SWAMP Safe-To-Swim Study June 2010

Sample Sites for Lake Natoma (*Sacramento County*)

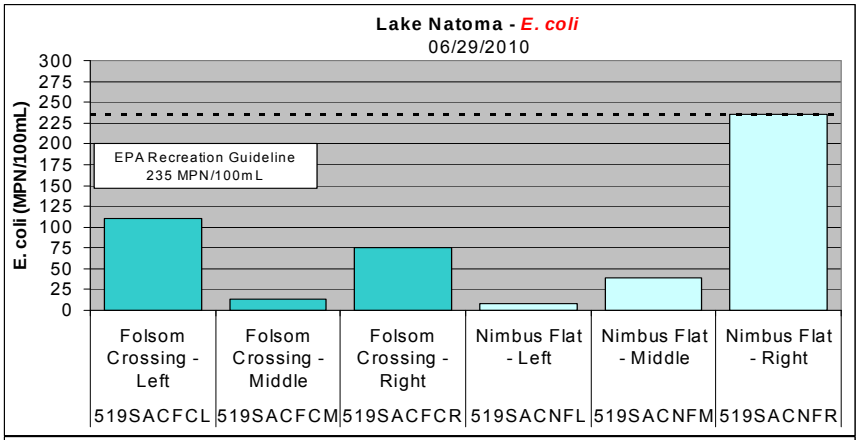
N

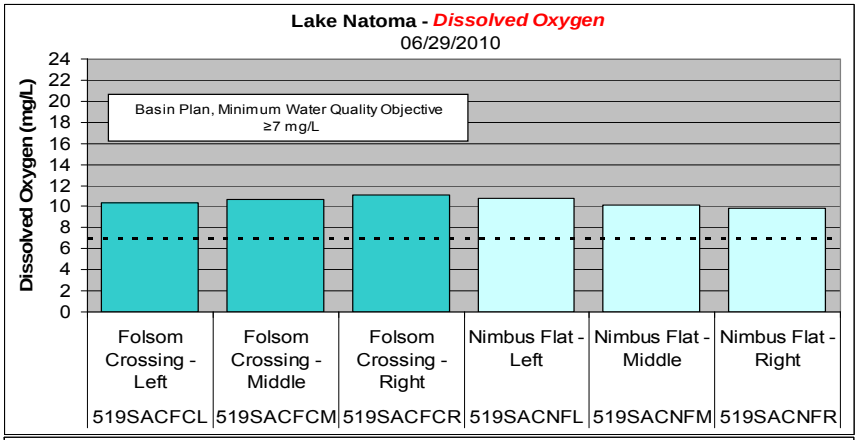
0 0.3 0.6 Miles

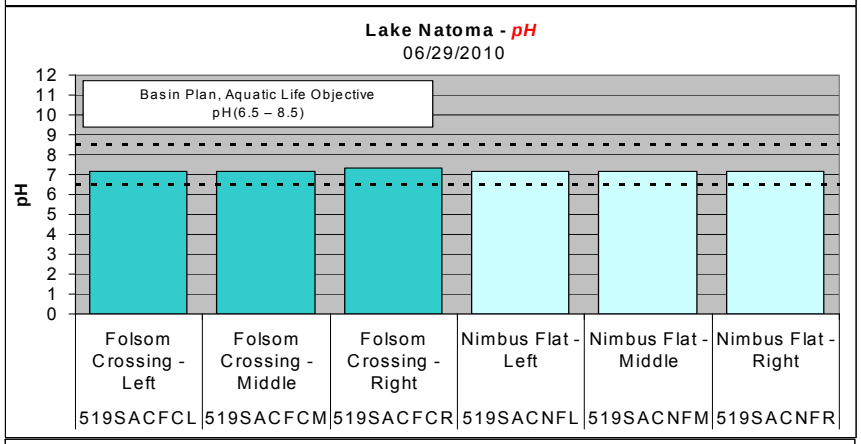
LEGEND

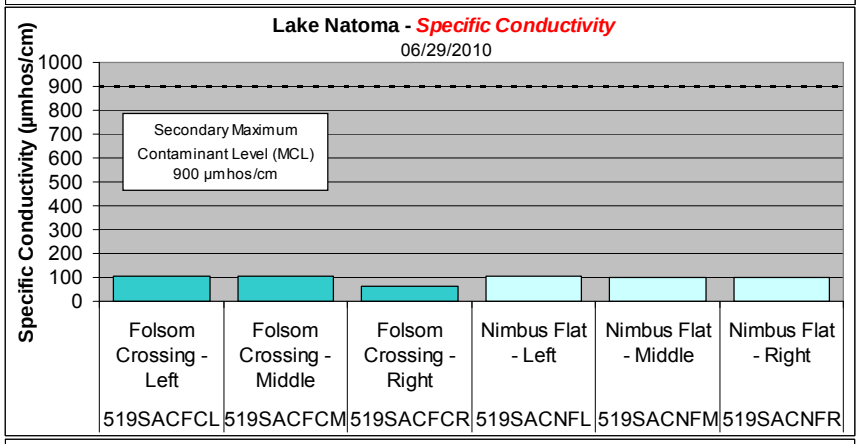
- Lake Natoma sites
- American River

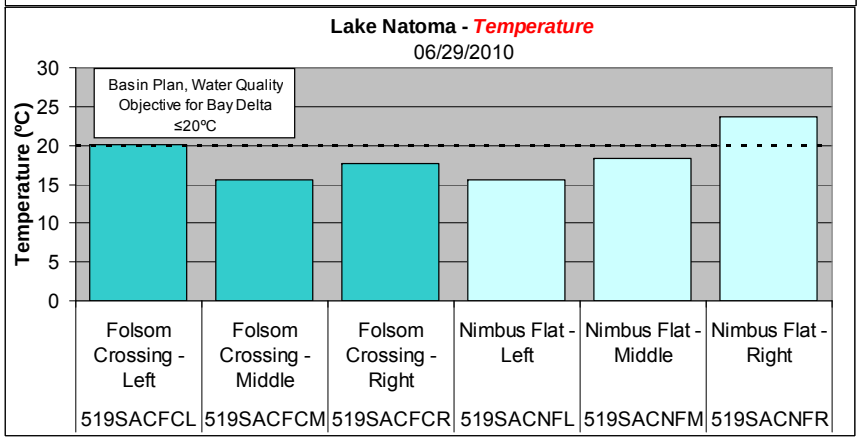
DRAFT DATA –SWAMP Safe-to-Swim Study June 2010

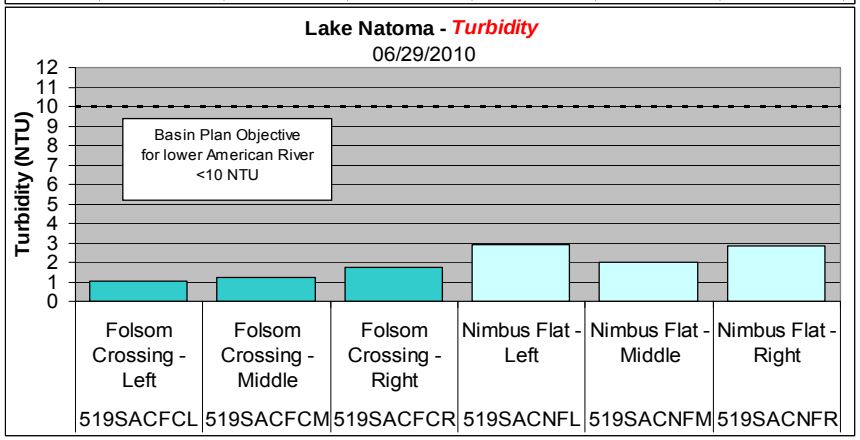












Unit measurements:

MPN/100mL = *Most Probable Number per 100 milliliters* mg/L = *milligrams per Liter* µmhos/cm = *micromhos per centimeter* ºC = *degrees Celcius* NTU = *Nephelometric Turbidity Units*

DRAFT DATA –SWAMP Safe-to-Swim Study June 2010

Constituent	Water Quality Guideline	Lake Natoma Watershed Sample Sites					
		Folsom Crossing (Left)	Folsom Crossing (Middle)	Folsom Crossing (Right)	Nimbus Flat (Left)	Nimbus Flat (Middle)	Nimbus Flat (Right)
Total Coliform (MPN/100mL)	NA	2419.6	1119.9	2419.6	204.6	686.7	>2419.6
E. coli (MPN/100 mL)	<235 MPN/100mL (USEPA Contact Recreation Guideline)	110.6	13.4	75.9	7.5	38.9	235.9
E. coli O157:H7 (positive/negative)	NA	negative	negative	negative	negative	negative	negative
Salmonella (postive/negative)	NA	negative	negative	negative	negative	negative	negative
Dissolved Oxygen (mg/L)	≥7 mg/L (Basin Plan Objective)[2]	10.36	10.67	11.12	10.77	10.1	9.87
pH	6.5-8.5 (Basin Plan Objective)[2]	7.17	7.18	7.34	7.14	7.14	7.19
Specific Conductivity (umhos/cm)	≤900 umhos/cm (Secondary Maximum Contaminant Level)[1]	106	103	61	107	101	102
Temperature (° Celsius)	≤20 °C (Basin Plan Objective for Bay-Delta)[2]	20.08	15.57	17.75	15.6	18.32	23.73
Turbidity (ntu)	≤ 10 ntu (Basin Plan Objective for the American River -Folsom Dam to Sacramento River)	1.00	1.24	1.73	2.93	2.01	2.85

Shaded cell = Does not meet Water Quality Guideline 1 - Drinking Water 2- Aquatic Life