



# California Regional Water Quality Control Board

## Los Angeles Region



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Agency Secretary

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Arnold Schwarzenegger  
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**TO:** Interested Parties

**FROM:** Sam Unger *SU*  
Section Chief – Regional Programs

**DATE:** February 5, 2007

**SUBJECT:** Machado Lake Nutrient TMDL – Public Meeting

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) invites stakeholders and interested parties to a public meeting on **Wednesday, February 21, 2007, at 10:00 am** to discuss development of the Machado Lake nutrient TMDL. The meeting will be held at the Regional Board's office (320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California). The purpose of the meeting is to solicit public participation in the development of a Total Maximum Daily Load (TMDL) for nutrient related impairments at Machado Lake. In 2008, the Regional Board will consider an amendment to the *Water Quality Control Plan for the Los Angeles Region* (Basin Plan) to incorporate this TMDL.

At the meeting, Regional Board staff will discuss the availability of water quality data and current data collection activities at Machado Lake, the technical approach to developing a plan to improve water quality at Machado Lake, and TMDL development schedule. Staff will also solicit input regarding effective public and stakeholder participation in the TMDL process.

Please contact Rebecca Veiga Nascimento at 213-576-6661 or [rveiga@waterboards.ca.gov](mailto:rveiga@waterboards.ca.gov) with questions or to be included on the agenda.

**California Environmental Protection Agency**



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

### Background

Machado Lake is a shallow urban lake located in the Ken Malloy Harbor Regional Park (KMHRP), which is a 231 acre Los Angeles City Park serving the Wilmington and Harbor City areas. Machado Lake is subject to nutrient related water quality problems such as algal blooms and eutrophic conditions. Machado Lake provides numerous beneficial uses, including wildlife habitat, aquatic habitat and recreation. Ken Malloy Harbor Regional Park and Machado Lake provide an important and well visited public recreational site. The developing TMDL will include a strategy to reduce nutrient related impairments at Machado Lake in order to protect beneficial uses and achieve water quality objectives set to protect those uses.

The Regional Board is charged with implementing the provisions of both the State of California Porter-Cologne Water Quality Control Act and the federal Clean Water Act in the Los Angeles Region. Section 303(d)(A)(1) of the Federal Clean Water Act requires the Regional Board to identify water quality limited segments within the Region. This includes water bodies not attaining water quality standards. Once these water bodies are identified, TMDLs are to be established for pollutants causing the impairments.

A TMDL specifies the maximum amount of a pollutant that a water body can receive and still meet water quality standards. The acceptable amount of pollutant load is allocated to point, non-point and natural sources. A TMDL can be expressed in terms of either mass per time, toxicity, concentration, or other appropriate measures. The US EPA approved listing Machado Lake on the 2006 303(d) list of impaired waterbodies in California for algae, ammonia, and eutrophic conditions.

The Regional Board staff will consider all available data and studies related to nutrient loading and nutrient water quality impairments at Machado Lake and solicit stakeholder involvement in the TMDL development. Regional Board staff has initiated studies to determine nutrient sources and the assimilative capacity of Machado Lake.