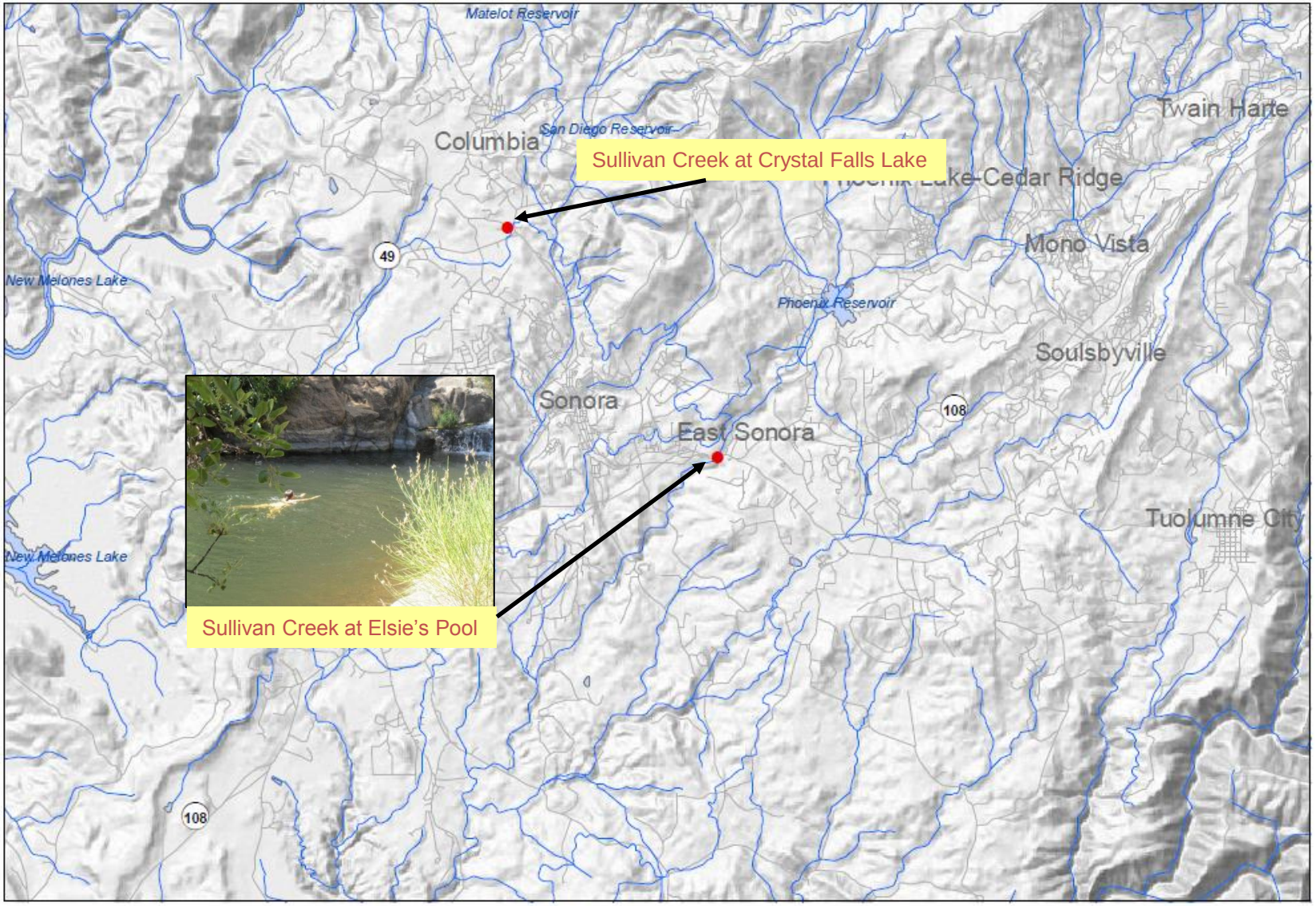
# SWAMP Safe-To-Swim Study August-September 2010

Sample Site for the Upper Tuolumne River Watershed (*Tuolumne County)*




N

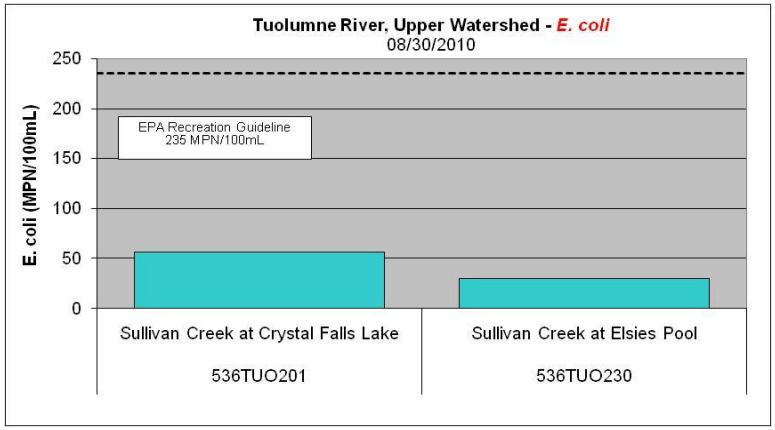
0 2.5 5 Miles

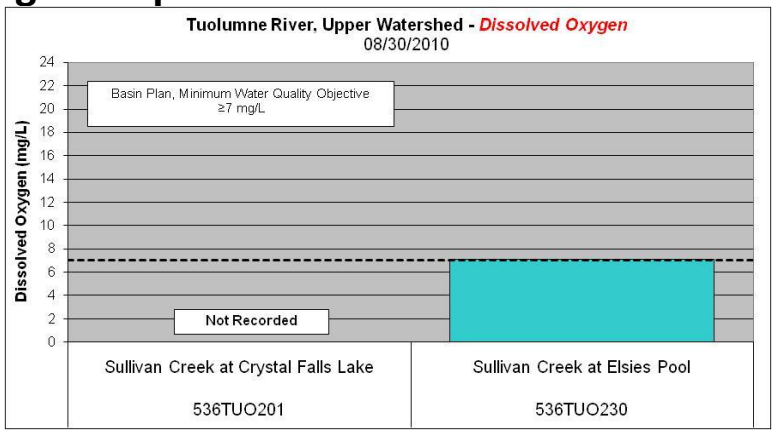
**Legend**

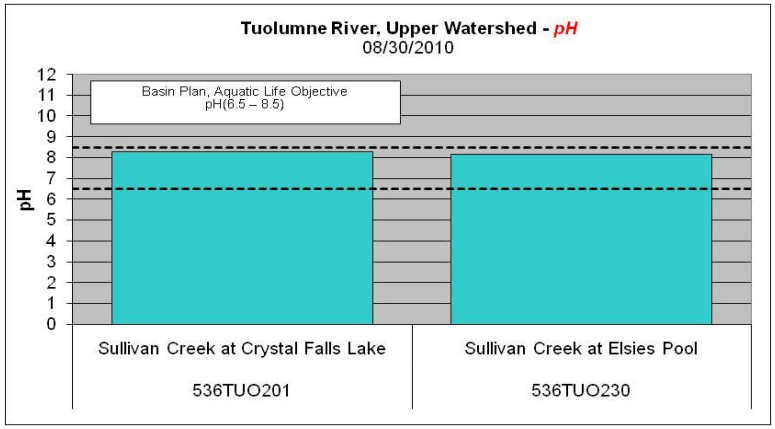
- Sullivan Creek sites in Upper Tuolumne River Watershed
- Rivers and Streams

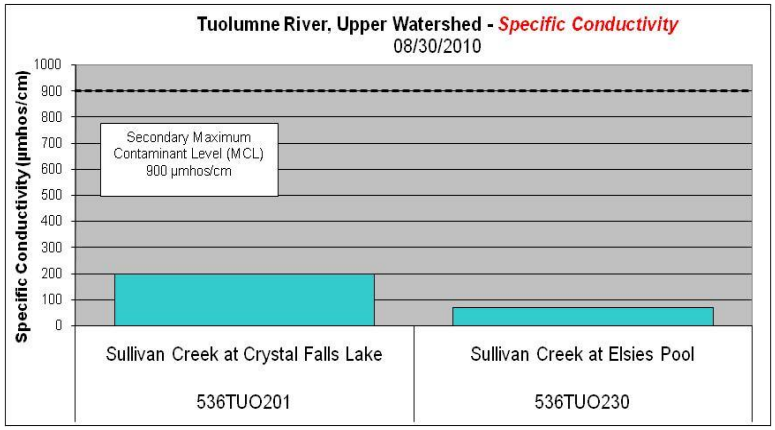
# DRAFT DATA –SWAMP Safe-to-Swim Study August-September 2010

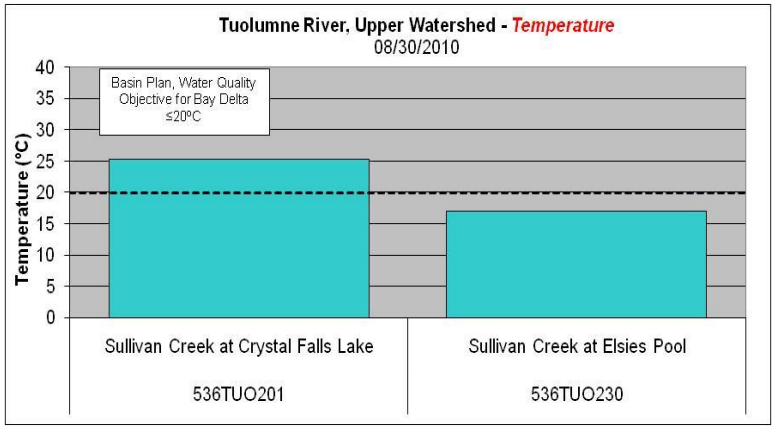


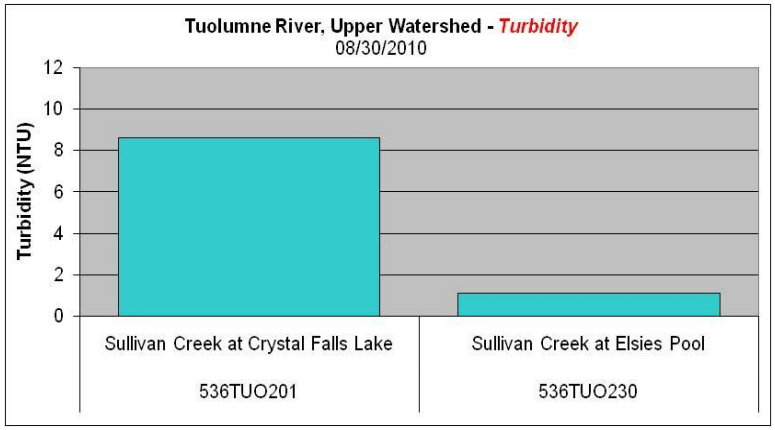



**Unit measurements:**

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 August-September 2010

| Constituent | Water Quality Guideline | Upper Tuolumne River Watershed | |
|---|---|---|---|
| | | Sullivan Creek at Crystal Falls Lake (8/30/2010) | Sullivan Creek at Elsies's Pool (8/30/2010) |
| Total Coliform (MPN/100mL) | NA | >2419.6 | 1414 |
| E. coli (MPN/100mL) | <235 MPN/100mL (USEPA Contact Recreation Guideline) | 56.3 | 29.8 |
| Dissolved Oxygen (mg/L) | ≥7 mg/L (Basin Plan Objective)2 | NA | 7.1 |
| pH | 6.5-8.5 (Basin Plan Objective)2 | 8.3 | 8.15 |
| Specific Conductivity (µmhos/cm) | ≤900 µmhos/cm (Secondary Maximum Contaminant Level)1 | 200 | 70 |
| Temperature (° Celsius) | ≤20 °C (Basin Plan Objective for Bay-Delta)2 | 25.4 | 17.1 |
| Turbidity (NTU) | NA | 8.60 | 1.07 |

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