

SWP Water Quality Summary

October 14, 2003

Total Dissolved Solids: TDS from five locations at the California Aqueduct increased substantially into the first two weeks of October. Bank Pumping Plant, Checks 29, 41 and Vallecitos had the highest increases, but they were still below the Article 19 monthly average Objective. Salinity is likely to rise further in the delta until winter runoff occurs.

Bromide: The concentrations of bromide increased slightly at checks 41 and Devil Canyon, while substantial increases were observed from late September into October at Banks Pumping Plant and Vallecitos, which is not surprising with the significant increase in salinity. Barker slough had the lowest concentration of 0.031mg/l which occurred on September 26, 2003.

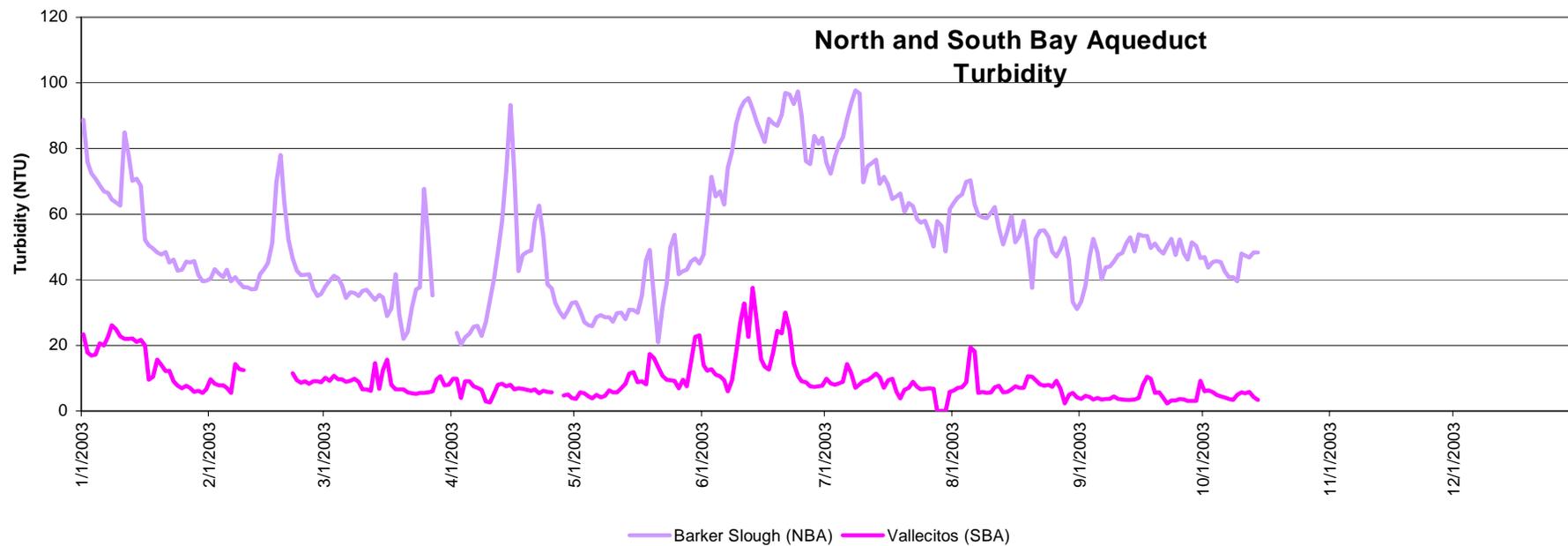
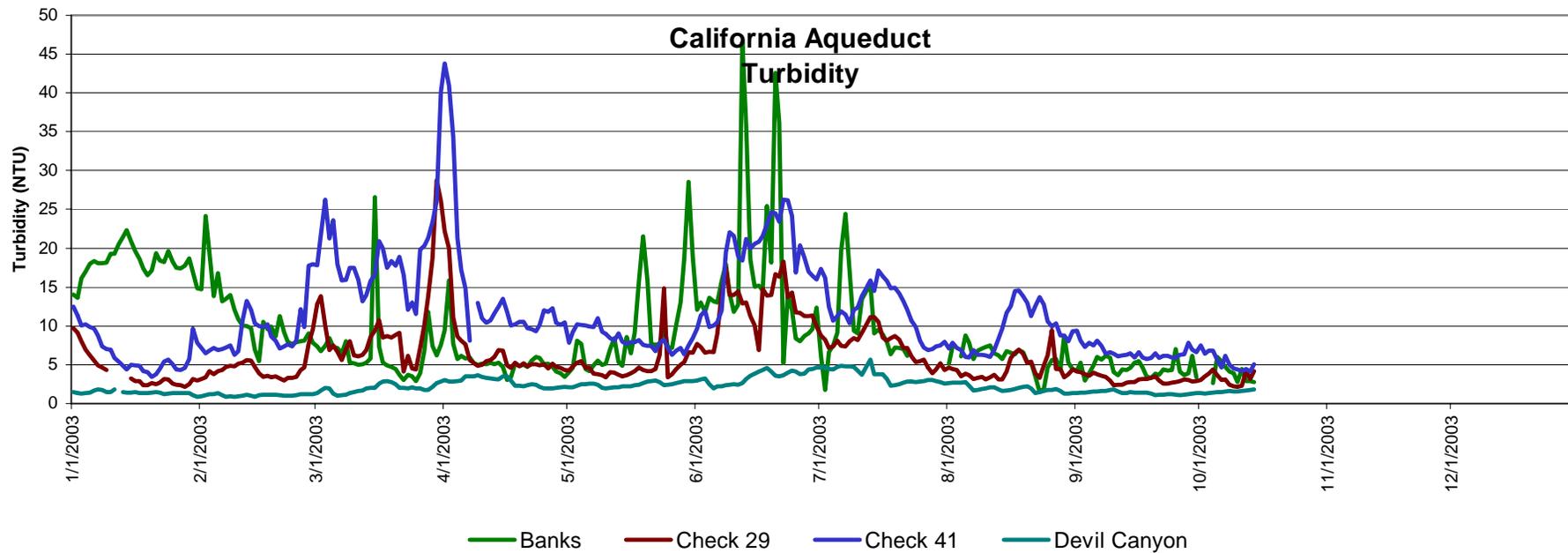
Turbidity: Turbidity at all locations decreased slightly. Banks Pumping Plant, Check 29, 41, and Devil Canyon exhibited similar pattern at the end of the second week in October with concentrations less than 10 NTU. However, Barker Slough had the highest concentration (over 40 NTU) compared to the rest of the stations. Except for the North Bay aqueduct, turbidity is low throughout the SWP.

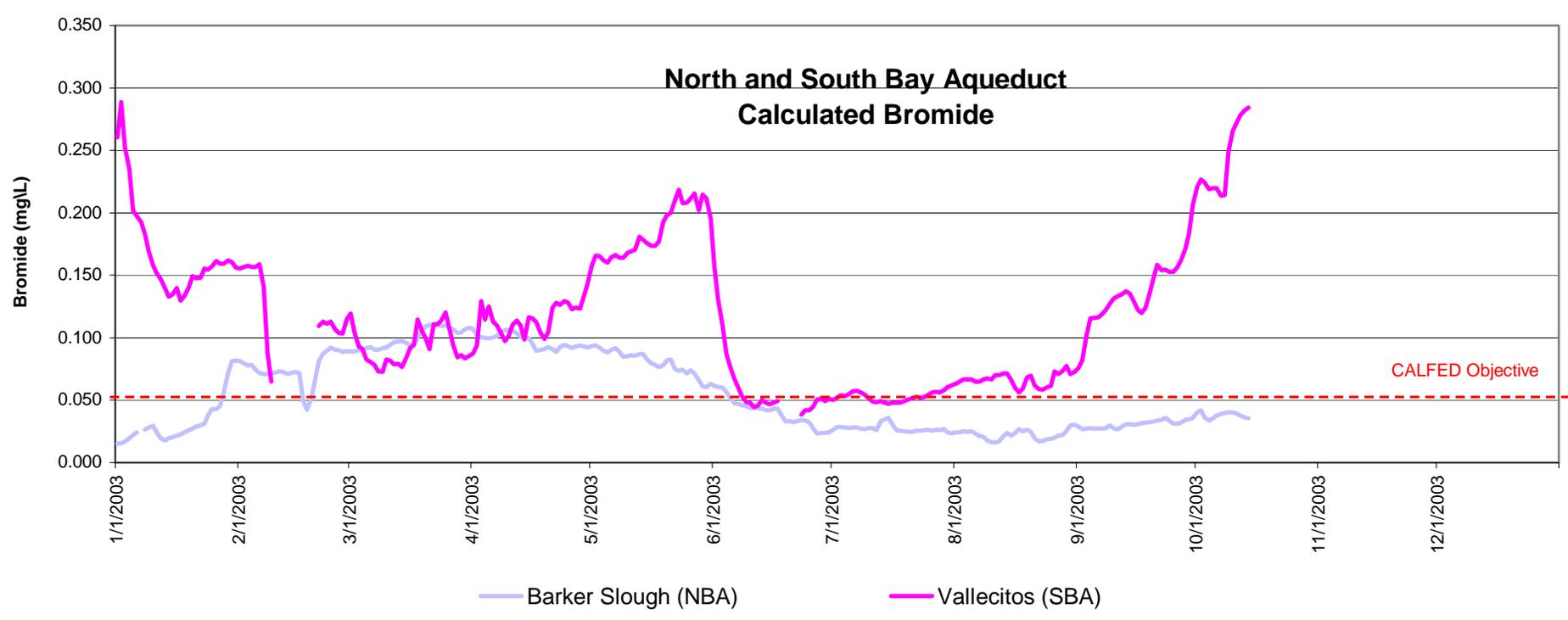
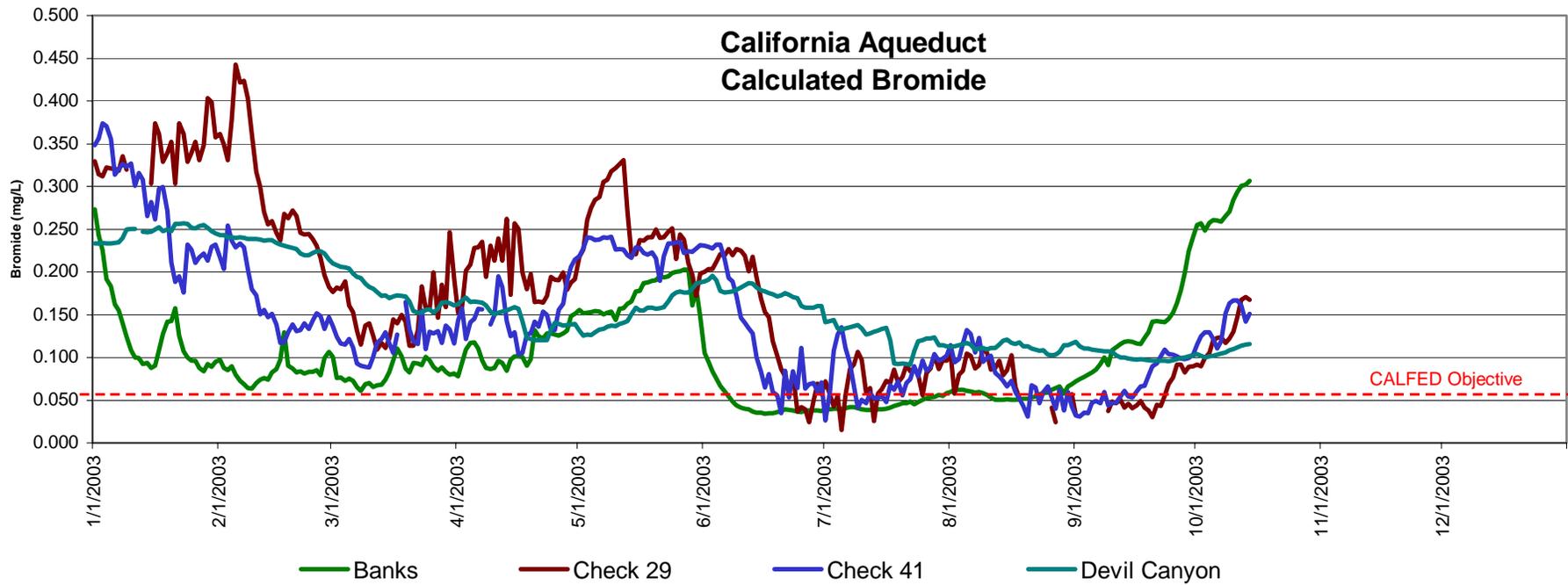
Dissolved Organic Carbon: DOC concentration dropped below the CalFed TOC Objective at Checks 13 and 41. Banks Pumping Plant DOC dropped slightly from last month. This condition should prevail until winter runoff occurs and DOC rises.

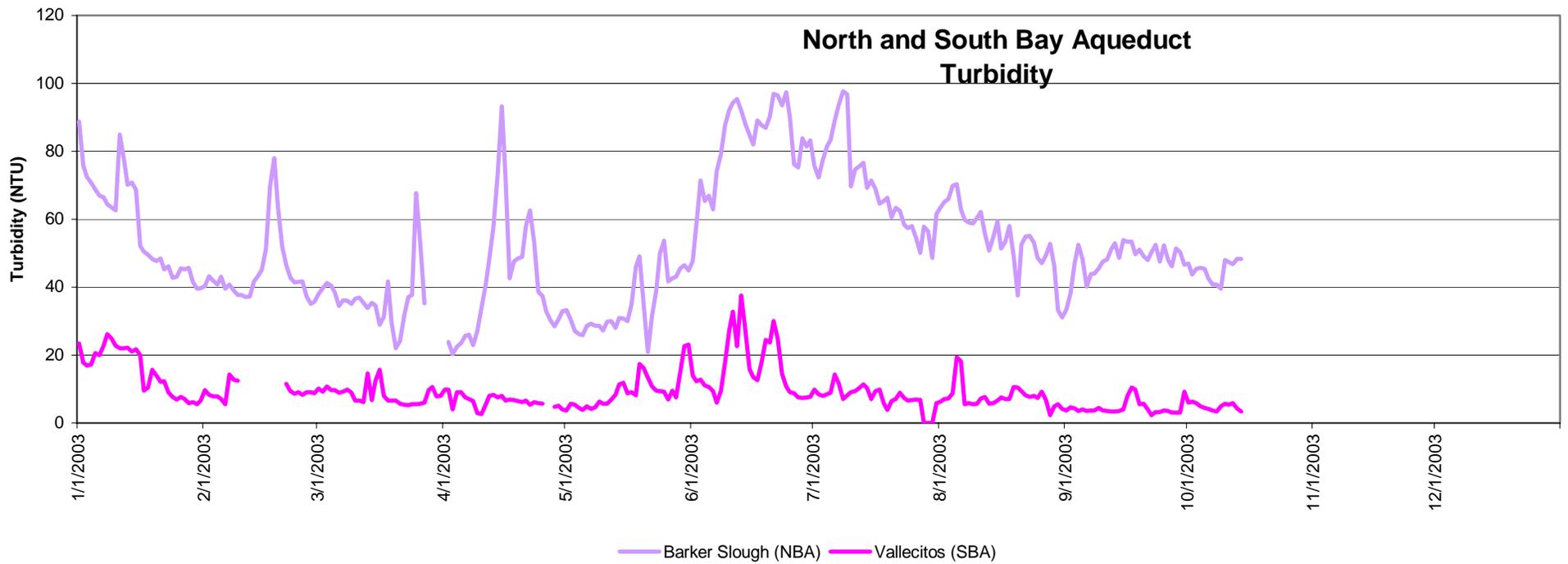
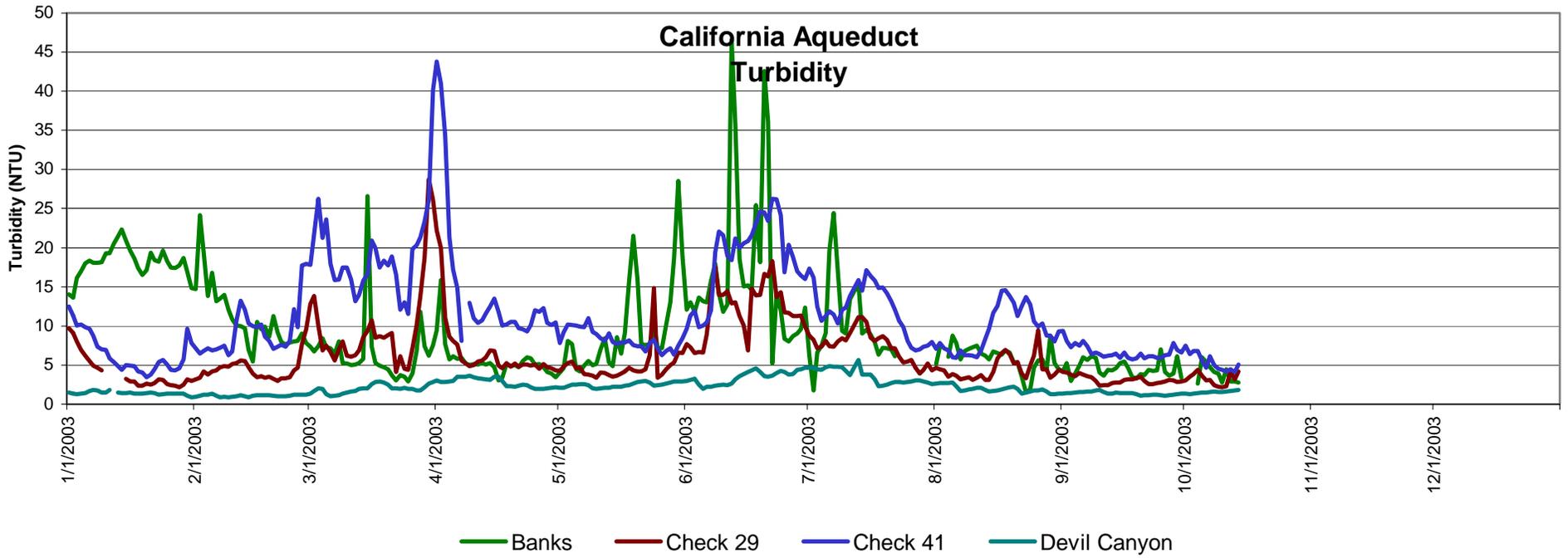
Taste and Odor Compounds: The taste and odor compound MIB, was high in Lake Del Valle and Clifton Court Forebay. Selective release from the lower valves in Lake Del Valle reduced, MIB in the South Bay Aqueduct.

On October 4, 2003, copper sulfate was applied to three Forebays in the Coastal Branch to alleviate taste and odor problems at the Polonio Pass Water Treatment Plant. MIB declined from >30 ng/l to about 5ng/l following the treatment to control the attached bluegreen alga, Oscillatoria Tenuis.

Ground Water Pump-in: No ground water pump-in during May through mid-October.







California Aqueduct Calculated Dissolved Organic Carbon

