

## APPENDIX A. FECAL COLIFORM SAMPLING DATA

### Soquel Creek Water Quality Data for Sampling Stations S0, S04, S07, S23, S2315, and S6 Used in FECIA Analysis (see sampling station codes at end of tables)

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
01/06/03	190	02/17/05	520	01/28/03	637	1/21/04	50	06/16/03	160	01/13/03	100		
01/06/03	10000	02/23/05	190	03/12/03	98	3/9/04	20	06/19/03	92	02/10/03	240		
01/22/03	210	03/01/05	230	03/27/03	110	3/23/04	3010	03/30/04	480	03/12/03	60		
01/27/03	350	03/10/05	60	04/30/03	693	3/25/04	1220	05/13/04	100	04/08/03	290		
02/03/03	370	03/16/05	250	05/28/03	272	3/30/04	340	02/17/05	40	05/12/03	560		
02/10/03	1460	03/22/05	3100	06/25/03	216	4/26/04	160	02/23/05	40	06/09/03	180		
02/18/03	420			07/23/03	213	5/13/04	210	03/01/05	60	07/07/03	90		
02/24/03	2660			08/25/03	488	6/15/04	680	03/16/05	20	09/09/03	40		
03/03/03	760			09/23/03	269	6/16/04	420	03/22/05	7920	10/14/03	140		
03/17/03	710			10/21/03	146	6/24/04	200	04/06/05	50	11/10/03	610		
03/24/03	930			11/20/03	292	7/19/04	520	04/19/05	55	12/08/03	70		
04/01/03	880			12/18/03	109	8/2/04	330	05/10/05	50	01/12/04	90		
04/07/03	450			05/13/04	40	8/18/04	40	05/25/05	90	02/09/04	30		
04/21/03	600			02/17/05	640	9/21/04	120	06/06/05	300	03/08/04	60		
04/29/03	320			02/23/05	130	2/17/05	40	06/21/05	120	04/13/04	130		
05/05/03	90			03/01/05	170	2/23/05	10	07/11/05	124	04/23/04	150		
05/12/03	40			03/16/05	150	3/1/05	40	08/04/05	130	05/10/04	230		
05/19/03	490			03/22/05	4410	3/10/05	70	08/18/05	240	06/08/04	40		
05/27/03	410			04/01/05	60	3/16/05	40	08/30/05	160	06/17/04	40		
06/02/03	540			04/06/05	50	3/22/05	6700	09/12/05	100	07/12/04	36		

<sup>1</sup> Fecal Coliform Concentration (#/100ml)

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at SO7	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
06/09/03	640			04/19/05	30	4/6/05	20	09/28/05	160	08/11/04	70		
06/16/03	630			05/10/05	420	4/11/05	130	10/12/05	25	09/14/04	170		
06/23/03	530			05/17/05	230	4/19/05	25	10/24/05	80	10/12/04	200		
06/30/03	570			05/25/05	150	4/25/05	16	11/15/05	205	11/09/04	60		
07/07/03	2020			06/01/05	201	5/6/05	216	11/28/05	90	12/13/04	30		
07/14/03	500			06/06/05	180	5/10/05	140	12/13/05	50	01/10/05	40		
07/21/03	610			06/15/05	532	5/17/05	230	12/29/05	80	02/07/05	50		
07/28/03	260			06/21/05	600	5/17/05	230	01/11/06	60	03/08/05	80		
08/19/03	670			06/28/05	640	5/17/05	230	01/23/06	92	04/12/05	100		
08/26/03	570			07/11/05	140	5/25/05	115	02/08/06	32	05/10/05	30		
09/02/03	1300			07/19/05	270	6/6/05	220	02/23/06	8	06/13/05	80		
09/08/03	242			08/04/05	105	6/6/05	220	03/06/06	160	07/12/05	130		
09/15/03	690			08/10/05	310	6/15/05	168	03/22/06	20	09/13/05	104		
09/22/03	1170			08/18/05	500	6/21/05	110	04/12/06	425	09/22/05	200		
09/29/03	750			08/22/05	330	6/28/05	140	04/25/06	60	10/11/05	80		
10/06/03	830			08/30/05	20	7/11/05	112			11/14/05	65		
10/14/03	360			09/07/05	460	7/11/05	80			12/12/05	455		
10/20/03	780			09/12/05	220	7/19/05	130			01/10/06	30		
10/28/03	480			09/20/05	420	8/4/05	240			02/13/06	40		
11/03/03	3060			09/28/05	210	8/4/05	240			03/15/06	50		
11/10/03	990			10/03/05	490	8/10/05	4990			04/10/06	180		
11/17/03	1470			10/12/05	110	8/11/05	80			05/09/06	45		
11/24/03	870			10/19/05	220	8/18/05	230						
12/01/03	2000			10/24/05	190	8/22/05	210						
12/08/03	320			11/03/05	330	8/30/05	100						
12/15/03	1430			11/09/05	1170	9/7/05	250						
12/22/03	550			11/15/05	160	9/12/05	110						
12/29/03	11370			11/22/05	160	9/20/05	104						

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at SO7	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
01/05/04	200			11/28/05	680	9/28/05	130						
01/12/04	80			12/05/05	170	9/28/05	130						
01/20/04	510			12/13/05	240	10/3/05	328						
01/21/04	80			12/19/05	900	10/12/05	70						
01/26/04	50			12/29/05	130	10/19/05	415						
02/02/04	1500			01/03/06	80	10/24/05	370						
02/09/04	350			01/11/06	315	11/3/05	220						
02/17/04	510			01/17/06	580	11/9/05	370						
02/23/04	80			01/23/06	40	11/15/05	615						
03/01/04	770			01/31/06	50	11/22/05	20						
03/08/04	540					11/28/05	160						
03/09/04	160					12/5/05	60						
03/22/04	430					12/13/05	30						
03/23/04	310					12/19/05	640						
03/29/04	470					12/29/05	80						
04/05/04	580					1/3/06	80						
04/13/04	530					1/11/06	65						
04/19/04	360					1/17/06	188						
04/26/04	910					1/23/06	20						
05/03/04	1670					1/31/06	50						
05/10/04	950					2/8/06	8						
05/17/04	590					2/15/06	28						
05/24/04	490					2/23/06	4						
06/01/04	670					3/1/06	80						
06/14/04	1350					3/6/06	360						
06/15/04	1580					3/13/06	60						
06/16/04	1160					3/22/06	30						
06/22/04	1000					3/29/06	1270						

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
06/24/04	1100					4/3/06	60						
06/28/04	560					4/12/06	600						
07/06/04	760					4/17/06	52						
07/12/04	350					4/25/06	35						
07/19/04	1720					5/4/06	72						
07/20/04	1020					5/13/06	120						
07/26/04	940												
08/02/04	3080												
08/02/04	3480												
08/03/04	3480												
08/09/04	1070												
08/16/04	2480												
08/18/04	2700												
08/23/04	1440												
08/30/04	1350												
09/07/04	1280												
09/14/04	520												
09/20/04	1200												
09/21/04	860												
09/28/04	1100												
10/04/04	300												
10/12/04	680												
10/18/04	14850												
10/26/04	21200												
11/01/04	300												
11/09/04	1825												
11/15/04	3075												
11/23/04	850												

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
11/29/04	800												
12/09/04	2300												
12/13/04	260												
12/21/04	150												
12/27/04	2900												
01/04/05	150												
01/10/05	640												
01/18/05	40												
01/24/05	150												
02/01/05	50												
02/07/05	140												
02/15/05	9100												
02/17/05	240												
02/22/05	275												
02/23/05	150												
03/01/05	200												
03/08/05	230												
03/10/05	90												
03/15/05	140												
03/16/05	100												
03/21/05	320												
03/22/05	3840												
03/29/05	260												
04/01/05	80												
04/04/05	90												
04/06/05	100												
04/11/05	310												
04/12/05	160												

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
04/18/05	260												
04/19/05	30												
04/25/05	40												
04/26/05	140												
05/03/05	360												
05/06/05	260												
05/10/05	250												
05/16/05	580												
05/17/05	320												
05/24/05	470												
05/25/05	430												
05/31/05	1050												
06/01/05	545												
06/06/05	1640												
06/07/05	1600												
06/13/05	660												
06/15/05	1056												
06/21/05	980												
06/27/05	640												
06/28/05	440												
07/05/05	470												
07/11/05	670												
07/12/05	460												
07/19/05	400												
07/19/05	370												
07/25/05	540												
08/03/05	2960												
08/04/05	550												

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
08/10/05	1190												
08/16/05	625												
08/18/05	700												
08/22/05	1160												
08/22/05	600												
08/30/05	560												
08/30/05	300												
09/06/05	1020												
09/07/05	250												
09/12/05	156												
09/12/05	410												
09/19/05	424												
09/20/05	1350												
09/27/05	200												
09/28/05	410												
10/03/05	600												
10/04/05	280												
10/11/05	540												
10/12/05	350												
10/17/05	640												
10/19/05	220												
10/24/05	490												
10/25/05	680												
10/31/05	860												
11/03/05	740												
11/08/05	880												
11/09/05	1510												
11/14/05	720												

Date collected at SO	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S23	FeColi <sup>1</sup>	Date collected at S2315	FeColi <sup>1</sup>	Date Collected at S6	FeColi <sup>1</sup>		
11/15/05	1700												
11/21/05	700												
11/22/05	340												
11/28/05	1240												
11/28/05	1340												
12/05/05	440												
12/06/05	580												
12/12/05	740												
12/13/05	380												
12/19/05	800												
12/20/05	260												
12/27/05	100												
12/29/05	240												
01/03/06	120												
01/04/06	120												
01/10/06	100												
01/11/06	540												
01/17/06	130												
01/17/06	300												
01/23/06	300												
01/24/06	100												
01/30/06	390												
01/31/06	80												



**Soquel Creek Water Quality Data for Sampling Stations S0, S00, S04, S07, S21, S232, and S2321  
Not Used in FECIA Analysis (see sampling station codes at end of tables)**

Date collected at S0	FeColi <sup>1</sup>	Date collected at S00	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at S07	FeColi <sup>1</sup>	Date collected at S21	FeColi <sup>1</sup>	Date collected at S232	FeColi <sup>1</sup>	Date collected at S2321	FeColi <sup>1</sup>
02/7/06	320	06/12/06	3300	04/01/05	40	02/08/06	40	02/17/05	100	6/19/03	88	06/16/03	810
02/8/06	70			04/06/05	30	02/15/06	30	02/23/05	40	3/30/04	170	06/19/03	80
02/13/06	470			04/11/05	100	02/23/06	30	03/01/05	150			05/13/04	100
02/15/06	150			04/19/05	30	03/01/06	70	03/16/05	70				
02/22/06	120			04/25/05	60	03/06/06	420	03/22/05	5470				
02/23/06	160			05/10/05	150	03/13/06	60	04/06/05	5				
03/1/06	130			05/25/05	780	03/22/06	30	04/19/05	10				
03/1/06	140			06/01/05	1935	03/29/06	2070	05/10/05	200				
03/6/06	640			06/06/05	230	04/03/06	260	05/25/05	190				
03/7/06	100			06/06/05	230	04/12/06	2275	06/06/05	120				
03/13/06	155			06/21/05	1020	04/17/06	20	06/21/05	210				
03/15/06	230			07/11/05	420	04/25/06	50	07/11/05	180				
03/21/06	220			07/11/05	750			08/04/05	220				
03/22/06	90			08/04/05	1100			08/18/05	260				
03/27/06	120			08/04/05	1100			08/30/05	100				
03/29/06	1795			08/18/05	1580			09/12/05	160				
04/3/06	480			08/30/05	300			09/28/05	80				
04/4/06	3420			09/12/05	920			10/12/05	50				
04/10/06	160			09/28/05	420			10/24/05	410				
04/12/06	1200			09/28/05	420			11/15/05	290				
04/17/06	260			10/12/05	225			11/28/05	720				
04/18/06	90			10/24/05	280			12/13/05	130				
04/24/06	170			11/15/05	900			12/29/05	90				

<sup>1</sup> Fecal Coliform Concentration (#/100ml)

Date collected at S0	FeColi <sup>1</sup>	Date collected at S00	FeColi <sup>1</sup>	Date collected at S04	FeColi <sup>1</sup>	Date collected at SO7	FeColi <sup>1</sup>	Date collected at S21	FeColi <sup>1</sup>	Date collected at S232	FeColi <sup>1</sup>	Date collected at S2321	FeColi <sup>1</sup>
04/25/06	1530			11/28/05	1000			01/10/06	115				
05/2/06	110			12/13/05	300			01/23/06	20				
05/9/06	380			12/29/05	150			02/08/06	5				
05/15/06	490			01/11/06	480			02/23/06	4				
05/18/06	440			01/23/06	80			03/06/06	480				
05/23/06	360			02/08/06	60			03/22/06	30				
05/30/06	230			02/23/06	30			04/12/06	800				
06/6/06	1250			03/06/06	520			04/25/06	50				
06/12/06	700			03/22/06	80								
06/19/06	428			04/12/06	4375								
06/26/06	580			04/25/06	90								

**Soquel Creek Water Quality Data for Sampling Stations S24, S234, S250, S251, S253, S2302, S2305, and S4  
Not Used in FECIA Analysis (see sampling station codes at end of tables)**

Date collected at S24	FeColi <sup>1</sup>	Date collected at S234	FeColi <sup>1</sup>	Date collected at S251	FeColi <sup>1</sup>	Date collected at S253	FeColi <sup>1</sup>	Date collected at S2302	FeColi <sup>1</sup>	Date collected at S2305	FeColi <sup>1</sup>	Date Collected at S4	FeColi <sup>1</sup>
06/16/03	180	06/16/03	190	04/23/04	850	06/16/03	240	03/25/04	780	03/25/04	930	04/14/04	20
06/19/03	68			06/17/04	60	06/19/03	52					06/17/04	110
						05/13/04	60					05/06/05	220
												09/22/05	30
												05/25/06	605

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<sup>1</sup> Fecal Coliform Concentration (#/100ml)

**Soquel Creek Water Quality Data for Sampling Station S275**  
**Not Used in FECIA Analysis (see sampling station codes at end of tables)**

Date collected at S275	FeColi <sup>1</sup>												
05/13/04	30												

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<sup>1</sup> Fecal Coliform Concentration (#/100ml)

**Noble Gulch Water Quality Data for Sampling Stations S1, S115, S12, and S125  
Used in FECIA Analysis (see sampling station codes at end of tables)**

Date collected at S1	FeColi <sup>1</sup>	Date collected at S115	FeColi <sup>1</sup>	Date collected at S12	FeColi <sup>1</sup>	Date collected at S125	FeColi <sup>1</sup>							
01/13/03	14200	3/14/05	290	11/19/03	1750	11/19/03	510							
02/10/03	19300	6/21/05	70	05/12/04	510	05/12/04	30							
11/19/03	1280	7/11/05	500	02/17/05	1980	02/17/05	2180							
03/30/04	720	8/18/05	350	02/23/05	2240	02/23/05	2020							
05/12/04	180	10/24/05	660	03/01/05	1920	03/01/05	1940							
12/27/04	15800					03/07/05	980							
12/28/04	15800					03/14/05	270							
02/17/05	2260					03/16/05	200							
02/23/05	1340					03/22/05	22040							
03/01/05	1720					04/06/05	5500							
03/14/05	340					04/19/05	625							
03/16/05	50					05/10/05	1050							
03/22/05	18340					05/25/05	550							
						06/06/05	90							
						06/21/05	260							
						07/11/05	20							
						08/04/05	300							
						08/18/05	500							
						08/30/05	190							
						09/12/05	190							
						09/28/05	880							
						10/12/05	370							

<sup>1</sup> Fecal Coliform Concentration (#/100ml)

Date collected at S1	FeColi <sup>1</sup>	Date collected at S115	FeColi <sup>1</sup>	Date collected at S12	FeColi <sup>1</sup>	Date collected at S125	FeColi <sup>1</sup>						
						10/24/05	185						
						11/15/05	350						
						11/28/05	16720						
						12/13/05	500						
						12/29/05	660						
						01/11/06	180						
						01/23/06	380						

**Noble Gulch Water Quality Data for Sampling Stations S1, S116, S1505, S19, S191, S192, and S200  
Not Used in Analysis (see sampling station codes at end of tables)**

Date collected at S1	FeColi <sup>1</sup>	Date collected at S116	FeColi <sup>1</sup>	Date collected at S1505	FeColi <sup>1</sup>	Date collected at S19	FeColi <sup>1</sup>	Date collected at S191	FeColi <sup>1</sup>	Date collected at S192	FeColi <sup>1</sup>	Date collected at S200	FeColi <sup>1</sup>
04/06/05	1040	2/10/03	14673	3/7/05	1140	2/24/05	1500	2/24/05	660	3/7/05	740	2/24/05	4420
04/19/05	575	3/14/05	320	3/14/05	630	3/7/05	820	3/8/05	1310	3/8/05	1170		
05/10/05	310									3/14/05	1350		
05/25/05	150									3/16/05	610		
06/06/05	100												
06/06/05	100												
07/11/05	400												
08/30/05	1050												
09/12/05	300												
09/28/05	260												
10/03/05	150												
10/12/05	710												
11/15/05	560												
11/28/05	960												
12/13/05	1150												
01/11/06	110												
01/23/06	510												
02/08/06	240												
02/23/06	10												
03/06/06	540												
03/22/06	870												
04/12/06	64000												

<sup>1</sup> Fecal Coliform Concentration (#/100ml)

Date collected at S1	FeColi <sup>1</sup>	Date collected at S116	FeColi <sup>1</sup>	Date collected at S1505	FeColi <sup>1</sup>	Date collected at S19	FeColi <sup>1</sup>	Date collected at S191	FeColi <sup>1</sup>	Date collected at S192	FeColi <sup>1</sup>	Date collected at S200	FeColi <sup>1</sup>
04/25/06	280												



**Bates Creek Water Quality Data for Sampling Station S3  
Used in Analysis (see sampling station codes at end of tables)**

Date collected at S3	FeColi <sup>1</sup>												
04/14/04	60												
06/17/04	390												
09/22/05	260												

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<sup>1</sup> Fecal Coliform Concentration (#/100ml)

**Coastal Watershed Council  
2004 *E. coli* Data**

<b>LOCATION</b>	<b>Creekside</b>
<b>DATE</b>	<b><i>E. coli</i> (MPN/100mL)</b>
10/7/2004	20
11/8/2004	5

**Coastal Watershed Council  
2005 *E. coli* Data and Statistics**

<b>LOCATION</b>	<b>Creekside</b>	<b>Monterey Ave.</b>
<b>DATE</b>	<b><i>E. coli</i> (MPN/100mL)</b>	
7/27/2005	5	323
8/29/2005	379	3873
9/29/2005	20	598
10/26/2005	173	4884
<b>LOGMean</b>	<b>51</b>	<b>1383</b>
<b>min</b>	<b>5</b>	<b>323</b>
<b>max</b>	<b>379</b>	<b>4884</b>
<b>count</b>	<b>4</b>	<b>4</b>
<b>#&gt;<i>E. coli</i></b>		
<b>Target</b>		
<b>(235MPN)</b>	<b>1</b>	<b>4</b>
<b>%&gt;<i>E. coli</i></b>		
<b>Target</b>		
<b>(235MPN)</b>	<b>25%</b>	<b>100%</b>

## Sampling Station Codes

S0	SOQUEL CREEK AT FLUME OUTLET
S00	SOQUEL CREEK AT FLUME INLET
S04	SOQUEL CREEK ABOVE STOCKTON BRIDGE EAST
S07	SOQUEL CREEK AT RAILROAD TRESTLE
S1	NOBLE GULCH AT SOQUEL CREEK
S115	NOBLE GULCH AT PAC COVE ENTRANCE
S116	NOBLE GULCH AT TRAILER #67
S12	NOBLE GULCH AT TUNNEL AT BAY
S125	NOBLE GULCH AT ST. JOE'S CHURCH
S1505	NOBLE GULCH BELOW # 60
S19	NOBLE GULCH AT HIGHWAY 1
S191	NOBLE GULCH ABOVE HIGHWAY 1
S192	NOBLE GULCH MID DEL RIO CIRCLE
S200	NOBLE GULCH TRIBUTARY AT VICTORY LANE
S21	SOQUEL CREEK ABOVE NOBLE G
S23	SOQUEL CREEK AT NOB HILL
S2302	SOQUEL CREEK BELOW STORM DRAIN #2
S2305	SOQUEL CREEK ABOVE STORM DRAIN#2
S2315	SOQUEL CREEK AT PORTER STREET BRIDGE
S232	SOQUEL CREEK AT 2525 MAIN STREET
S2321	SOQUEL CREEK AT SOQUEL ELEMENTARY SCHOOL
S234	SOQUEL CREEK 200' UP SCHOOL BRIDGE
S24	SOQUEL CREEK BELOW SOQUEL DRIVE
S250	SOQUEL CREEK AT 25/25 REST.
S251	EAST BRANCH SOQUEL CREEK AT 152 OLIVE S.
S253	SOQUEL CREEK ABOVE TRAILER PARK
S275	SOQUEL CREEK AT ELKHORN NURSERY
S3	BATES CREEK AT SOQUEL CREEK
S4	SOQUEL CREEK AT BATES CREEK
S6	WEST BRANCH SOQUEL CREEK AT SAN JOSE-OLIVE S.

