

Lake Elsinore and Canyon Lake Nutrient TMDL Implementation Plan/Schedule

Task	Description	Responsible Party	Compliance Date-As soon As Possible but No Later Than	Delivery Date	Status
TMDL Phase 1					
Task 1	Establish New Waste Discharge Requirements	Regional Board	March 31, 2006		On-Going
Task 2	Revise Existing Waste Discharge Permits	Regional Board	March 31, 2006		On-Going
Task 3	Identify Agricultural Operators	Regional Board	October 31, 2005		On-Going
Task 4	Nutrient Water Quality Monitoring Program				
	4.1 Watershed-wide Nutrient Monitoring Plan	Task Force Stakeholders	Initial plan/schedule due December 31, 2005		Complete
	4.2 Lake Elsinore Nutrient Monitoring Plan				Complete
	4.3 Canyon Lake Nutrient Monitoring Plan		Revised plan/schedule due December 31, 2006		Complete
	Annual Water Quality Monitoring Report		Annual reports due August 15		Annual Deliverable
Task 5	Agricultural Discharges – Nutrient Management Plan	Agricultural Operators	Plan/schedule due September 30, 2007		Complete
	5.1 Final Ag NMP Report		Final report due June 30, 2010		On-Going
Task 6	On-site Disposal Systems (Septic Systems) Management	Urban Dischargers	Plan Dependent on State Board approval of relevant regulations		Draft Pending Regulation
Task 7	Urban Discharges				
	7.1 Revision of Drainage Area Management Plan (DAMP)	Urban Dischargers	Plan/schedule due August 1, 2006		Complete
	7.2 Revision of the Water Quality Management Plan (WQMP)	Urban Dischargers	Plan/schedule due August 1, 2006		Complete
	7.3 Update of the Caltrans Stormwater Management Plan and Regional Plan	CalTrans	Plan/schedule due April 1, 2006		Complete
	7.4 Update of US Air Force, March Air Reserve Base SWPPP	USAF	Dependent on Task 3 results (see TMDL Document)		
Task 8	Forest Area – Review/Revision of Forest Service Management Plans	US Forest Service	Plan/schedule due September 30, 2007		Complete
Task 9	Lake Elsinore In-Lake Sediment Nutrient Reduction Plan	Task Force Stakeholders	Plan/schedule due March 31, 2007		Complete
Task 10	Canyon Lake In-Lake Sediment Treatment Evaluation	Task Force Stakeholders	Plan/schedule due March 31, 2007		Complete
Task 11	Watershed and Canyon Lake and Lake Elsinore In-Lake Model Updates	Task Force Stakeholders	Plan/schedule due October 31, 2007		Complete *
Task 12	Pollutant Trading Plan	Task Force Stakeholders	Plan/schedule due October 31, 2007		Complete *
Task 13	Review and Revise Nutrient Water Quality Objectives	Regional Board	December 31, 2009		
Task 14	Review of TMDL/WLA/LA	Regional Board	Once every 3 years to coincide with the Regional Board's triennial review		

* More detailed schedules to complete Updates to the Watershed and In-Lake Nutrient Models (TMDL Task #11) and the Pollutant Trading Program (TMDL Task #12) were submitted to the Regional Board in separate plans as required by Resolution No. R8-2004-0037.

TMDL TASK 9: Lake Elsinore Sediment Nutrient Reduction Plan - Implementation Schedule

Phase	Description	Estimated Completion Date	Delivery Date	Status
1	Install Aeration & Axial Flow Pump Mixing Systems	Complete		Complete
1	Supplemental Reclaimed Water Flows	Complete		Complete
1	Submit Preliminary Plan to Update Water Quality Models	Complete		Complete
1	Submit Preliminary Pollutant Trading Plan	Complete		Complete
1	Revise and Update WDRs and MS4 Permits	March, 2008		On-Going
1	Revise Monitoring Plan to include Biological Sampling Program	June, 2008		Complete
1	Summarize Results of Monitoring Program	August, 2008		Complete
1	Summarize Results of Monitoring Program	August, 2009		Draft
1	First TMDL Review	November, 2009		
1	Review Nutrient Water Quality Objectives	March, 2010		
1	Summarize Results of Monitoring Program	August, 2010		
1	Update Water Quality Models	November, 2010		FY 2009-10 budget
1	Submit O & M Agreement for Fishery Management Program	December, 2010		FY 2010-11 budget
1	Submit O & M Agreement for Aeration & Mixing Systems	December, 2010		FY 2010-11 budget
1	Submit Phase 2 Implementation Alternatives	December, 2010		FY 2010-11 budget

TMDL TASK 9: Lake Elsinore Sediment Nutrient Reduction Plan - Implementation Schedule

Phase	Description	Estimated Completion Date	Delivery Date	Status
2	Begin data collection to calculate 10-year rolling average	January, 2011		
2	Submit Phase 2 Projects Plan	June, 2011		FY 2010-11 budget
2	Summarize Results of Monitoring Program	August, 2011		
2	Second TMDL Review	November, 2012		
2	Revise & Update WDRs and MS4 Permits	March, 2013		
2	Summarize Results of Monitoring Program	August, 2013		
2	Summarize Results of Monitoring Program	August, 2014		
2	Complete Phase 2 Project Implementation	December, 2014		
2	Summarize Results of Monitoring Program	August, 2015		
2	Third TMDL Review	November, 2015		
2	Compliance Deadline for Interim Targets (DO & Chlorophyll-a)	December, 2015		
2	Summarize Results of Monitoring Program	August, 2016		
2	Summarize Results of Monitoring Program	August, 2017		
2	Revise and Update WDRs & MS4 Permits	March, 2018		
2	Summarize Results of Monitoring Program	August, 2018		
2	Fourth TMDL Review	November, 2018		
2	Summarize Results of Monitoring Program	August, 2019		
2	Summarize Results of Monitoring Program	August, 2020		
2	Compliance Deadline for 10-year Rolling Averages (N, P, NO3)	December, 2020		
2	Final TMDL Review (De-Listing Petition)	December, 2021		

TMDL TASK 11: Update Watershed and In-Lake Nutrient Models - Implementation Schedule

	Implementation Action	Estimated Completion Date	Delivery Date	Status
1	Complete Study of In-Lake Processes	December, 2008		
2	Complete Study of Linkage Analysis Related to External Loading	December, 2009		
3	Complete Study of External Nutrient Source Contributions	August, 2010		
	a. Agricultural Dischargers Data			
	b. On-Site Disposal Systems Data			
	c. Urban Dischargers Data			
	d. Forest Service Data			
4	Define Modeling Goals and Objectives	November, 2010		
5	Evaluate Available Models	December, 2010		
6	Obtain Update of SCAG Land Use Coverage	December, 2010		
7	Design Lake and Watershed Modeling Framework	March, 2011		
8	Construct and Calibrate Models	June, 2011		
9	Perform Modeling Scenarios	August, 2011		
10	Modeling Recommendations and Final Report	November, 2011		

TMDL TASK 12: Pollutant Trading Plan - Implementation Schedule

	Implementation Action	Estimated Completion Date	Delivery Date	Status
1	Complete Phase 2 Water Quality Monitoring	August, 2010		
2	Complete Model Updates	November, 2011		
3	Conduct Feasibility Analysis and Identify Pollutant Trading	March, 2012		
4	Define Credit and Develop Operating Principles	June, 2012		
5	Create and Adopt Program Protocols and Program	August, 2012		
6	Submit Pollutant Trading Program Report to RWQCB	November, 2012		