

U.S. Environmental Protection Agency

Los Angeles Area Lakes TMDLs
March 2012

Section 13 Westlake Lake

13 Westlake Lake TMDL

Westlake Lake (#CAL4042500019990201153000) is listed as impaired by lead (SWRCB, 2010). (Note: algae, ammonia, eutrophication, and low dissolved oxygen impairments have been addressed by a previous TMDL.) Comparison of metals data to their associated hardness-dependent water quality objectives indicates that lead is currently achieving numeric targets at Westlake Lake. Therefore, a TMDL is not included for this pollutant. These analyses are presented below (see Section 13.2).

13.1 ENVIRONMENTAL SETTING

Westlake is located in the Santa Monica Bay watershed (HUC 18070104) in Los Angeles and Ventura counties, near the city limits of Thousand Oaks and Westlake Village (Figure 13-1). The private lake was completed in 1976 following the construction of a dam in 1973. According to the Urban Lakes Study (UC Riverside, 1994), the average depth is approximately six feet. Dense residential development surrounds the lake and covers a private, multi-lobed island. Additionally, a small business complex, including a yacht club and restaurants, is located on the southeast shore of the lake. The private lake is the site of heavy recreation, predominately boating and catch and release fishing, as swimming is prohibited (Figure 13-2 and Figure 13-3). Catfish are periodically stocked in the lake (July 17, 2009 USEPA Field Notes).

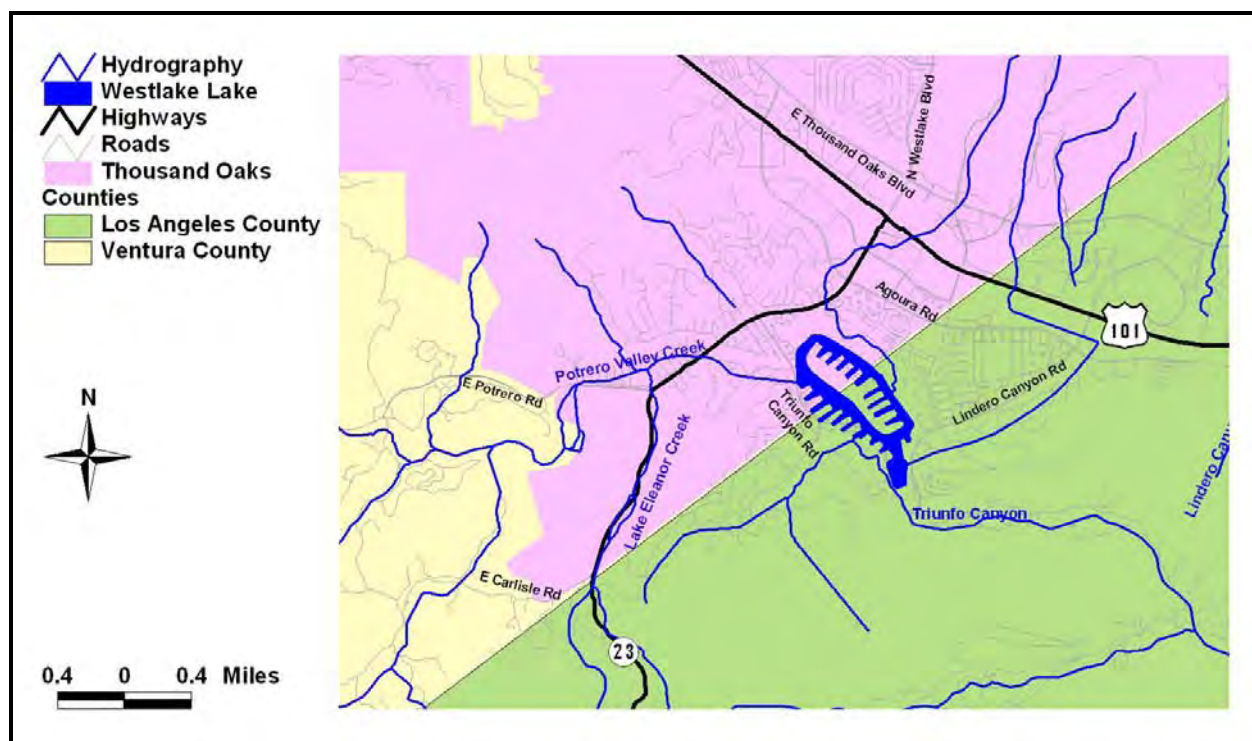


Figure 13-1. Location of Westlake Lake



Figure 13-2. **View of Westlake Lake**



Figure 13-3. **Sampling Location is at the Buoys (WL1)**

Westlake was included in the Urban Lakes Study (UC Riverside, 1994). The primary inflows to the lake were identified as Potrero Valley Creek, two wells, six storm drains (Figure 13-4), and runoff from the upstream watershed. Westlake Lake discharges to Triunfo Canyon Creek.

As of the writing of this TMDL, there are no non-MS4 NPDES permitted discharges in the Westlake Lake watershed. This includes non-stormwater discharges (individual and general permits) as well as general stormwater permits associated with construction and industrial activities.



Figure 13-4. **Sampling Location in Front of Storm Drain (WL3)**

13.2 LEAD IMPAIRMENT

Westlake Lake was listed as impaired for lead in 1996 based on an assessment in the Regional Board's Water Quality Assessment and Documentation Report (LARWQCB, 1996). Consistent with project plan recommendations provided in California's Impaired Waters Guidance (2005), EPA and local agencies collected 24 additional samples between March 2009 and October 2010 to evaluate current water quality conditions. There were zero dissolved lead exceedances in 24 samples (Appendix G, Monitoring Data). USEPA also collected two sediment samples during August 2010 to further evaluate lake conditions. There were zero sediment lead exceedances of the 128 ppm freshwater (Probable Effect Concentrations) sediment target (Appendix G, Monitoring Data). Therefore, Westlake meets lead water quality standards, and USEPA concludes that preparing a TMDL for lead is unwarranted at this time. USEPA recommends that Westlake Lake not be identified as impaired by lead in California's next 303(d) list.

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