Attachment IV -TMDL Requirements

Attachment IVa identifies TMDLs adopted by the Regional Water Boards and approved by USEPA for which the Department has been assigned a Waste Load Allocation (WLA), where roads in general have been assigned a WLA or Load Allocation (LA), or which identifies the Department as a responsible party in the implementation plan. Attachment IVb identifies the TMDLs established by USEPA. These TMDLs are established without implementation plans or compliance schedules. This summary is compiled for the convenience of the Department only¹. The Department is obligated to consult each TMDL to comply with all applicable allocations and other provisions, whether included in the table or not. Compliance with all TMDLs must be demonstrated to the satisfaction of the applicable Regional Water Board.

Column 1 identifies applicable Regional Water Board Basin Plan Amendments, orders and resolutions which contain the implementation requirements.

Column 2 contains a partial-list of WLAs, LAs, deliverables and action items contained in the Basin Plan Amendments, orders and resolutions, and from required submittals by the Department to the Regional Water Boards that have previously been approved by the Executive Officers. WLAs are listed in Attachment 4 where the relevant TMDL assigns a specific numeric load to the Department.

Column 3 contains the associated due dates, compliance dates, and deadlines. All TMDL-related requirements with due dates, compliance dates, and deadlines prior to the effective date of this Order are enforceable through this Order as though the date or deadline is the same as the effective date of this Order. Dates beyond the term of this Order are included for reference, but will become enforceable through this Order in the event that this Order is administratively extended.

¹ This Attachment IV contains new specific permit requirements derived from San Francisco Bay Regional Water Board TMDLs for San Francisco Bay PCBs, San Francisco Bay Mercury, Sonoma Creek Sediment, and Napa River Sediment. Unlike the remainder of Attachment IV, these requirements are directly enforceable through this Order.

<u>REVISED – August 18, 2011</u> Attachment IVa – Regional Water Board Approved TMDLs

R1- North Coast Regional Water Board

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
ShastaGarcia River	<i>WLA</i> Temperature: None Specified	None Specified
Oxygen & Temperature	Dissolved Oxygen: None Specified.	None Specified
<u>Sediment</u>	Other Complete Lake Shastina Special Study: develop plan for addressing factors affecting water quality conditions.	January 26, 2009
Effective Date: January 26, 2007 March 7.	Implement the requirement of the Department Storm Water Program.	January 26, 2009
2002	Implement Lake Shastina Special Study Plan	January 26, 2012
BPA: <u>September</u>	Sediment Load Allocation: Zero controllable discharges.	March 7, 2002
Plan for the ShastaGarcia	Control Plan and an approved Site-Specific Management Plan, or comply with an approved Erosion Control Plan and the Garcia River Management Plan	March 7, 2002
River Watershed Temperature and Dissolved Oxygen - June 28, 2006Sediment TMD		
Resolution No.		
Klamath River & Lost River	WLA Temperature: None Specified	None Specified
Temperature, Dissolved	Dissolved Oxygen: None Specified	None Specified
Oxygen, Nutrient, and Microcystin	Nutrient: None Specified	None Specified
Effective Date:	Microcystin: None Specified	None Specified
December 28, 2010	Other	
BPA: Action Plan for Klamath River TMDLs Addressing	Nutrient and Organic Matter: Daily total phosphorus load allocations, daily total nitrogen load allocations, and daily carbonaceous biochemical oxygen demand allocations are expressed by source area in Table 4-16 of the Water Quality Control Plan for the North Coast Region.	December 28, 2010
Temperature, Dissolved Oxygen, Nutrient, and Microcystin	Dissolved Inorganic Nitrogen: Reach 1: 0.1 metric tons/yr or 0.3 average kg/day. Reach 2: 0.2 metric tons/yr or 0.5 average kg/day. Reach 3: 0.2 metric tons/yr or 0.5 average kg/day	December 28, 2010
the Klamath River in California and Lost River Implementation Plan.	Sediment -inventory, prioritization, scheduling, implementation, monitoring, and adaptation: Inventory, prioritize, schedule, implement, monitor and adapt steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report
Resolution No. R-2010-0026	Assessment of fish migration barriers and potential barriers. Develop priority ranking and time schedule for modifying barriers.	Annual Report

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
Scott River Sediment <u>and</u> Temperature	WLA Sediment: None specified	None specified
Effective Date:	Temperature: None specified	None specified
August 11, 2006	Other	September 8, 2006
BPA: <u>Action Plan</u> for the Scott River <u>Sediment and</u> <u>Temperature</u> Total Maximum	Sediment Load Allocations: Load allocations for road surface erosion, road-related stream crossing failures, road-related gullies, road-related cut/fill failures, and road- related landslides are expressed as averages over the entire Scott River watershed and are to be evaluated on a ten-year, rolling-average basis as listed in Table 4-8 of the Water Quality Control Plan for the North Coast Region.	
Daily Loads	Temperature Load Allocations: Adjusted potential effective shade conditions as expressed in Figure 4-5 of the <i>Water Quality Control Plan for the North Coast Region</i> .	<u>September 8, 2006</u>
Resolution Nos. R1-2004-0087 and R1-2005- 0013	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report
Shasta River Watershed Dissolved Oxygen	WLA Temperature: There are no point source heat loads in the Shasta River Watershed, therefore no WLAs apply.	None
Effective Date:	Dissolved Oxygen: There are no known point sources of oxygen-demanding constituents to the Shasta River and tributaries.	None Specified
BPA: Action Plan for the Shasta River Watershed Temperature and Dissolved Oxygen – June 28, 2006	Other: Temperature Load Allocation: Landowners and operators in the mainstream Shasta River below Dwinnell Dam are allocated loads equal to potential solar radiation transmittance, as tabulated in Table 4-11 and Figure 4-6 of the <i>Water Quality Control</i> <i>Plan for the North Coast Region</i> . Landowners and operators on the Shasta River above Dwinnell Dam and on tributaries are allocated loads equal to adjusted potential effective shade, which is equal to 90% of site potential shade.	<u>January 26, 2007</u>
Resolution No. R1-2006-0052	Dissolve Oxygen Load Allocation: As assigned to landowners whose operations contribute to water quality conditions within the specified reaches of the Shasta River, the load allocations are assigned to reaches of the Shasta River as identified in Table 4-13 of the Water Quality Control Plan for the North Coast Region.	<u>January 26, 2007</u>
	Complete Lake Shastina Special Study: Develop plan for addressing factors affecting water quality conditions.	<u>January 26, 2009</u>
	Implement the requirement of the Department Storm Water Program.	<u>January 26, 2009</u>
	Implement Lake Shastina Special Study Plan.	<u>January 26, 2012</u>

<u>REVISED – August 18, 2011</u> R2 – San Francisco Bay Regional Water Board

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
San Francisco Bay PCBs	WLA San Francisco Bay PCBs TMDL Waste load Allocation None Specified	<u>To be Determined</u> Year 2 Annual Report
Effective Date: March 29, 2010	San Francisco Bay <i>Mercury</i> TMDL Wasteload Allocation None Specified	None Specified
BPA Exhibit A – TMDL & Implementation Plan for PCBs	<i>Monitoring</i> Independently or in cooperation with urban runoff management agencies develop and implement a monitoring program to quantify PCBs and mercury loads and loads reduced through source control, treatment and other management measures.	None Specified
Resolution Nos. R1-2008-0012	Report on the methods used to assess progress toward meeting WLAs including description of the measurement and estimation methodology and rationale used for the approaches.	None Specified
San Francisco Bay Mercury	Report results of the chosen monitoring approach concerning loads assessment and estimation of loads reduced.	To be Determined
Effective Date: February 12, 2008	Pilot Projects to Investigate and Abate Locations with Elevated PCBs and Mercury Concentrations, Including Public Rights-of-Way and Stormwater Conveyances with Accumulated Sediments with Elevated PCBs and Mercury Concentrations	Cao Doloui
BPA – Chapter 7, SF Bay Mercury TMDL	Investigate and abate PCBs and mercury sources in or to storm drain systems in conjunction with the Water Board and other appropriate regulatory agencies.	<u>See below</u>
Resolution No. R2-2006-0052	Identify at least two drainage areas that contain high levels of PCBs and conduct pilot projects to investigate and abate these high PCBs/mercury concentrations. Conduct reconnaissance in the pilot project drainage areas, test sediments in storm drains and conveyances, and characterize the extent and magnitude of PCBs/mercury	<u>See Below</u> Year 2 Annual Report
	concentrations. Evaluate data and determine if a PCBs/mercury abatement program would reduce PCBs/mercury loading significantly.	Year 4 Annual Report
	Report on the identified suspect drainage areas.	
	Report on proposed abatement opportunities/activities, responsible parties, funding agency oversight, and schedules.	None Specified
	Report results of the abatement program's effectiveness and provide estimates of loads of PCBs and mercury reduced, and submit a plan and schedule for possible expanded implementation in subsequent permit terms.	None Specified
	Conduct Pilot Projects to Evaluate and Enhance PCBs/Mercury Sediment Removal and Management Practices	
	Evaluate in at least two drainages pilot projects to enhance PCBs/mercury load reduction benefits of enhanced operation and maintenance activities that remove or manage sediment (e.g., street sweeping, inlet cleaning, catch basin cleaning, storm water conveyance system maintenance, and pump station cleaning). Include consideration of street flushing and capture, collection, or routing to the sanitary sewer (in coordination and consultation with local sanitary sewer agencies) as a potential enhanced management. Reducing loads of PCBs is the main site selection factor, and reducing loads of mercury is a secondary criterion.	<u>See Below</u>
	Quantify and report on the amount of PCBs/mercury loads removed or avoided from implementation of selected measures and document this knowledge and experience	

	<u>REVISED – August 18, 2011</u>						
TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date					
	gained.	Year 1 Annual Report					
	Report selected sites, operation and maintenance activities to be evaluated, and pilot project implementation schedule.	Year 2 Annual Report					
		Year 3 Annual Report					
	Report status of the pilot projects.	Year 4 Annual Report					
	Report on the effectiveness of enhanced implementation practices, estimates of loads reduced, and submit a plan and schedule for possible expanded implementation in subsequent permit terms.						
	Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit	News Operational					
	Evaluate and quantify the removal of PCBs and mercury by on-site treatment systems via retrofit into existing storm drain systems at a minimum of three locations. Reducing loads of PCBs is the main site selection factor, and reducing loads of mercury is a secondary criterion.	None Specified					
	Quantify and report on the amount of PCBs/mercury loads removed or avoided from implementation of selected measures and document this knowledge and experience gained.						
	Report selected sites, operation and maintenance activities to be evaluated, and pilot project implementation schedule.	None Specified					
	Report status of the pilot projects.	See Below					
	Report on the effectiveness of enhanced implementation practices, estimates of loads reduced, and submit a plan and schedule for possible expanded implementation in subsequent permit terms.						
	Conduct Pilot Project to evaluate Diversion of Dry Weather and First Flush Flows to POTWs						
	Evaluate the reduced loads of PCBs/mercury from diversion of dry weather and first flush storm water flows to sanitary sewers via implementing one pilot project. Reducing loads of PCBs is the main site selection factor, and reducing loads of mercury is a secondary criterion.	See Below Year 1 Annual Report					
	Quantify and report the amount of PCBs/mercury loads removed or avoided and						
	Report location of diversion project and schedule for implementation.	Year 2 and 3 Annual Reports					
	Report status of the pilot project.	Very 4 Append Depart					
	Report on the pilot project effectiveness and PCBs and mercury loads reduced, and submit a plan and schedule for possible expanded implementation in subsequent permit terms.	rear 4 Annual Report					
	Specific Provision for San Francisco Bay Mercury TMDL – Develop Wasteload Allocation Sharing Scheme						
	Develop equitable mercury WLA sharing scheme in consultation with SF Bay Area urban runoff management agencies to address roadway and non-roadway facilities' contribution of mercury loadings within the jurisdiction of each agency and report the details to the Regional Water Board. Alternatively, implement mercury load reduction actions on a watershed or region-wide basis in lieu of sharing a portion of an urban runoff management agencies' mercury WLA.	None Specified					
		None Specified					

TMDL	WLAs/Deliverables/Action Required	Compliance Da Due Date
	Report status of efforts to develop WLA sharing scheme.	
	Report the manner in which the mercury WLA will be shared with urban runoff management agencies or submit request for a separate mercury WLA.	See Below
		See Below
		Year 2 -Annual Rep
		Year 3 Annual Rep
		Year4 Annual Rep
		None Specified
		None Specified
		Year 2 Annual Re
		Year 3 Annual Re
		Year 4 Annual Re
		None Specified
		See Below
		See Below
		Year 2 Annual Rep
		Year 3 Annual Rep

		REVIS	<u> SED – Augus</u>	st 18, 2011		
TMDL		WLAs/Deli	verables/Act	ion Required		Compliance Date Due Date
						Year 4 Annual Report
						<u>See Below</u>
						Year 1 and 2 -Annual Reports Year 3 -Annual Report
Sonoma Creek Sediment	<u>Sonoma Cre</u> Sonoma Cre	e <u>ek </u> WLA ek Sediment Wastel	oad Allocation			None specified
Effective Date: September 8, 2010	Current (2005)	Estimated Reductions	Waste Lo	ad Allocation		<u>June 2014</u>
BPA: Exhibit A. Sediment &	Load ⁶	Needed (Percentage)	Tons/year ^a	Background]	
Plan – December 12, 2008 .	100	0	100	0.2		
Resolution No. R2-2008-0103 and Resolution No. 2010-0016	<u>b</u> Total current (2	s and allocations are round 2005) estimated sediment lo	ed to the hearest hun had = 117,400 tons/yr	<u>area.</u>		None specified
	Perfor	mance Standards		Actions		
Napa River Sediment	Roads: De maintain ru road- relate	esign, construct, and ral roads to minimize ad sediment delivery to popels : and	<u>Submit a F</u> Regional V <u>minimum, t</u>	Report of Waste Disch Vater Board that provi the following: descrip ork and/or segments:	arge ² to the ides, at a ition of the identification	
Effective Date: Pending January 20, 2011	Gullies and Promote na	l/or shallow landslides atural recovery and	of erosion <u>achieve pe</u> <u>this table;</u>	and sediment control rformance standard(s and a schedule for im	measures to s) specified in plementation	<u>June 2014</u>
BPA: Chapter 7, Water Quality Attainment Strategies	increases in from unstal	n sediment delivery ble areas.	<u>could prima</u> <u>meet the p</u>	arily focus on road cro erformance standard	ossings to	None Specified
Resolution No.			Adopt and of unimpro a survey of payed pub	Implement BMPs for ved (dirt/gravel) roads f stream-crossings as lic roadways, and dev	maintenance s, and conduct sociate with relop a	
R2-2009-0064			prioritized i and/or repl crossings/c	implementation plan f acement of high prior culverts to reduce roa	or repair ity d-related	
			erosion and conditions.	d protect stream-ripa	<u>'ian habitat</u>	Year 1 Annual Report Year 2 Annual Report
						Year 3 Annual Report

		REVIS	ED – Augu	<u>st 18, 2011</u>			
TMDL			Compliance Date Due Date				
	Napa River Wa						
	Napa River Se						
	Curre	Deductions	Waste Load				
	Metric Tons/year	Percentage of Natural Background	Needed (Percentage)	Metric tons/year	Percentage of Natural Background		
	600	0.4	0	600	0.4		
	Other Determine opportoad related seperiod in the Na Department rearepair and/or results of repair and/or results of delivery to che yards per militation of Accelerate na prevent humatis sediment delitation areas.	ortunities for retrofit- diment delivery to sl apa River system) dways and develop placement of high p d schedule for condu s on stream crossings - placement of high p nance Standards d related sediment annels ≤ 500 cubic e per 20-year period r shallow landslides atural recovery and an-caused increases very from unstable	and/or reconstr ream channels Conduct a surv a prioritized im riority crossing ucting stream c gs survey. survey. Submit riority crossing 2 2 2 2 2 2 3 in Submit to the F provide descrip 2 3 segme sedime sedime perform this tab implem sedime primari meet th Adopt a mainte (dirt/gra survey with pa develop plan fo high pr	timplementation solution of road- resplementation p solution for the solution resplementation p solution for the solution timplementatices timplementatices collectores. Action a Report of W Regional Water solution of the road nance standarco let and a sche tent control mean nance standarco let and a sche tentation of ide and a sche tentation of ide and a sche tentation of ide tent control action by focus on road te performance and implementation and implementation and stream-croas ved public road o a prioritized i r repair and/or iority crossings road-related e	crossings to minimi vards/mile por 20 ye rossings associated blan and schedule f ys. on plan and schedule state Discharge ² Board that m, the following: d network and/or on of erosion and sures to achieve d(s) specified in dule for ntified and ons that could d crossings to a standard. BMPs for proved d conduct a sings associated dways, and mplementation replacement of s/culverts to rosion and	ize Sar Lwith or	October 2014
			protect condition	stream-riparia ons.	n habitat		
Urban Creek Diazinon & Pesticide Toxicity	WLA Diazinon: 100 r	ng/l -(acute and chro	nic diazinon-re	lated toxicity).			May 16, 2008
Effective Date:	Toxicity: 1.0 TU	Ja (acute toxicity un	its) and 1.0 TU	c (chronic toxic	city units) <u>.</u>		May 16, 2008
<u>2011-XXXX</u> -DV	VQ		8		August 18, 20	11	

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
May 16, 2008 <u>2007</u> BPA: BPA – Chapter 3, Toxicity Resolution No.	Other Implement a Pesticide-Related Toxicity Control Program <u>.</u> Submit Pesticide-Related Toxicity Control Program plan.	None Specified Year 2 Annual Report
R2-2005-0063		

<u>REVISED – August 18, 2011</u> R3 - Central Coast Regional Water Board

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
San Lorenzo River -(includes Carbonera	WLA None Specified- <u>.</u>	None Specified
Lompico, and Shingle Mill Creeks)	Other Create a public road database to inventory and prioritize sediment problems- <u>.</u>	None Specified
Effective Date:	the San Lorenzo River Watershed.	None Specified
February 19, 2004 BPA: Attachment TMDL & Implementation Plan for Sediment	Submit progress report.	Every third year during implementation phase (i.e., beginning 2007)
Resolution No. R3-2002-0063		
Morro Bay (includes Chorro Creek, Los Osos Creek, and the	WLA None Specified- <u>.</u>	None Specified
Morro Bay Estuary) Sediment	<i>Other</i> Increase the use of sediment management measures for road maintenance and construction.	On-going
Effective Date: January 20, 2004	Track implementation of best management practices for sediment control on roads.	On-going
BPA: BPA – Attachment A, R3-2003-0061 on May 16, 2003 Resolution No.	Water Board receives tracking report <u>Implementation Tracking Report</u> from implementing parties.	End of 2007 and Every third year thereafter during implementation phase (i.e., beginning 2007)
Santa Maria		
River Watershed Pesticides	None Specified.	None Specified
Effective Date: Pending	Develop -Pesticide Wasteload Allocation Attainment and Monitoring Program.	Six months following TMDL approval
(anticipated approval 2011)	Implement Pesticide Wasteload Allocation Attainment and Monitoring Program.	One-year following TMDL approval
BPA: Pending		
Resolution No. Pending		

<u>REVISED – August 18, 2011</u> *R4 – Los Angeles Regional Water Board*

TMDL	WLAs/Deliverables/Action Required									Compliance Date Due Date
Ballona Creek	WLA									
Trash	Dellene	Pollong Crock Troop W/ A (# ³)								
Effortivo Dato:	Ballona	Ballona Creek Trash WLA (#*)								
August 1, 2002	6	654								
&	4									
February 8,		<u>27</u> 64								
2005		94)								
BPA:	C	L								
Attachment A,		TMDL [imp	olementatio	n Schedu	<u>ule (Defaul</u>	<u>t WLAs <mark>is (</mark></u>	set at zero	expressed	as cubic	
Chapter	feet of ur	<u>icompress</u>	ed trash an	<u>d % redu</u>	<u>ction)</u>	1	0			a
7-5.			<u></u>	<u>As</u>	1]	Compliar	<u>ice Points</u>		September 20
Resolution No. 2004-0023	<u>Year</u>	<u>8aseline</u>	Cubic Ft	<u>Gals</u>	<u>Lbs.</u>	<u>%</u> Baseline	Cubic Ft	<u>Gals</u>	<u>Lbs</u>	September 30, 2008 September 30, 2009 September 30,
	<u>Initial</u> WLA	<u>100%</u>	<u>1.634</u>	<u>12.222</u>	<u>13.368</u>	<u>100%</u>	<u>1.634</u>	<u>12,222</u>	<u>13.688</u>	2010 September 30,
	<u>7</u>	<u>50%</u>	<u>818</u>	<u>6,119</u>	<u>6,844</u>	<u>60%</u>	<u>981</u>	<u>7,338</u>	<u>8,213</u>	2011 September 30
	<u>8</u>	<u>40%</u>	<u>654</u>	<u>4,892</u>	<u>5.4752</u>	<u>50%</u>	<u>818</u>	<u>6,119</u>	<u>6,844,</u>	2012
	<u>9</u>	<u>30%</u>	<u>491</u>	<u>3.673</u>	<u>4106.4</u>	<u>40%</u>	<u>654</u>	<u>4.892</u>	<u>5,475</u>	September 30,
	<u>10</u>	<u>20%</u>	<u>327</u>	<u>2,446</u>	<u>2,737.6</u>	<u>30%</u>	<u>491</u>	<u>3.673</u>	<u>4.106</u>	2013
	<u>11</u>	<u>10%</u>	<u>164</u>	<u>1,227</u>	<u>1.368.8</u>	<u>20%</u>	<u>327</u>	<u>24,46</u>	<u>2.736.</u>	September 30,
	<u>12</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10%</u>	<u>164</u>	<u>1.227</u>	<u>1,568</u>	September 30.
	<u>13</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3.3%</u>	<u>54</u>	<u>404</u>	<u>452</u>	2015
	<u>14</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0%</u>	<u>0</u>	<u>0</u>	<u>0</u>	
	Other Develop Clean ou	a Trash Mo t and meas	nitoring and urement of t	Reportinç rash retai	g Plan (TMF ned after ra	RP) in event.				August 27, 2008 72 hours after
	Clean ou	t and meas	urement of t	rach rotai	ned during	dry weatha	r			event.
	Clean ou	t and meas		rash retai		ary weathe	' <u>-</u>			Every 3 months
Revolon Slough —Beardsley W Trash	and ash			WLA Final Bear	WLA is set dsley Was	at zero<u>Rev</u> h Trash W	<u>volon Slou LAs</u>	igh and		
					<u>% WI</u>	A		gal/mi2/yı		March 6, 2008
Effective Date: February 27, 2008				Initial V	<u>/LA</u>	6,674			February 27, 2012	
BPA: Attachment A-				80%	2	<u>5,340</u>			February 27, 2013	
Chapter 7-24				<u>60%</u>	2		4,005		February 27, 2014	
Desclution No. D4 0007 007				<u>40%</u>	2		<u>2,670</u>		February 27, 2015	
Resolution No. R4-2007-007				<u>20%</u>	2		<u>1,335</u>		February 27, 2016	
					<u>0%</u>			<u>0</u>		
				<i>Othe</i> Trash	r n Monitoring	and Repo	rting Plan	(TMRP) <u>.</u>		August 27, 2008
2011-XXXX-	DWQ				11		Augu	st 18, 20	011	

	Reporting Plan <u>.</u>	Six months from receipt of letter of approval from Regional Board.	
	Submit results of TMRP, rec WLA, and propose prioritiza installation or implementatio measures.	Two-years from receipt of Regional Board letter of approval for TMRP	
	Submit Notice of Intent to co Waiver of Discharge Require MFAC/BMP Program an d T Reporting Plan	omply with Conditional ements including Trash Monitoring and	Six months from receipt of Notice of Acceptance from RB Executive Officer
	Implement Minimum Freque Colloction (MFAC)/BMP Pro	ncy of Assessment and gram	Six months from receipt of Notice of Acceptance from Regional Board Executive Officer.
	Annual TMRP Reports inclu MFAC/BMP for Exocutive Officer approval.	February 27, 2010 July 28, 2009 January 28, 2011 and annually thereafter	
Ventura River Estuary	WLA		
Trash	Final WLA is set at zero		
Effective Date: February 27, 2008	<u>%WLA</u>	<u>gal/mi2/yr</u>	March 6, 2008
···· · ··· , , ···	Initial WLA	<u>6,674</u>	Eebruary 27, 2012
BPA: Attachment A,	80%	<u>5,340</u>	February 27, 2012
	<u> </u>	4,005	February 27, 2014
Resolution No. R4-2007-008	<u>40%</u>	1.225	February 27, 2015
	0%	0	February 27, 2016
		<u> </u>	
	<i>Other</i> Trash Monitoring and Repor	ting Plan (TMRP) <u>.</u>	August 27, 2008
	Implement Trash Monitoring	Six months from receipt of Notice of Acceptance from BB Executive	
	Submit results of TMRP, rec WLA, and propose prioritiza installation or implementatio measures.	commend trash baseline tion of Full Capture System n of other trash reduction	Officer. Two years from receipt of Regional Board letter of approval for TMRP
	Notice of Intent to Comply w including Minimum Frequent Collection (MFAC)/BMP Pro	ith Conditional WDR, cy of Assessment and gram TMRP	August 27 <u>July 28,</u> 2008
	Implement MFAC/BMP Proc	yram	January 28, 2011 and annually thereafter Six months from receipt of Notice

	Annual TMRP Reports inclu MFAC/BMP for Executive O	Annual TMRP Reports including proposal for revising MFAC/BMP for Exocutive Officer approval.				
Machado Lake Trash	WLA Final WLA is set at zero	WLA Final WLA is set at zero				
	%WLA					
Effective Date: February 27, 2008	Initial WLA	6,674	March 6, 2008			
BPA: Attachment A-	80%	5,340	February 27, 2012			
Chapter 7-26	<u>60%</u>	<u>4,005</u>	February 27, 2013			
	40%	<u>2,670</u>	February 27, 2014			
Resolution No. R4-2007-06	<u>20%</u>	<u>1,335</u>	February 27, 2015			
	<u>0%</u>	<u>0</u>	February 27, 2016			
	<i>Other</i> Trash Monitoring and Repor	ting Plan (TMRP) <u>.</u>	August 27, 2008			
	Implement Trash Monitoring	Reporting Plan.	August 27, 2008			
	Submit results of TMRP, rec WLA, and propose prioritiza installation or implementatio measures.	Submit results of TMRP, recommend trash baseline WLA, and propose prioritization of Full Capture System installation or implementation of other trash reduction measures.				
Legg Lake Trash	WLA Final WLA is set at zero.					
Effective Date: Echryczy 07, 0000	<u>%WLA</u>	gal/mi2/yr	March 6, 2008			
Ellective Date: February 27, 2008	Initial WLA	<u>6,674</u>	February 27, 2012			
BPA: Attachment A ₇	80%	<u>5,340</u>	February 27, 2013			
Chapter 7-27	<u>60%</u>	<u>4,005</u>	February 27, 2014			
Pagelution No. B4 2007 10	<u>40%</u>	<u>2,670</u>	February 27, 2015			
Resolution No. R4-2007-10	<u>20%</u>	<u>1,335</u>	February 27, 2016			
	<u>0%</u>	<u>0</u>				
	<i>Other</i> Trash Monitoring and Repor Implement Trash Monitoring	<i>Other</i> Trash Monitoring and Reporting Plan (TMRP) <u>.</u> Implement Trash Monitoring Reporting Plan <u>.</u>				
	Results of TMRP, recommer propose prioritization of Full or implementation of other tr	nd trash baseline WLA, and Capture System installation rash reduction measures.	Two years from receipt of Regional Board letter of approval for TMRP July 28, 2009			
			January 28, 2011 and annually thereafter			

Malibu Creek Watershed	WLA						
Trash	Final WL	A is set at zer	ro.	1		February	26
Effective Date: June 26, 2009		<u>% WLA</u>			<u>gal/yr</u>	<u>July 7, 20</u>	<u>09</u>
		Initial WLA	<u>A</u>		<u>2,136</u>	<u>July 7, 20</u>	<u>13</u>
BPA: Attachment A,		<u>80 %</u>		1	<u>1,709</u>	<u>July 7, 20</u>	<u>14</u>
		<u>60 %</u>		1	<u>1,282</u> 954	<u>July 7, 20</u>	<u>15</u>
Resolution No. R4-2008-007		<u>40 %</u> 20 %		1	<u>004</u> 407	<u>July 7, 20</u>	<u>16</u>
		0 %			0	<u>July 7</u> , 20	17
	<i>Other</i> Trash Mo Implemen Submit re WLA, and installatio measures	esults of TMR propose prio on or impleme s.	Reporting Pl itoring Report P, recomme oritization of entation of ot	an (TMRP) <u>.</u> rting Plan <u>.</u> end trash ba Full Captur her trash re	seline e System duction	December 2009 April 30, 2 Six -month receipt of approval f Regional Executive One year receipt of Regional letter of ap for -TMRF	110 15 from letter of rom Board Officer from Board proval 2 and
Los Angeles River Trash	WLA Baseline	WLA for the	Department	i s 66,566 lb	s.	annually t None Spe	hereafter cified
Effective Date: July 24, 2008 BPA: Attachment A, Chapter 7-2 Resolution No. R4-2007-012	Wastele 39 	ad_Allocation),939.6 3,283 2,626.4),969.8 3,313.2 3,656.6	<u>n (</u> lbs)				
	F	0 0 Final WLA is s	set at zero			Septembe 2008	r 30,
	TMDL red years, fro	quires phased om the existin	d reductions g baseline lo	over a perio ads to zero	<u>od of 9</u> (0).	2009 Septembe	r 30, r 30.
			<u>WLAs</u>		<u>Cor</u>	n <mark>p20al0ce Po</mark>	<u>pint</u>
	Year	<u>%</u> Baseline	<u>gals.</u>	<u>lbs</u>	<u>%</u> <u>Baseline</u>	Septembe	r 30, <mark>lbs</mark>
		100.9/	50 401		1009/	2011	
	<u><u><u>vvLA</u></u> <u>1</u></u>	<u>60 %</u>	<u>35,563</u>	<u>39,940</u>	<u> </u>	<u>59,421</u> S <u>eptemb</u> e 2012	r 30 <u>39,940</u>
	2	<u>50 %</u>	<u>29,711</u>	<u>33,283</u>	<u>55 %</u>	<u>32,682</u> Septembe	<u>36,611</u> r 30,
	<u>3</u>	<u>40 %</u>	<u>23,768</u>	<u>26,626</u>	<u>50 %</u>	2013 29,711	<u>33,283</u>
	4	<u>30 %</u>	<u>17,826</u>	<u>19,970</u>	<u>40 %</u>	Septembe 2 014⁷⁶⁸	r 30, <u>26,626</u>

	<u>5</u>	<u>20 %</u>	<u>11,884</u>	<u>13,313</u>	<u>30 %</u>	Septembe 2015	r 30 <u>,9,970</u>
	<u>6</u>	<u>10 %</u>	<u>5,942</u>	<u>6,657</u>	<u>20 %</u>	<u>11,884</u> Septembe	r <u>13,313</u> r 30,
	Z	0 %	<u>0</u>	<u>0</u>	<u>10 %</u>	2016 <u>5,942</u>	<u>6,657</u>
	<u>8</u>	<u>0 %</u>	<u>0</u>	<u>0</u>	<u>3.3%</u>	<u>January</u> 24	4, 20 08
	<u>9</u>	0 %	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Bollone Creek Bollone February and	Other Implement intends to	tation re comply	port, outlining how with the TMDL.	v the Depa	<u>artment</u>		
Sepulveda Channel	WLAs are	held joi	ntly with multiple o	lischarger	s.WLAs for		
Bacteria Effective Date: March 26, 2007 BPA: Attachment A, Chapter 7-21	Time P	eriod	Ballona Estuary, Ballona Creek Reach 2, and Sepulveda	Ballon Reach	a Cnannei a Creek 1**	March 26, <mark>2007</mark> 2017	
Resolution No. R4-2006-011	Summer Weather (April 1 t October Winter-L Weather (Novem March 3	<u>Dry-</u> <u>0</u> <u>31)</u> <u>Dry</u> <u>1)</u>	Zero (0) exceedance days based on the applicable Single Sample Bacteria Water Quality Objective. Zero (0) Exceedance days on the Rolling 30- Day Geometric Mean Bacteria Water Quality Objectives. Three (3) Exceedance days based on the applicable Single Sample Bacteria Water Quality Objectives.	No mor 10% of Single S Bacteria Quality Objectin Zero (0) Exceed days ba the Roll Day Ge Mean E Water C Objectin 200 Single S Water C Objectin Zero (0) Exceed days ba Water C Objectin	e than the Sample a Water ves.) ance ised on ling 30- cometric bacteria Quality ves. e than the Sample Quality ves.) ance sed on the Sample Quality ves.		
	Wet-We (days wi 0.1 inch + 3 day following rain eve	ather th ≥ of rain s 1 the nt).	17*** Exceedance days based on the applicable Single Sample Bacteria Water Quality Objectives. Zero (0) Exceedance days based on the Rolling 30-Day Geometric Mean Bacteria Water Quality Objectives.	Day Ge Mean E Water C Objectin No mor 10% of Single S Water C Objectin Zero (0 exceed based C Rolling Geome Bacterin Quality Objectin	e than the Sacteria Quality ves. e than the Sample Quality ves.) ance days on the 30-Day tric Mean a Water ves.	March 26, 20082017 Septembe 2009	x 26,

	<u>ek</u>		WLAs	
<u>Tributary</u>	Point of Application	<u>WQOs</u>	(no. of Exceedance days)	
<u>Ballona</u> <u>Creek</u> <u>Reach 1</u>	At confluence with Reach 2	LREC-1 Freshwater	For single sample objectives (0) summer dry weather (3) Winter dry weather (17*) winter wet weather	
			For geometric mean objectives: (0) for all periods	
Benedict Canyon Channel	At confluence with Reach 2	LREC-1	For single sample objectives (0) summer dry weather (3) Winter dry weather (17*) winter wet weather	
			For geometric mean objectives: (0) for all periods	
<u>Ballona</u> <u>Creek</u> <u>Reach 2</u>	At the confluence with Ballona Estuary	REC-1 Marine water	For single sample objectives (0) summer dry weather (3) Winter dry weather (17) winter wet weather	Three months after receipt of Regional Board comments on Draft Implementation Plan.
			For geometric mean objectives: (0) for all periods	
<u>Centinella</u> <u>Creek</u>	At the confluence of Ballona Estuary	REC-1 Marine water	For single sample objectives (0) summer dry weather (3) Winter dry weather (12) winter	

	Del Rey Lagoon Conflu with Ba Estu	the ence allona ary	wet weather For geometric mean objectives: (0) for all periods For single sample objectives (0) summer dry weather (3) winter dry weather (17) winter wet weather For geometric mean objectives: (0) for all periods		
	* At the confluence with R days under the system app Other Comprehensive Back Draft Implementation compliance with WL/ Final Implementation compliance with WL/	each 2, the greater the allow proach or high flow suspension Plan outlining approa As. Plan outlining approa As.	<u>able Exceedance</u> on shall apply. nitoring Plan ch for ch for		
Marina del Rey, Harbor Back Basins, Mother's Beach Bacteria	WLA WLA is held jointly w Other	ith multiple discharger	6.	None Specified	
Effective Date: —March 18, 2004 BPA: Attachment A, —— Chapter 7-5	Draft Implementation compliance with WL/ Final Implementation compliance with WL/	- Plan outlining approa \s. - Plan outlining approa \s.	ch for ch for	March 30, 2005 July 30 , 2005	
Resolution No. 2003-012	Nonpoint Study for so boats, birds, and oth	ources including storm or nonpoint sources.	I drains,	Summer Dry	
	Compliance Deadline	Effective Date of this Order ¹ Summer Dry Weather ³ April 1 – Oct	Effective Day This Order0 Winter D Weather Nov 1 - Ma	Weather: 3/13 14 ² 7 March 18, 2007 We 7 Winter Dry We Weather: Weather: Weather: Weather: Weather: Weather: Weather: Weather:	<u>2</u> 3, 4
	ମ ୁ ୁ ୁ ତ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ	<u>Daily</u> sampling (No. days) <u>Weekly</u> sampling (No. days)	Daily Weg sampling sam (No. (No days) day	Wet Weather: We kly bill March 15 and 014 san plinc cill March 16 and 014 san plinc	<u>9</u> .

(<u>89)</u>	<u>Mothers'</u> <u>Beach, at</u> <u>Lifeguard</u> <u>Tower</u>	<u>0</u>	<u>0</u>	3	1	17	3	
DHS (109a)	<u>Mothers'</u> <u>Beach. at</u> <u>Playground</u> <u>Area</u>	<u>0</u>	<u>0</u>	<u>3</u>	1	17	<u>3</u>	
DHS (109b)	Mothers' Beach, between Lifeguard Tower and Boat Dock	<u>0</u>	<u>0</u>	3	1	17	3	
DHS (109c)	Los Angeles County Fire Dock - end of main channel	<u>0</u>	<u>0</u>	3	1	17	3	
DHB (MDR-8)	Mothers' Beach, near first slips outside swim area	<u>0</u>	<u>0</u>	3	1	17	3	
DHB (MDR-18)	Mothers' Beach. 20 meters off of the wheel chair ramp	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	15	<u>3</u>	
DHB (MDR-19)	Mothers' Beach, end of wheel chair ramp	<u>0</u>	<u>0</u>	3	1	17	3	
DHB (MDR-9)	Basin F, innermost end	<u>0</u>	<u>0</u>	3	1	8	<u>1</u>	
DHB (MDR-11)	End of Main Channel	<u>0</u>	<u>0</u>	3	1	17	<u>3</u>	
DHB (MDR-10)	Basin E, near center of basin	<u>0</u>	<u>0</u>	3	1	17	3	
DHB (MDR-20)	Basin E, in front of Tidegate from Oxford Basin	<u>0</u>	<u>0</u>	3	1	17	3	

Santa Monica Bay Beaches during	Notes: The number of a of exceedance during winter d LAX meteorolo based on the 90 2 If an Integrated possible but not Weather TMDL 3 A dry day is de three days follo 4 A revision of th TMDLs in order based on additi but not limited	Ilowable based c iry-weat gical sta 0 th percc. Water F t to exce fined as pwing th e TMDL r to re-e ional me to storm	e exceedances is based on t in historical monitoring data her is calculated based on t ation. The allowable number entile storm year in terms of tesources Approach is imple eed 18 years from the effecti a non-wet day. A wet day is e rain event. is scheduled for four years valuate the allowable exceed phitoring data and the result n drains, boats, birds, and o	he lesser of (1) . The allowable he 10 th percent of exceedance wet days at the emented, the ci- ve date of the si- s defined as a u- after the effect dance days dur s of the study u- ther nonpoint s	the referer number of le storm ve days durin LAX mete mpliance j Santa Monie day with a C ive date of ing winter of relative le ources.	nce system or (2) ex f exceedance nun b ear in terms of dr d ng wet-weather is ca period must be the ca Bay Beaches i ac 0.1-inch or more of f the Santa Monice B dry-weather and the pading from source	cisting lays a alcula shorte cteria rain a Beach st-wea es incl
Dry & Wet Weather Bacteria Effective Date: June 19, 2003 BPA: Attachment A, Chapter 7-4	WLA is held joint WLA is held joint Other Coordinated The Department identified below f exception of thos	tly with is resp for all s se subj	multiple dischargers. <u>consible for achieving the</u> <u>shoreline monitoring site</u> <u>ect to Antidegradation I</u>	<u>ne WLAs</u> es with the Provisions.	None S Effectiv this Ord Octobe	Specified ve Date of der	
Resolution No. 2002-004 and R02-022	<u>Dry Weather</u>				Summ	er Dry	
	Sum	imer D Apr 1 -	ry Weather Oct 31		W <mark>Weatb</mark> -W89 1 200320	¶y Weather ^{9,} Mar 31 106	
	Daily sampli	ing	Weekly Sampling (No. days)	Daily sar (No. d	npling v Sptobe	Weekly sain (No. days	pling s)
	<u></u>	<u> </u>	<u>0</u>	3		<u>1</u>	
	responsible for a shoreline monito provision. Winter Dry Weat Number of Excee Plan-Sties subject	chievin ring sit her W edance ct to A	ng the WLAs identified I les subject to Antidegra LAs expressed as the A Days for Shoreline Mo ntidegradation Provision	<u>below for</u> dation <u>Illowable</u> nitoring <u>15.</u>	Winter Weath June 19 200320	Dry <u>er:</u> 9, 009	
	Report of Water		Location Name		Winter D	ry Weather Mar 31	
	Discharges for the listed potential discharges and potential discharges into Area of Special Biological Significance. Station ID			<u>Daily Saı</u> (No. D	npling ays)	<u>Weekly Sa</u> n (No. Da y	plino s)
	<u>SMB 1-4</u>	Trar	icas Beach	<u>0</u>		<u>0</u>	
	<u>SMB 1-5</u>	<u>We</u>	stward Beach	<u>0</u>		<u>0</u>	
	<u>SIVIB 2-13</u>	<u>Impe</u> Drai	enal Highway Storm n	2		<u>1</u>	
	<u>SMB 3-8</u>	<u>Wine</u> Drai	<u>dward Ave Storm</u> n	2		1	
	<u>SMB 4-1</u>	Nich	olas Beach	<u>_0</u>		<u>_0</u>	

<u>SMB 5-2</u>	40 th Street, Manhattan State Beach	1	1	
<u>SMB 5-2</u>	28 th Street Storm Drain	0	0	
<u>SMB 5-3</u>	Manhattan Beach Pier	1	1	
<u>SMB 5-5</u>	Hermosa Beach Pier	2	1	
<u>SMB 6-6</u>	Malaga Cove	<u> </u>	<u> </u>	
The Department 30-day geometric exceeded at any Wet Weather The Department weather WLAs ic monitoring sites, Antidegadation F Final Wet Weath Exceedance Day Daily Sam (No. Da 17 The Department weather WLAs ic sites subject to A Final Wet Weath	is responsible for achieving the entified below for all shoreline with the exception of those supervisions. Ther WLAS (Allowable Number (No. Day 3) Is responsible for achieving the entified below for shoreline multidegradation provisions. Ther WLAS (Allowable Number Structure) The transmission of the entified below for shoreline multidegradation provisions. Ther WLAS (Allowable Number Structure) The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of the entified below for shoreline multidegradation provisions. The transmission of transmission of the entified below for shoreline multidegradation provisions. The transmission of transmission of the entified below for shoreline multidegradation provision of the entified below for shore	r of r of re wet <u>pe wet</u> <u>pe wet</u> <u>pe wet</u> <u>pe wet</u> <u>ponitoring</u> r of	July 15, if an ated water rces ach is used,; wise up to 5, 2013 – Veather	
Exceedance Day	vs for Shoreline Monitoring Sit	es subject		
Station ID	Location Name	<u>Daily</u> <u>Sampling</u> (No. Days)	<u>Week</u> <u>Sampl</u> (No. Dr	ly ng ys)
DHS 010a	Broad Beach	15	3	
<u>SMB 3-8</u>	Windward Ave Storm Drain	13	2	
SMB 4-1	Nicholas Beach	14	2	
<u>SMB 5-1</u>	40 th Street, Manhattan State Beach	4	1	
<u>SMB 5-3</u>	Manhattan Beach Pier	5	1	
<u>SMB 5-4</u>	<u>26th Street, Hermosa</u> <u>Beach</u>	<u>:12</u>	2	
<u>SMB 5-5</u>	Hermosa Beach Pier	8	2	
<u>SMB 6-2</u>	Redondo Municipal Pier	14	2	
<u>SMB 6-5</u>	Avenue I Storm Drain, Redondo State Beach	6	1	
<u>SM</u> B 6-6	Malaga Cove	3	1	
The Department is	responsible for achieving the rolli	ing 30-day		
deometric mean ta				
time	rgets, which shall not be exceede	d at any		

Santa Monice Bay Backhes during Werk Washer W/A Malbu Creak Markor Lagoon More Specified Betrief a Summer Dry Washer BPA: Stachman LAgoon More Specified BPA: Stachman LAgoon Summer Dry Washer Charler 7:10 Sector Resolution No. 2002-022, Chapter 7:44,7-45,7-7 Sector A-SQUA-0198 Zulf. Zulf. Feebuary-19,-2005 Beak mark to the sector Sector Sould - 007, 2002-002, 2002-005, 200								
Effective Date: January 10, 2006 -June 19, 2003 Other Conditionated Monitoring-Plan Mostifiers PP: Machinemit Aie., Conditionated Monitoring-Plan Add_2004.0127.10 Preside Monitoring Plan Preschulion No. 2002.022, Chapter 7-4.4, 7-4.5, 7-4 Additionation of Exceedance with WLAs. Bry Weather VLAs express as the Allowable Number of Exceedance with WLAs. Bry Weather VLAs express as the Allowable Number of Exceedance 20xs Recelution No. 2002.022, 2006-005	Santa Monica Bay Beaches during Wet Weather -Malibu Creek and Lagoon Bacteria	WLA Wasteload Allocatio WLA is held jointly w	<u>on</u> ith multiple d	lischargers.		None	Specified	
DAY: Attachment Ata- _Chapter 7:10 Neuember 12; 2002-002, Chapter 7:4, 7:4, 7:4, 7:4, 7:4, 7:4, 7:4, 7:4,	Effective Date: January 10, 2006	Other				Sumr Weat	<u>ner Dry</u> <u>her:</u>	
	BPA: Attachment A-to-	Coordinated Monitori	ing Plan			Nover 2003	nber 12,	
4-9-20091 2-6-7. June -19, 2005 Beschlich No. 2002-002, 2006-005, 2006-006, 2006-004 Final Implementation Plan outlining approach for compliance with MULAs Dry Weather Will As express as the Allowable Number of Exceedance Days June -19, 2005 Beschlich No. 2002-002, 2006-005, 2006-006, 2006-004 Summer Dry Weather Will As expressed as the Allowable Number of Exceedance Days Wither the Will As expressed as the Allowable Number of Exceedance Days Daily Sampling Wet Weather Will As expressed as the Allowable Number of Exceedance Days January 10, 2016 Wet Weather Will As expressed as the Allowable Number of Exceedance Days January 10, 2016 Wet Weather Will As expressed as the Allowable Number of Exceedance Days January 10, 2016 Wet Weather Will As expressed as the Allowable Number of Exceedance Days January 10, 2016 Wet Weather Will As expressed as the Allowable Number of Exceedance Days January 10, 2016 None Specified None Specified None Specified None Specified Will Beach And Legoon Mark expecified Allocation Kiddle Beach Sactoria Summer Dry-Weather BPA: Attachment A. Summer Dry-Weather Coation Daily Sampling Hobie Beach 40 Kiddle Beach 54 Sumption 18, 2007 Wither Dry-Weather Location Daily Sampling	<u>Chapter 7-10</u> Resolution No. 2002-022-Chapter 7-4-4-7-4-5-7-	Draft Implementation compliance with WL/	i Plan outlinir \s.	ng approacl	1 for	Febru	ary 19, 2005	
Hesolution No. 2002-002, 2006-005, 2006-005, 2006-007, 2006-007, 2006-006 Impact No. 2004-006, 2006-006, 2006-006, 2006-006, 2006-007, 2006-006, 2006-006, 2006-007, 2006-006, 2006-	4.6,2004-019R -7-4.7.	Final Implementation	<u>Plan outlinir</u> As. <u>Dry Weat</u>	ng approacl her WLAs o	1 for express as	June	19, 2005	
2000-007, 2006-008 Summer Drv Weather Mort 1 - Oct 31 Mort 1 - Mort 31 Daily Sampling (No. Davs) January 10, 2016 Wet Weather Wet Weather Daily Sampling (No. Davs) Wet Weather January 10, 2016 Malbu-CreekHarbor Beaches of Ventura County (No. Davs) None-Specified None-Specified Malbu-CreekHarbor Beaches of Ventura County (No. Davs) Weetker Daily Sampling (No. Davs) None-Specified Malbu-CreekHarbor Beaches of Ventura County (Noidel Beach and Legeon Hobie Beach) Bacteria None-Specified None-Specified BPA: Attachment A. Summer Dry-Weather January 10, 2007 None-Specified BPA: Attachment A. Summer Dry-Weather January 10, 2007 January 10, 2007 Winter Dry-Weather Location Sampling January 10, 2007 Winter Dry-Weather January 10, 2007 January 10, 2007 January 10, 2007 Winter Dry-Weather January 10, 2007 January 10, 2007 January 10, 2007 Winter Dry-Weather January 10, 2007 <td< td=""><td>Resolution No. 2002-002, 2006-005, 2006- 006,</td><td>the Allowable Numbe</td><td>er of Exceeda</td><td><u>ance Days</u></td><td></td><td></td><td></td><td></td></td<>	Resolution No. 2002-002, 2006-005, 2006- 006,	the Allowable Numbe	er of Exceeda	<u>ance Days</u>				
Daily Sampling (No. Davs) January 10, 2016 Wet Weather Wet Weather Daily Sampling (No. Davs) Wet Weather January 10, 2016 Daily Sampling (No. Davs) Wet Weather January 10, 2016 January 10, 2016 Malibu CreekHarbor Beaches of Ventura County (Ncidide Beach and Lagoon Hobie Beach] Bacteria Weatelocat Allocation WLA None-Specified Malibu CreekHarbor Beaches of Ventura County (Ncidide Beach JBacteria Wastelocat Allocation WLA None-Specified BPA: Attachment A. Chapter 7.4028 Summer Dry-Weather January 10, 2007 Icocation No. 2004-0198 R2007-017 Sampling Sampling Sampling January 10, 2007 Winter Dry-Weather Daily Sampling January 10, 2007 January 10, 2007 Icocation No. 2004-0198 R2007-017 Weather Daily Sampling January 10, 2007 Winter Dry-Weather Loccation Daily Sampling	2006-007, 2006-008	Summer Apr 1	Dry Weather - Oct 31	Ľ		Winter i Nov 1	<u>– Mar 31</u>	
Q Q 3 Image: Construction of the second secon		Daily Sampling (No. Days)	Weekly S (No. D	ampling Days)	Daily Sam (No. Da	winte pli <mark>Meat</mark> vs) _{lanua}	ner:Weekly Sau her:Weekly Sau ry 10 2 /No. D a	nplin <u>/s)</u>
Mailbu CreekHarbor Beaches of Ventura County (Kiddle Beach and Lagoon Hobie Beach Wet Weather Delity Sampling (No. Days) Weekly Sampling (No. Days) Mailbu CreekHarbor Beaches of Ventura County (Kiddle Beach and Lagoon Hobie Beach) Bacteria Westeload Allocation Nene-specified Nene-Specified Mailbu CreekHarbor Beaches of Ventura County (Kiddle Beach and Lagoon Hobie Beach) Bacteria Meeteload Allocation Nene-specified Nene-Specified Mailbu CreekHarbor Beaches of Ventura County (Kiddle Beach and Lagoon Hobie Beach) Bacteria Meeteload Allocation Nene-specified Nene-Specified Mailbu CreekHarbor Beaches of Ventura County (Kiddle Beach and Lagoon Hobie Beach) Bacteria Meeteload Allocation Nene-specified Nene-Specified Mailbu CreekHarbor Beaches of Ventura County (Kiddle Beach 10, 2008 Interim WLAs for Single Sample and 30-day rolling geometric mean Exceedances: Nene-Specified BPA: Attachment A, Chapter 7-1028 Summer Dry-Weather Location Dally Sampling Sampling Sampling Sampling Sampling Weekly Sampling January 10, 2007 Resolution No. 2004-019R R2007-017 Meether Location Dally Sampling Weekly Sampling Kiddle Beach 23 4 Hobie Beach 23 4 Hobie Beach 38 5 4		<u>0</u>	<u>0</u>	2	<u>3</u>	Janua	<u>1</u>	
Daily Sampling (No. Days) Weekly Sampling (No. Days) 17 3 The Department is responsible for achieving the rolling 30-day geometric mean targets, which shall not be exceeded at any time. 3 Malibu-CreekHarbor Beaches of Ventura County (Kiddie Beach and Lagoon Hobie Beach) Bacteria Wasteload-Allocation None-specified WLA None-Specified WLA Effective Date: January 10, 2006 December 18, 2008 Interim WLAs for Single Sample and 30-day rolling geometric mean Exceedances: May 10, 2006 BPA: Attachment A, Chapter 7-4028 Summer Dry-Weather Location January 10, 2007 Resolution No. 2004-019R R2007-017 Kiddie Beach 3 Winter Dry-Weather Location Daily Sampling Weekly Sampling 400 § Winter Dry-Weather January 10, 2007 Vinter Dry-Weather January 10, 2007 Vinter Dry-Weather January 10, 2007 Worker Dry-Weather January 10, 2007 Vinter Dry-Weather January 10, 2007 Vinter Dry-Weather January 10, 2007 Weekly Sampling Weekly Sampling Weekly Conting Weekly Sampling Weekly Conting Weekly Sampling Kiddie Beach 23 4 Hobie Beach 32		Wet Weather WLAs Number of Exceedar	expressed a nce Days	is the Allow	<u>able</u>	Janua	<u>ury 10, 2016</u>	
Daily Sampling (No. Days) Weekly Sampling (No. Days) 17 3 The Department is responsible for achieving the rolling 30-day geometric mean targets, which shall not be exceeded at any time. None-Specified Malibu CreekHarbor Beaches of Ventura County (Kiddie Beach and Lagoon Hobie Beach) Bacteria None-Specified Marce opecified Docember 18, 2008 Interim WLAs for Single Sample and 30-day rolling geometric mean Exceedances: May-10, 2006 BPA: Attachment A; Chapter 7-4028 Summer Dry-Weather January 10, 2007 Kiddle Beach 54 8 Winter Dry-Weather January 10, 2007 Location Daily Weekly Sampling Winter Dry-Weather January 10, 2007 Location Daily Sampling Winter Dry-Weather January 10, 2007 Hobie Beach 40 6 Winter Dry-Weather January 10, 2007 Location Daily Sampling Weekly Sampling Wide Beach 23 4 Hobie Beach 23 4 Hobie Beach 23 4 Location Daily Sampling Weekly Sampling Kiddle Beach 32 5				wet weat	<u>ner</u>			
It It <td< td=""><td></td><td>Daily Si</td><td>ampling Dava</td><td></td><td>Wee</td><td>kly Sam</td><td><u>oling</u></td><td></td></td<>		Daily Si	ampling Dava		Wee	kly Sam	<u>oling</u>	
IL 3 The Department is responsible for achieving the rolling 30-day geometric mean targets, which shall not be exceeded at any time. Nene-Specified Malibu-CreekHarbor Beaches of Ventura County (Kiddie Beach) and Lagoon Hobie Beach] Bacteria Wasteload Allocation None opposition WLA Nene-Specified Effective Date:-January 10, 2006 December 18, 2008 Interim WLAs for Single Sample and 30-day rolling geometric mean Exceedances; May 10, 2006 BPA: Attachment A, Chapter 7-1028 Summer Dry-Weather January 10, 2007 Location Daily Sampling January 10, 2007 Kiddie Beach 54 8 Winter Dry-Weather January 400-comber 18, 2008 January 400-comber 18, 2007 Winter Dry-Weather January 400-comber 18, 2008 January 400-comber 18, 2008 Winter Dry-Weather December 18, 2008 January 400-comber 18, 2008 Winter Dry-Weather December 18, 2008 January 400-comber 18, 2008 Wet-Weather December 18, 2008 January 4 Mobie Beach 23 4 Mobie Beach 32 5		<u>(NO.</u>			0	O. Days	<u>.</u>	
Hobie Beach Bacteria WLA May 10, 2006 December 18, 2008 Interim WLAs for Single Sample and 30-day rolling geometric mean Exceedances: May 10, 2006 BPA: Attachment A, Chapter 7-1028 Summer Dry-Weather January 10, 2007 Coation Daily Weekly January Kiddie Beach 54 8 January Hobie Beach 40 6 January Hobie Beach 23 4 Hobie Beach 25 4 Jecember 18, 2008 Wet-Weather December 18, 2008 December 18, 2008 December 18, 2008	Malibu CreekHarbor Beaches of Ventura County (Kiddie Beach and Lagoon	The Department is re 30-day geometric me exceeded at any time Wasteload Allocatie None specified	esponsible fo ean targets, v e.	r achieving which shall	<u>the rolling</u> not be	None	Specified	
Effective Date: January 10, 2006 December 18, 2008 January 10, 2007 BPA: Attachment Ar Location Daily Weekly Chapter 7-1028 Location Daily Sampling Kiddle Beach 54 8 January 10, 2007 Hobie Beach 40 6 January 10, 2007 Winter Dry-Weather January 10, 2007 10 December 18, 2008 Winter Dry-Weather January 10, 2007 10 December 18, 2008 Winter Dry-Weather January 10, 2007 10 December 18, 2008 Winter Dry-Weather January 10, 2007 10 December 18, 2008 Location Daily Sampling Weekly Sampling Kiddie Beach 23 4 Hobie Beach 23 4 Hobie Beach 25 4 Wet-Weather December 18, 2008 10 Location Daily Sampling Weekly Sampling Kiddie Beach 32 5 1 Hobie Beach 32 5 1 Hobie Beach 38 6 1	Hobie Beach) Bacteria	<u>WLA</u>						
BPA: Attachment Ar, Summer Dry-Weather January 10, 2007 Location Daily Weekly Sampling Sampling Sampling Kiddie Beach 54 8 Hobie Beach 40 6 Winter Dry-Weather January Location Daily Sampling Weekly Sampling Kiddie Beach 23 4 Hobie Beach 25 4 Wet-Weather December 18, 2008 Wet-Weather December 18, 2008 Kiddie Beach 23 4 Hobie Beach 25 4 Wet-Weather December 18, 2008 E Location Daily Sampling Weekly Sampling Kiddie Beach 32 5 Hobie Beach 32 5 Hobie Beach 38 6	Effective Date: January 10, 2006 December 18, 2008	Interim WLAs for Si geometric mean Ex	ingle Sampl ceedances:	<u>e and 30-d</u>	<u>ay rolling</u>	May 1	0, 2006	
LocationDaily SamplingWeekly SamplingResolution No. 2004-019R R2007-017LocationDaily SamplingLanuary 10December 18, 2008Winter Dry-WeatherLocationDaily SamplingWeekly SamplingLocationDaily SamplingWeekly SamplingLocationKiddie Beach234Hobie Beach254Wet-WeatherDecember 18, 2008Wet-WeatherDecember 18, 2008LocationDaily SamplingWeekly SamplingKiddie Beach325Hobie Beach325Hobie Beach325Hobie Beach386	BPA: Attachment _A ,	Summer Dry-Weath	<u>ner</u>			Janua	try 10, 2007	
Kiddie Beach 54 8 January Hobie Beach 40 6 January Hobie Beach 40 6 January Winter Dry-Weather 10 2008 Location Daily Sampling Weekly Sampling Kiddie Beach 23 4 Hobie Beach 25 4 Wet-Weather December 18, 2008 Location Daily Sampling Weekly Sampling Kiddie Beach 25 4 Hobie Beach 32 5 Hobie Beach 38 6	Chapter 7- <u>1028</u>	Location	<u>Daily</u> Sampling	a <u>V</u>	<u>Veekly</u> ampling			
Resolution No. 2004-019R R2007-017 Hobie Beach 40 6 140December 18, 2008 Winter Dry-Weather Location Daily Sampling Weekly Sampling 1 Kiddie Beach 23 4 1 Hobie Beach 25 4 1 Wet-Weather December 18, 2008 1 Location Daily Sampling Weekly Sampling Wet-Weather 1 1 Location Daily Sampling 1 Hobie Beach 32 5 Hobie Beach 38 6 1		Kiddie Beach	<u>54</u>		<u>8</u>	Janua	try	
Winter Dry-WeatherLocationDaily SamplingWeekly SamplingKiddie Beach234Hobie Beach254Wet-WeatherDecember 18, 2008LocationDaily SamplingWeekly SamplingLocationDaily SamplingWeekly SamplingKiddie Beach325Hobie Beach386	Resolution No. 2004-019R R2007-017	Hobie Beach	<u>40</u>		<u>6</u>	10 <u>Dec</u> 2008	cember 18,	
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Kiddie Beach234Hobie Beach254Wet-WeatherDecember 18, 2008LocationDaily SamplingWeekly SamplingKiddie Beach325Hobie Beach386		Location		Daily Sa	ampling	Wee	ekly Sampling	
Hobie Beach254Wet-WeatherDecember 18, 2008LocationDaily SamplingWeekly SamplingKiddie Beach325Hobie Beach386		Kiddie Beach		2	<u>3</u>	<u> </u>	<u>4</u>	Ľ
Wet-WeatherDecember 18, 2008LocationDaily SamplingWeekly SamplingKiddie Beach3251Hobie Beach3861		Hobie Beach		2	5		<u>4</u>	
LocationDaily SamplingWeekly SamplingKiddie Beach325Hobie Beach386		<u>Wet-Weather</u>				Decer	nber 18, 2008	
Kiddie Beach325Hobie Beach386		Location		Daily Sa	ampling	We	ekly Sampling	
Hobie Beach 38 6		Kiddie Beach		<u>3</u>	2		<u>5</u>	
	<u></u>	Hobie Beach		3	8		<u>6</u>	

					Decemb	<u>er 18, 2008</u>
0-day Rolling Ge	ometric M	ean Ex	<u>ceedances</u>			
<u>Summer):</u>	Deil		Weekly			
Location	<u>Samp</u>	y ling	Sampling			
Kiddie Beach	55		8			
Hobie Beach	<u>80</u>		<u>12</u>		Decemb	<u>er 18, 2008</u>
0-day Rolling Ge Winter):	ometric M	ean Ex	<u>ceedances</u>			
Location	Dail Samp	<u>y</u> ling	Weekly Sampling		Decemb	er 18. 2008
Kiddie Beach	<u>92</u>		<u>14</u>			
Hobie Beach	<u>91</u>		<u>13</u>			
Location	<u>Daily</u> Sampli	Summe Weat (ng	r-dry her <u>Weekly</u> Sampling	Sa	<u>Win</u> Decem <u>b</u> Daily mpling	nter-dry @atflef⁰⁰⁸ Week Sampli
Kiddie Beach	<u>(No. Day</u>	<u>/s)</u>	(No. Days)	<u>(Nc</u>	. Days)	<u>(No. Days</u>
Hobie Beach			0		<u>2</u> 2	1
		Dai	ly Sampling		Weekly S	Sampling
Kiddie Beach			17			3
Hobie Beach			17			3
he WLA for the ro ny time period or l llowable exceeda	<u>lling 30-day</u> monitoring <u>nces.</u>	<u>/ geome</u> site is z	<u>etric mean durir</u> ero (0) days of	<u>ig</u>	Decemb	<u>er 18, 2013</u>
)ther Submit a Compreh- nonitoring planMor	ensive bac hitoring Pla	t <mark>eria wa</mark> n for the	iter quality 2 Malibu Crook		Prior to modifica existing monitori	<u>the</u> t <u>tion of</u> ng
Vatershed to thear Regional Board.	<u>oproval by</u> I	_xeculi	ve Officer-of the	•	location: frequence	<u>s or</u> cies.
Vatershed to the <u>ar</u> Regional Board. Vritten Report to o ooperatively achie o 3-year summer c	oproval by I utline how i ove complia	the Dep nce wit	ve Officer- of the partment intende h TMDL, and st ance schedule) to eps with	location: frequence June 18	<u>s or</u> <u>cies.</u> , 2010
Vatershed to theat Regional Board. Vritten Report to o ooperatively achie o 3-year summer c i detailed timeline	oproval by I utline how : bye complia try weather for all categ	the Dep nce wit compli pories o	ve Officer-of-the partment intends h TMDL, and st ance schedule- f bacteria sourc) to ops with os.	locations frequence June 18 June 18	<u>s or</u> <u>cies.</u> , 2010 , 2012
Vatershed to thear Regional Board. Vritten Report to o ooperatively achie 3 - year summer c detailed timeline Reference Watersh	oproval by I utline how t ave complia dry weather for all catego ned Study	the Dep nce wit compli pories o	ve Officer of the partment intendent h TMDL, and st ance schedule f bacteria source	o to ops with os.	Iocation: frequence June 18 June 18 Decemb	<u>s or</u> <u>cies.</u> , 2010 , 2012 er 18, 2012
Vatershed to thear Regional Board. Vritten Report to o ooperatively achie o 3-year summer c detailed timeline Reference Watersh Praft Dry-Weather MPs	oproval by I utline how : bye complia for all categ ned Study Workplan to	the Dep nee wit compli jories o	ve Officer-of the partment intende h TMDL, and st ance schedule- f bacteria sourc ment source co	eps with es.	Iocation: frequent June 18 June 18 Decemb Decemb Decemb	<u>s or</u> <u>cies.</u> , <u>2010</u> , <u>2012</u> er 18, 2012 er 18, 2014 and er 18, 2016

REV	/ISED – August 18, 2011	
	Final Wet-Weather Workplan: to implement source control and BMPs.	
	Compliance Report for dry-weather, interim wet-weather allocations, and rolling 30-day geometric mean targets	
	Final Compliance Report	
Harbor Beaches of Ventura County (Kiddie Beach and Hobie Beach) Bacteria	WLA For Single Sample and 30-day rolling recemetric mean Exceedenees:	Total Dwr
Ballona Creek <u>Metals</u>	Summer	Weather Area:
Effective Date: —December 18, 2008 22, 2005 and reaffirmed on October 29, 2008	Dry- <i>weather</i> Location Daily Sampling Weekly Sampling	On-going
BPA: Attachment -A	Kiddio Beach 54 8 Hobio Beach 40 6	
¹ Chapter 7- <u>12</u>		
Resolution NoR2007- <mark>017</mark>	Winter Dry-Weather Location Daily Sampling Weekly Sampling	On going
	Kiddie Beach 23 4	
	HODIC BEACH 20 4	On-going
	Wet-Weather Location Daily Sampling Weekly	
	<u>Sampling</u> Kiddio Beach 32 5	
	Hobie Beach 38 6	On-going
<u>015</u>	30-day Rolling Geometric Mean Exceedances:LocationDaily SamplingSamplingWeeklySamplingKiddie BeachKiddie Beach55Hobie Beach8012	
	Final Allowable Exceedance Days:	Five years after effective date of TMDL
	Summer-dry Winter-dry Weather	
	Weather Daily Weekly	
	Daily Weekly Location Sampling Sampling Sampling Sampling	Ten years after
	(No. days) (No. days) (No. days) (No. days)	TMDL
	Kiddie Beach 0 0 3 1	
	Hobie Beach 0 0 3 1	
	Wet-Weather	Prior to the modification of
	Daily Weekly Location Sampling Sampling	existing monitoring
	<u>(No. days) (No. days)</u> Kiddie Beach 17 3	locations or frequencies.

	Hobie Beach	17 3		Juno 18, 2009
	Other Monitoring Plan fr	ar approval by Execu	utivo Officor	June 18, 2010
				June 18<u>50%</u> by January 11, 2012
	Draft Dry Weathe BMPs	r Workplan to impler	nent source control	December 18, 2012
	Workplan piloting	structural BMPs (op	tional)	December 18 75% by
	Final Dry - Weath control and BMPs	er Workplan to impk ;	ement source	January 11, 2014 and December 18
	Final Wet-Weather control and BMPs	er Workplan: to imple 	ement source	<u>100% by</u> <u>January 11</u> , 2016
	Compliance Repo	ort for dry-weather, ns, and rolling 30-da	interim wet- y geometric mean	December 18, 2018
	Final Compliance	Report	e metais/day).	December 18, 2018Total Wet Weather Area:
	Einal WI Ac Com			25% by
	Metals	Ballona	<u>Sepulveda</u>	50% by
	Copper	<u> </u>	5.1	January 11, 2016
	Lead	6.0	2.7	100% by
	Selenium	2.0	1	January 11, 2021
	Zinc	143.1	64.7	
	Wet-weather WL reaches and tribu	A (total recoverable taries (grams/day): WI A (gra	metals) for all	
	Copper	2.37E-07 x Dail	v storm water	
		volume (L)	<u>,</u>	
	Lead	7.78E-07 x Dail volume (L)	y storm water	
	Selenium	<u>6.59E-08 x Dail</u> volume (L)	y storm water	
	Zinc	<u>1.57E-06 x Dail</u> volume (L)	y storm water	
BallonaCalleguas Creek and Its Tributaries and	WLA			
Mugu Lagoon Metals and Selenium	iointly assigned W	and other responsible /I As	e jurisdictions are	None Specified
<u>initiano ana contratta</u>	Dry-weather stor	m water WLAs (grar	ns total	
Effective Date: December 22, 2005 March 26, 2007	recoverable meta	ls/day): Ballona Crook	Sepulveda	
	Copper -	<u>- 11.2</u>		
3PA: Attachment A,	Lead	6.0	<u></u>	
Chapter 7- 12 and Attachment B.<u>19</u>	Selenium -	<u>2.0</u>	<u>1</u> 64.7	
Resolution No. R05-007 and Resolution No. R2007-015R4-2006-012				None Specified
	Wet-weather stor	rm water WLA (total	recoverable	

2011-XXXX-DWQ

opper 2 oad - 7 Selenium 6 Sinc - 1.	 reaches a .37E-07 × .78E-07 × .59E-08 × [57E-06 × [nd tributaries (Daily storm wa Daily storm wa Daily storm wa Daily storm wa	(grams/day) ater volume ater volume ter volume ter volume	÷ (L) (L) (L) (L)	<u>March 26,</u>	<u>2007</u>	
<u>s</u> l	<u>.imits</u>						
Constitu	<u>Callegua</u> :	s and Conejo	<u>Creek</u>	<u>R</u>	evolon Slo January 1	ugh 1, 2007	
	<u>Dry</u> <u>CMC</u> (μα/l)	<u>Dry</u> <u>CCC</u> (μα/l)	<u>Wet</u> CMC (μg/l)	<u>Dry</u> CMC (μq/l)	Dry Jahrany 1 (µg/l)	<u>Wet</u> 1 <u>, 20СМС (µg/I)</u>	
<u>Copper</u>	<u>23</u>	<u>19</u>	<u>204</u>	<u>23</u>	July<u>1</u>§ 1, 20	910 <u>204</u>	
Nickel	<u>15</u>	<u>13</u>	<u>(a)</u>	<u>15</u>	<u>13</u>	<u>(a)</u>	
<u>Selenium</u>	<u>(b)</u>	<u>(b)</u>	<u>(b)</u>	<u>14</u>	<u>13</u>	<u>(a)</u>	
<u>Nickel,</u> Dry-Weathe	and Seleni er WLAs in Callegu	<u>um</u> <i>Water Colum</i> las and Con	<u>n</u> jeo Creek		Ioads and WLA:	<u>l final</u> Slough	
<u>Flow</u> Range	Low Flow	Average Flow	Elevated Flow	<u>Lov</u>	v Marc aver		
Conner ¹				Flo			ate ow
<u>(lbs/day)</u>	0.04* WER	<u>0.12*</u> <u>WER</u>	0.18* WER	0.03	* <u>50% by 000</u> A March 200		at ow 3*
<u>(lbs/day)</u> <u>Nickel</u> (lbs/day)	0.04* WER 0.02	0.12* WER 0.02 0.120	0.18* WER 0.03	0.03 WE: -0.0	* <u>50% by 06</u> March 20 1 <u>100% b9.0</u> March 26, 0 <u>0.06</u>	2017 0. 3 0 2022 0 9 0.	at DW 3* ER 02
<u>(lbs/day)</u> <u>Nickel</u> (<u>lbs/day)</u> <u>Selenium</u> (<u>lbs/day)</u>	0.04* WER 0.02 0.100	0.12* WER 0.02 0.120	0.18* WER 0.03 0.440	Flow 0.03 WE: -0.0 0.05	50% by 00 March 00 100% b0 March 26, 0 0.06 Percent 4 reduction	2022 3 2022 0 0 0 0 0 0 0 0 0 0 0 0 0	ato DW 3* ER 02 16
Copper (Ibs/day) Nickel (Ibs/day) Selenium (Ibs/day) If site-specific WLAs shall b using the equitotal copper a) Selenium a not on the	0.04* WER 0.02 0.100 (a) c WERs are ap be implemented uations set forth loading shall no ullocations have a 303(d) list.	0.12* WER 0.02 0.120 (a) proved by the Reg in accordance with above. Regardle the exceed current le not been develop	0.18* WER 0.03 0.440 (a) ional Board, Tf th the approved ass of the final Y pading, ed for this reac	MDL WERS WERS WERS WERS WERS	50% by or March 20 March 26, 0 0.06 Percent 4reduction difference between loads and WLA: 25% by March 26,	2012 2012 2022 0 0 0 0 0 0 0 0 0 0 0 0 0	at <u>3*</u> <u>16</u> 02
(Ibs/day) Nickel (Ibs/day) Selenium (Ibs/day) If site-specific WLAs shall b using the equ total copper a) Selenium a not on the Vet-Weather Constitue	0.04* WER 0.02 0.100 (a) c WERs are ap be implemented uations set forth loading shall no allocations have 303(d) list.	0.12* WER 0.02 0.120 (a) 0.120 (a) 0.120 (a) 0.120 (a) 0.120 (a) 0.120 (a) 0.120 (a) 0.120 (a) 0.120 (b) 0.120 (c) 0.120 (c) 0.120 (c) 0.120 (c) 0.120 (c) 0.02 (c) 0.120 (c) 0.02 (c) 0 (c) 0 (c) 0 (c) 0 (c) (c) 0 (c) (c) (c) (c) (c) (c) (c) (c) (0.18* WER 0.03 0.440 (a) ional Board, Tf th the approved ess of the final Y oading, eed for this read n Creek	Flow 0.03 WEI 0.03 0.03 0.03 0.05	* 50% by 00 March 20 March 20 March 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2017 0 2022 0 2022 0 2022 0 2022 0 0 2022 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ate 2002 16 004
Copper (Ibs/day) Nickel (Ibs/day) Selenium (Ibs/day) If site-specific WLAs shall b using the equitor total copper not on the Vet-Weather Constitue Copper ¹ (Ibs/day)	0.04* WER 0.02 0.100 (a) c WERs are ap perimplemented uations set forth locations have a 303(d) list. er WLAs in ent (0.000	0.12* WER 0.02 0.120 (a) proved by the Reg in accordance with above. Regardle it exceed current la not been develop Water Column Calleguas 54*Q^2*0.032*	$\begin{array}{c c} \hline 0.18^{*} \\ \hline WER \\ \hline 0.03 \\ \hline 0.440 \\ \hline (a) \hline (a) \\ \hline (a) \hline$	Flow 0.03 WEI -0.0 0.03 0.05 <	50% by 00 March 20 March 26, 0 0.00 Percent 4 reduction difference between 0 loads and WLA: 25% by March 26, 50% by March 26,	2017 0 2022 0 2022 0 2022 0 2017 0 2012 0 2014 0	ato DW 3* 16 02
Copper (Ibs/day) Nickel (Ibs/day) Selenium (Ibs/day) If site-specific WLAs shall b using the equival total copper a) Selenium a not on the Vet-Weather Constitute Copper ¹ (Ibs/day) Nickel ² (Ibs/day)	0.04* WER 0.02 0.100 (a) c WERs are ap be implemented uations set forth locating shall not ulticoations have a 303(d) list. er WLAs in ent (0.000	0.12* WER 0.02 0.120 (a) proved by the Reg in accordance with above. Regardle t exceed current lk not been develop Water Column Calleguas 54*Q^2*0.032* 0.014*Q^2+	0.18* WER 0.03 0.440 (a) ional Board, Tf th the approved ess of the final Y oading, eed for this read Creek Q - 0.17)*W -0.82*Q	File 0.03 WE! -0.0 0.05 <	50% by 00 March 26, 0 00% b9.0 March 26, 0 0.0 Percent 4 reduction difference between 0 loads and WLA: 25% by March 26, 50% by March 26, 50% by March 26, 0.027'	2017 3 2022 0 0 2022 0 0 0 0 0 0 0 0 0 0 0 0 0	ato DW 3* 16 02 16 02
Copper (Ibs/day) Nickel (Ibs/day) Selenium (Ibs/day) If site-specific WLAs shall b using the equitation of the total copper a) Selenium a not on the Vet-Weather Constitue Copper ¹ (Ibs/day) Nickel ² (Ibs/day) Selenium (Ibs/day)	0.04* WER 0.02 0.100 (a) c WERs are ap perimplemented uations set forth locations have a 303(d) list. er WLAs in ent (0.000 2	0.12* WER 0.02 0.120 (a) proved by the Reg in accordance with above. Regardle the exceed current le not been develop Water Column Calleguas 54*Q^2*0.032* 0.014*Q^2+ (a)	<u>0.18*</u> <u>WER</u> <u>0.03</u> <u>0.440</u> (a) ional Board, Tf th the approved ses of the final V oading. ed for this read <u>n</u> <u>Creek</u> <u>(Q - 0.17)*W</u> -0.82*Q	Flor 0.03 WEI -0.0 0.03 0.05 <	50% by 00 March 29,00 March 26, 0 0,000 Percent 4 reduction difference between 0 loads and WLA: 25% by March 26, 50% by March 26, 50% by March 26, 0,027'	$\frac{1}{2017}$ $\frac{0}{1}$ $\frac{1}{3}$ $\frac{0}{17}$ $\frac{0}{17}$ $\frac{0}{17}$ $\frac{1}{17}$	at 3* =R 02 16 004 VE

 (a) Selenium allocation shave not not on the 303(d) list. Implem of the watershed-wide seleniu Q: Daily Storm Volume. Interim Limits and Final Suspended Sediment Final WLAs are set at 80% estimates. Interim limits for sediment are set equal to each flow category, based 	t been developed rentation actions is im impacts. WLAs for Me 6 reduction of or mercury in s the highest and d on HSPF ou	for this reach as it nclude consideration ercury in HSPF load suspended nnual load with tput for the yea	is Interim Limits for Mercury in Suspended Sediment March 26, 2022 – Final WLAs for Mercury in Suspended Sediment
<u>1993-2003.</u>			
Range Flow	Callegu	as Creek <u>Final</u>	Revolon Slough Interim Final
	<u>(lbs/yr)</u>	<u>(lbs/yr)</u>	(<u>bsayri)ii 30, 2005</u> /yr)
<u>0-15,000 MGY</u>	<u>3.3</u>	<u>0.4</u>	<u>1.7</u> <u>0.1</u> March 26, 2009
<u>15,000-25,000 MGY</u>	<u>10.5</u>	<u>1.6</u>	<u>4</u> <u>0.7</u>
Above 25, 000 MGY	<u>64.6</u>	<u>9.3</u>	<u>10.2</u> <u>1.8</u>
Other Coordinated Monitoring P TMDL effectiveness monitoring app	lan, including toring. roach for com	both ambient a	And Within six months of completion of Study
Implement Calleguas Cre- Selenium Monitoring Prog Conduct a source control Urban Water Quality Man- for copper, mercury, picks	ek Watershed Iram study, develo agement Proc	<u>Phanes with</u> Metals and p and submit a gram (UWQMP	<u>March 26, 2009</u> <u>Within one year of approval of Workplan by Executive Officer</u>
Implement UWQMP		<u></u>	Within one year of the completion of Studies
Evaluate results of the OC Study – Calculation of sec Calleguas Creek Watersh metals and selenium TMD	<u>C pesticides T</u> <u>diment transpo</u> ed for applica <u>)L.</u>	MDL, Special ort rates in the bility to the	March 26, 2013 Within one year of the completion of Studies
Include monitoring for cop selenium in the OC pestic Monitoring of sediment by Submit results of Special Selenium Contaminated C	per, mercury, ides TMDL, S source and la Study #2; Iden Groundwater S	<u>nickel, and</u> pecial Study – and use type. ntification of Sources	
Submit workplan for Spece metals "Hot Spot" and Na	<u>cial Study #3 -</u> tural Soil	- Investigation	<u>of</u>
Evaluate the effectiveness	s of BMPs im	plemented unc	ler

<u>RE</u> \	/ISED – August 18, 2011				
	the UWQMP				
	Evaluate the results of implement Studies #2 and #3 and implement studies.	ntation actions Spe nt actions identified	<u>ecial</u> d by		
Calleguas Creek and Its Tributaries and Mugu Lagoon Los Angeles River Metals-and Selenium	WLA The Department and other responsion jointly assigned WLAs. Interim WLAs for mercury in sed	onsible jurisdictions iment are mass-ba	s are ased.	None S	pecified
Effective Date: March 26, 2007December 22, 2005 and October 29, 2008 BPA: Attachment A, Chapter 7-1913 and Attachment B.	Other Submit Calleguas Creek Waters Selenium Monitoring Program Implement Calleguas Creek Wat Selenium Monitoring Program	hed Metals and ershed Metals and	ł	June 26 Within t months Executiv approva monitor	hree of ve Officer ul of the ing
Resolution No. R4-2006-012 <u>R2007-014</u>	Conduct a source control study, Urban Water Quality Manageme for copper, mercury, nickel, and Implement UWQMP	develop and subm nt Program (UWQ selenium.	iit an MP)	Within C Approva UWQMI Total D weathe meeting	n. 26, 2009 one year of L of 2 rV- r Area 1:
	Evaluate the results of the OCs - calculation of sediment transport	TMDL, Special Stu rates.	idy for	<u>50%</u> by- Executi	the ve Officer.
	Evaluate results of the OC pestic Study – Calculation of sediment Calleguas Creek Watershed for metals and selenium TMDL	cides TMDL, Speci transport rates in t applicability to the	ial he	Within s of Comp Study	ix months pletion of
	Workplan for Special Study #3: "Hot Spot" and Natural Soil.	Investigation of Me	stals'	Within to of appro Workpla 12, 2012	wo years wal of InJanuary
				<u>75%</u> by-	Executive
	Evaluate the effectiveness of BMPs implemented under the UWQMP			Within to of approve Workpla	wo years wal of InJanuary
	studios.	verable metals	~ ~ f	100% by Officer.	- Executive
	Waterbodies	Copper (kg/day)	L (ku	ead 1/dav)	Zinc (kg/day)
	LA River Reach 6	0.53	<u>(</u>	March 2	6, 2013
	LA River Reach 5	0.05	<u>(</u>	001/001/001	ne year of
	LA River Reach 4	0.32	<u>(</u>	0 1 Ene com	pletion of
	LA River Reach 3	0.13	<u>(</u>	January	2024
	LA River Reach 1	0.13	(07	
	Bell Creek	0.06	<u>`</u>	0.04	
	Tujunga Wash	0.0001	0.	0002	
	Burbank Channel	0.15	(0.07	
1				1	

	Verdugo Wash		<u>0.18</u>	<u>(</u>	0 <u>.10</u>			
	Arroyo Seco		<u>0.01</u>	<u>(</u>	0 <u>.01</u>			
	Rio Hondo Reach 1		<u>0.01</u>	<u>0</u>	.006	<u>0.16</u>		
	Compton Creek		<u>0.04</u>	(0.02			
					Total M			
	Wet-weather WLAs - tota	l reco	verable metals		weathe	r Area		
			WI A (kg/day)		meetin	<u>g:</u>		
	Cadmium		$\frac{\mathbf{WLA}(\mathbf{Rg}/\mathbf{udy})}{5.3 \times 10^{-11} \times \mathbf{dail}}$,	050(b)			
	Caumum	<u> </u>	volume (L) – 0.03		<u>25% Dy</u> January 11, 2013			
	Copper	2	$2.9 \times 10^{-10} \times \text{daily}$	/	Junuary	11, 2012		
	<u>volume (L) – 0.2</u>			<u>50% by</u>				
	Lead	1	.06 x 10 ⁻⁹ x dail	Y	January	<u>/ 11, 2024</u>		
			<u>volume (L) – 0.07</u>		100% b	v		
	<u>Zinc</u>	<u>2.7 x</u>	<u>x 10⁻⁹ x daily vol</u>	<u>ume</u>	January	<u>11, 2028</u>		
			<u>(L) – 1.6</u>					
	Note: Water effects ratio (WER(s	s)) have a default	<u>value</u>				
	01 1.0 unless site-specific v		<u>) are approved.</u>					
Los Angeles River	WLA							
Metals								
Ballona Creek Estuary	Cadmium - WEB x 53 x	10-11	Yable metals (Kg/) x_daily volume (I	day) :	None S	pecified		
Toxic Pollutants	0.03			-/				
	Copper - WER x 2.9 x	(10⁻¹⁰⁻	x daily volume (L) -	Total D	rainage		
Effective Date: December 22, 2005-and-October	0.2	v 10 -9	y daily volume (l	`	Metals	and		
28, 2000	$\frac{1000}{0.07}$	x 10	-x ually voluttie (I	_ / _	Organi	cs WLAs:		
BPA: Attachment A,	Zinc - WER x 1.2 x	(10-9	x daily volume (L	_ _)	050(1			
Chapter 7-13 and Attachment B.14	1.6				25% by			
Resolution Nos-	Note: Water effects ratio ()		s)) have a default	value				
R10-003, R05-006, and R2007-014 R4-2005-008	of 1.0 unless site-specific V	VER(s) are approved.	value				
	Metals WLAs for sediment	in sto	orm water		April 11	2007		
	<u>Constituent</u>		<u>WLA (kg/yr)</u>			, 2007		
	<u>Cadmium</u>		<u>0.11</u>		January	(11, 2010		
	<u>Copper</u>		<u>3.2</u>					
	Lead		4.4					
	Silver		0.09		July 11,	2010		
	Zinc		14		Decemb	er 22, 2012		
					50% by			
					Decemb	er 22, 2014		
	Organics WLAs				75% by			
	Constituent		<u>WLA (g/yr)</u>		Decemb	er 22, 2016		
	<u>Chlordane</u>		<u>0.05</u>					
	<u>DDTs</u>		<u>0.15</u>		100% by	L or 22, 2020		
	Total PCBs		<u>2</u>		Decenic	<u>ei 22, 2020</u>		
	Total PAHs		<u>400</u>					
	Other				Decemh	er 22, 2006		
	Coordinated Monitoring Pla	an				,		
					Decemb	er 22, 2011		
Draft Reportreport outlining approach for compliance								
	with WLAs that includes im	pleme	ntation methods,	nd				
	implementation schedules,	propo		u iu	June 22	<u>, 2011</u>		

RE	EVISED – August 18, 2	<u>011</u>	
	any revisions to the TMDL		
	Final Report<u>report</u> outlinin compliance.		
Ballona Creek EstuaryMarina del Rey Harbor Toxic Pollutants Effective Date: December 22, 2005 March 16, 2006 BPA: Attachment A ₇ Chapter 7-14 <u>18</u>	WLA-WLAs Meta/s 0.11 Cadmium 0.11 Copper 3.2 Lead 4.4 Silver 0.09 Zinc 14	None Specified	
Resolution No.	Constituent		None Specified
R4-2005-008012	Copper		
		0.022	
	Zinc	0.096	
	Organic <u>s_WLAs for storm</u> Chlordane - 0.0 DDTs 0.15 Total PCBs - 2 Total PCBs - 2	- water (g/yr) 5	December 22, 2006
	Total PAHs - 400		December 22,
	Chlordono	<u>WLAS (g/yr)</u>	2010
		0.0003	
			June 22, 2011 December 22, 2012
			December 22If pursuing a TMDL Specific Implementation Plan meet WLAs at:
	<i>Other</i> Coordinated Monitoring P	lan	<u>50% by</u> <u>March 16</u> , 2014
	Results of any Special Stu	100% by December 22March 16, 2016	
	Draft report outlining appr WLAs that includes impler implementation schedules any revisions to TMDL eff	If pursuing an Integrated Resources	
	Final report outlining appr with WLAs.	Regional Water Board Approval meet WLA at:	
	Demonstrate that 25% of by MS4 system is effective sediment.	the total drainage area served cly meeting the WLA for	December 22, 202025% by March 16, 2013 50% by March 16, 2015
	Demonstrate that 50% of the MS4 system is effective sediment.	<u>March 16, 2015</u> 75% by March 16, 2017	
	Demonstrate that 75% of	total drainage area served by	<u>100% by</u>

	interiority integra	01 10, 201	<u> </u>					
	the MS4 system sediment.	is effectively	meeting the	WLA for	Ma	arch 16, 202	1	
	Demonstrate the	Demonstrate that 100% of total drainage area served by					<u>17</u>	
	the MS4 system sediment.	the MS4 system is effectively meeting the WLA for sediment.				arch 16, 201	1	
					Ma	urch 16, 201	1	
					<u>Se</u> 20	<u>ptember 16,</u> 11		
Marina del Rey Harbor	WLA							
Toxic Pollutants	A grouped mass	-based WLA	is developed	l for storm llocations fr	om Ne	me Specifie	d	
Calleguas Creek, Its Tributaries and Mugu	the total loading	capacityWL/	As are held jo	intly with		o 10		
Lagoon Organochlorine Pesticides (OC), Polychlorinated	multiple discharg	<u>gers</u> .			Ne	ne Specifie	d	
Biphenyls (PCBs), and Siltation	<u>1. Meta/s stor</u>	rm water WL	As Apportione	ed between				
Effective Date:	Permits (kg Pollutants i	<mark>⊮yr):</mark> Interim a n Sediment	ind Final WLA	<u>As for</u>				
March 16<u>14</u> , 2006	Copper - 0.02	2						
BPA: Attachment A	Lead - 0.03 Zinc - 0.09	; 16						
, Chapter 7- <u>18 17</u>								
Resolution No.	Organics storm Permits (g/vr)	water WLAs	Apportioned	between	Int	erim WLAs	s:	
-R4-2005- <mark>012</mark> 010	Chordane - 0	1.0003			Ma	arch 16,	-	
	a) Interim	WLAs (ng/g	1)		20	07<u>14, 2006</u>		
				<u>Subw</u>	atershed			
	Constituent	<u>Mugu</u> Lagoon ¹	<u>Calleguas</u> <u>Creek</u>	<u>Revolon</u> <u>Slough</u>	<u>Arroyo</u> <u>Las</u> Posas	<u>Arroyo</u> <u>Simi</u>	Conje o Creek	
	Chlordane	25.0	<u>17.0</u>	<u>48.0</u>	<u>3.3</u>	3.3	.4	
	<u>4,4,-DDD</u>	<u>69.0</u>	<u>66.</u>	<u>400.0</u>	<u>290.0</u>	<u>14.0</u>	.3	
	<u>4,4-DDE</u>	<u>300.0</u>	<u>470.0</u>	<u>16,000</u>	<u>950.0</u>	<u>170.0</u>	<u>2).0</u>	
	<u>4,4,-DDT</u>	<u>39.0</u>	<u>110.0</u>	<u>690.0</u>	<u>670.0</u>	<u>25.0</u>	<u>.0</u>	
	Dieldrin	<u>19.0</u>	<u>3.0</u>	<u>5.7</u>	<u>1.1</u>	<u>1.1</u>	<u>.0</u>	
	PCBs Texenhene	<u>180.0</u>	<u>3800.0</u>	<u>7600.0</u>	25700.0	25/00.0	<u>38 JO.0</u>	
	¹ The Muquel ago	on subwatersh	ed includes Du	<u>790.0</u>	230.0	230.0	<u> <u>21</u> 0.0</u>	
	/Agricultural Drain/	/Mugu/Oxnard	Drain #2					
	Compliance with	n sediment ba	ased WLA is r	measured a	s			
	an instream ann	ual average	at the base of	f each	Fil Ma	nal WLAs:		
	watershed where	e discharges	are located.		20	11 <u>14, 2026</u>		
	b) <u>Final (</u>	WLAs (ng/g)						
					Subwatershed			
				<u>Sub</u>	watershe	<u>d</u>		
	Constituent	<u>Mugu</u> Lagoon ¹	<u>Calleguas</u> <u>Creek</u>	<u>Sub</u> <u>Revolon</u> <u>Slough</u>	watershe Arro Las P	d oyo <u>Arr</u> osas <u>Si</u>	royo imi <u>Co</u>	
	Constituent	Mugu Lagoon ¹ <u>3.3</u>	Calleguas Creek	Sub Revolon Slough	watershe Arro Las P	d Arr osas Si <u>3 3</u>	imi Co Co Cr Cr Cr	
	Constituent Chlordane 4,4,-DDD	<u>Muqu</u> <u>Laqoon</u> 1 <u>3.3</u> <u>2.0</u>	Calleguas Creek 3.3 2.0	Sub Revolon Slough 0.9 2.0	watershe Las P 3. 2.	d yoo Arr osas Si 3 3 0 2	covo imi Co Cr 1.3 3 1.0 2	

<u>4,4-DDE</u>	<u>2.2</u>	<u>1.4</u>	<u>1.4</u>	<u>1.4</u>	<u>1.4</u>	1	
<u>4,4,-DDT</u>	<u>0.</u>	<u>0.3</u>	<u>0.3</u>	<u>0.3</u>	<u>0.3</u>	0	
<u>Dieldrin</u>	<u>4.3</u>	<u>0.2</u>	<u>0.1</u>	<u>0.2</u>	<u>0.2</u>	0	
PCBs	<u>180.0</u>	<u>120.0</u>	<u>130.0</u>	<u>120.0</u>	<u>120.0</u>	<u>12</u>	
Toxaphene	<u>360.0</u>	<u>0.6</u>	<u>1.0</u>	201124	8, 201 <u>5</u>	<u>0</u>	
¹ <u>The Mugu Lago</u> /Agricultural Drain, 2. <u>Siltation WL</u> <u>MS4 dischar</u>	on subwaters Mugu/Oxnard A for MS4 gers will rec	ned includes Du Drain #2 eive an alloca	tion of 2,496-	March 1 Septemb	6, 2014 ber 16,		
oon. The be evalu by of this r the bas ementat	ated will be of ated will be of TMDL. The eline is esta ion plan.	orment yield to om which the determined by load allocatio blished as des	load reduction a special n will apply scribed in the	<u>2011114,</u> <u>August 1</u> <u>March 1</u>	<u>2006</u> 10, 2008 4, 2007		
ordinated oordinated wegrated Called CBs Monitoring	kplan for OC guas Creek \ g <mark>Plan</mark> Progra	C pesticides an Watershed O(um.	nd PCBs or ar C pesticide an	March 1 2014 <u>14</u>	6, 2007		
Results <u>Initiate C</u> Monitoring Prog	<u>C pesticide,</u> ram	PCBs, and si	Itation	March 1 2016<u>14</u>,	6, 2007		
Norkplan to ider sources of any S Draft report outli	ntify urban, in Special Studi ning approad	ndustrial and o es ch for complia	<u>domestic</u> nce with	March 1 2013<u>14</u>,	6, 2011		
<u>ilestones, and</u> ethods to imple	, implementa any revision ement collect	ntation <u>OC per</u> ation schedule s to TMDL off tion and dispo	sticides, PCB: , proposed ectiveness <u>and</u> osal.	March 1 <u>201514</u> ,	6, _2014		
inal report outli /ith WLAs.<u>Spec</u> Science Advisor	ning approad ial Study #1 y Panel	ch for WLAs c Workplan and	ompliance d convene a	March 1 2017<u>14</u>,	6, 2015		
f pursuing a T PlanSpecial Stu high OC pesticic vorkplan.	MDL Specif dy #2 study les and PCB	ic Implement to identify land s concentration	ation d area with ons and	March 1 2021<u>14</u>,	6, 2016		
Demonstrate the by the MS4 syst sediment.	t t 50% of the em is effectiv	+ total drainage vely meeting t	e area served h e WLAs for	March 1	<u>4, 2026</u>		
Demonstrate that by the MS4 syst sediment.	t t 100% of th e m is effecti	e total draina vely meeting t	ge area serve he WLAs for	d			
If pursuing the integrated approach Demonstrate that 25% of the total drainage area served by the MS4 system is effectively meeting the WLAs for sediment.							
Demonstrate that by the MS4 syst sediment.	t t 50% of the em is effecti	total drainage vely meeting t	ə area served he WLAs for				
Demonstrate that by the MS4 syst sediment.	t t 75% of the em is effectiv	total drainage vely meeting t	e area served h e WLAs for				
31		August 1	8. 2011				

1

	Demonstrate that by the MS4 syste sediment. Implement a colle pesticides and PC Special Study #1 refining the siltati Effective date of s allocation Special Study #3 methods to accel attainability. Achieve Final WL					
Calleguas Creek, Its Tributaries and Mugu Lagoon Organochlorine Posticides (OC), Polychlorinated	WLA WLAs areWLA is	held jointly with mu	ultiple dischargers.	None Specif	ied	
Los Angeles River Nitrogen Compounds	Con	<u>stituent</u>	Los Angeles River Above Los Angeles – Glendale WRP (LAG)	Lo Santambor R2000celow LAG	14, <u>Los Ar</u> gel <u>Tribut</u> arie	<u>les</u> es
Effective Date: March <u>14, 200618, 2004</u> BPA: Attachment A, <u>Chapter 7-8</u>	Ammonia	One-hour average (mg/L)	4.7	Six months Executive O Approval of	after fficer <u>10</u> 1	
		<u>Thirty –day</u> <u>average</u> (mg/L)	<u>1.6</u>	Monitoring Program 2.4 March 14	<u>2.</u> 3	
	<u>NO₃-N</u>	<u>Thirty-day</u> <u>average</u> (mg/L)	<u>8.0</u>	2007 <u>18, 200</u> 8.0) <u>5</u> <u>8.</u>)	
03-009 and Resolution No. 03-016	<u>NO₂-N</u>	<u>Thirty –day</u> <u>average</u> (mg/L)	<u>1.0</u>	<u>1.0</u>	<u>1.</u>)	
	<u>NO₃-N +</u> <u>NO₂-N</u>	<u>Thirty –day</u> <u>average</u> (mg/L)	<u>8.0</u>	<u>8.0</u>	<u>8.)</u>	
	Other Workplan for OC Calleguas Creek Monitoring Progra Initiate OC pestic Program Workplan to idem sources of OC pe methods to imple Special Study #1 Advisory Panel	pesticides and PCI Watershed OC pes am. ide, PCBs, and silt ide, PCBs, and silt ide, PCBs, and silt ide, PCBs, and silt workplan and con	Bs or an Integrated sticide and PCBs ation Monitoring Hand domestic ntrol methods, and Hdisposal. vone a Science	March 14, 2 <u>18, 2005</u> March 14, 2	007 007	
	Special Study #2	-study to identify la	nd area with high OC	March 14, 2	011	
				March 14, 2	014	

	Implement a collect pesticides and PCE	March 14, 2015		
	Special Study #1: I	results and re	commendations	March 14, 2016
	Re-evaluation of Si	Itation load al	llocation and WLA	
	Special Study #3: e methods to acceler attainability. Submit a Monitoring loadings from storn			
Los Angeles River Nitrogen Compounds	WLA <u>s</u> WLA is held jointly	None Specified		
Machado Lake Eutrophic, Algae, Ammonia, and	Interim WLAs			
<u>Odors (Nutrient)</u> Effective Date: March 18, 2004<u>11, 2009</u>	Years After Effective Date	<u>Phosphor</u> WLAs (mg	<u>us</u> <u>I/L)</u> <u>Nitrogen</u> (<u>TKN + N0₃-N</u> + NO ₂ -N	March 18, 2005<u>11, 2009</u>
BPA: Attachment A,	At Effective Date ¹	<u>1.25</u>	3.50	March - 18,
Besolution No. 03-009008-006	<u>5</u> ²	<u>1.25</u>	<u>2.45</u>	2000 <u>11,2014</u>
	<u>9.5</u> (Final WLAs ³)	<u>0.10</u>	<u>1.00</u>	<u>March 11, 2014</u>
	2 The compliance pu specified in Impler 3 The compliance pu Implementation Pl	Dint for all year 5 mentation Plan So Dint for all final W an Section II of T	interim WLAs is measured as ection II of Table 7-29.1 (LAs is measured as specified Table 7-29-1.	in
	<u>Total</u> <u>Phosphor</u> (mg/L)	<u>) sı</u>	<u>Total Nitrogen</u> TLN + N0 ₃ -N + NO ₂ -N (mg/L)	September 11, 2018
	<u>0.1</u>		<u>1.0</u>	
	Other Submit a Monitoring loadings from storn Workplan to evalua reductions.	g Workplan to I drain syster te offectiveno	o ostimate nitrogen n. oss of nitrogen	March 11, 2010 Sixty days from date of MRP Plan approval.
	Submit Monitoring	and Reporting	<u>g Program (MRP) Plan</u>	March 11, 2011
	Begin monitoring th	e approved N	<u>MRP Plan</u>	Sixty days from of Implementation Plan approval.
	TMDL Implementat	<u>ion Plan (incl</u> orm drains)	uding BMPs to address	<u>Annually -from</u> date of MRP Plan approval
	Begin Implementation of BMPs to address discharges from storm drains, as set forth in TMDL Implementation Plan.			
	Submit Annual Mor	nitoring Repor	r <u>ts</u>	<u>Sixty days from</u> MRP/Implementati on Plan approval.

<u>REV</u>	/ISED – Augus	<u>st 18, 2011</u>	
	Alternative mass Implementation F Alternative mass and Implementat	based WLA option: MRP and TMDL Plans based WLA option: Begin Monitoring ion Plan	Annually from date of MRP/Implementati on Plan approval
	<u>Alternative Mass</u> <u>Reports</u>	based WLAs Annual Monitoring	
Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrient)	WLA Interim WLAs for Total Nitrogen ((3	Total Phosphorus (1.25 mg/L) and 3.50 mg/L) is measured in the	March 11, 2009
<u>Chloride</u> Effective Date: <u>March 11, 2009</u> April 6, 2010	5 Year interim W	LA for Total Phosphorus (1.25 mg/L)	March 11, 2014 March 11, 2014
BPA: Attachment AB, Chapter 7-296	5 Year interim W Final WLAs for T Nitrogen (1.0 mg	LA tor Total Nitrogen (2.45 mg/L) otal Phosphorus (0.10 mg/L) and Total (L)	September 11, 2018
Resolution No. 000-000 <u>n4-2000-012</u>	Other Monitoring and R	eporting Program (MRP) Plan	March 11 <u>April 6</u> , 2010
	Optional - Specia	I Study #3 workplan	March 11, 2010
	Optional - Specia	al Studies #1 and #2	September 11, 2010
	TMDL-Implement	ation Plan (including BMPs)	March 11, 2011
	Implementation c Implementation F	f BMPs (60 days from approval of ² lan)	Sixty days from of Implementation Plan approval.
	Annual Monitorin	g Reports	Annually -from date of MRP Plan approval
	Optional Special	Study #3 Final Report	September 11
	Alternative mass	based WLA option: MRP and TMDL ¹ ans	2011
	Alternative mass	based WLA option: Monitoring and Plan	September 11, 2011
	Mass-based WL/	As Annual Monitoring Reports	November 11, 2011
	Optional Special	Studies Final Reports	September 11, 2012 and annually thereafter
			March 11, 2015
Upper Santa Clara River Chloride	WLA Concentration-ba	sed WLAs	April 6
Nitrogen Compounds		Concentration-based Conc	itional WLA
Effective Date: April 6, 2010 March 18, 2004	Reach	-tor Chloride	March 18, 2004

2011-XXXX-DWQ

BPA: Attachment B, ——— Chapter 7- <u>69</u>	Watershed Stream	<u>1-Hour</u> (mg/L)	<u>30-day</u> (mg/L)	<u>30-day</u> <u>Average</u> (mg/L)	
Resolution No. R4-2008-012<u>03-011</u>	<u>Reach</u>	Daily Maximum (mg/L) NH ₃ - N	<mark>3-month</mark> Average (mg/L) <u>NH₃ - N</u>	12- month Average (mg/L)	March 18, 2005
				$\frac{NO_3 - N}{+ NO_2}$	March 18, 2005
	4 B 3	230-4.2	117 2.0	-8.1	and annually thereafter
	<u> </u>	230 -5.2	-1.75	150 6.8	
	6	230		-	<u>150</u>
Santa Clara River Nitrogen Compounds	Other None Specified Workplan to est Annual Progres WLA Concentration-te	imate ammonia s Reports on th pased WLAs 1-Hour	a and nitroge ne Implement	n loadings. tation Plan 1 0-day	3019terin.WLAS:
<u>Calleguas Creek, its Tributaries and Mugu</u> <u>Lagoon</u>	Watershed Stream	(mg/L)) (mg/L)	March <u>18</u> , <u>2006</u>
Toxicity, Chlorpyritos, Diazinon	Reach	1113-1			N
Effective Date: March 18, 2004<u>14, 2006</u>	3	4 <u>.2</u>		2.0	Finas.WLAs:
BPA: Attachment BA.	7	<u>5.2</u>		1.75	Margng14, 2008
Resolution No. 03-011<u>R4-2005-009</u>	<u>Chloryprifos</u> Interim WLA (4 Final WLA (4 da <u>Diazinon</u> Interim WLA (Au Interim WLA (C Final WLA (Acu	<u>day) - 0.45 μα</u> ay) - 0.014 μg/ <u>cute, 1-hour):</u> hronic, 4 day): te and Chronic	<u>g/L</u> <u>L</u> <u>1.73 μg/L</u> 0.556 μg/ ε): 0.10 μg/L	: 	<u>September 14,</u> 2006 March 18, 2005 <u>14, 2006</u>
	Other Workplan to est Annual Progres Submit workpla Monitoring Prog	imate ammonii s Reports on the n for integrated gram for approv	a and nitroge ne Implement d Calleguas C /al by EO.	n loadings. tation Plan Creek	March 18, 2005 and annually thereafter <u>14, 2008</u>
	Initiate monitori	ng program			<u>6 months after</u> <u>completion of</u> <u>CCW OC</u> <u>pesticides, PCBs</u>
	Investigate the Chlorpyrifos in t receiving waters	pesticides that he urban envir s, and potentia	will replace [onment, their I control mea	<u>Diazinon and</u> r impact on <u>sures.</u>	and Siltation TMDL sediment concentrations special study.
	Special Study # sediment conce through special and siltation TM	2 - Consider re entrations by so study required IDL Implement	esults of moni ource/land use in the OC Pe ation Plan. If	itoring of e type esticide, PCE the special ticides PCP	3. <u>March 14, 2009</u>
	and Siltation TM	IDL no conside	eration is nec	essary.	<u>6 months after</u> <u>completion of</u>

<u>REVISED – August 18, 2011</u>					
	Develop and implement collection program for Diazinon and Clorpyrifos and an educational program. Special Study #3 - Calculation of sediment transport rates in CCW, Consider findings of transport rates developed through the OC Pesticide, PCB, and siltation TMDL.	CCW OC Pesticides , PCBs and Siltation TMDL			

Region 5 – Central Valley Regional Water Board

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
Cache Creek, Bear Creek, Sulphur Creek, and	WLA None Specified	None Specified
Harley Gulch Mercury	Other Develop and implement a plan to describe the management practices that will be implemented to control erosion.	February 7, 2009
Effective Date: February 7, 2007 BPA:	Implement best management practices to control erosion in mercury-enriched areas; conduct pre-project water quality and sediment assessments to identify areas with enriched mercury; and describe additional management practices that will be implemented in these areas.	On-going

2011-XXXX-DWQ

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
Attachment I – Amending Basin Plan for Sacramento & San Joaquin River Basin		
Resolution No. R5-2005-0146		
Clear Lake Nutrients	WLA WLA for phosphorus - 100 kg/yr	June 2018
Effective Date: September 21, 2007	Other Conduct surveillance monitoring to estimate nutrient loadings from activities in the watershed using either water quality monitoring or computer or a combination of the two.	On-going
BPA: Attachment I	Develop and implement a plan to: 1) collect the information needed to determine what factors are important to controlling nuisance blooms and to 2) recommend what control strategy should be implemented.	June 19, 2008
R5-2006-0060		
Sacramento- San Joaquin Delta Methyl mercury	<i>WLA</i> WLA is held jointly with multiple dischargers.	2030
Effective Date: Pending		
Resolution No. R5-2010-0043		

Region 6 – LahontonLahontan Regional Water Board

TMDL			,	WLA	s/Deli	veral	bles//	Actio	n Rec	quire	ł				(Com	pliance Date Due Date
Truckee River Sediment Effective Date: September 16,	Truckee River WLA Sediment None Specified4,936 tons/year of sediment (combined WLA for three MS4 permittees – Caltrans, Placer County, and Town of Truckee) Effective Date: September 16, 2009 Other										4 2	<mark>Jone</mark> Septe	Specified omber 16, 2029				
BPA: WQ Amendment May 2008	Track and r Attachment	ck and report road abrasives and de-icing agents used and recovered in accordance with achment V (Part 5-4) Lahontan Region, #8, #11, and #12 of this Order.											lanu vear Annu Regio	ary 15 <u>.</u> each Asas part of the al Lahontan on Report			
Resolution No. 2009-0028	Identify and prioritize legacy site restoration and BMP implementation None Specified, 15, each v and of the Lahontan											i <mark>fied January</mark> ach year as of the Annual ntan Region					
	Coordinate program .	with Tru	ckee a	and Pl	acer C	County	' to de	velop	<u>and in</u>	<u>nplem</u>	<u>ent</u> a ı	nunici	pal m	onitori	ng <u>t</u>	<u>tepc</u> tnnu	ially
	The Depart develop and waters.	ment and d implem	<u>and Lake Tahoe basin municipalities that addresses its discharges</u> to lement comprehensive Pollutant Load Reduction Plans (PLRPs)surface Non dire									lone lirec Exec	• Specified <u>Per</u> tion of the utive Officer				
Lake Tahoe Sediment and Nutrients	<u>WLA</u> Pollutant Loa Lake Tahoe 1	ad Alloca FMDL Ba	ations aselin	<u>s – Ex</u> e Con	press ditior	<u>ed as</u> 1	a Per	cent I	Reduc	tion f	rom t	<u>ne</u>					
Effective Date: Pending	Baseline Lo	oad				Mi	lestor	ne Loa	ad Re	ductio	ons				<u>andard</u> tainment		Each five year permit term will include
BPA: WQ Amendment	Fine Sediment Particles (less than 16 micrometers) Include pollutant load reduction																
<u>May 2008</u> <u>Resolution</u> <u>No. 2009-</u> <u>0028</u>	Basin Wide Fine Sediment Particle Load (# of particles	<u>% of</u> <u>Basin</u> <u>Wide</u> Load	<u>5 yrs</u>	<u>10 yrs</u>	<u>15 yrs</u>	<u>20 yrs</u>	25 yrs	<u>30 yrs</u>	<u>35 yrs</u>	40 yrs	45 yrs	<u>50 yrs</u>	55 yrs	<u>60 yrs</u>	65 yes		requirements consistent with the Table.
	<u>3.5E+20</u>	<u>72%</u>	<u>10 %</u>	21 %	<u>34 %</u>	<u>38 %</u>	41 %	<u>45 %</u>	48 %	<u>52 %</u>	<u>55 %</u>	<mark>59 %</mark>	<mark>62 %</mark>	<mark>99 %</mark>	71 %		
	Nitrogen																
	Basin Wide <u>Nitrogen</u> Load (MT/yr)	<u>% of</u> <u>Basin</u> <u>Wide</u> Load	<mark>5 yrs</mark>	<u>10 yrs</u>	<u>15 yrs</u>	20 yrs	25 yrs	30 yrs	<u>35 yrs</u>	<u>40 yrs</u>	45 yrs	50 yrs	<mark>55 yrs</mark>	<u>60 yrs</u>	<u>65</u> <u>ves</u>		
	<u>63</u>	<u>19%</u>	<mark>8 %</mark>	<u>14 %</u>	<mark>19 %</mark>	<mark>22 %</mark>	<mark>25 %</mark>	28 %	<mark>31 %</mark>	<u>34 %</u>	37 %	<u>40 %</u>	<u>43 %</u>	46 %	<mark>20 %</mark>		
	Phosphorus																
	Basin Wide phosphorus Load (MT/yr)	<u>% of</u> <u>Basin</u> <u>Wide</u> Load	<u>5 yrs</u>	<u>10 yrs</u>	<u>15 yrs</u>	<u>20 yrs</u>	25 yrs	<u>30 yrs</u>	<u>35 yrs</u>	<u>40 yrs</u>	<u>45 yrs</u>	<u>50 yrs</u>	<u>55 yrs</u>	<u>60 yrs</u>	<u>65 yes</u>		



<u>REVISED – August 18, 2011</u> Region 7 – Colorado River Basin Regional Water Board

TMDL	w	WLAs/Deliverables/Action Required									
Coachella Valley Storm	WLA Bacterial Indicator Water	Quality Objectives									
Water Channel Bacterial Indicators	Parameter	30-Day Geometric ^a Mean	Maximum Instantaneous	None Specified							
	E. Coli	MPN <u><</u> 126/100 (ml)	400 MPN/100 ml								
Effective Dates: Pending	^a Based on a minimum	of no les than 5 samples equally spaced	over a 30-day period.								
BPA: June 17, 2010	<i>Other</i> Develop and submit two- Quality Assurance Project	monitoring program and a executive review and approval.	90 days after USEPA								
Resolution No. R7-2010-0028	Monitor CVSC for bacter	ia loading.		90 days after USEPA TMDL approval and quarterly thereafter for 2 years. Begin monitoring after							
				approval of the CVSC Bacterial Plan by the Regional Water Board Executive Officer							

<u>REVISED – August 18, 2011</u> Region 8 – Santa Ana Basin Regional Water Board

TMDL	WLAs/Deliveral	bles/Action Required	Compliance Date Due Date
Lake Elsinore and Canyon Lake	WLA WLA is held jointly with multiple discharger WLAs	,	None Specified
Nutrents	Lake Elsinore WLAs	December 31, 2020	
Effective Date: September 30, 2005	Final Phosphorus WLA (kg/yr)		
BPA.	Not finalized	Not finalized	
Attachment to	Not finalized	Not finalized	
Resolution		December 31, 2020	
2004-0037	The Department's allocations are part of the	e overall urban allocation.	
Resolution No. R8-2006-	Other		December 31, 2010
0001	Sediment Nutrient Reduction Strategy:		December 31, 2010
Resolution No.	Phase 2 Alternatives		December 31, 2010
110-2007-0005	O & M Agreement for Fishery Management O & M Agreement for Aeration and Mixing S	Svstems	December 31, 2014
	Phase 2 Project Plans		August 31 of every
	Complete Phase 2 Project Implementation Annual Report – Implementation of In-lake	and Watershed Monitoring Programs	year
	<i>Model Update Plan</i> Linkage Analysis Study Watershed Source Loading Study Model Evaluation	August 31, 2010 August 31, 2010 December 31, 2010	
	Conduct Model Scenarios Model Update Final Report		June 30, 2011 August 31, 2011 November 30, 2011
	Comprehensive Nutrient Reduction Plan (C	NRP)	December 31, 2011
	Commence Phase 2 LE/CL TMDL Monitori	ng Program	December 31, 2011
	Annual Report summarizing the Watershed	-Wide Nutrient Water Quality Monitoring Program	August 15 of each Year
	Begin Joint TMDL Monitoring Program		December 31, 2010
Big Bear Lake Nutrients for Dry Hydrological	WLA is held jointly with multiple dischargers with the WLA.	s. The Department is to demonstrate compliance	None Specified 31, 2015
Conditions	Other		
Effective Date: September 25, 2007	Annual Reports summarizing data collected WLAs and numeric targets.	for the year and evaluating compliance with	February 15 of each vear
BPA: Attachment to	Submit collectively or in collaboration with t Board approval a plan to evaluate the appli- technologies to control noxious and nuisand	he Big Bear TMDL Task Force for the Regional cability and feasibility of various in-lake treatment ce aquatic plants.	February 26, 2010
No. R8- 2006-0023	Submit Plan and Schedule for updating the Model.	existing Big Bear Lake Watershed Nutrient	

TMDL		WLAs/Deliverables/Action Required									
Resolution No. R8-2006-0023	Submit a Propos Lake.	ed Plan and Sch	nedule for In-la	ake Sedimer	t Nutrier	nt Reduction for	Big Bear	March 31, 2010			
	Submit Annual F Management Pla		April 15, 2010								
								February 15 of each year			
<u>, and R8-2008-</u> <u>0070</u>											
San Diego Creek and Upper & Lower	WLA San Diego Cree										
Newport Bay Organochlorine Compounds	Total DDT (g/yr)	Chlordane (g/yr)	Dieldrin (g/yr)	PCB (g/yi	r)	Toxaphene (g/yr)		None specified			
Effective Date:	8.7	6.3	5.2	42.3	3	0.2					
Pending	Upper Newport	Bay Organochl	orine Compo	ounds WLA				None specified			
DI A.	Total DD	T Chic	ordane	PC (g)	Bs /vr)			None specified			
Resolution No.	8.7		6.3	42	2.3						
	Lower Newport	Bay Organochl	lorine Compo	ounds WLA							
	Total DDT (g/yr)	Chlordar (g/yr)	ne D	ieldrin (g/yr)	P (!	PCBs g/yr)		None specified			
	0	0		0		0					
	Other None Specified							None specified			

<u>REVISED – August 18, 2011</u> .*Region 9 – San Diego Regional Water Board*

TMDL		WLAs/D	eliverables/Ac	tion Required		Compliance Date Due Date
Chollas Creek	WLA					
Diazinon Effective Date: November 3, 2003	<u>Chollas</u> <u>Creek</u> Diazinon	Numeric Targets (ua/L)	Margin of Safety (μα/L)	Waste Load Allocation (µg/L)]	None Specified
BPA:	WLAs Exposure					<u>November 3, 2010</u>
Attachment _A to		0.08	0.008	0.072	_	
No. R9-2002- 0123	Chronic	0.05	0.005	0.045		30 days after TMDL offective date
Resolution No. Investigation Order B9-2004-		<u>xposure</u> uration	Was	<u>te Load Allocation</u> (μg/L)	1	January 31 - Annually
0277		Acute		<u>0.072</u>		, and any
	<u> </u>	<u>hronic</u>		<u>0.045</u>		On going
	The WLAs are sha more than 1 time i	ared with other mun n any 3-year period	<u>icipal dischargers in</u> <u>-</u> e Creek in more th	the watershed and sh	nall not be exceeded	<u>Compliance Date to</u> <u>be determined when</u> there is an
	consecutive vea	rs. Caltrans. alon	<u>s Creek in more ti</u> a with other munic	<u>ian one sample in a</u> cipal dischargers, st	any three hall submit a report	Exceedance of the
	that either 1) do	cuments complia	nce with the WLA	through additional s	sampling of the urban	<u>WLA</u>
	the effectivenes	<u>, or 2) demonstra</u> s of additional BM	<u>tes, using modelir</u> IPs that will be imi	ig or other technica	I or scientific basis,	
	an implementati	on schedule.			<u></u>	
	Other Develop and imp	olement a monito	ring plan			
	Prepare and Sul period October	omit Annual Effect I through Septem	itiveness Report a Iber 30)	nd Annual Monitorii	ng Report (reporting	
	Municipal Coper MS4 permit and prohibitions	mittees to perforr Water Code Sec	n activities to redu tion 13267, compl	i ce diazinon discha y with MS4 permit a	rges pursuant to the and waste discharge	
Rainbow Creek	WLA					
Total Nitrogen and Total Phosphorus	Rainbow Cree	k WLAs for High	way Runoff			
Effective Date:	Nitro (I	ogen WLA (g N/yr)	Phos (phorus WLA kg N∕yr)		
March 22, 2006		118		11		December 31, 2009
PDA: Attachment		90		8		December 31, 2013
A to Resolution		59		5		December 31, 2017
No R9- 2005-0036		49		5		December 31, 2021
Resolution No. R9-2007-0036	Other Prepare and sub through Septem	January 31 of the year following the TMDL effective date				
	Implement Wate	er Quality Monitor	ing Plan <u>and subm</u> utrient WLAs in Ra	nit annual progress ainbow Creek (upor	<u>reports detailing</u> <u>n issuance of</u>	On going
	investigative Ord	der by the San Di	<u>ego Regional Boa</u>	<u>rd)</u>		Annually on January

<u>REVISED – August 18, 2011</u>											
TMDL		WLAs/Deliv	/erables/A	Action Re	quired	Compliance Date Due Date					
	Submit Annual	April 1 of each year until the nutrient water quality objectives are attained in Rainbow Creek.									
Chollas Creek Dissolved Copper, Lead and Zinc	WLA Chollas Creek	Interim Goals for ac	hieving <mark>Achi</mark>	eving WLA	s						
				vacadanaa	of the M/L Ac						
December 18,		(allowat	- <u>Allowabie E</u> ple percentac	xceeuance je above)	UI (IIU WLAS						
2008	Year	Copper	Lead	Zii	16						
RPA: Attachment	11	100%	1009	% 1	00%						
A to Resolution		20%	20	%	20%	December 18, 2009					
	20	0%	00	0/_	0%	December 18, 2018					
2007-0043			wable Exce	,. Andance of	the WI As	December 18, 2028					
Resolution No. R9-2007-0036	Compliance Year										
		Copper	Le	ad	Zinc						
	1	100 %	100	0 % 100 %							
	10	20 %	2.0	<u>)%</u>	20 %						
	20	0%	0	%	0%	April 1 of each year					
	Numeric Targe										
	Metal										
	<u>Copper</u>	(1) * (0.96) * {e^ [0.9] (hardness) - 1.700]}	94 <u>22 * In</u>	(1) * (0.9 (hardnes	96) * {e^[0.8545 * ln ss) - 1.702]}						
	<u>Lead</u>	<u>(1) * {1.46203 – [0.1</u> (hardness)]} * {e^ [1 (hardness) - 1.460]}	<u>45712 * In</u> .273 * In	(1) * {1.4 (hardnes (hardnes	<u>₩6203 – [0.145712 * In</u> <u>\$\$)]} * {e^[1.273 * In</u> <u>\$\$) - 4.705]}</u>						
	Zinc	<u>(1) * (0.978) * {e^ [0 (hardness) + 0.884]</u>	<u>.8473 * ln</u> }	(<u>1) * (0.9</u> (hardnes	986) * {e^[0.8473 * In ss) + 0.884]}	Annually					
	Hardness is expre Calculated conce The natural log ar	essed as milligrams per lite ntrations should have two s nd exponential functions are	<u>r.</u> significant figures e represented as	<u>s [40 CFR 131.</u> s "In" and "e," re	<u>38(b)(2)].</u> espectively.						
	The WLAs are sh 90% of the numer										
	Other Submit Annual	Progress Report									

TMDL		Compliance Date Due Date								
Project 1- Revised Twenty Beaches	WLA Wet & Dry Wea	None Specified								
and Creeks in the San Diego	Watershe	ed (Fecal C Wi	oliform LA	Enterococcus WLA				Mat we athem the	
Tecolote Creek)			Wet Weather	Dry Weather	Wet Weathe	er V	Dry Veather		<u>Wet weather: June</u> 22, 2021 if bacteria is only pollutant	
Effective Date: PendingJune 22, 2011	San Joaquin Hills / Laguna Hills HSAs (901.11 and 201.12)		179	θ	365		θ		addressed and June 22, 2031 if multiple pollutants are addressed.	
	Aliso HAS (90	1.13)	260	Ð	516		θ		Durante at here the second	
TMDL & Implementation	Dana Point H. ((01.14)	AS	13	θ	25		θ		<u>Dry weather: June</u> 22, 2021.	
Plan with Reference System	Lower San Ju HAS (901.27)	an	1,713	θ	2,823		θ			
Approach Provisions <u>A to</u> Besolution No	San Clemente (901.30)	HA	335	θ	635		θ			
<u>R9-2010-001</u>	San Luis Rey (901.00)	HU	1,513	θ	2,397		θ			
Resolution No. R9-2010-0001	<mark>San Marcos ⊧</mark> (904.50)	IA	8	θ	26		θ			
	San Dieguito (905.50)	HU	1,310	θ	2,288		θ			
	Miramar Reso HA (906.10)	rvoir	θ	θ	θ		θ			
	Scripps HA (906.30)		θ	0	θ		θ			
	Tecolote HA (906.5)		553	0	1,266		θ			
	Mission San Diego/Santee HSAs (907.11 907.12)	and	1,009	θ	2,430		θ			
	Chollas HAS (908.22)		892	θ	2,062	2,062 0				
	<u>Watershed</u>	<u>Fec</u>	al Coliform WLA		nterococc <u>WLA</u>	<u>us</u>	Total <u>V</u>	<u>Coliform</u> /LA		
		<u>Wet</u> <u>Weath</u>	er <u>Weat</u>	<u>/ Wea</u>	et <u>I</u> ther <u>We</u>	<u>Dry</u> ather	<u>Wet</u> <u>Weather</u>	<u>Dry</u> <u>Weather</u>		
	San Joaquin Hills/ Laguna Hills HSAs (901.11 and 901.12)	<u>179</u>	<u>0</u>	<u>36</u>	: <u>5</u>	<u>0</u>	7,722	<u>0</u>		
	Aliso HAS (901.13)	260	<u>0</u>	51	<u>6</u>	<u>0</u>	<u>11,003</u>	<u>0</u>	Within 18 months of permit effective date	
	Dana Point HAS ((01.14)	<u>vint</u> 1.14) <u>13</u>		2	5	<u>0</u>	<u>634</u>	<u>0</u>	Resolution No. R9- 2010-0001 (pages	
	Lower San Juan HAS (901.27)	<u>1,713</u>		2.8	23	<u>0</u>	<u>60,480</u>	<u>0</u>	A/U & A/1).	

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			<u>R</u>	EVISED	– August	<u>18, 2011</u>			
TMDL			WLA	s/Delivera	ables/Actio	on Requi	ired		Compliance Date Due Date
	<u>San</u> <u>Clemen</u> (901.30	<u>te HA</u>	<u>335</u>	<u>0</u>	<u>635</u>	<u>0</u>	<u>13,534</u>	<u>0</u>	
	<u>San Lui</u> <u>HU (901</u>	<u>s Rey</u> I. <u>00)</u>	<u>1,513</u>	<u>0</u>	<u>2,397</u>	<u>0</u>	<u>54,508</u>	<u>0</u>	October 4, 2012
	<u>San Ma</u> <u>HA (</u> 904	<u>rcos</u> 1.50)	<u>8</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>533</u>	<u>0</u>	As described in the BLRPs or CLRPs
	<u>San Die</u> <u>HU (905</u>	e <u>guito</u> 5.50)	<u>1,310</u>	<u>0</u>	<u>2,288</u>	<u>0</u>	<u>47,969</u>	<u>0</u>	
	Mirama Reservo (906.10	<u>r</u> bir HA)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>9</u>	<u>0</u>	
	<u>Scripps</u> (906.30	<u>HA</u>)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
	<u>Tecolote</u> (906.5)	<u>e HA</u>	<u>553</u>	<u>0</u>	<u>1,266</u>	<u>0</u>	<u>27,095</u>	<u>0</u>	
	Mission Diego/S HSAs (907.11 907.12)	San Santee and	<u>1,009</u>	<u>0</u>	<u>2.430</u>	<u>0</u>	<u>53,141</u>	<u>0</u>	
	<u>Chollas</u> (908.22	HAS	<u>892</u>	<u>0</u>	<u>2,062</u>	<u>0</u>	45,652	<u>0</u>	
	Other Bacteria acceptab Progress with othe Alternativ	Load Re le to the reports r municij o Comp	duction Pla San Diego submitted a pal discharc liance (TM	n (BLRP) or Water Boar <u>Is described</u> I <u>ers.</u> DL Implomo	Comprehens <u>d.</u> in BLRPs or ntation Milest	ive Load R <u>CLRPs and</u> r onos)	eduction Plan d may be subm	(CLRP) i <u>itted joint</u> l	LY.
Tijuana River and Trash & Sediment Solids, Trash, Turbi Effective Date: Pene	Estuary ^{dity} ^{ling}	WLA Annua Trash: Sedim	+WLAs for 12.1 tr ent: 11.3 tr	Freeway: e n/year en/year					None Specified
BPA: Attachment TP Implementation Plai Resolution No.	BPA: Attachment TMDL & Other Implementation Plan None Specified							None Specified	
Los Penasquitos L Sedimentation Sedimentation/Silta	WLA Sedimentation WLA is held jointly with multiple dischargers. Sedimentation/Siltation WLA is held jointly with multiple dischargers.						None Specified		
Effective Date: Pene	ling								
BPA: Attachment The Implementation Plan Resolution No.	ADL & 1								

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TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date								
Resolution No. Invest Order R9-2006-0076	tigative									

<u>REVISED – August 18, 2011</u> Attachment IVb – EPA Established TMDLs

R1- North Coast Regional Water Board

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date	
Albion River Sediment	WLA WLA for point sources is set at zero-net increase.	None Specified	
Effective Date: November 29, 2004	Other Sediment Load Allocation: Road surface erosion - 16 tons/mi ² /yr	December 2001	
December 2001) BPA: USEPA Established	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report	
Resolution No s. R1- 2004-0087 and R1- 2005-0013 <u>.</u>			
Big River Sediment	WLA WLA for point sources is set at zero net increase .	None Specified	
Effective Date: November 29, 2004 December 2001	<i>Other</i> <u>Sediment Load Allocation:</u> Road surface erosion: 12 tons/mi ² /yr. Road-related landslides: 20 tons/mi ² /yr.	December 2001	
BPA: <u>USEPA</u> Established Resolution No s. R1- 2004-0087 and R1-	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report	
2005-0013. Eel River, Lower	WLA		
HA Sediment <u>and</u> Temperature	WLA is held jointly with multiple dischargers. Temperature: Zero net Increase in receiving water temperature	None Specified December 18, 2007	
Effective Date: November 29, 2004 December 18, 2007	Sediment: Waste Load Allocation (WLA) is expressed as equivalent to the Load Allocations (LA).		
BPA: <u>USEPA</u> Established	<u>Episodic road sediment sources - 9 tons/mi²/yr.</u> Chronic road sediment sources - 17 tons/mi ² /yr.	<u>December 18, 2007</u> <u>December 18, 2007</u>	
Resolution No s. R1- 2004-0087 and R1- 2005-0013<u>.</u>	<i>Other</i> Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report	
Eel River, Middle Fork, Eden Valley and Round Valley HSAs Sediment <u>and</u> <u>Temperature</u>	WLA None Specified Sediment: Management –related sediment sources expressed by subwatershed in Table 7 of the Middle Fork Eel River Total Maximum Daily Loads for Temperature and Sediment.	None SpecifiedDecember 2003	
Effective Date: November 29, 2004 December 2003	<i>Other</i> Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report	

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
BPA: <u>USEPA</u> Established Resolution No s. R1- 2004-0087 and R1- 2005-0013.		
Eel River , Middle Main HA Sediment <u>and</u> Temperature	WLA <u>Sediment:</u> Waste <u>load</u> allocation is set at zero-net increase.	None Specified December 2005
Effective Date: November 29, 2004 <u>December</u> 2005 BPA: <u>USEPA</u> Established Resolution No s. R1-2004-0087 and R1-2005-0013.	Sediment Load Allocations: Road-related large features: 40 tons/mi ² /yr. Road-related small features: 60 tons/mi ² /yr. Temperature Load Allocations: 66% average shade for all tributary stream segments. Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	<u>December 2005</u> <u>December 2005</u> Annual Report
Eel River , North Fork HA Sediment <u>and</u> Temperature Effective Date: November 29, 2004 December 30, 2002 BPA: <u>USEPA</u> Established Resolution No s. R1-2004-0087 and R1-2005-0013.	WLA Waste allocation <u>Temperature : The WLA</u> is set at zero net increase. <u>Sediment:</u> Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	None SpecifiedDecember 30, 2002 Annual Report
Eel River, South Fork HA Sediment <u>and</u> Temperature Effective Date: November 29, 2004 December 16, 1999 BPA: <u>USEPA</u> Established Resolution Nos . R1- 2004-0087 and R1- 2005-0013.	 WLA <u>Temperature: None Specified</u> <u>Sediment:</u> The WLA is set at zero net increase as there are no permitted point sources of sediment discharge to the watershed. Other Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region. 	None Specified December 16, 1999 December 16, 1999 Annual Report
Eel River, Upper Main HA Sediment <u>and</u> <u>Temperature</u>	WLA Temperature: The WLA is set at zero-net increase. Sediment: Road-related sources: 14 tons/mi²/yr	None SpecifiedDecember 29, 2004

TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
Effective Date: NovemberDecember 29, 2004 BPA: <u>USEPA</u> Established Resolution No s. R1- 2004-0087 and R1- 2005-0013	<i>Other</i> Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	December 29, 2004 Annual Report
Garcia Gualala River Sediment Effective Date: March 16, 1998 BPA: 2001 Action Plan for the Garcia River Watershed Sediment TMDLDecember 2001 BPA: USEPA Established	WLA None Specified The WLA is set at zero. Other Comply with sediment waste discharge prohibitions -Sediment Load Allocation: Road-related landslides: 56 tons/mi²/yr. Road stream crossing failures: 5 tons/mi²/yr. Road-related gullies: 8 tons/mi²/yr. Road-related surface erosion: 7 tons/mi²/yr. Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	None SpecifiedDecember 2001 January 3, 2002 December 2001 Annual Report
Resolution No s. R1- 2001-072 .		
Gualala_ost Sediment River Nitrogen and Biochemical oxygen Demand to address Dissolved Oxygen and pH Impairments Effective Date: November 20	WLA The WLA is set at zero net increase Dissolved Inorganic Nitrogen: Reach 1: 0.1 metric tons/yr or 0.3 average kg/day. Reach 3: 0.1 metric tons/yr or 0.3 average kg/day. Carbonaceous Biochemical Oxygen Demand: Reach 1: 0.2 metric tons/yr or 0.5 average kg/day. Reach 2: 0.2 metric tons/yr or 0.5 average kg/day. Reach 3: 0.5 average kg/day. Other	None Specified December 30, 2008
2004 <u>December 30.</u> 2008	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report
for Klamath River TMDLs Addressing Temperature, Dissolved Oxygen, Nutrient, and Microcystin Impairments in the Klamath River in California and Lost River Implementation Plan. Resolution No s.	Assessment of fish migration barriers and potential barriers. Develop priority ranking and time schedule for modifying barriers.	<u>Annual Report</u>

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TMDL	WLAs/Deliverables/Action Required						Compliance Date Due Date
R1- 2004-0087 and R1-2005-0013<u>2010-</u> 0026							
Mad River Sediment and Turbidity	<i>WLAs</i> Total Sediment I	oad Allocatio	ons by Suba	reas			
Effective Date: December 21, 2007	Source	None SpecifiedDecember 21, 2007					
,	Source	Tons/mi ² /yr	Tons/mi ² /yr	Tons/mi ² /yr	Tons/mi ² /yr	Tons/mi ² /day	
BPA: <u>USEPA</u> Established	Management - Roads	28	279	57	174	0.5	
	Suspended Sedi	ment Load Al	location by	Subareas			
Resolution No s. R1- 2004-0087 and R1- 2005-0013.	Source	Upper Mad River	Middle Mad River	Lower Mad River	Basinwide Annual Load	Basinwide Daily Load	None Specified
		Tons/mi ² /yr	Tons/mi ² /yr	Tons/mi ² /yr	Tons/mi ² /yr	Tons/mi ² /day	December 21, 2007
	Management - Roads	23	251	54	158	0.4	
Mattole River Sediment Effective Date: November 29, 2004 December 30, 2003	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region. WLA The WLA is set at zero net increase. Other Sediment Load Allocation: Road-related mass wasting: 520 tons/mi ² /yr. Road stream						Annual Report December 20. 2003 None SpecifiedDecember 20, 2003
BPA: Resolution No s. R1- 2004-0087 and R1- 2005-0013<u>.</u>	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region						December 20, 2003
Navarro River Sediment <u>and</u> <u>Temperature</u> Effective Date: November 29, 2004 December 27, 2000 BPA: <u>USEPA</u> Established Resolution No s. R1- 2004-0087 and R1- 2005-0013.	WLA Temperature: The WLA is set at zero. Sediment: WLA is set at zero. Other Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region					None specified December 27, 2000 Annual Report	
Sediment	None specified Th	e WLA is set a	at zero				None Specified December 16, 1999

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TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
Effective Date: November 29, 2004 December 16, 1999 BPA: <u>USEPA</u> Established Resolution No s. R1- 2004-0087 and R1- 2005-0013	Other Sediment Load Allocation: Road-related load allocation: 68 tons/mi ² /yr. Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region	<u>December 16, 1999</u> Annual Report
Redwood Creek Sediment Effective Date: November 29, 2004 December 30, 1998 BPA: USEPA	WLA None specified The WLA is set at zero Other Sediment Load Allocation: Roads, landings, and skid trail erosion: 110 tons/mi²/yr. Road-related tributary landslides: 70 tons/mi²/yr. Sediment inventory, prioritization, scheduling, implementation, monitoring, and	None Specified December 1998
Established Resolution No.– R1- 2004-0087 and R1-2005-0013	adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region Promote and facilitate cooperative public-private implementation and monitoring efforts. Clarify focus on potential erosion sites as well as exiting sites. Comprehensive monitoring plan.	Annual Report None Specified None Specified
Ten Mile River Sediment Effective Date: November 29, 2004 December 2000 BPA: USEPA	WLAs None-Specified The WLA is set at zero. Other Sediment Load Allocation: Road landsliding: 9 tons/mi²/yr. Road surface erosion: 33 tons/mi²/yr.	None Specified None Specified 2000
Established Resolution No s. <i>R1-</i> 2004-0087 and <i>R1-2005-0013</i>.	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region.	Annual Report
Trinity River, Lower and Middle and Upper HAS Sediment Effective Date: November 29, 2004 December 20, 2001 BPA: <u>USEPA</u> Established	WLA None-Specified Total Management WLAs are listed by subwatersheds within four assessment areas in Tables 5-2, 5-3, 5-4, and 5-5 of the Trinity River Total Maximum Daily Load for Sediment (USEPA, 2001). Other Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region	None SpecifiedDecember 20, 2001
Resolution No . R1- 2004-0087 and		

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TMDL	WLAs/Deliverables/Action Required	Compliance Date Due Date
R1-2005-0013		
Trinity River, South Fork HA Sediment	WLA None Specified The WLA is set at zero.	None Specified December 30, 1998
Effective Date: November 29, 2004 December 1998	Other Sediment Load Allocation: Road-related mass wasting: 16 tons/mi ² /yr. Road surface erosion: 11 tons/mi ² /yr. Road washouts, gullies, and small slides: 6 tons/mi ² /yr.	<u>December 30, 1998</u>
BPA: Amendment to Include Introductory Language on TMDLs	Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region	Annual Report
Resolution No s. R1- 2004-0087 and R1- 2005-0013<u>.</u>		
Van Duzen River and Yager Creek Sediment	WLA None Specified The WLA is set at zero.	None Specified December 16, 1999
Effective Date: November 29, 2004 December 16, 1999 BPA: Amendment to Include Introductory Language on TMDLs	<i>Other</i> Sediment Load Allocation: Upper Basin Road LA: 7 yds ³ /mi ² /yr. Middle Basin Road LA: 22 yds ³ /mi ² /yr. Lower Basin Road LA: 20 yds ³ /mi ² /yr. Sediment inventory, prioritization, scheduling, implementation, monitoring, and adaptation steps as described in the Region Specific Requirements (Attachment V) for the North Coast Region	<u>December 16, 1999</u> Annual Report
Resolution No s. R1- 2004-0087 and R1- 2005-0013<u>.</u>		

<u>REVISED – August 18, 2011</u> <u>Attachment IVb – EPA Established TMDLs</u>

R4- Los Angeles Regional Water Board

TMDL		WLAs/Delivera	bles/Action F	<u>Required</u>		Compliance Date Due Date	
San Gabriel River Metals Effective Date: March 26, 2007 BPA: USEPA Established	WLAs Grouped dry-weather permits. Allocations sources to be express are insufficient to as Wet-weather WLAs Wet-weather allocation						
	Gabriel River Reach impaired reaches du Wet-weather WLA f	None Specified					
	Percent Area	<u>Lead All</u>	ocations	Mass-bas Values			
	Notes: (1) Concentration-based a (2) Stormwater allocations table are based on a flow of (3) In San Gabriel River R or greater than 260 cfs as Whittier Narrows Dam.						
	Wet-weather WLAs	for Copper, Lead, Copper	and Zinc in Coy Lead	<u>vote Creek</u> Zinc		None Specified	
	<u>91.5%</u>	<u>9.41 kg/d</u>	<u>36.9 kg/d</u>	<u>55.0 kg/d</u>			
	Notes: (1) Concentration-based allocations apply to non-stormwater NPDES discharges (2) Stormwater allocations are expressed as a percent of load duration curve. Mass-based values presented in table are based on a flow of 156 cfs (daily storm volume = 3.8 x 10 ⁹ liters). (3) In Coyote Creek, wet-weather TMDLs apply when the maximum daily flow in the creek is equal to or greater than 156 cfs as measured at LACDPW flow gauge station F354-R, located at the bottom of the creek, just above the Long Beach WRP. ±						
	Dry-weather WLAs Dry-weather allocations are assigned to sources that discharge directly to the estuary and to upstream sources that discharge indirectly to the estuary via San Gabriel River Reach 1 and Coyote Creek. The dry-weather storm water allocation is shared by the MS4 permittees and the Department.						
	Dry-weather Copper Waste Load Allocation (total recoverable metals)						
	MS4s, including						
	Dry-weather Coppe	None Crestfield					
	MS4s, including t Department	<u>he</u> 1	<u>8 ug/l</u>	0.941	<u>kg/d</u>		

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тмрі	WI As/Deliverables/Action Required	Compliance Date Due Date
	Notes: (1) The median non-WRP Coyote Creek flow is equal to 19 cfs. measured at LACDPW Station F354-R. A mass-based loading capacity of 0.943 kg/d was calculated by multiplying the target of 20 ug/l by by the median non-WRP flow. The dry-weather stormwater allocation of 0.941 kg/d was assigned after accounting for potential loadings from direct atmospheric deposition.	
	Drγ-weather Selenium Waste Load Allocation (total recoverable metals) Point Sources San Jose Creek Reach 1 and Reach 2	None Specified
	<u>MS4s, including the Department</u> <u>5.0 ug/l</u> <u>Other</u>	
	Dry-weather TMDL Effectiveness Monitoring The storm water NPDES permittees, including the Department, will be found to be effectively meeting the dry-weather waste load allocations if the in-stream pollutant concentration or load at the first downstream TMDL effectiveness monitoring location is equal to or less than the corresponding concentration- or load-based waste load ellegation. Alternatively, effectiveness of the TMDL mey be presented at the sterm drain	None Specified
	<u>outlet based on the numeric target for the receiving water. For storm drains that</u> <u>discharge to other storm drains, effectiveness will be based on the waste load allocation</u> for the ultimate receiving water for that storm drain system. The final dry-weather <u>monitoring stations shall be located in San Jose Creek Reach 1 and the Estuary. At a</u> <u>minimum the sampling frequency should be sufficient to generate enough samples to</u> <u>evaluate status of the waterbody relative to the State Board listing policy.</u>	
	Wet-weather TMDL Effectiveness Monitoring The storm water NPDES permittees, including the Department, will be found to be effectively meeting wet-weather waste load allocations if the load at the downstream monitoring location is equal to or less then the loading capacity identified in the TMDL. For practical purposes, this is when the EMC for a flow-weighted composite is less than or equal to the numeric target. Responsible agencies shall sample at least 4 wet- weather events where flow meets wet-weather conditions (260 cfs in San Gabriel River Reach 2 and 156 cfs in Coyote Creek) in a given storm season (November to March). Final wet-weather TMDL effectiveness monitoring stations may be located at the existing LACDPW mass emission sites in San Gabriel Reach 2 and Coyote Creek or at other locations approved by the Regional Board Executive Officer.	
Santa Clara River Reach 3 Chloride Effective Date:	WLAs Chloride Waste Load Allocation is applicable to discharges directly to Reach 3, discharges to tributaries to Reach 3, and to discharges from Reach.	
<u>June 18, 2003</u> BPA: USEPA Established	Chloride WLA Point Source WLAs (mg/L) Department 80	None Specified
Malibu Creek Nutrients Effective Date: March 21, 2003 BPA: USEPA Established	WLAs The WLAs apply to all discharges of runoff from developed areas, including the Department highways and facilities, to listed segments and to upstream, hydrologically connected segments within the Malibu Creek watershed. This means that WLAs apply both to discharges to segments for which TMDLs are established, as well as to discharges to segments that are tributary to the segments for which TMDLs are established.	None Specified

TMDL		WLAs/Deliverables/Action Re	equired	Compliance Date Due Date
	Winter conc	entration-based nitrogen allocation		None Specified
	8 mg/l (Nitrat	e-Nitrogen + Nitrite-Nitrogen)*		
	*Applicable fi			
	FPA was una	able to specifically distinguish the amounts of r	collutant loads from allocation	
	categories as			
	allocations for			
	Summer nit	rogen and phosphorus allocations for runo	ff from developed areas	None Specified
	(ID/day) Total Nitrogo			
	Total Phosph			
	<u>*Notes:</u> (1) Applicable from	om April 15-November 15		
	(2) Based on lon	g-term (1998-2001) median summer flow value at the Malib	u Creek gauging station (below Cold	
	Creek, LACP	WD site #F130-R) during the summer season of 5.2 cfs mu ets of 1.0 mg/l total nitrogen and 0.1 mg/l total phosphorus.	Itiplied by the concentration-based	
	<u>Other</u>			
	Monitoring of	pollutant sources is needed to ensure that rec	quired reductions are being	None Specified
	achieved and	if necessary, to refine the allocations present	ed in these TMDLs.	
Los Cerritos	<u>WLAs</u>			
Channel Motale		lated MS4 discharges from multiple point cour	was are allowed to be	
<u>IVIEIAIS</u>	expressed as	a single categorical WI A when data and info	rmation are insufficient to	
Effective Date:	assign each	source or outfall an individual allocation.		
<u>March 17, 2010</u>				
	Dry-weather	mass-based WLA for Copper (total recove	rable metals)	None Cresified
BPA: USEPA	<u>P</u>	<u>Pollutant</u> <u>The Department</u>	ent*	None Specified
Established		Copper <u>1.0 grams/da</u>	ay	
	*Based on 140 a	cres of land area. The area of the Department' right-of-way	that drains to the portion of Los mately 0.79% of the Watershed) This	
	percentage does stormwater perm	not represent all of the Watershed area that the Department it; park and ride facilities and maintenance vards are not include	nt is responsible for under its cluded in the estimate.	
	Wet-weather	r Waste Load Allocations (total recoverable	e metals)*	
	Motol	The Depentment (v/dev)	The Department	None Specified
		<u>The Department (g/day)</u>	<u>(q/day)**</u>	
	Copper	0.070 * daily storm volume (L) * 10^{-6}	<u>6.8</u>	
	Lead	0.397 * daily storm volume (L) * 10^{-6}	<u>38.9</u>	
	Zinc	<u>0.680 * daily storm volume (L) * 10⁻⁶</u>	<u>66.7</u>	
	*Notes: (1) The wet-weat within the Los			
	(2) **Based on d Watershed.			
	Other			
	Responsible			
	weather cond	None Specified		
	storm seasor	<u>ı.</u>		
	Typically, mo	nitoring options to assess whether the stormw	vater NPDES permittees are	
	effectively me	eeting their waste load allocations include: 1) i	f the in-stream pollutant	None Specified
	concentration	n or load at the first downstream effectiveness	monitoring location is equal	
	2) if sampling	n the corresponding concentration- or load-bases at the storm drain outlet shows that the nume	sed waste load allocation of:	
	water is bein	g met.	she target for the receiving	

<u>REVISED – August 18, 2011</u> <u>Attachment IVb – EPA Established TMDLs</u>

R8- Santa Ana Regional Water Board

TMDL	WLAs/Deliverables/Action Required					Compliance Date Due Date		
San Diego Creek Selenium	WLA WLA is held jointly with multiple dischargers.					None Specified		
Effective Date: June 14, 2002								
BPA: USEPA Established								
Resolution No.								
R8 - Newport Bay and San Diego Creek	WLA							
Metals	Metals Mass-based All	ocation Schemes fo	r Metals in N	Newport Bay		June 14. 2002		
Effective Date: June 14, 2002	Allocatio	on Copper e (lbs/yr)	Zinc (lbs/yr)	Lead (lbs/yr)	Cadmium* (Ibs/yr)			
BPA: USEPA Established	WLA	423	22,866	2,171	1,185			
 Resolution No.	* Values app volume.	ly to Upper Bay only	(estimated	as 40% of N	lewport Bay			
	If the Departme	nt discharges direct ased WLAs apply.	ly to Newpo	rt Bay the fol	lowing	June 14, 2002		
	Metal	Dissolved Saltw	vater	Dissolved S	Saltwater			
		Acute WLAs (μ	g/L) (Chronic WL	As (μg/L)			
	Cadmium	42		9.3				
	Copper	4.8		3.1				
	Zinc	210		8.1				
1				01				
Rhine Channel (Newport Bay)	WLA							
Effective Date:	Me	ercury	Cł	hromium		June 14, 2002		
June 14, 2002 BPA: USEPA Established	WLA % of Total WLA % of Total (kg/yr) Load (kg/yr) Load				Total ad			
Resolution No.	0.0027 3 0.89 3							
Newport Bay, San Diego	Note: The term "	organochlorine compo	unds" include	s: the phrase '	organochlorine			
Creek and Rhine Channel Organochlorine <u>Compounds</u>	pesticides and the following pollutants: DDT, chlordane, dieldrin, and toxaphene. WLA							
Effective Date:	San Diego Cre	ek Watershed Allo	cations					
pune 14, 2002								

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		REVISE	<u>ED – August</u>	<u>: 18, 2011</u>		
TMDL	V	Compliance Date Due Date				
BPA: USEPA Established Resolution No.	DDT - including Dicofol	Chlordane	Dieldrin	PCBs	Toxaphene	June 14, 2002
	(g/yr) 8.7	(g/yr) 6.3	(g/yr) 5.2	(g/yr) 42.3	(g/yr) 0.2	
	Upper & Lowe	er Newport Bay DDT - including Dicofol (g/yr)	y Allocations Chlordane (g/yr)	Dieldrin (g/yr)	PCBs (g/yr)	June 14, 2002
	Lower	0	0	0	4.10	
	Bay					