

**Appendix B**  
**Supporting Data**  
**2010 PLOO Stations**  
**Water Quality**



## Appendix B.1

Summary of samples with elevated (bold) total coliform (>10,000 CFU/100 mL), fecal coliform (>400 CFU/100 mL), and/or enterococcus (>104 CFU/100 mL) densities collected at PLOO shore stations during 2010. Bold fecal:total coliform (F:T) values indicate samples which meet the FTR criterion for contamination (i.e., total coliform>1000 CFU/100 mL and F:T>0.10).

Station	Date	Total	Fecal	Entero	F:T
D11	07 Feb 2010	<b>&gt;16,000</b>	320	<b>600</b>	0.02
D8	11 Oct 2010	no data	400	<b>110</b>	—
D12	17 Oct 2010	20	8	<b>110</b>	0.40
D5	23 Oct 2010	1000	110	2	0.11
D7	23 Oct 2010	200	240	<b>680</b>	1.20
D10	22 Nov 2010	1200	80	<b>110</b>	0.07
D4	22 Dec 2010	5400	300	<b>220</b>	0.06
D5	22 Dec 2010	2200	260	<b>520</b>	<b>0.12</b>
D7	22 Dec 2010	1000	120	<b>360</b>	0.12
D8	22 Dec 2010	1600	200	<b>300</b>	<b>0.13</b>
D10	22 Dec 2010	400	20	<b>140</b>	0.05
D11	22 Dec 2010	400	60	<b>320</b>	0.15
D12	22 Dec 2010	1200	100	<b>600</b>	0.08

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## Appendix B.2

Summary of samples with elevated (bold) total coliform (> 10,000 CFU/100 mL), fecal coliform (> 400 CFU/100 mL), and/or enterococcus (> 10<sup>4</sup> CFU/100 mL) densities collected at PLOO kelp bed stations during 2010. Bold fecal:total coliform (F:T) values indicate samples which meet the FTR criterion for contamination (i.e., total coliform > 1000 CFU/100 mL and F:T > 0.10).

Station	Date	Depth (m)	Total	Fecal	Enterococcus	F:T
A1	05 Mar 2010	1	1000	100	14	0.10
A1	22 Mar 2010	18	92	8	<b>3000</b>	0.09
C4	22 Mar 2010	3	2	2	<b>140</b>	1.00
A6	07 May 2010	1	400	2	<b>180</b>	0.01
A7	07 May 2010	1	no data	2	<b>700</b>	—
A7	23 Aug 2010	12	2	2	<b>200</b>	1.00
A7	06 Nov 2010	1	<b>14,000</b>	200	2	0.01

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## Appendix B.3

Summary of samples with elevated enterococcus (> 104 CFU/100 mL) densities collected at PLOO offshore stations during 2010. Values are expressed as CFU/100 mL.

Station	Date	Depth (m)	Enterococcus
F19	12 Mar 2010	60	280
F30	12 Mar 2010	60	300
F30	12 Mar 2010	80	140
F30	12 Mar 2010	98	280
F26	04 May 2010	60	400
F30	06 May 2010	80	380
F30	06 May 2010	98	130
F30	12 Aug 2010	60	110
F31	12 Aug 2010	60	180
F32	12 Aug 2010	60	120
F33	12 Aug 2010	60	920
F30	03 Nov 2010	80	300
F30	03 Nov 2010	98	220
F31	03 Nov 2010	80	240
F31	03 Nov 2010	98	200

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## Appendix B.5

Summary of compliance with the 2005 California Ocean Plan water contact standards for PLOO shore, kelp bed, and offshore stations from August 1–December 31, 2010. The values reflect the number of times per month that each station exceeded various total coliform, fecal coliform, and enterococcus bacterial standards (see Chapter 3; Box 3.1).

### 30-day Geometric Mean Standards

Month	Shore Stations							
	D4	D5	D7	D8	D9	D10	D11	D12
<b><i>Total Coliform</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
<b>Percent Compliance</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b><i>Fecal Coliform</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
<b>Percent compliance</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b><i>Enterococcus</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	4	0
<b>Percent compliance</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>98%</b>	<b>100%</b>

## Appendix B.5 *continued*

### Single Sample Maximum Standards

Month	Shore Stations							
	D4	D5	D7	D8	D9	D10	D11	D12
<b><i>Total Coliform</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b><i>Fecal Coliform</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b><i>Enterococcus</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	1	1	0	0	0	1
November	0	0	0	0	0	1	0	0
December	2	1	1	1	0	2	2	1
<b>Total</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>2</b>
<b><i>Fecal/Total Coliform Ratio (FTR)</i></b>								
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	1	0	1	0	0	0	0
<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



