



RB-AR 6243

Outfall Chemistry Results

2/19/2013		# sites excee	1	2	3	4	5
CA OP Inst							
Ammonia as N	6						
Arsenic	80						
Cadmium	10						
Chromium	20						
Copper	30	4			63.557	30.469	
Lead	20						
Mercury							
Nickel	50						
Selenium							
Silver							
Zinc	200	1					
3/8/2013			1	2	3	4	5
CA OP Inst							
Ammonia as N	6	1					
Arsenic	80						
Cadmium	10	1					
Chromium	20	3			23.8781		
Copper	30	5			41.556		
Lead	20	1					
Mercury							
Nickel	50	1					
Selenium							
Silver							
Zinc	200	1					
2/28/2014			1	2	3	4	5
CA OP Inst							
Ammonia as N	6						
Arsenic	80						
Cadmium	10						
Chromium	20	4			75.3533	20.632	
Copper	30	3			109.663		
Lead	20	1			71.7821		
Mercury							
Nickel	50	1			91.1114		
Selenium							
Silver							

Zinc	200	1		454.8282		
12/1/2014			1	2	3	4 5

	CA OP Inst	
Ammonia as N	6	
Arsenic	80	
Cadmium	10	
Chromium	20	
Copper	30	1
Lead	20	
Mercury		
Nickel	50	
Selenium		
Silver		
Zinc	200	

Elevated Chromium Copper Nickel	Elevated Chromium Copper
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SUMMARY	Number or Exceedances	Zinc
Ammonia as N	1	
Arsenic		
Cadmium	1	
Chromium	7	
Copper	13	
Lead	2	
Mercury		
Nickel	2	
Selenium		
Silver		
Zinc	3	

	CA OP Inst	Average concentration at Station 28
Ammonia as N	6	
Arsenic	80	
Cadmium	10	
Chromium	20	
Copper	30	
Lead	20	

Mercury	
Nickel	50
Selenium	
Silver	
Zinc	200

8 11 13 16 18 21 22 23 24

84.928 266.162

269.0515

8 11 13 16 18 21 22 23 24

39.2081
33.872

35.044 116.98

8 11 13 16 18 21 22 23 24

23.607

56.105 84.921

8

11

13

16

18

21

22

23

24

Elevated
Chromium
Copper

Elevated Elevated
Copper Copper
 Zinc

25 26 27 28 29 30 31 24-BB-02Z 24-BB-03Z

25 26 27 28 29 30 31 24-BB-02Z 24-BB-03Z

7.8

10.9524
32.3596
198.495
46.2982

77.0818

800.687

25 26 27 28 29 30 31 24-BB-02Z 24-BB-03Z

22.7594

25

26

27

28

29

30

31 24-BB-02Z 24-BB-03Z

43.64

Elevated
Ammonia as N

Cadmium
Chromium
Copper

Elevated
Chromium
Copper

Lead
Nickel
Zinc

Date	ASBS Number	ASBS	Ssampling Agency	Nearest Discharge
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OP Instantaneous Max

Discharge

4/14/2006	24	Laguna Point to Latigo Point	LA County	MUG 011
4/14/2006	24	Laguna Point to Latigo Point	CalTrans	MUG 011
	24	Laguna Point to Latigo Point	Los Angeles County	MUG122
3/28/2006	24	Laguna Point to Latigo Point	CalTrans	MUG 011
3/2/2004	24	Laguna Point to Latigo Point	SWRCB	MUG 370
3/2/2004	24	Laguna Point to Latigo Point	SWRCB	MUG 370
3/2/2004	24	Laguna Point to Latigo Point	City fo Malibu	MUG 226
	24	Laguna Point to Latigo Point	Los Angeles County	MUG122
3/2/2004	24	Mugu Lagoon to Latigo Point	City of Malibu	MUG 226

Natural Background 85%

Ocean

4/14/2006	24	Laguna Point to Latigo Point	LA County	MUG 011
3/28/2006	24	Laguna Point to Latigo Point	CalTrans	MUG 011
4/14/2006	24	Laguna Point to Latigo Point	CalTrans	MUG 011
4/14/2006	24	Laguna Point to Latigo Point	CalTrans	MUG 002
3/2/2004	24	Mugu Lagoon to Latigo Point	SWRCB	MUG 371
3/28/2006	24	Mugu Lagoon to Latigo Point	CalTrans	MUG 002

Stream

3/5/2004	24	Laguna Point to Latigo Point	SWRCB	MUG234
3/2/2004	24	Mugu Lagoon to Latigo Point	SWRCB	MUG 371

Waterbody	Description	Arsenic ug/L	Cadmium ug/L	Chromium m ug/L	Copper ug/L	Lead ug/L
		80	10	20	30	20
discharge	Storm Drain	1	0.2	1	1	1
discharge	Edge of Pavement Time Composit	1.6	0.25	4	25	3.3
discharge	ocean water influenced by drainağ	5.32	0.38	7.01	3.36	0.88
discharge	Edge of Pavement Time Composit	3.8	0.44	13	15	7.5
discharge	storm drain Zuma Bay Westward I	7.75	0.45	31.2	59.1	3.26
discharge	storm drain Zuma Bay Westward I	7.69	0.52	31.7	60.6	3.2
discharge	storm drain east of El Matador Be	3.98	0.59	97	31.5	6.18
discharge	unknown drains east of El Pescador stairs, west of La Piedra					
discharge	storm drain east of El Matador Be	3.94	0.6	95.8	31.4	6.37
		1.8	0.15	1.9	1.5	0.5
ocean receiving water	Receiving Water	5	1	5	5	5
ocean receiving water	CalTrans Receiving	51 <1		<5	10	<5
ocean receiving water	CalTrans Receiving	58 <1		<5	20	<5
ocean background water	Background Seawater Grab	60 <1		<5	21	<5
ocean receiving water	ocean water at mouth of Zuma cr	4.82	0.04	4.63	0.26	0.08
ocean background water	Background Seawater Grab					
stream	Trancas Creek	3.8	0.13	17	5.74	0.13
stream	Zuma Creek Lagoon (surf sample 5	2.06	0.31	1.85	0.74	0.11

Mercury ug/L	Nickel ug/L	Selenium ug/L	Silver ug/L	Thallium ug/L	Zinc ug/L	NH3N mg/L
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0.4 50 150 7 2 200 6000

ND

<0.2

0.07

<0.2

<0.05

<0.05

<0.05

<0.05

0.0006 1.3 0.0025 0.08 none 18.6 0.015

ND

<0.2

<1

<0.2

0.01

<0.05

0.02

Agenda State Board on ASBS and Compliance Plan for NSBM

July 25, 2016

1. What data have been collected for ASBS 24
2. What are the Ocean Plan requirements for MS4 discharges
3. Data evaluation by State Board
4. Review of 2015 ASBS Compliance Plan