

Big Bear Lake Nutrient TMDL Implementation Plan/Schedule Due Dates

TMDL Compliance

Compliance with "dry hydrological conditions" to be achieved as soon as possible, but no later than 2015

Compliance with "wet and/or average hydrological conditions" to be achieved as soon as possible, but no later than 2020

Task	Description	Responsible Party	Compliance Date-As soon As Possible but No Later Than	Delivery Date	Status
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Phase 1 - Regional Board TMDL Deliverables

Task 1	Establish New Waste Discharge Requirements for Nutrient Sources	Regional Board ¹	February 29, 2008	Sept. 2009	in review
	Waste Discharge Requirements (WDRs) or Conditional Waiver of WDRs to the US Forest Service				
Task 2	Establish New Waste Discharge Requirements for Lake Restoration Activities	Regional Board *	February 28, 2009	Oct. 2009	in review
	NPDES Permit to the US Forest Service, the State of California, Department of Transportation (Caltrans), the County of San Bernardino, San Bernardino County Flood Control District, the City of Big Bear Lake, and Big Bear Mountain Resorts				
Task 3	Revise Existing Waste Discharge Requirements	Regional Board ²	February 29, 2008	Dec. 2009	in review
	3.1 Waste Discharge Requirements for the San Bernardino County Flood Control and Transportation District, the County of San Bernardino and the Incorporated Cities of San Bernardino County within the Santa Ana Region				
	3.2 State of California, Department of Transportation (Caltrans) Stormwater Permit				
Task 4	Nutrient Water Quality Monitoring Program		Plan/schedule due November 30, 2007		
	4.1 Watershed-wide Nutrient Monitoring Plan(s)	Task Force *		May 2009	in review
	4.2 Big Bear Lake Nutrient Monitoring Plan(s)	Big Bear MWD	Annual reports due February 15		
	4.3 Annual Report			Apr. 22, 2009	
Task 5	Atmospheric Deposition Determination	Regional Board ^{**}	Plan/schedule due August 31, 2008	July 30, 2008	Task 1 in review
Task 6	Big Bear Lake – Lake Management Plan, including:				
	6A. Big Bear Lake and Watershed Model Updates	Task Force *	Plan/schedule due August 31, 2008	TBD	
	6B. Big Bear Lake In-Lake Sediment Nutrient Reduction Plan for Dry Weather Conditions	Task Force *	Annual reports due February 15	Dec 2008	Draft Submittal
	6C. Big Bear Lake Aquatic Plant Management Plan	Big Bear MWD		TBD	
	6D. Annual Report			TBD	Annual Report

Phase 2 - Regional Board TMDL Deliverables

Task 7	Review/Revision of Big Bear Lake Water Quality Standards				
	7.1 Review/Revise Nutrient Water Quality Objectives	Regional Board	December 31, 2015		No work
	7.2 Development of biocriteria				No work
	7.3 Development of natural background definition				No work
Task 8	Review Big Bear Lake Tributary Data	Regional Board ³	December 31, 2008	Jly. 2009	In review
Task 9	Develop TMDLs, WLAs and LAs for wet and/or average hydrological conditions	Regional Board ⁺⁺⁺	December 31, 2012		No work
Task 10	Review of TMDL/WLAs/Las	Regional Board ⁴	Once every 3 years	2010	No work

¹ Regional Board staff need to review status of state agreements with USFS to determine direction wrt to WDRs or other regulatory action -expect decision Sept. 2009

* The Regional Board, pursuant to the submittal of Task 6C, the Aquatic Plant Management Plan and Schedule

² Per communication with the Stormwater section, anticipate 1st workshop in July and adoption in August or October 2009 for MS4 permit; Existing CalTrans permit is up for renewal - schedule dependent on State Board expect end of 2009

* Task Force includes the US Forest Service, the State of California, Department of Transportation (Caltrans), the County of San Bernardino, San Bernardino County Flood Control District, the City of Big Bear Lake and Big Bear Mountain Resorts

** Regional Board, in coordination with local stakeholders, the South Coast Air Quality Management District and the California Air Resources B45; Plan submitted July 30, 2008 at TMDL meeting

³ Regional Board staff received beneficial use data April 2009; will meet next submittal of data for 305(b) report due in 2010

+++ The Regional Board, pursuant to the collection of additional water quality data and information to meet monitoring program requirements (Tasks 4 and 5) and complete model updates (Task 6A)

⁴ Regional Board review dependent on submittal of sufficient data and model updates

Big Bear Lake Dry Hydrologic Conditions Nutrient TMDL Atmospheric Deposition Determination Plan/Schedule

Task #	Task Description	Due Date	Delivery Date	Delivery Date	Status
1	Data/Literature Review	11/30/08	Draft report submitted to management -12/17/2008		in review
2	Agency Coordination	Ongoing			Letters sent to Air Agencies 4/2009
3	Source Identification	01/31/10			
4	Source Reduction Plan	04/30/10			
5	Final Atmospheric Deposition Implementation Plan	01/31/11			

Lake Management Plan to Achieve Compliance with the Nutrient TMDL for Dry Weather Conditions in Big Bear Lake
TMDL Task Force* Implementation Schedule

Task #	Task Description	Strategy	Due Date	Delivery Date	Status
1	Review and Update Public Education Program	Prevention	2009		
2	Perform Maintenance on All Retention Basins	Prevention	2009		
3	Seek General Permit for Low Level Maintenance Dredging	Mitigation	2009		
4	Summarize and Report Lake Stabilization Activities	Offset	2009		
5	Update 3D Beneficial Use Map and Related Database	Compliance	2009		
6	Develop Formal Weed Control Plan	Remediation	2010		
7	Develop Formal Aeration Operation & Expansion Plan	Remediation	2010		
8	Develop Formal Fishery Management Plan	Offset	2010		
9	Revise and Update TMDL Models	Regulatory	2010		
10	Perform Special Studies to Estimate Natural Background Loads	Regulatory	2010		
11	Regional Board's TMDL Review for Big Bear Lake		2010		
11	Develop Nutrient Load Accounting System	Regulatory	2011		
12	Interim Compliance Deadline for Dry Weather Conditions	Regulatory	2015		