

Table 4-4c 1994-2001 Comparison of Mass Emissions Annual Mean Concentrations to Objectives by Site

Class Constituent	Ballona Creek *								Malibu Creek *								Los Angeles River *								Coyote Creek								San Gabriel River *								Grand Total
	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	Total	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	Total	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	Total	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	Total	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	Total				
Total Rainfall (in.)	14.76	^	11.18	28.28	9.48	10.59			35.41	17.9	9.22	37.51	8.48	17.24			10.5	6.17	17.8	6.34	7.98			^	6.06	23.03	6.64	5.29			13.11	8	28.8	6.2	12.41						
Cyanide	~	~	~	~	~	~	X	1	~	~	~	X	~	~	X	2	~	~	~	X	~	X	2	~	~	~	~	~	NS		X	X	X	X	~	X	5	10			
Total Coliform	X	X	X	X	X	X	X	7	X	X	X	X	X	X	X	7	X	X	X	X	X	X	6	X	NS	NS	NS	NS	X	2	X	X	X	X	X	X			6	28	
Fecal Coliform	X	X	X	X	X	X	X	7	X	X	X	X	X	X		6	X	X	X	X	X		5	X	NS	NS	NS	NS		1	X	X	X	X	X			5	24		
**Fecal Streptococcus																								NS	NS	NS	NS														
Fecal Enterococcus	X	X	~	~	X	X	X	5	X	X	~	~	X	X	X	5	X	~	~	X	X	X	4	X	~	~	~	~	X	2	X	~	~	X	X	X			4	20	
Total Dissolved Solids	~	~							~	~	~	X	X	X	4				X			1	X			X	X		3	X	X		X	X	X			5	13		
Turbidity	~	~		X	X			2	~	~	~	X	X	X	4		X		X	X	X	5	X		X	X		X	4			X		X			2	17			
**Total Suspended Solids	~	~							~	~	~																														
**Dissolved Phosphorus	~	~							~	~	~																														
**Total Phosphorus	~	~							~	~	~																														
NH3-N	~	~							~	~	~																														
Nitrate-N	~	~							~	~	~																														
Nitrite-N	~	~							~	~	~	~	~	~	~																										
**TKN	~	~							~	~	~																														
Total Aluminum	~	~	~	X				1	~	~	~	X			1	~	X	X	X			3	~	X	X			2	~		X						1	8			
Dissolved Cadmium	~	~	~	~	~	~	~		~	~	~		~	~	~		~	~	X	~	~	~	1	~	~		~	~	~	~	~	~	~	~	~	~	~	~	1	1	
Dissolved Copper	~	~		X	X	X	X	4	~	~	~	X	~	X	~	2	X	X	X	X	X	X	6	X		X	X	X	5	~		X	~	~	~	~	~	1	18		
Total Copper	~	~		X	X	X	X	4	~	~	~	X			1	X	X	X	X	X	X	6	X	X	X	X		4	X	X	X						3	18			
Dissolved Lead	~	~	~	X	~	~	~	1	~	~	~	~	~	~	~		X	X	X	~	X	~	4	~		X	~	~	~	~	~	~	~	~	~	~	~	1	7		
Total Lead	~	~	X	X				2	~	~	~	X	~	~	~	1	X	X	X	X	X	6	X	X	X	~	~	~	3	~	X	X	~	~	~	~	~	2	14		
Total Mercury	~	~	X	~	~	~	~	1	~	~	~	~	~	~	~		~	~	~	~	~	~		~	~	~	~	~		~	~	~	~	~	~	~	~	1			
Dissolved Nickel	~	~		X	~	~		1	~	~	~	X			1			X				1	~	~		~	~	~		~	~	~	~	~	~	~	~	~	3		
Nickel	~	~							~	~	~	X		~	1	X		X				2						~									~	3			
Dissolved Zinc	~	~		X		~		1	~	~	~		~	~				X		~	~	1		~	X		~	1	~	~	X		~	~	~	~	1	4			
Total Zinc	~	~	X	X	X			3	~	~	~	X	~	~	~	1	X	X	X	X		4	X	X	X			3		X	X		~	~	~	~	~	2	13		
Bis(2-ethylhexyl)phthalate	~	~	X	X	X	~	NS	3	~	~	~	X	X	X	X	4	X	X	X	~	~	NS	3	X	X	X	X	~	NS	4	X	X	X	~	~	NS	3	17			
Phenanthrene	~	~	~	~	~	~	NS		~	~	~	~	~	X	~	1	~	~	~	~	~	NS		~	~	~	~	NS		~	~	~	~	~	NS		1				
Pyrene	~	~	~	~	~	~	NS		~	~	~	~	~	X	~	1	~	~	~	~	~	NS		~	~	~	~	NS		~	~	~	~	~	NS		1				
**Diazinon	~	~							~	~	~				~		~	~	~			~		~	~	~	~	~		~	~	~	~	~	~	~	~	~			
**Chlorpyrifos	~	~							~	~	~				~		~	~	~			~		~	~	~	~	~		~	~	~	~	~	~	~	~	~			
Total	3	3	6	12	8	5	6		3	3	2	13	6	9	6		11	9	14	11	8	7		10	5	9	5	2	4		7	8	12	5	5	4		221			

X = Greater than objective. Except for indicator bacteria, there are no numerical water quality standards that apply to stormwater or "non-point source" pollution. Current federal and state numerical standards apply only to "point source pollution," such as sanitary sewage, industrial and commercial discharges to the ocean, and other waterbodies.

Water quality standards described in the 1995 Los Angeles Region Basin Plan or the 1997 California Ocean Plan do not apply to stormwater runoff, and any exceedance of values should not indicate violation nor noncompliance with the plans. Furthermore, a direct comparison of the sampling results with the Ocean Plan standards cannot be made since the results presented in the table are detected values before dilution, a factor allowed by the Ocean Plan.

* Required by Permit

** Constituents have no objectives, but they are either included due their exceedance of AB411, or identified as stormwater toxicity in independent studies, or identified by the 303(d) list.

^ Rain gage not active

~ Statistically invalid data, not enough samples or data above detection limit collected

NS = Not Sampled

Blank = No Exceedence