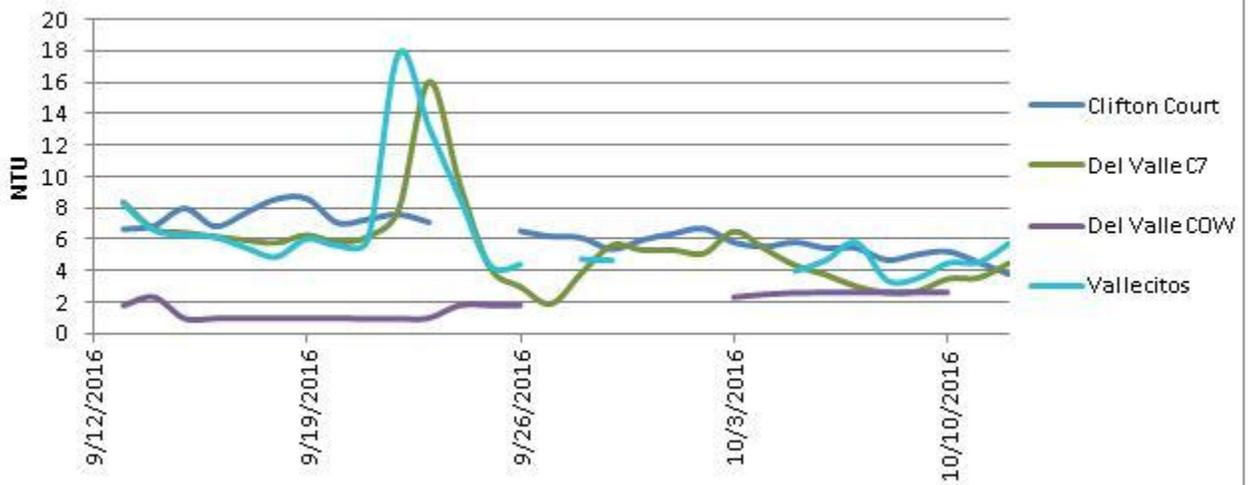
III. 30-Day Charts for Selected Sites:



South Bay Aqueduct - Temperature



South Bay Aqueduct - Turbidity



South Bay Aqueduct - pH

