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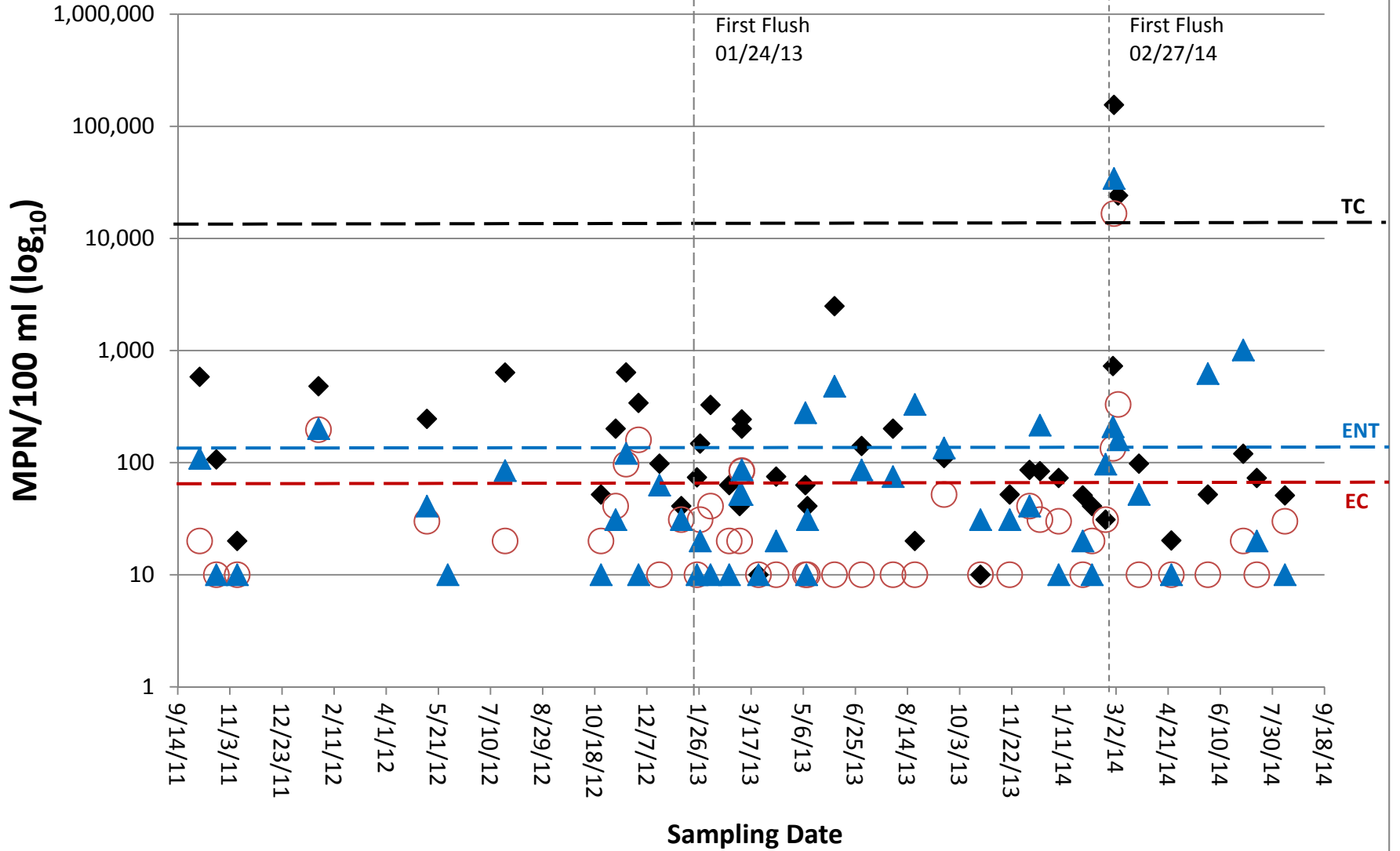
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Beach Outlet (BO)

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

*values shown as 10 MPN/100ml (log₁₀) are actually <10 (from 0 to 10)



Beach Outlet (Ocean Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
10/5/2011	583	20	109	ND	ND	89860.5	ND	rain	dry
10/21/2011	107	<10	10	ND	ND	1152.6	ND	clear	dry
11/10/2011	20	10	<10	ND	ND	3503.0	ND	clear	wet
1/27/2012	480	197	201	31.9	263.6	22795.0	10616.6	clear	wet
5/10/2012	246	30	41	ND	83.7	1611.6	ND	clear	dry
5/30/2012	N/M	N/M	<10			ND		clear	dry
7/24/2012	*637	20	85	ND	ND	281.7	ND	clear	dry
10/24/2012	52	20	10	ND	ND	905.9	1215.6	clear	dry
11/7/2012	201	41	31	619.8	2187.9	ND	233.3	clear	wet
11/17/2012	638	97	121	375.0	1585.6	4469.8	4035.6	rain	wet
11/29/2012	341	160	10	513.8	2538.5	2450.2	53923.3	clear	wet
12/19/2012	98	10	63	ND	ND	2409.1	4976.0	clear	wet
1/9/2013	41	31	31	69.5	ND	566.8	24444.7	clear	wet
1/24/2013	74	<10	<10	ND	ND	1161.6	308.3	rain	wet
1/27/2013	148	31	20	ND	73.5	5574.8	1668.4	clear	wet
2/6/2013	327	41	10	ND	ND	9152.9	42461.5	clear	wet
2/24/2013	63	20	<10	ND	1015.6	3725.8	4865.4	clear	wet
3/6/2013	41	20	52	ND	142.6	1292.6	15952.2	clear	wet
3/8/2013	243	84	52	ND	ND	655.8	1546.6	rain	wet
3/8/2013	201	85	86	ND	ND	526.9	427.0	rain	wet
3/24/2013	<10	<10	<10	ND	ND	1432.0	732.9	clear	wet
4/10/2013	75	<10	20	ND	ND	2524.8	1728.2	clear	dry
5/8/2013	63	<10	279	ND	ND	ND	281.8	clear	dry
5/9/2013			<10	#DIV/0!				clear	dry
5/10/2013	41	<10	31	ND	ND	ND	ND	clear	dry
6/5/2013	2489	<10	480	ND	ND	652.3	96.8	clear	dry
7/1/2013	141	10	86	ND	ND	698.8	ND	clear	dry
7/31/2013	201	<10	75	ND		4252.8	ND	clear	dry
8/21/2013	20	<10	331	ND		1267.7	11524.3	clear	dry
9/18/2013	110	52	135	ND		7933.4	6788.6	clear	dry
10/23/2013	<10	<10	31	#DIV/0!		4571.7	7308.2	clear	wet
11/20/2013	52	<10	31	ND		1991.8	6489.3	clear	wet
12/9/2013	86	41	41	53.8		11945.9	57947.6	clear	wet
12/19/2013	84	31	216	ND		15092.0	4629.0	clear	wet
1/6/2014	73	30	10	ND		11454.0	33563.7	clear	wet
1/29/2014	51	<10	20	ND		718.1	126175.8	clear	wet
2/7/2014	41	20	<10	ND		461.8	3820.5	rain w/in 24hr	wet
2/20/2014	31	31	97	ND		2796.2	6737.5	clear	wet
2/27/2014	728	134	209	92.1		1775.6	9719.9	FF/rain	wet
2/28/2014	155312	16695	34362	1440.1		ND	22031.4		0 wet
3/4/2014	>24196	331	160	ND		132303.7	2992.0	clear	wet
3/24/2014	97.9	<10	52.1	ND		ND		clear	wet
4/24/2014	20.2	10	10	ND		902.4	177.5	clear	wet
5/29/2014	52	<10	624	ND		ND	470.9	clear	dry
7/2/2014	120	20	1012	ND		209.1	ND	clear	dry
7/15/2014	73	<10	20	ND		ND	ND	clear	dry
8/11/2014	51	30	<10	ND		270.0		clear	dry

*=sampled from kayak

 Rain Events

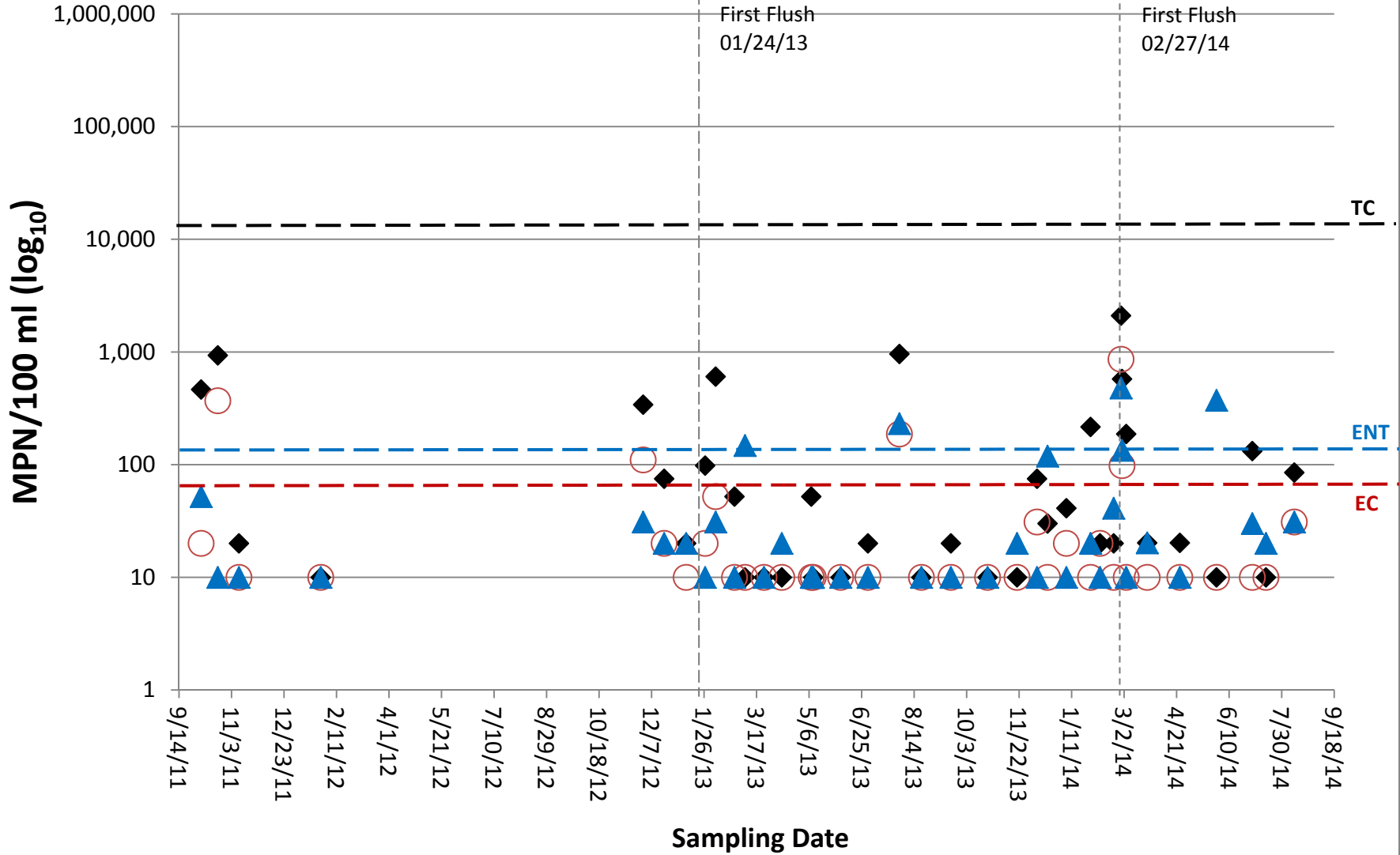
Bold Value= Exceedance

BacHum only collected until July 2013

Beach Upcoast (BU)

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)



Beach Upper (Ocean Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
10/5/2011	465	20	52	ND	ND	779.3	ND	rain	dry
10/21/2011	932	369	<10	ND	ND	ND	ND	clear	dry
11/10/2011	20	<10	10	ND	ND	349.5	1492.6	clear	wet
1/27/2012	<10	<10	10	ND	ND	8113.2	10388.7	clear	wet
11/29/2012	341	110	31	673.0	2777.0	519.4	17000.5	clear	wet
12/19/2012	75	20	20	ND	ND	748.0	1625.0	clear	wet
1/9/2013	20	<10	20	ND	203.0	560.7	3297.5	clear	wet
1/27/2013	98	20	10	ND	133.9	1014.5	2442.5	clear	wet
2/6/2013	605	52	31	ND	139.8	3087.8	28518.4	clear	wet
2/24/2013	52	10	<10	81.7	534.3	13844.5	5399.4	clear	wet
3/6/2013	10	<10	148	ND	ND	778.0	15615.6	clear	wet
3/24/2013	<10	<10	<10	ND	ND	4366.1	1002.8	clear	wet
4/10/2013	<10	<10	20	ND	ND	746.1	ND	clear	dry
5/8/2013	52	<10	<10	ND	ND	ND	745.6	clear	dry
5/9/2013			<10	#DIV/0!				clear	dry
5/10/2013	10	<10	<10	ND	ND	ND	ND	clear	dry
6/5/2013	10	<10	10	ND	ND	706.0	152.4	clear	dry
7/1/2013	20	<10	<10	ND	ND	ND	3434.6	clear	dry
7/31/2013	960	187	231	ND		501.6	ND	clear	dry
8/21/2013	10	<10	10	ND		1200.0	13359.1	clear	dry
9/18/2013	20	<10	<10	#DIV/0!		911.4	4698.6	clear	dry
10/23/2013	10	<10	<10	ND		420.2	60689.2	clear	wet
11/20/2013	10	<10	20	ND		1028.9	763.3	clear	wet
12/9/2013	75	31	<10	67.0		1005.5	11859.3	clear	wet
12/19/2013	30	<10	119	ND		971.7	2536.1	clear	wet
1/6/2014	41	20	10	ND		2051.9	56309.7	clear	wet
1/29/2014	216	<10	20	ND		1502.4	74750.0	clear	wet
2/7/2014	20	20	10	ND		1529.0	66761.1	rain w/in 24hr	wet
2/20/2014	20	10	41	ND		ND	6765.1	clear	wet
2/27/2014	2098	862	479	62.2		916.2	111065.5	FF/rain	wet
2/28/2014	576	98	134	ND		1891.8	3676.3	0	wet
3/4/2014	187	<10	<10	ND		454.1	ND	clear	wet
3/24/2014	20.2	<10	20.2	ND		276.7		clear	wet
4/24/2014	20.2	<10	<10	ND		925.4	378.5	clear	wet
5/29/2014	<10	<10	373	ND		ND	5147.6	clear	dry
7/2/2014	132	<10	30	ND		ND	ND	clear	dry
7/15/2014	10	<10	20	ND		ND	ND	clear	dry
8/11/2014	85	31	31	ND		ND		clear	dry

Rain Events

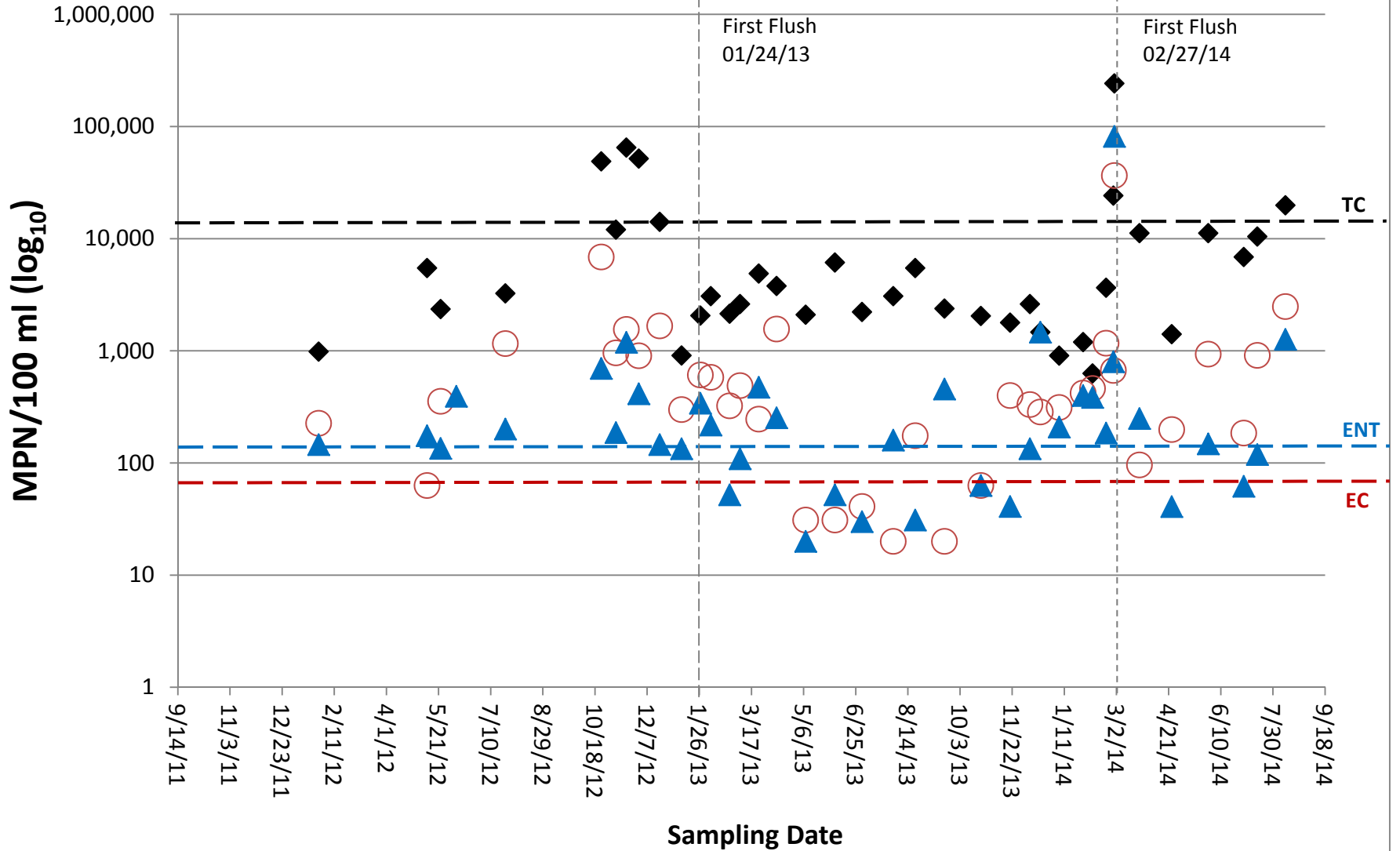
Bold Value= Exceedance

BacHum only collected until July 2013

Highway Bridge (HB)

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)



Highway Bridge (Ocean Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
1/27/2012	983	226	146	ND	146.3	ND	166.5	clear	wet
5/10/2012	5475	63	175	ND	ND	13642.3	ND	clear	dry
5/23/2012	2359	355	135	43.7	142.8	570.6	ND	clear	dry
6/7/2012			393	ND		ND	ND	clear	dry
6/28/2012				ND		15456.5	888.5	clear	dry
7/24/2012	*3255	1162	201	ND	ND	15917.5	ND	clear	dry
10/24/2012	48840	6867	697	803.0	1851.2	11213.8	10054.8	clear	dry
11/7/2012	12033	959	187	ND	ND	19457.8	335.3	clear	wet
11/17/2012	64880	1553	1191	ND	ND	79193.8	7049.4	rain	wet
11/29/2012	51720	904	414	ND	ND	3238.1	1034.9	clear	wet
12/19/2012	14136	1670	146	ND	ND	4877.7	12412.1	clear	wet
1/9/2013	908	299	134	ND	ND	41443.7	105443.8	clear	wet
1/27/2013	2064	609	341					clear	wet
2/6/2013	3076	581	218	ND	80.2	275076.8	55243.0	clear	wet
2/24/2013	2142	323	52	ND	ND	48667.2	11265.3	clear	wet
3/6/2013	2613	490	109	ND	ND	22526.1	241.9	clear	wet
3/24/2013	4884	246	473	ND	98.8	74576.4	811.7	clear	wet
4/10/2013	3784	1565	253	ND	ND	290832.5	1706.4	clear	dry
5/8/2013	2098	31	20	ND	ND	2560.5	ND	clear	dry
6/5/2013	6131	31	52	ND	ND	5917.3	ND	clear	dry
7/1/2013	2224	41	30	ND	32.6	3471.5	ND	clear	dry
7/31/2013	3076	20	160	ND		6145.8	ND	clear	dry
8/21/2013	5475	175	31	ND		ND	ND	clear	dry
9/18/2013	2382	20	457	ND		1286.1	ND	clear	dry
10/23/2013	2046	63	63	ND		9030.7	5920.9	clear	wet
11/20/2013	1785	399	41	ND		6966.9	8212.1	clear	wet
12/9/2013	2613	332	134	ND		20789.8	24855.8	clear	wet
12/19/2013	1467	285	1467	ND		14063.1	27624.9	clear	wet
1/6/2014	906	313	209	ND		57268.9	8054.7	clear	wet
1/29/2014	1198	420	399	ND		20827.9	47688.2	clear	wet
2/7/2014	629	462	384	ND		9754.5	37188.7	rain w/in 24hr	wet
2/20/2014	3654	1169	185	ND		32494.9	63020.8	clear	wet
2/27/2014	24196	669	798	ND		ND	796.9	FF/rain	wet
2/28/2014	>241960	36540	81641	5582.7		#N/A	39560.6		0 wet
3/24/2014	11198.7	96	249.1	ND		730.2		clear	wet
4/24/2014	1407.8	198.9	40.9	ND		4019.2	ND	clear	wet
5/29/2014	11199	934	148	ND		2623.8	ND	clear	dry
7/2/2014	6867	185	62	ND		17525.3	ND	clear	dry
7/15/2014	10462	912	119	ND		7371.8	ND	clear	dry
8/11/2014	19863	2481	1266	ND		4720.5		clear	dry

*=sampled from kayak

Rain Events

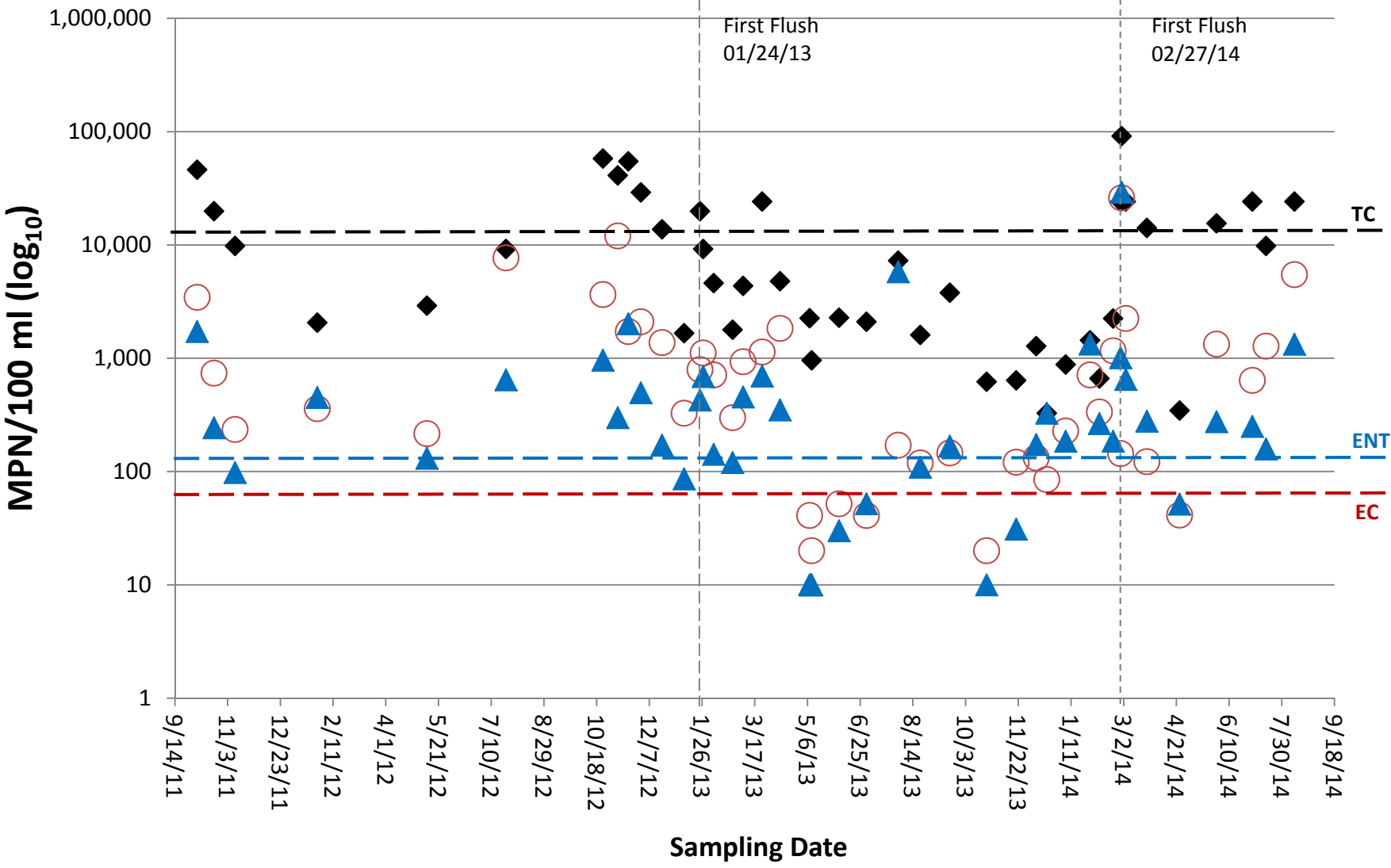
Bold Value= Exceedance

BacHum only collected until July 2013

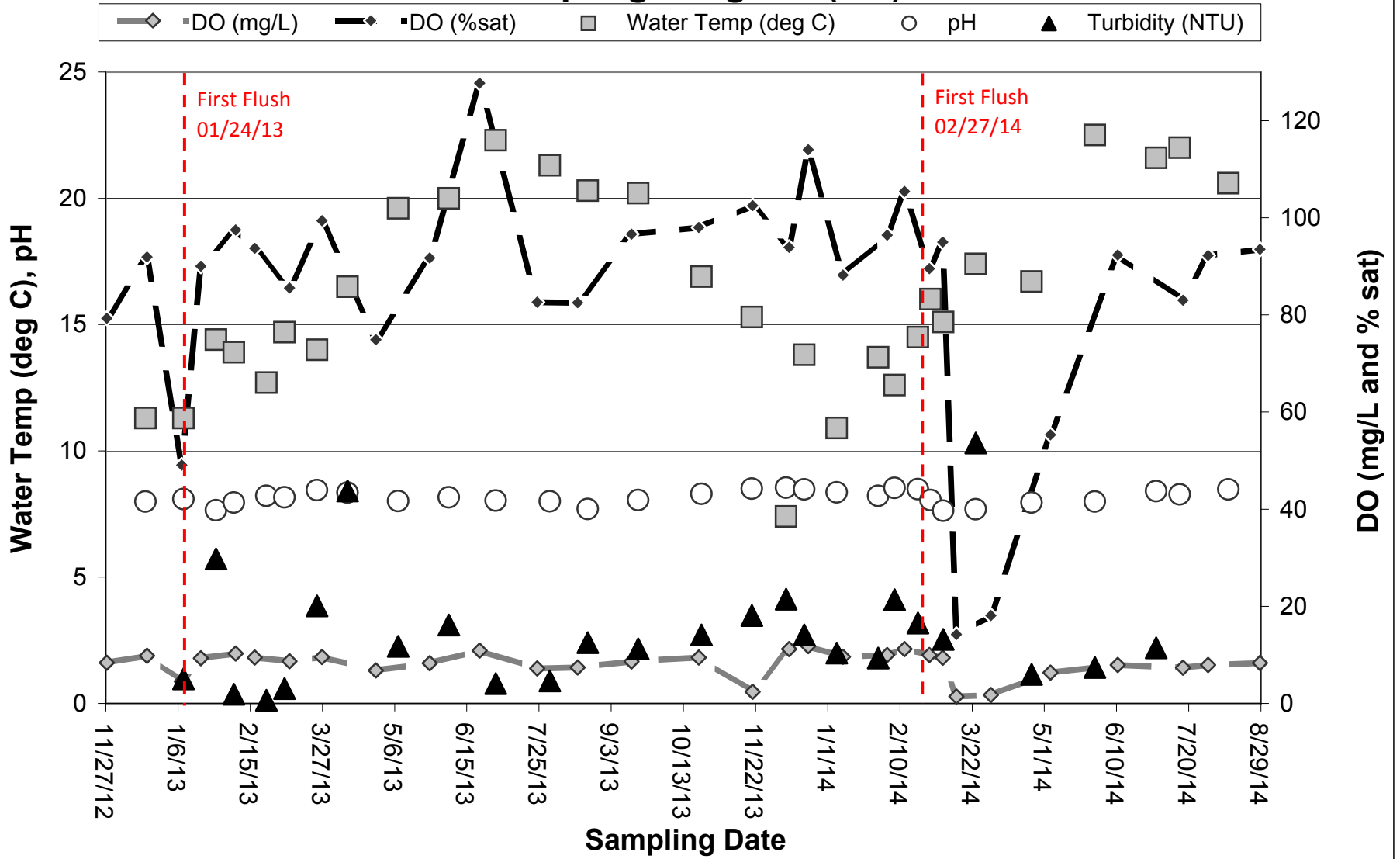
Topanga Lagoon (TL) 0m

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

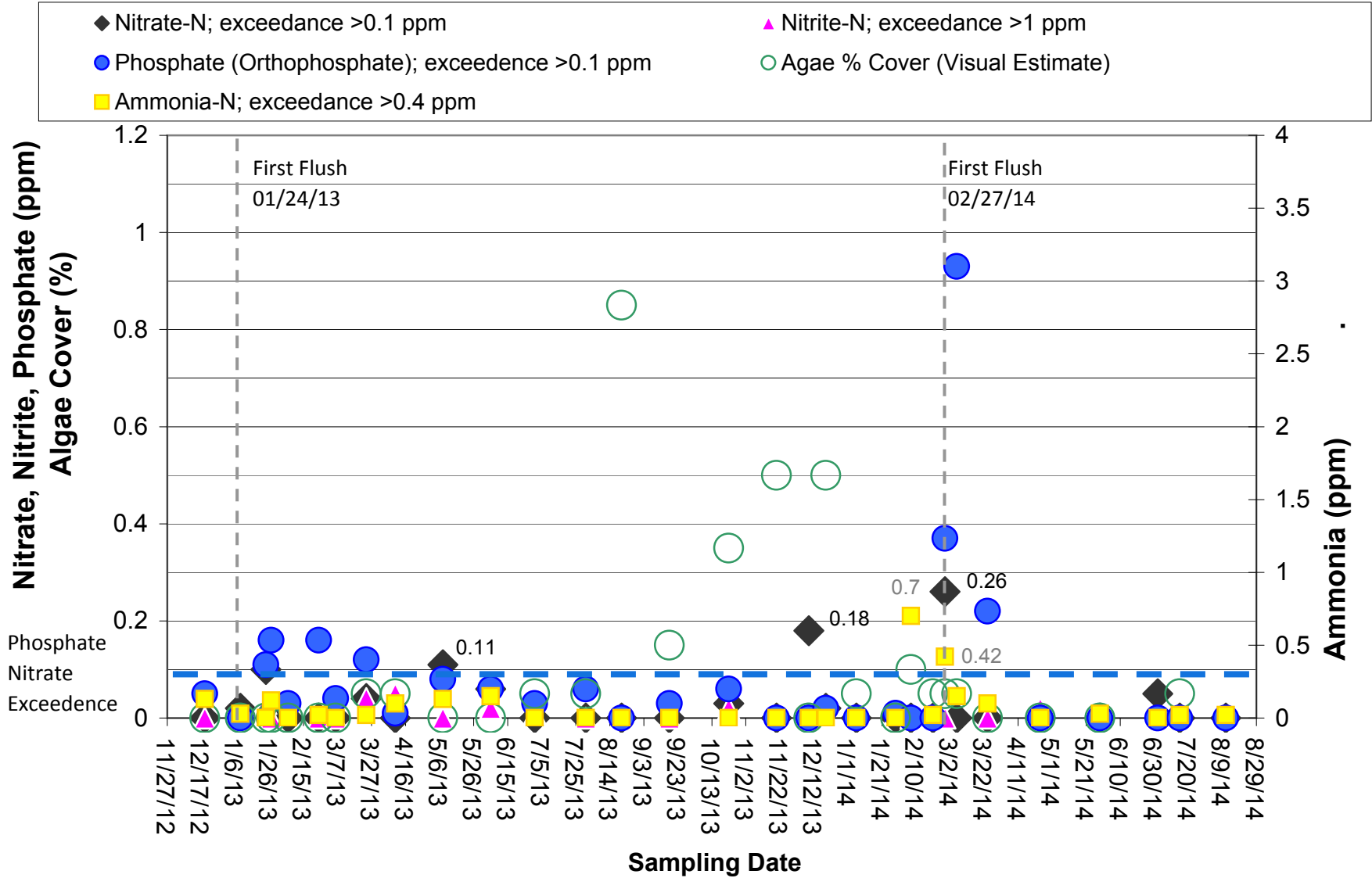
*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)



Topanga Lagoon (0m)



Topanga Lagoon (0m)



Topanga Lagoon (Lagoon Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
10/5/2011	46110	3448	1723	24.4	185.0	19995.2	224.7	rain	dry
10/21/2011	19863	738	243	32.6	630.6	198998.3	3695.7	clear	dry
11/10/2011	9804	235	98	48.8	171.9	9673.7	259.4	clear	wet
1/27/2012	2064	359	450	71.7	574.6	20433.7	6764.0	clear	wet
5/10/2012	2909	216	131	ND	ND	22595.3	296.2	clear	dry
7/24/2012	* 9208	7701	644	ND	ND	11369.2	ND	clear	dry
10/24/2012	57940	3654	960	1327.4	4159.3	31581.1	10083.6	clear	dry
11/7/2012	41060	12033	299	ND	33.4	57470.8	ND	clear	wet
11/17/2012	54750	1723	2014	ND	ND	22068.5	2994.2	rain	wet
11/29/2012	29090	2098	495	ND	52.0	5501.2	1426.7	clear	wet
12/19/2012	13760	1376	171	ND	ND	5439.3	10269.4	clear	wet
1/9/2013	1664	327	86	ND	136.3	51901.5	73633.8	clear	wet
1/24/2013	19863	794	428	225.3	795.8	28760.1	65092.0	rain	wet
1/27/2013	9208	1112	689	ND	ND	34416.1	102048.8	clear	wet
2/6/2013	4611	712	142	ND	ND	81223.7	37148.4	clear	wet
2/24/2013	1785	299	120	30.3	ND	95672.2	9852.1	clear	wet
3/6/2013	4352	933	455	ND	ND	108604.3	2158.1	clear	wet
3/24/2013	24196	1137	697	ND	45.2	24268.0	332.4	clear	wet
4/10/2013	4786	1835	350	41.5	ND	122849.0	8405.1	clear	dry
5/8/2013	2254	41	10	ND	ND	2179.4	ND	clear	dry
5/9/2013	could not find box		<10	#DIV/0!				clear	dry
5/10/2013	959	20	10	ND	ND	6780.2	ND	clear	dry
6/5/2013	2282	52	30	ND	ND	3428.2	ND	clear	dry
7/1/2013	2098	41	52	ND	ND	12599.4	ND	clear	dry
7/31/2013	7270	171	5794	ND		5911.6	ND	clear	dry
8/21/2013	1607	119	109	ND		ND	ND	clear	dry
9/18/2013	3784	146	168	ND		1616.0	393.9	clear	dry
10/23/2013	620	20	10	ND		5305.8	377.6	clear	wet
11/20/2013	638	121	31	ND		13232.9	3483.5	clear	wet
12/9/2013	1281	132	173	ND		22417.3	34359.7	clear	wet
12/19/2013	327	85	327	ND		17275.3	5276.2	clear	wet
1/6/2014	880	228	185	ND		24448.6	9681.7	clear	wet
1/29/2014	1439	712	1334	ND		30319.3	31885.2	clear	wet
2/7/2014	663	336	265	ND		10441.1	10325.2	rain w/in 2	wet
2/20/2014	2247	1162	185	ND		33678.8	27860.2	clear	wet
2/27/2014	24196	144	1010	ND		5441.5	1644.1	FF/rain	wet
2/28/2014	91386	26025	29240	#N/A		ND	#N/A	0	wet
3/4/2014	>24196	2247	650	ND		188554.6	17997.3	clear	wet
3/24/2014	14136.1	122.3	278.5	ND		488.4		clear	wet
4/24/2014	345.6	41.3	51.6	ND		11977.7	ND	clear	wet
5/29/2014	15531	1334	275	ND		6506.5	ND	clear	dry
7/2/2014	24196	638	250	ND		29793.5	ND	clear	dry
7/15/2014	9804	1281	158	ND		22386.3	ND	clear	dry
8/11/2014	>24196	5475	1331	ND		8357.5		clear	dry

* =sampled from kayak

Yellow Rain Events

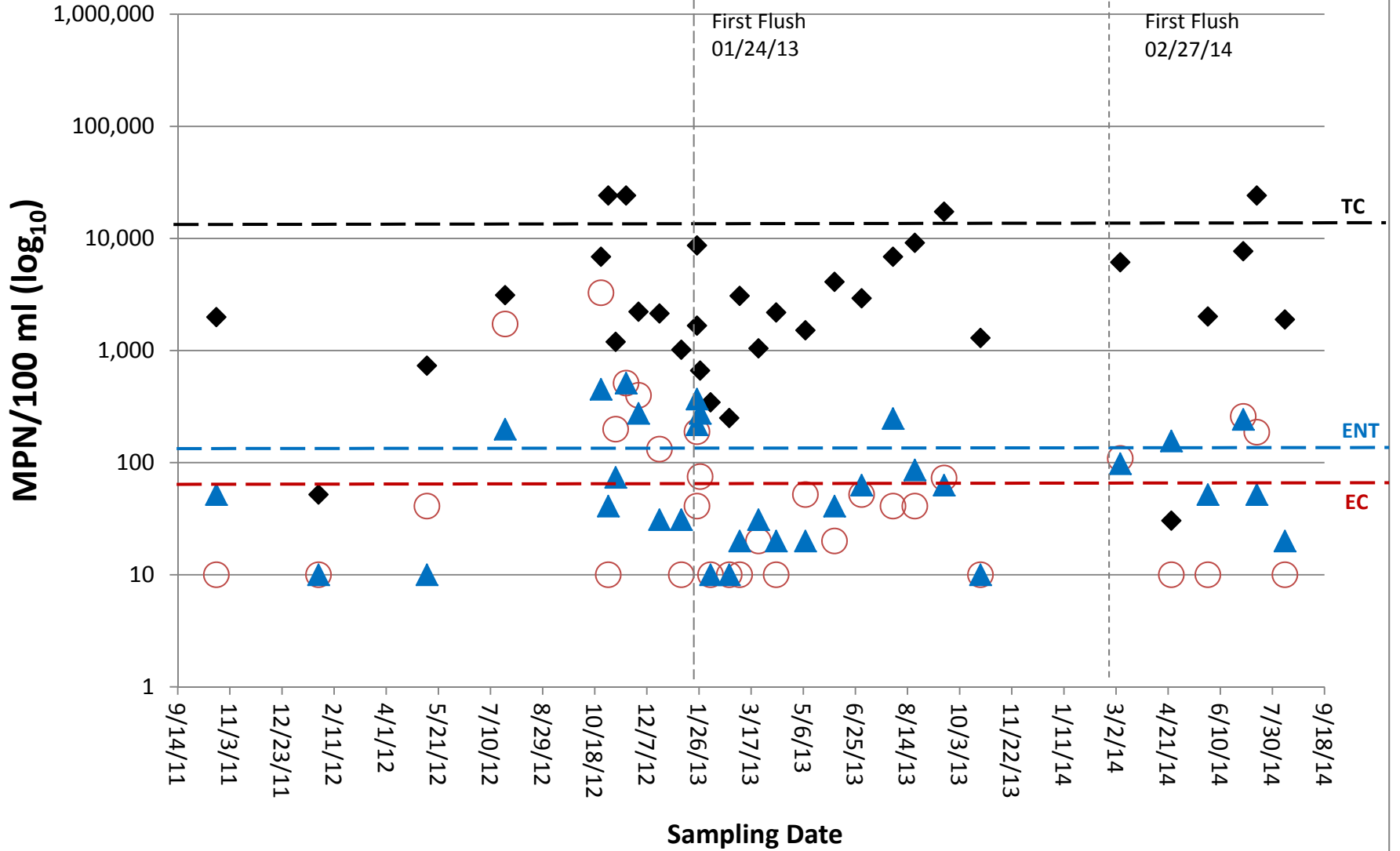
Bold Value= Exceedance

BacHum only collected until July 2013

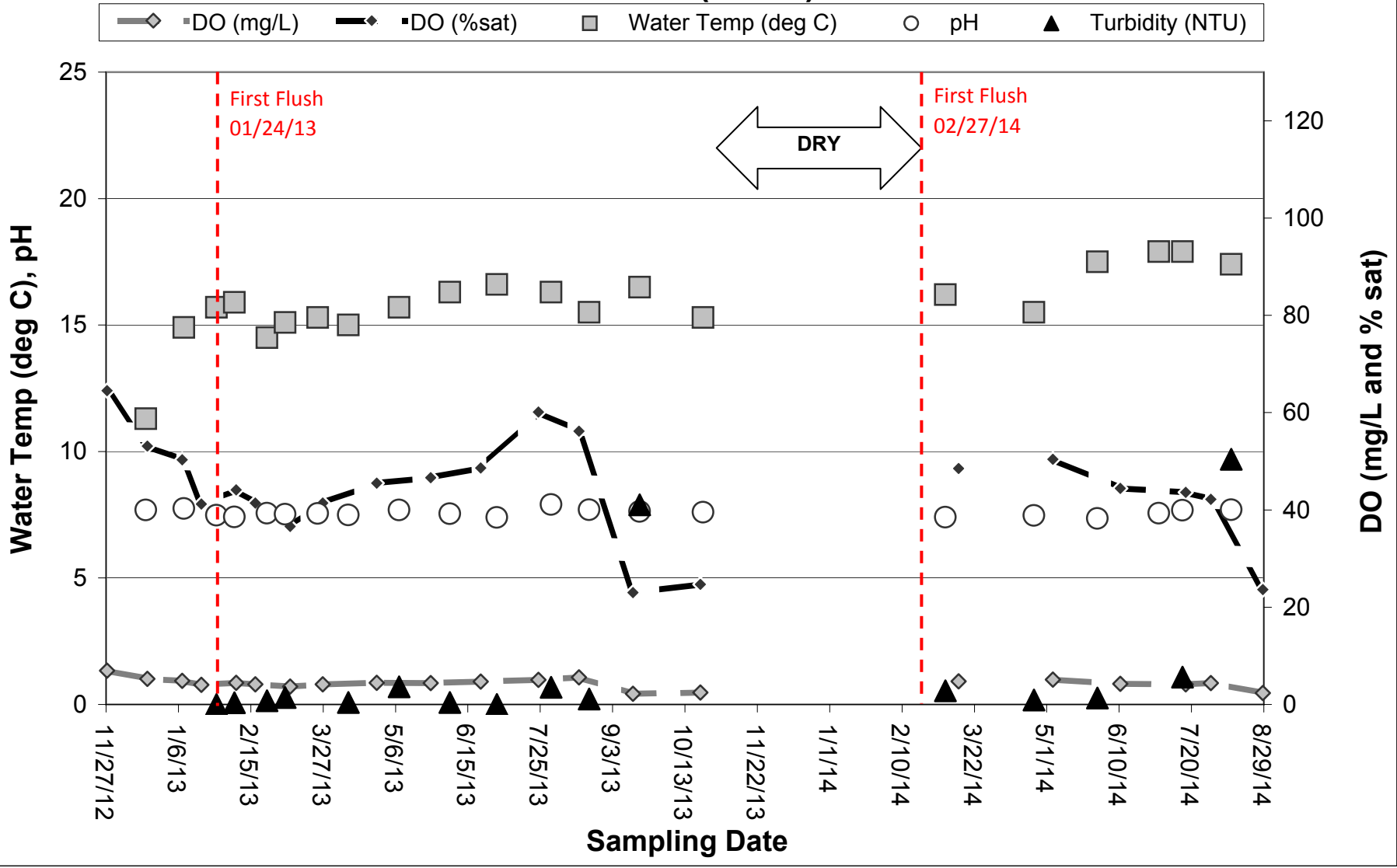
Snake Pit (SP) 300m

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

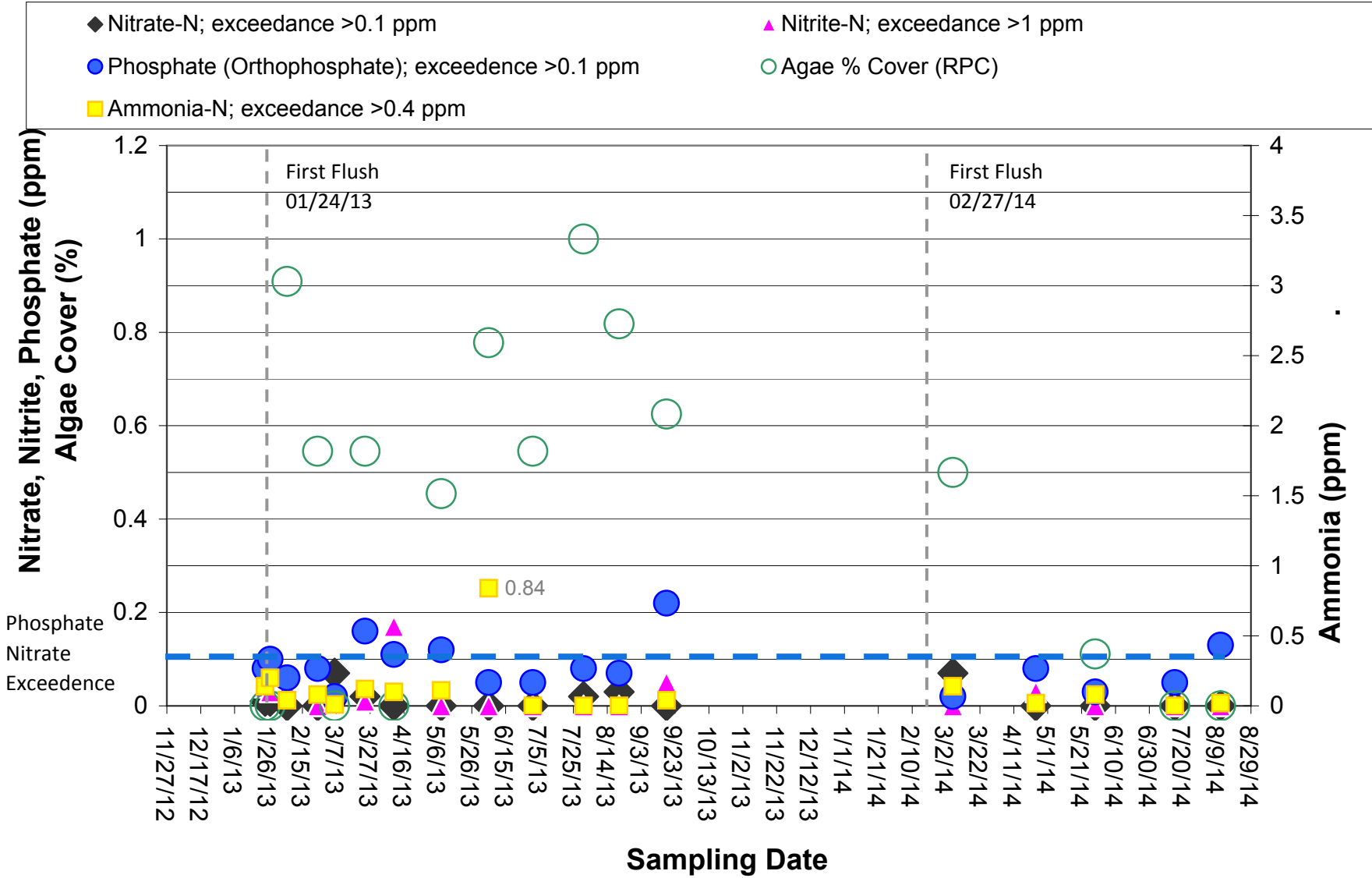
*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)



Snake Pit (300m)



Snake Pit (300m)



Snake Pit (Creek Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	HF183 avg copy/100ml	BacHum copy/100ml	Gull2Taq copy/100ml	DogBact copy/100ml		
10/21/2011	1989	<10	52	ND	ND	ND	ND	clear	dry
1/27/2012	52	<10	10	ND	ND	ND	ND	clear	wet
5/10/2012	733	41	10	ND	ND	ND	ND	clear	dry
10/24/2012	6867	3282	452	ND	ND	ND	9104.2	clear	dry
10/31/2012	>24196	<10	41					clear	dry
11/7/2012	1198	199	74	ND	ND	ND	ND	clear	wet
11/17/2012	24196	512	512	ND	ND	ND	ND	rain	wet
11/29/2012	2224	399	275	ND	205.3	ND	688.9	clear	wet
12/19/2012	2142	132	31	ND	ND	ND	ND	clear	wet
1/9/2013	1017	<10	31	ND	ND	ND	ND	clear	wet
1/27/2013	663	75	275	ND	289.9	ND	ND	clear	wet
2/6/2013	345	<10	10	ND	ND	ND	351.4	clear	wet
2/24/2013	250	<10	10	ND	ND	ND	ND	clear	wet
3/6/2013	3076	10	20	ND	ND	ND	ND	clear	wet
3/24/2013	1046	20	31	ND	ND	505.0	ND	clear	wet
4/10/2013	2187	<10	20	ND	ND	280.7	ND	clear	dry
5/8/2013	1515	52	20	ND	ND	ND	ND	clear	dry
6/5/2013	4106	20	41	ND	ND	ND	ND	clear	dry
7/1/2013	2924	52	63	ND	ND	ND	ND	clear	dry
7/31/2013	6867	41	248	ND		ND	ND	clear	dry
8/21/2013	9139	41	86	ND		336.5	ND	clear	dry
9/18/2013	17329	73	63	ND		ND	303.3	clear	dry
10/23/2013	1296	<10	<10	ND		ND	ND	clear	wet
3/6/2014	6131	109	98	ND		#N/A	611.0	clear	wet
4/24/2014	30.4	<10	156.3	#N/A		#N/A	#N/A	clear	wet
7/2/2014	7701	259	243	ND		ND	ND	clear	dry
7/15/2014	>24196	187	52	ND		ND	ND	clear	dry
8/11/2014	1894	<10	20	ND		344.4		clear	dry

Rain Events

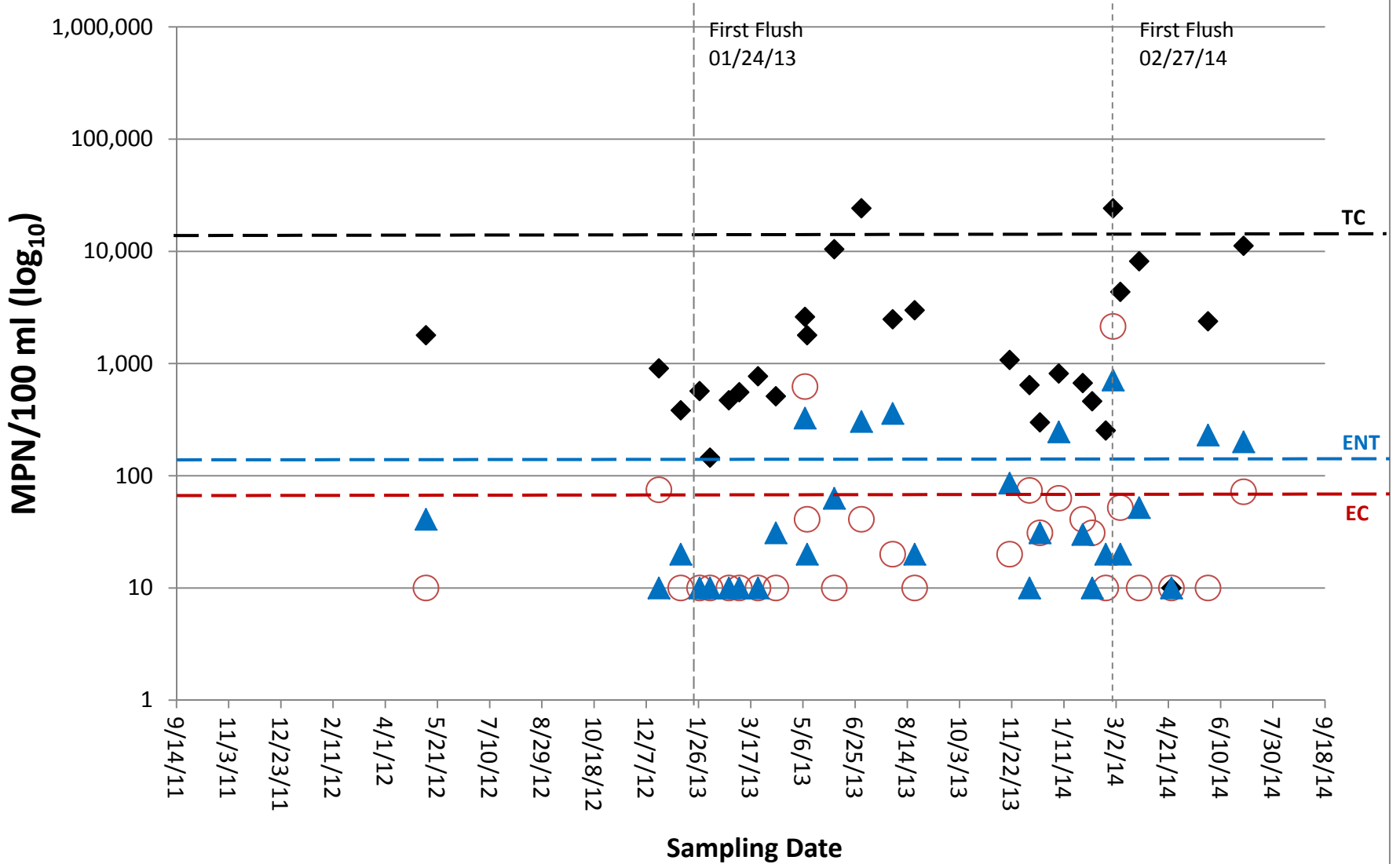
Bold Value= Exceedance

BacHum only collected until July 2013

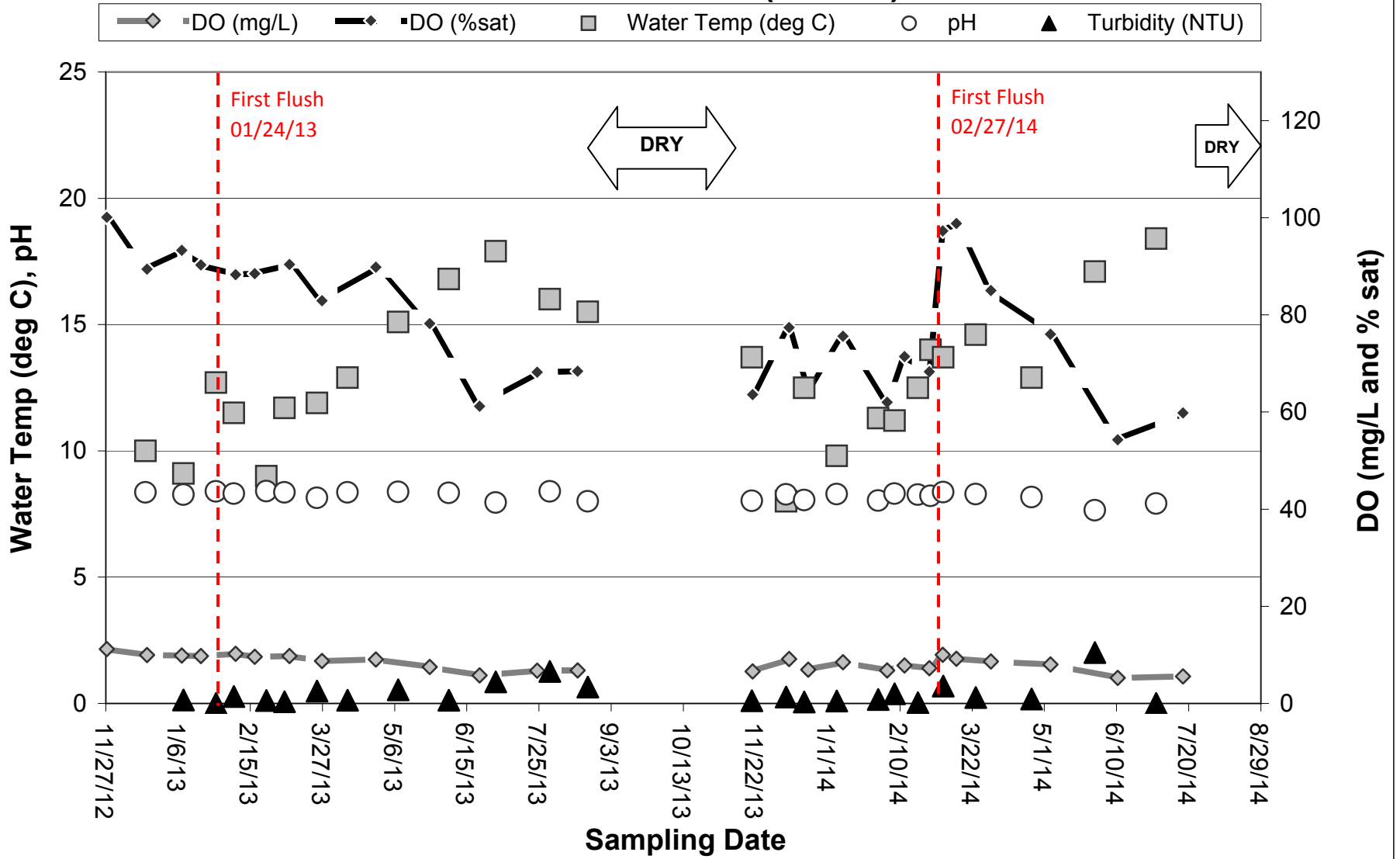
Brookside Dr (BR) 1700m

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)

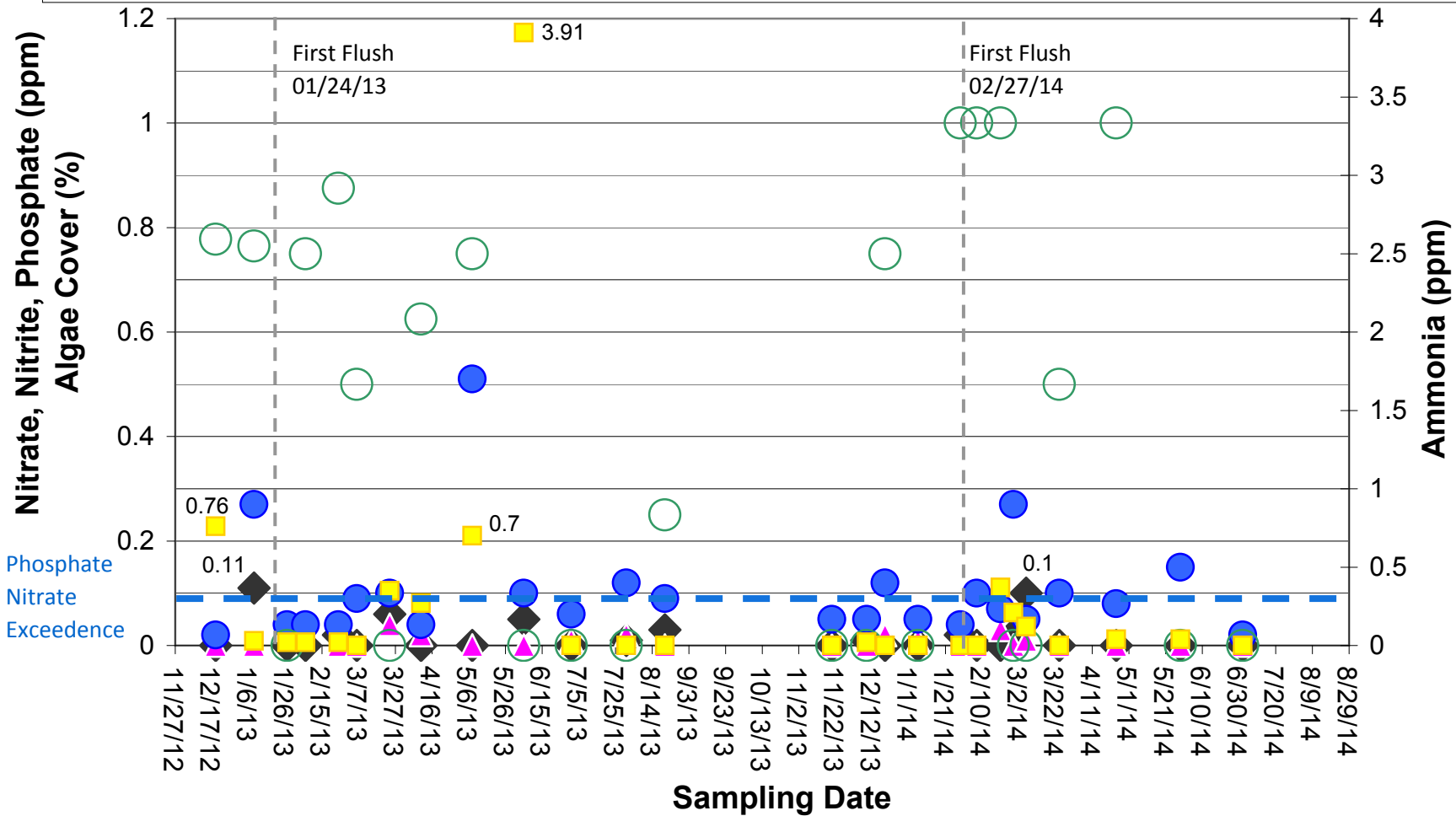


Brookside Dr (1700m)



Brookside Dr (1700m)

- ◆ Nitrate-N; exceedance >0.1 ppm
- Phosphate (Orthophosphate); exceedance >0.1 ppm
- Ammonia-N; exceedance >0.4 ppm
- ▲ Nitrite-N; exceedance >1 ppm
- Algae % Cover (RPC)



Brookside Dr. (Creek Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
5/10/2012	1789	<10	41	ND	ND	ND	ND	clear	dry
12/19/2012	906	75	10	ND	171.9	ND	ND	clear	wet
1/9/2013	383	<10	20	ND	ND	451073.4	ND	clear	wet
1/27/2013	568	<10	<10	ND	ND	ND	ND	clear	wet
2/6/2013	145	<10	<10	ND	ND	ND	ND	clear	wet
2/24/2013	471	<10	<10	ND	ND	ND	ND	clear	wet
3/6/2013	556	<10	10	ND	ND	ND	ND	clear	wet
3/24/2013	771	10	<10	ND	ND	9202.9	ND	clear	wet
4/10/2013	512	<10	31	ND	ND	ND	ND	clear	dry
5/8/2013	2603	624	327	69.4	808.6	ND	ND	clear	dry
5/10/2013	1789	41	20	ND	ND	ND	232.0	clear	dry
6/5/2013	10462	<10	63	ND	ND	ND	ND	clear	dry
7/1/2013	>24196	41	305	ND	ND	ND	ND	clear	dry
7/31/2013	2481	20	359	ND		ND	ND	clear	dry
8/21/2013	2987	10	20	ND		ND	ND	clear	dry
11/20/2013	1076	20	86	ND		ND	#DIV/0!	clear	wet
12/9/2013	644	74	<10	ND		ND	10643.7	clear	wet
12/19/2013	299	31	31	ND		ND	419.2	clear	wet
1/6/2014	816	63	246	ND		ND	ND	clear	wet
1/29/2014	670	41	30	ND		ND	ND	clear	wet
2/7/2014	462	31	<10	ND		ND	ND	rain w/in 24hr	wet
2/20/2014	253	10	20	ND		ND	ND	clear	wet
2/27/2014	24196	2142	714	55.3		ND	42130.6	FF/rain	wet
3/6/2014	4352	52	20	ND		ND	ND	clear	wet
3/24/2014	8164.1	10	52.1	ND		ND		clear	wet
4/24/2014	<10	<10	10	ND		ND	ND	clear	wet
5/29/2014	2382	10	231	#N/A		#N/A	#N/A	clear	dry
7/2/2014	11199	72	201	ND		ND	ND	clear	dry

Rain Events

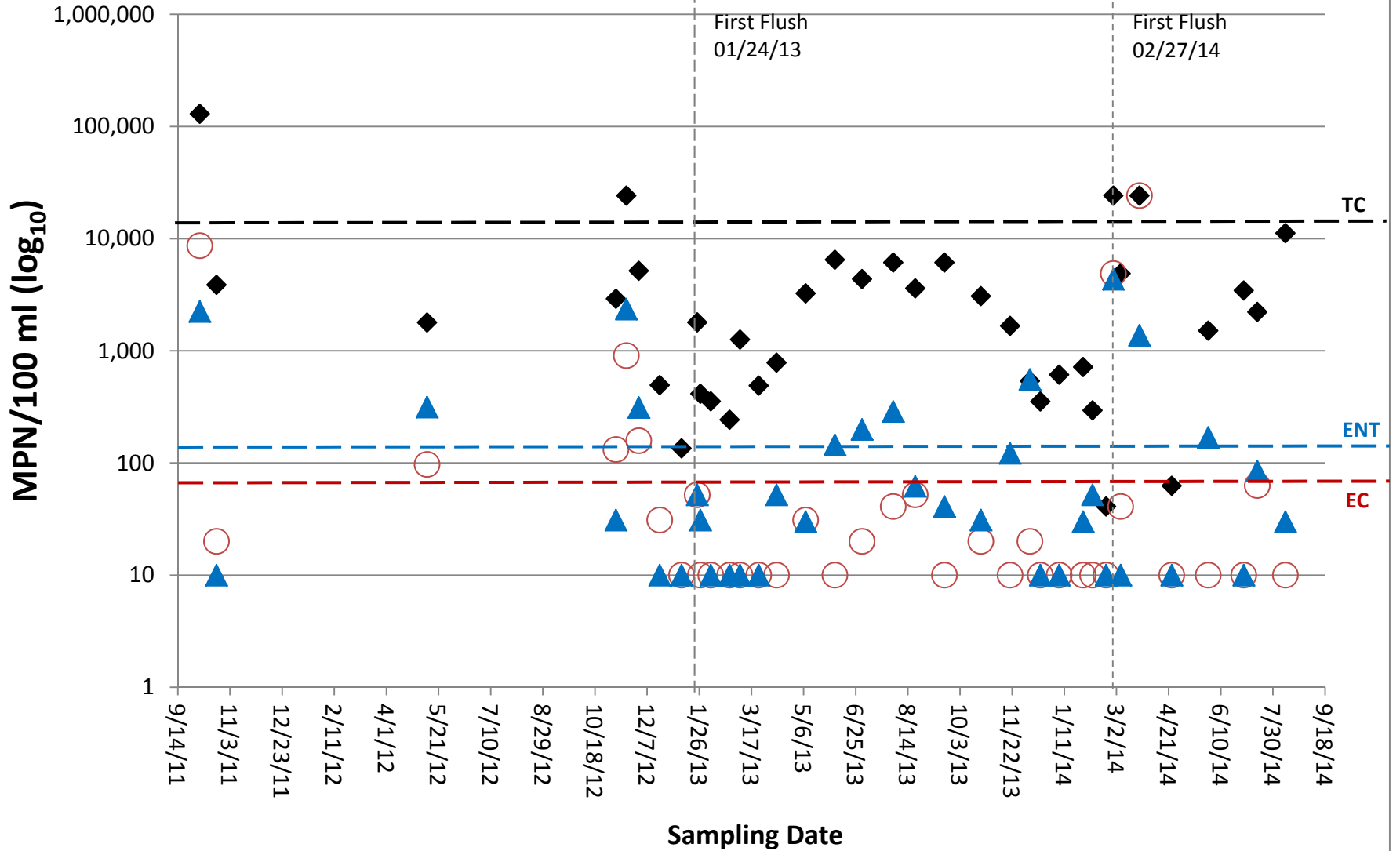
Bold Value= Exceedance

BacHum only collected until July 2013

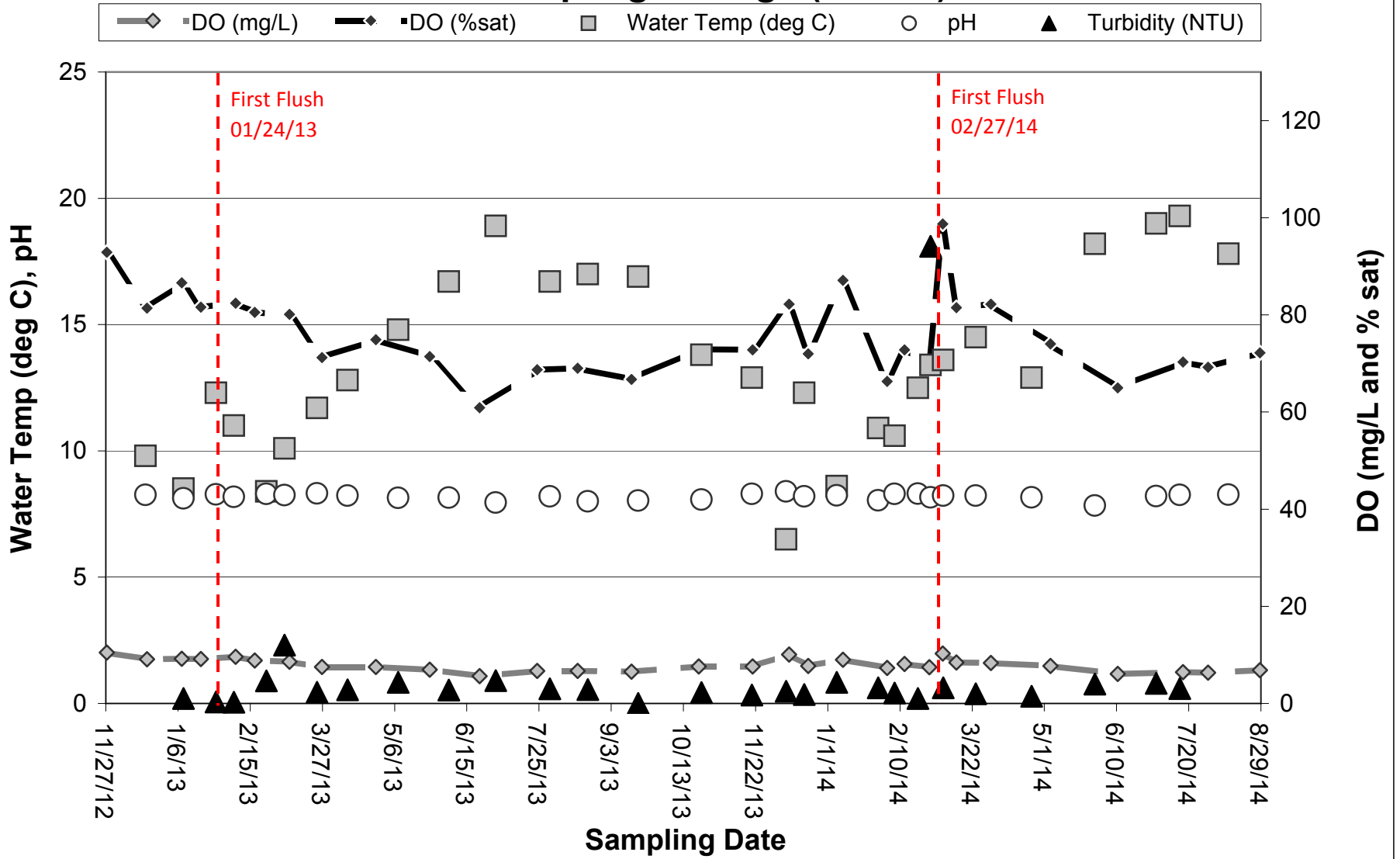
Topanga Bridge (TB) 3600m

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

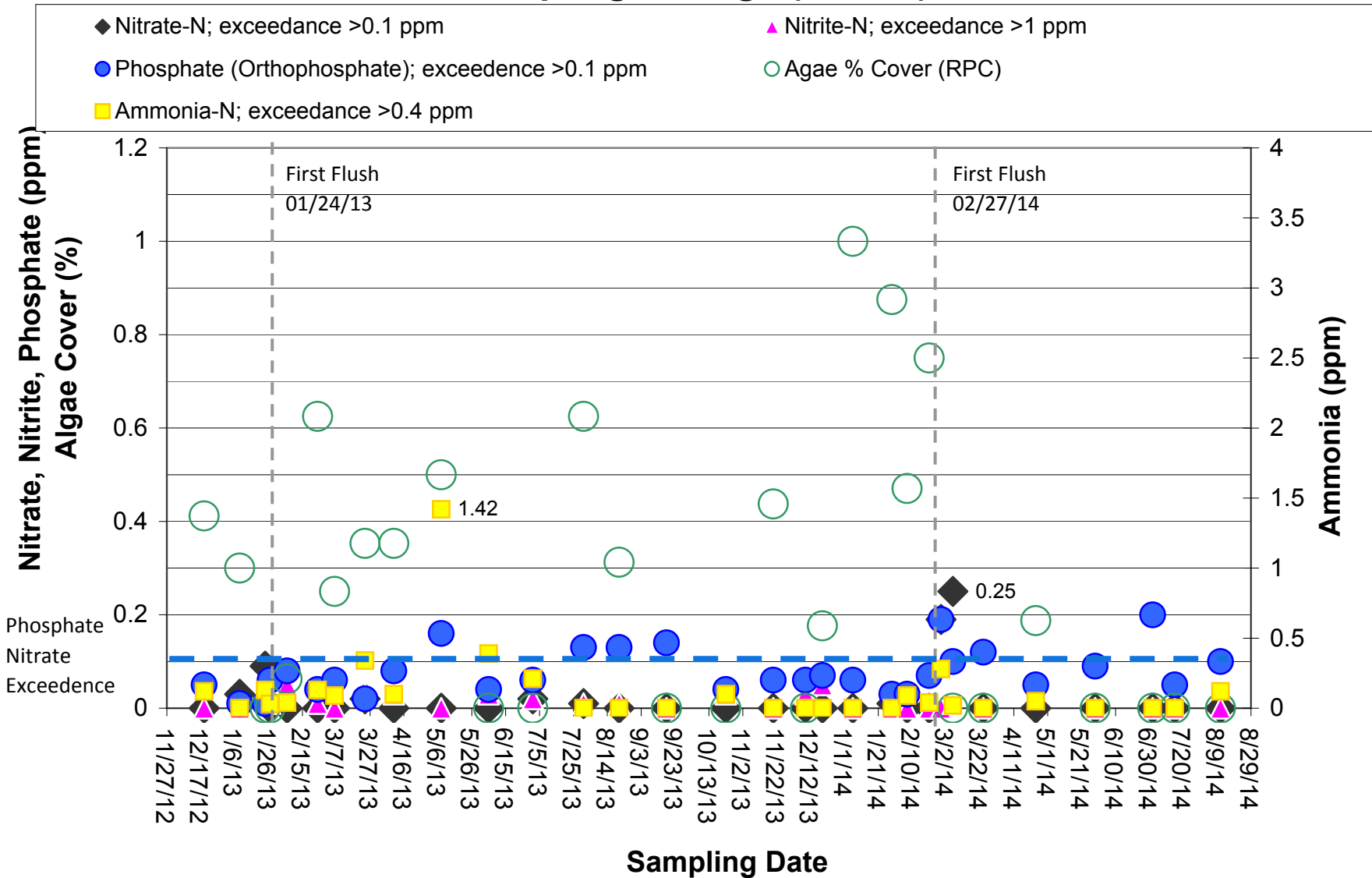
*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)



Topanga Bridge (3600m)



Topanga Bridge (3600m)



Topanga Bridge (Creek Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	HF183 avg copy/100ml	BacHum copy/100ml	Gull2Taq copy/100ml	DogBact copy/100ml		
10/5/2011	129970	8664	2247	994.6	4808.7	ND	11535.3	rain	dry
10/21/2011	3873	20	10	ND	ND	ND	ND	clear	dry
5/10/2012	1789	97	315	90.6	318.6	ND	ND	clear	dry
6/28/2012				135.2		ND	ND	clear	dry
11/7/2012	2909	132	31	97.4	183.8	ND	ND	clear	wet
11/17/2012	24196	906	2359	ND	56.1	ND	271.7	rain	wet
11/29/2012	5172	158	313	ND	ND	ND	ND	clear	wet
12/19/2012	495	31	10	ND	ND	1016331.2	ND	clear	wet
1/9/2013	135	<10	<10	ND	ND	ND	ND	clear	wet
1/24/2013	1793	52	52	ND	131.0	ND	1429.8	rain	wet
1/27/2013	414	<10	31	ND	ND	19834624.2	ND	clear	wet
2/6/2013	355	<10	10	ND	ND	ND	ND	clear	wet
2/24/2013	243	<10	<10	ND	ND	ND	ND	clear	wet
3/6/2013	1259	<10	<10	ND	96.4	ND	ND	clear	wet
3/24/2013	489	<10	10	ND	ND	7746.7	ND	clear	wet
4/10/2013	785	<10	52	ND	ND	ND	ND	clear	dry
5/8/2013	3255	31	30	ND	ND	ND	ND	clear	dry
6/5/2013	6488	10	145	ND	ND	ND	33289.0	clear	dry
7/1/2013	4360	20	199	ND	ND	ND	ND	clear	dry
7/31/2013	6131	41	288	ND		ND	ND	clear	dry
8/21/2013	3609	52	62	ND		ND	ND	clear	dry
9/18/2013	6131	10	41	ND		ND	1714.5	clear	dry
10/23/2013	3076	20	31	ND		ND	ND	clear	wet
11/20/2013	1670	10	122	ND		4881.6	503.9	clear	wet
12/9/2013	538	20	556	ND		ND	#DIV/0!	clear	wet
12/19/2013	354	<10	<10	ND		ND	ND	clear	wet
1/6/2014	613	<10	10	ND		ND	ND	clear	wet
1/29/2014	717	<10	30	ND		ND	ND	clear	wet
2/7/2014	295	<10	52	ND		ND	ND	rain w/in 24	wet
2/20/2014	41	<10	10	ND		27381.2	ND	clear	wet
2/27/2014	24196	4884	4352	ND		ND	ND	FF/rain	wet
3/6/2014	4884	41	<10	ND		ND	ND	clear	wet
3/24/2014	>24196	24195.7	1376.1	ND		12007.2		clear	wet
4/24/2014	62.6	<10	10	ND		ND	ND	clear	wet
5/29/2014	1515	<10	169	ND		ND	ND	clear	dry
7/2/2014	3448	10	10	ND		ND	ND	clear	dry
7/15/2014	2224	63	85	ND		ND	ND	clear	dry
8/11/2014	11199	<10	30	ND		ND		clear	dry

Rain Events

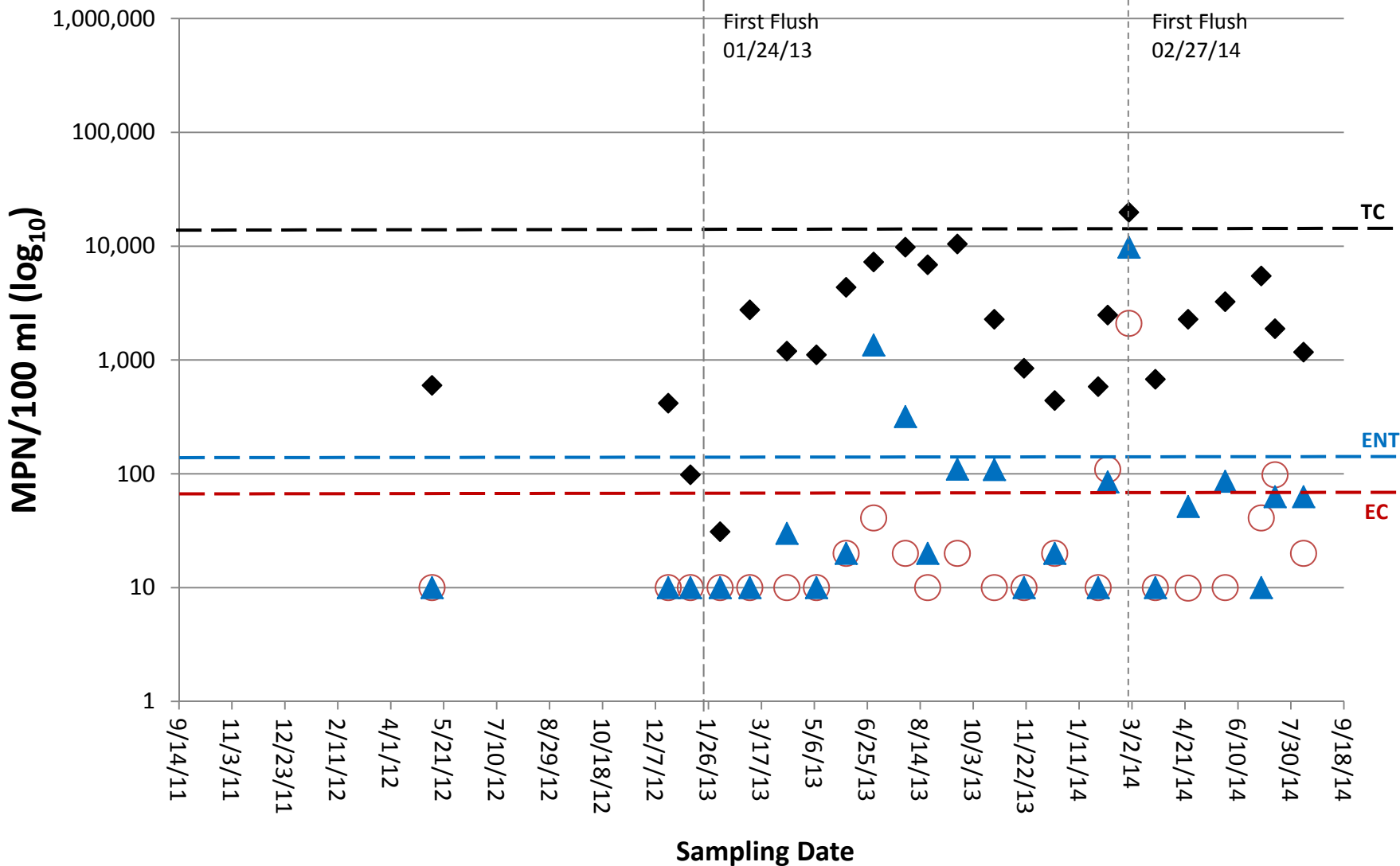
Bold Value = Exceedance

BacHum only collected until July 2013

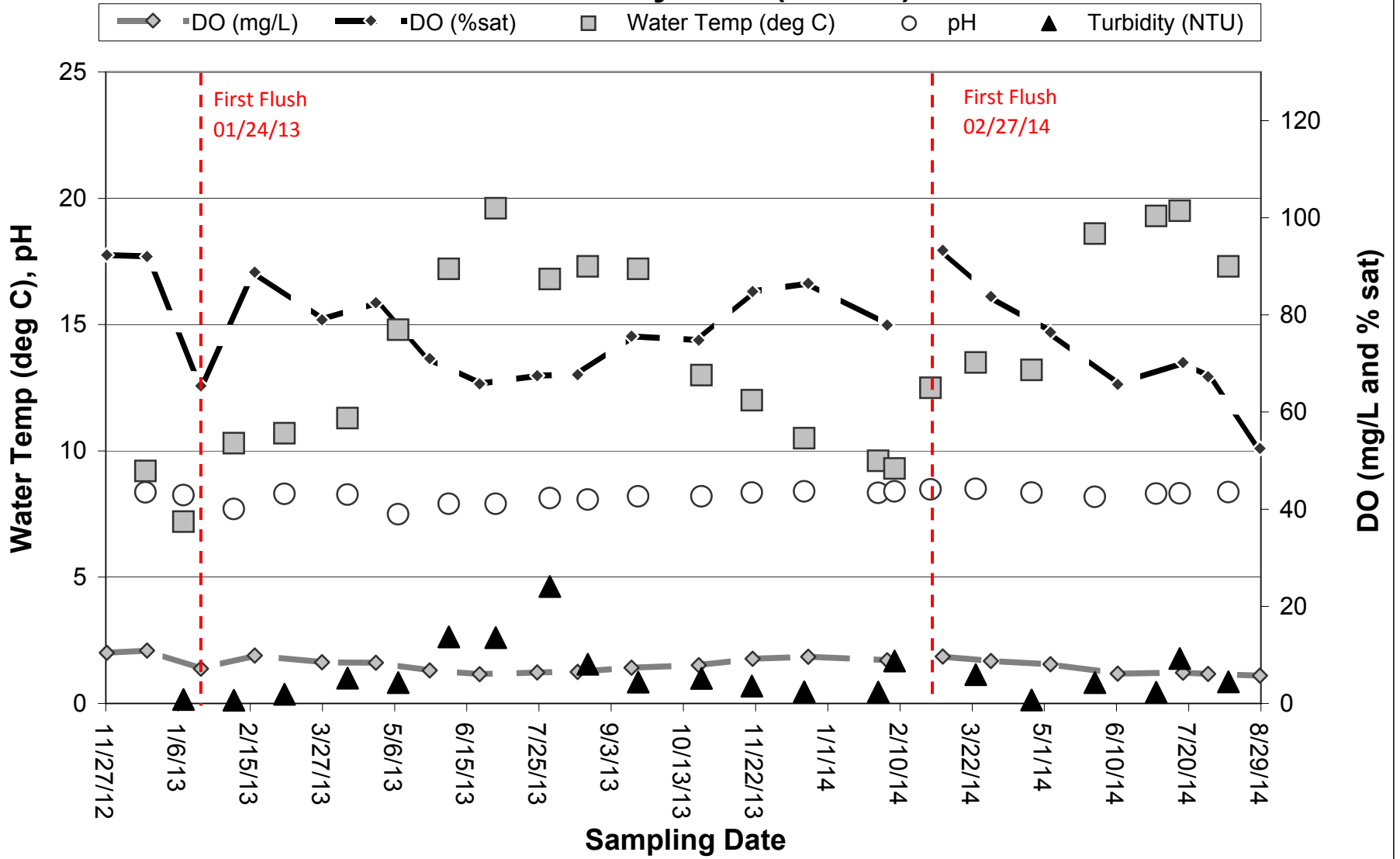
Scratchy Trail (ST) 4800m

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

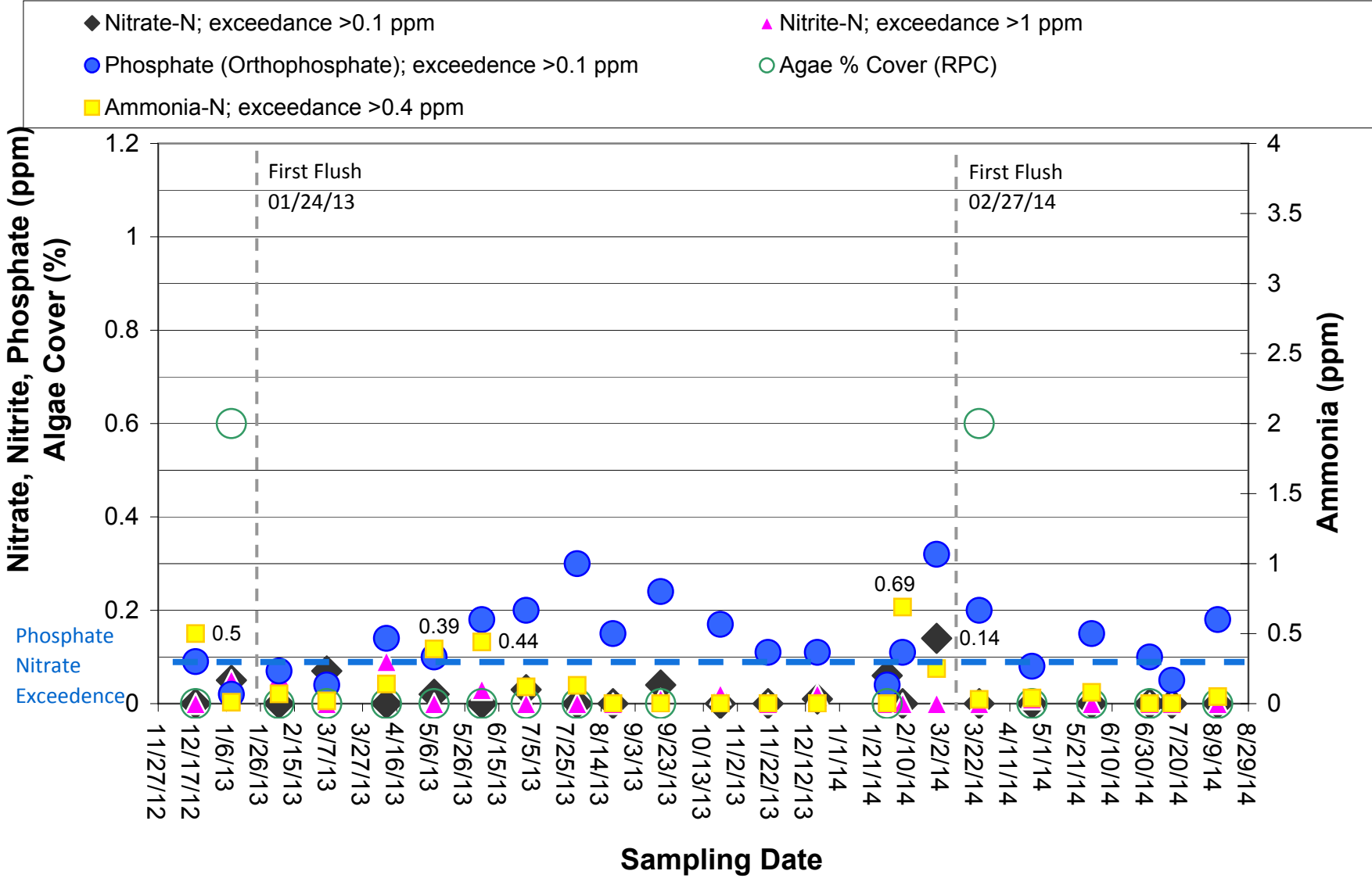
*values shown as 10 MPN/100ml (log₁₀) are actually <10 (from 0 to 10)



Scratchy Trail (4800m)



Scratchy Trail (4800m)



Scratchy Trail (Creek Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
5/10/2012	598	<10	10	ND	ND	ND	ND	clear	dry
12/19/2012	417	<10	10	ND	ND	ND	ND	clear	wet
1/9/2013	98	<10	<10	ND	ND	ND	ND	clear	wet
2/6/2013	31	<10	<10	ND	ND	717.8	ND	clear	wet
3/6/2013	2755	<10	<10	ND	67.0	ND	ND	clear	wet
4/10/2013	1198	10	30	ND	ND	ND	ND	clear	dry
5/8/2013	1112	<10	10	ND	ND	ND	ND	clear	dry
6/5/2013	4352	20	20	ND	ND	ND	ND	clear	dry
7/1/2013	7270	41	1354	ND	ND	ND	ND	clear	dry
7/31/2013	9804	20	318	65.3		ND	ND	clear	dry
8/21/2013	6867	<10	20	ND		ND	ND	clear	dry
9/18/2013	10462	20	110	ND		ND	ND	clear	dry
10/23/2013	2282	10	109	ND		ND	ND	clear	wet
11/20/2013	845	10	<10	ND		ND	#DIV/0!	clear	wet
12/19/2013	441	20	20	ND		ND	ND	clear	wet
1/29/2014	583	<10	10	ND		ND	ND	clear	wet
2/7/2014	2481	109	85	ND		#N/A	#N/A	rain w/in 24	wet
2/27/2014	19863	2098	9804	3669.9		ND	76567.0	FF/rain	wet
3/24/2014	676.6	10	10	ND		ND		clear	wet
4/24/2014	2281.8	9.9	51.6	ND		ND	ND	clear	wet
5/29/2014	3255	<10	86	31.9		ND	ND	clear	dry
7/2/2014	5475	41	<10	ND		ND	ND	clear	dry
7/15/2014	1882	98	63	ND		ND	ND	clear	dry
8/11/2014	1173	20	63	ND		ND		clear	dry

Rain Event

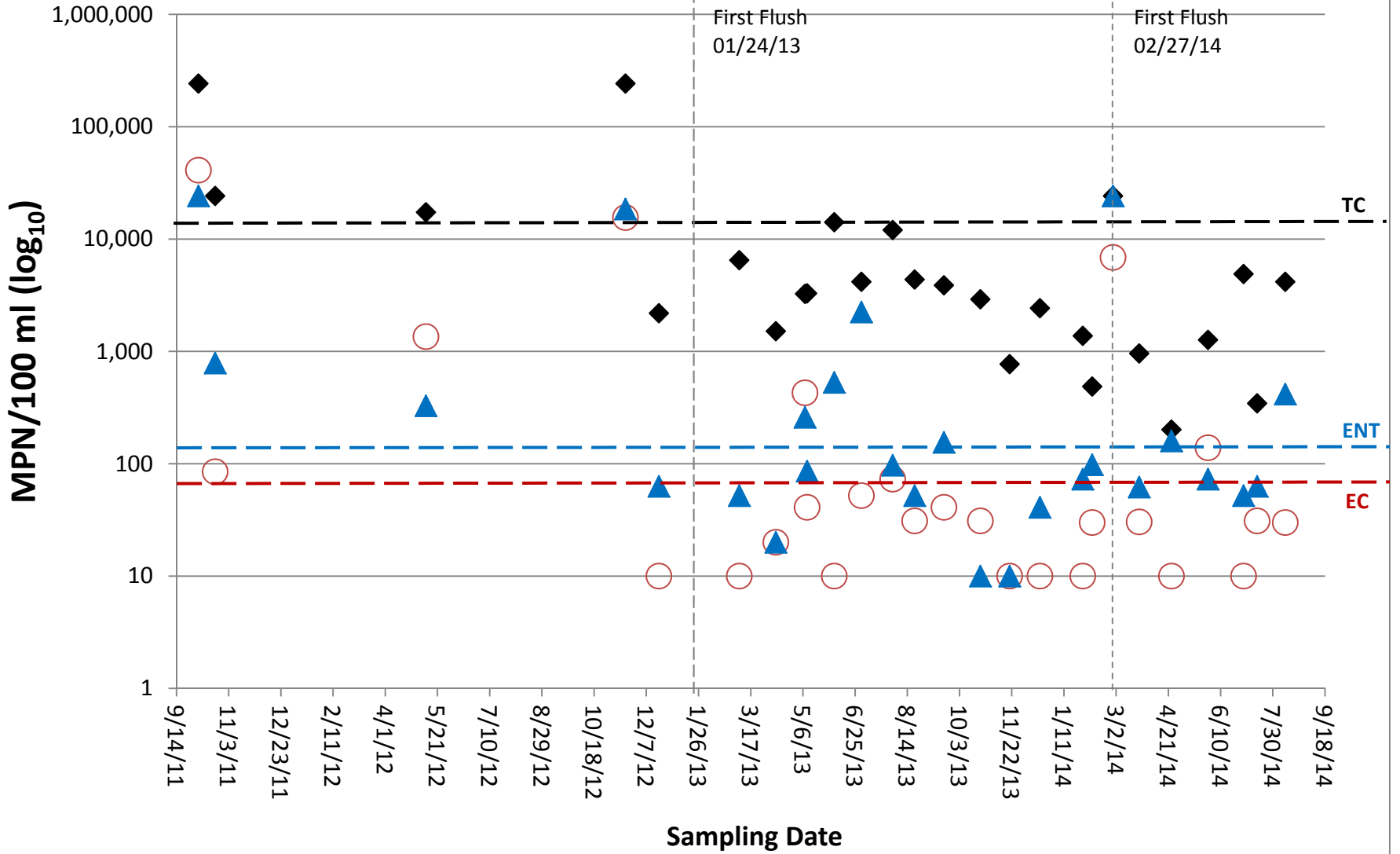
Bold Value= Exceedance

BacHum only collected until July 2013

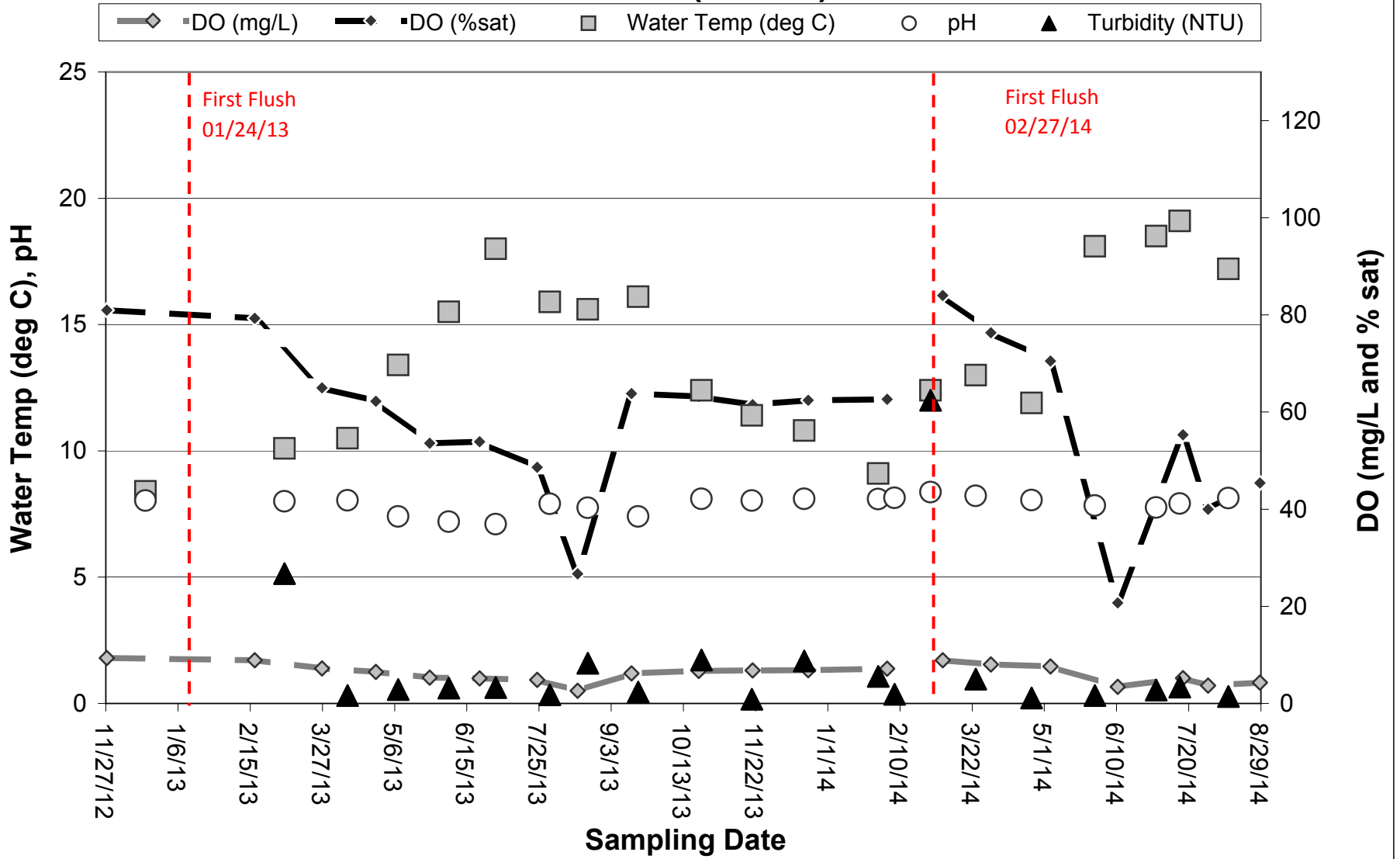
Owl Falls (OF) 6500m

◆ Total Coliform (>10,000 MPN) ○ E. coli (>61 MPN FW) ▲ Enterococcus (>104 MPN)

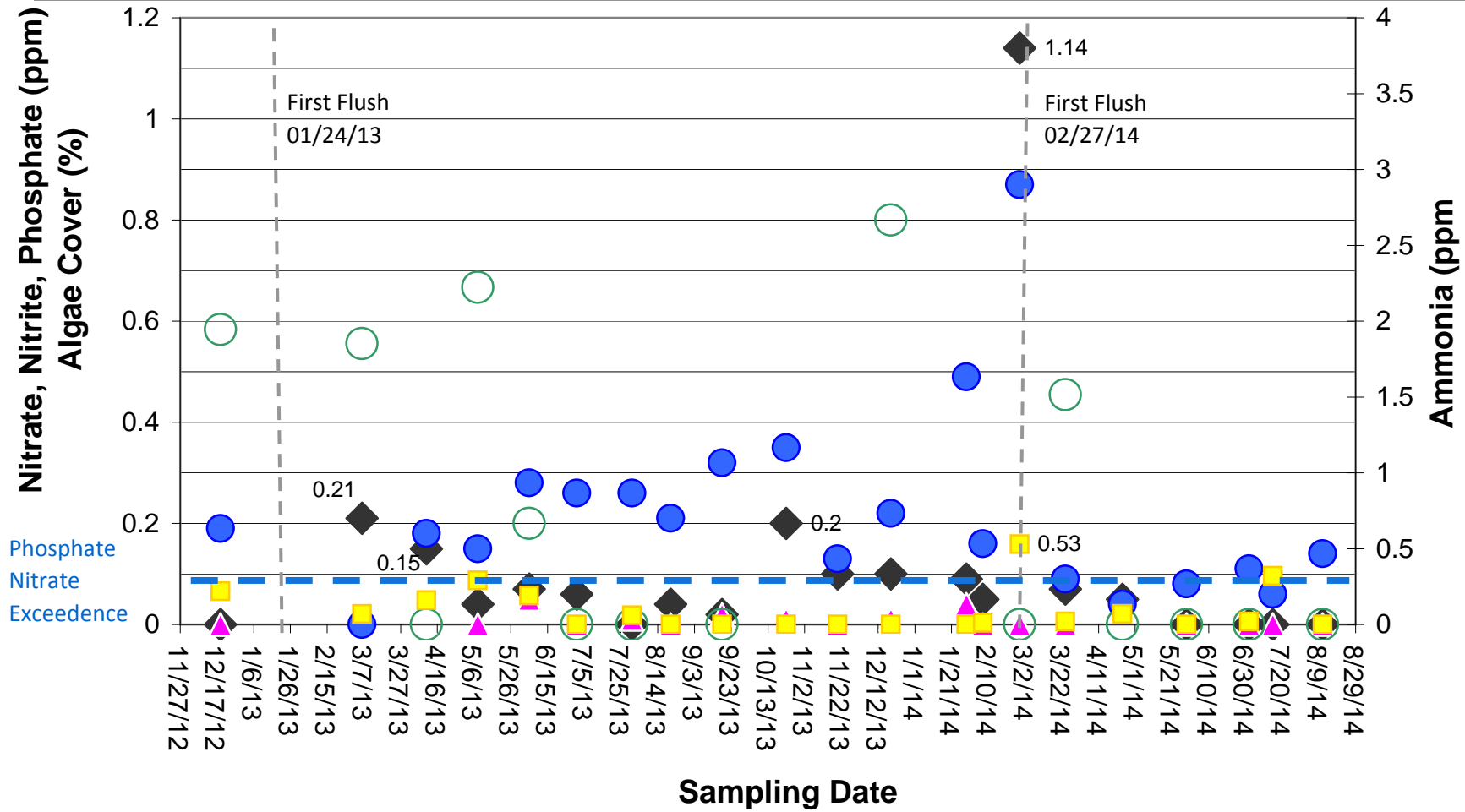
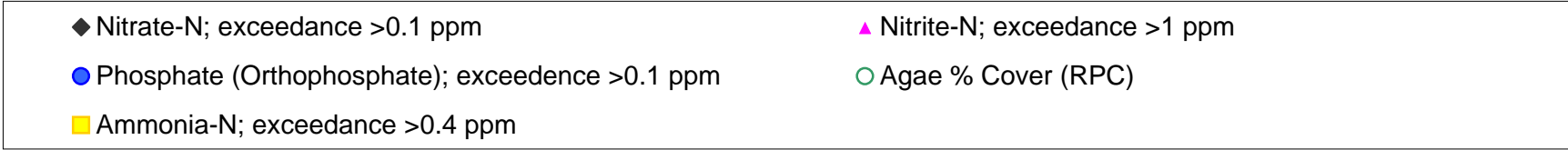
*values shown as 10 MPN/100ml (log10) are actually <10 (from 0 to 10)



Owl Falls (6500m)



Owl Falls (6500m)



Owl Falls (Creek Site) - FIB Marker Results Summary									
Date	IDEXX Results			QPCR Results				Weather	Season
	TC	EC	ENT	HF183 avg	BacHum	Gull2Taq	DogBact		
	MPN/100ml	MPN/100ml	MPN/100ml	copy/100ml	copy/100ml	copy/100ml	copy/100ml		
10/5/2011	241960	41060	24196	1847.1	10999.1	ND	46504.6	rain	dry
10/21/2011	24196	85	789	55.1	252.0	ND	ND	clear	dry
5/10/2012	17329	1354	328	88.4	517.0	ND	ND	clear	dry
11/17/2012	>241960	15531	18500	9992.4	29120.6	ND	866570.3	rain	wet
12/19/2012	2187	<10	63	ND	ND	ND	593.4	clear	wet
3/6/2013	6488	<10	52	901.9	2305.7	ND	863.7	clear	wet
4/10/2013	1515	20	20	1646.3	6252.5	ND	ND	clear	dry
5/8/2013	3255	428	259	55.1	189.5	ND	ND	clear	dry
5/10/2013	3282	41	86	ND	ND	ND	ND	clear	dry
6/5/2013	14136	10	530	ND	ND	ND	ND	clear	dry
7/1/2013	4160	52	2247	ND	957.5	ND	ND	clear	dry
7/31/2013	12033	73	97	ND		ND	ND	clear	dry
8/21/2013	4360	31	52	116.0		ND	ND	clear	dry
9/18/2013	3873	41	155	ND		ND	ND	clear	dry
10/23/2013	2909	31	<10	586.4		377.4	ND	clear	wet
11/20/2013	771	10	<10	125.4		ND	#DIV/0!	clear	wet
12/19/2013	2427	<10	41	ND		ND	ND	clear	wet
1/29/2014	1376	10	73	ND		ND	7097.6	clear	wet
2/27/2014	24196	6867	24196	10586.1		ND	348224.0	FF/rain	wet
2/27/2014	24196	6867	12997	28129.5		ND	168434.9	FF/rain	wet
3/24/2014	959.4	30.4	62	ND		ND		clear	wet
4/24/2014	201.1	<10	159.6	32.6		ND	ND	clear	wet
5/29/2014	1267	139	73	ND		ND	ND	clear	dry
7/2/2014	4884	<10	52	ND		ND	ND	clear	dry
7/15/2014	345	31	63	ND		ND	ND	clear	dry
8/11/2014	4160	30	417	252.1		ND		clear	dry

Rain Event

Bold Value = Exceedance

BacHum only collected until July 2013

19-Dec-12

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Owl Falls	2187	<10	63	0	0	0.22	0.19	ND
Sratchy Trail	417	<10	10	0	0	0.5	0.09	ND
Topanga Bridge	495	31	10	0	0	0.12	0.05	ND
Brookside Dr	906	75	10	0	0	0.76	0.02	ND
Snake Pit	2142	132	31	0	0	1.95	0.07	ND
PCH Hwy Bridge	14136	1670	146	.	.	.	.	.
Top lagoon east	13760	1376	171	0	0	0.13	0.05	ND
Lagoon outlet	24196	1333	292	.	.	.	.	.
Beach outlet	98	10	63	.	.	.	.	.
Beach upcoast	75	20	20	.	.	.	.	.

* note- nitrite, ammonia, phosphate not corrected for using reagent blank

Highlighted values indicate exceedances

9-Jan-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Behind Abuelitas	759	10	134	0.02	0.07	2.66	0.1	0.63
Sratchy Trail	98	<10	<10	0.05	0.05	0.01	0.02	0.16
Topanga Bridge	135	<10	<10	0.03	0	0	0.01	0.2
Brookside Dr	383	<10	20	0.11	0	0.03	0.27	0.14
Snake Pit	1017	<10	31	0.08	0	0.12	0.06	0.18
PCH Hwy Bridge	908	299	134	na	na	na	na	na
Top lagoon east	1664	327	86	0.02	0	0.03	0	0.97
Lagoon outlet	1112	259	97	na	na	na	na	na
Beach outlet	41	31	31	na	na	na	na	na
Beach upcoast	20	<10	20	na	na	na	na	na
Lifeguard Station	<10	<10	<10	11.66	0.13	12.33	9.8	2.16

6-Feb-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Behind Abuelitas	323	20	281	0	0.05	0.05	0.11	0.88
Sratchy Trail	31	<10	<10	0	0.06	0.07	0.07	0.13
Topanga Bridge	355	<10	10	0.00	0.05	0.04	0.08	0.05
Brookside Dr	145	<10	<10	0.00	0.04	0.02	0.04	0.28
Snake Pit	345	<10	10	0	0.04	0.04	0.06	0.07
PCH Hwy Bridge	3076	581	218	.	.	.	.	.
Top lagoon east	4611	712	142	0.00	0.04	0.00	0.03	0.13
Lagoon outlet	5794	2064	988	.	.	.	.	.
Beach outlet	327	41	10	.	.	.	.	.
Beach upcoast	605	52	31	.	.	.	.	.
Lifeguard Station	na	na	na	overrange	0.09	15.8	33	0.97

6-Mar-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Behind Abuelitas	909	75	384	0.01	0.00	0.00	0.03	1.41
Owl Falls	6488	<10	52	0.21	0.00	0.07	0.00	5.14
Sratchy Trail	2755	<10	<10	0.07	0.00	0.02	0.04	0.36
Topanga Bridge	1259	<10	<10	0.00	0.00	0.09	0.06	2.31
Brookside Dr	556	<10	10	0.00	0.00	0.00	0.09	0.07
Snake Pit	3076	10	20	0.07	0.01	0.01	0.02	0.28
PCH Hwy Bridge	2613	490	109	.	.	.	.	.
Top lagoon east	4352	933	455	0.00	0.00	0.00	0.04	3.86
Lagoon outlet	4352	862	175	.	.	.	.	.
Beach outlet	41	20	52	.	.	.	.	.
Beach upcoast	10	<10	148	.	.	.	.	.
Lifeguard Station	2400	<10	50	46.00	0.10	29.80	25.40	44.90

10-Apr-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	1515	20	20	0.15	0.05	0.16	0.18	0.31
Sratchy Trail	1198	10	30	0.00	0.09	0.14	0.14	1.00
Topanga Bridge	785	<10	52	0.00	0.03	0.10	0.08	0.54
Brookside Dr	512	<10	31	0.00	0.02	0.27	0.04	0.13
Snake Pit	2187	<10	20	0.00	0.17	0.10	0.11	0.08
PCH Hwy Bridge	3784	1565	253	.	.	.	.	.
Top lagoon east	4786	1835	350	0.00	0.05	0.10	0.01	8.42
Lagoon outlet	4360	1670	441	.	.	.	.	.
Beach outlet	75	<10	20	.	.	.	.	.
Beach upcoast	<10	<10	20	.	.	.	.	.
Lifeguard Station	794	<10	30	62	28	33.6	33	8.97

8-May-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	2382	62	98	0.02	0.00	0.03	1.03	0.28
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	3255	428	259	0.04	0.00	0.29	0.15	0.55
Sratchy Trail	1112	<10	10	0.02	0.00	0.39	0.10	0.83
Topanga Bridge	3255	31	30	0.00	0.00	1.42	0.16	0.84
Brookside Dr	2603	624	327	0.00	0.00	0.70	0.51	0.54
Snake Pit	1515	52	20	0.00	0.00	0.11	0.12	0.70
PCH Hwy Bridge	2098	31	20	.	.	.	.	.
Top lagoon east	2254	41	10	0.11	0.00	0.13	0.08	2.26
Lagoon outlet	2909	175	41	.	.	.	.	.
Beach outlet	63	<10	279	.	.	.	.	.
Beach upcoast	52	<10	<10	.	.	.	.	.
Lifeguard Station septage	185	<10	10	48	0.45	11.4	27	3.21
Lifeguard station beach	97	<10	3873	.	.	.	.	.

10-May-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	3282	41	86	.	.	.	.	.
Sratchy Trail	.	.	.	.	.	.	.	.
Topanga Bridge	.	.	.	.	.	.	.	.
Brookside Dr	1789	41	20	.	.	.	.	.
Snake Pit	.	.	.	.	.	.	.	.
PCH Hwy Bridge	.	.	.	.	.	.	.	.
Top lagoon east	959	20	10	.	.	.	.	.
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	10	<10	10	.	.	.	.	.
Beach upcoast	10	<10	<10	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	52	<10	<10	.	.	.	.	.
Tide Pool at BO	109	<10	<10	.	.	.	.	.
3rd Staircase East	20	<10	<10	.	.	.	.	.

5-Jun-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	14136	10	530	0.07	0.05	0.19	0.28	0.61
Sratchy Trail	4352	20	20	0.00	0.03	0.44	0.18	2.63
Topanga Bridge	6488	10	145	0.00	0.03	0.39	0.04	0.53
Brookside Dr	10462	<10	63	0.05	0.00	3.91	0.10	0.13
Snake Pit	4106	20	41	0.00	0.00	0.84	0.05	0.08
PCH Hwy Bridge	6131	31	52	.	.	.	.	.
Top lagoon east	2282	52	30	0.06	0.02	0.15	0.06	3.11
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	2489	<10	480	.	.	.	.	.
Beach upcoast	10	<10	10	.	.	.	.	.
Lifeguard Station septage	2224	<10	327	over	over	over	over	3.49
Lifeguard station beach	199	<10	4106	.	.	.	.	.

1-Jul-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	4160	52	2247	0.06	0.00	0.00	0.26	0.63
Sratchy Trail	7270	41	1354	0.03	0.00	0.12	0.20	2.61
Topanga Bridge	4360	20	199	0.02	0.02	0.21	0.06	0.9
Brookside Dr	#N/A	41	305	0.00	0.01	0.00	0.06	0.86
Snake Pit	2924	52	63	0.00	0.00	0.00	0.05	0
PCH Hwy Bridge	2224	41	30	.	.	.	.	.
Top lagoon east	2098	41	52	0.00	0.01	0.00	0.03	0.79
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	141	10	86	.	.	.	.	.
Beach upcoast	20	<10	<10	.	.	.	.	.
Lifeguard station beach	86	<10	52	.	.	.	.	.
Lifeguard Station septage	414	41	399	20.68	0.00	70.86	24.00	2.26

31-Jul-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	41058	3	97	0.00	0.01	0.06	0.26	0.34
Sratchy Trail	9804	20	318	0.00	0.00	0.13	0.30	4.63
Topanga Bridge	6131	41	288	0.01	0.01	0.00	0.13	0.58
Brookside Dr	2481	20	359	0.01	0.02	0.00	0.12	1.27
Snake Pit	6866	41	248	0.02	0.00	0.00	0.01	0.68
PCH Hwy Bridge	3076	20	160	.	.	.	.	.
Top lagoon east	7270	171	5794	0.00	0.00	0.00	0.06	0.89
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	201	<10	75	.	.	.	.	.
Beach upcoast	960	187	231	.	.	.	.	.
Lifeguard station beach	52	<10	97	.	.	.	.	.
Lifeguard Station septage	2987	<10	657	73.98	0.61	35.86	68.00	1.6

21-Aug-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	4360	31	52	0.04	0	0	0.21	1.59
Sratchy Trail	6867	<10	20	0	0	0	0.15	1.55
Topanga Bridge	3609	52	62	0	0.01	0	0.13	0.55
Brookside Dr	2987	10	20	0.03	0	0	0.09	0.65
Snake Pit	9139	41	86	0.03	0	0	0.07	0.22
PCH Hwy Bridge	5475	175	31	.	.	.	.	.
Top lagoon east	1607	119	109	0	0	0	0	2.41
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	20	<10	331	.	.	.	.	.
Beach upcoast	10	<10	10	.	.	.	.	.
Lifeguard Station septage	19863	<10	<10	83.98	0.11	38.8	19	5.88
Lifeguard station beach	<10	<10	109	.	.	.	.	.

18-Sep-13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	3873	41	155	0.05	0.03	0.12	0.32	0.45	
Sratchy Trail	10462	20	110	0.07	0.02	0.08	0.24	0.85	
Topanga Bridge	6131	10	41	0.03	0.01	0.07	0.14	-0.01	
Brookside Dr	.	.	.	.	.	.	.	.	DRY
Snake Pit	17329	73	63	0.02	0.06	0.24	0.22	7.89	Very low
PCH Hwy Bridge	2382	20	457	.	.	.	.	.
Top lagoon east	3784	146	168	0.0	0.01	0.08	0.03	2.16	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	110	52	135	.	.	.	.	.
Beach upcoast	20	<10	<10	.	.	.	.	.
Lifeguard Station septage	504	<10	40	OR	0.03	2.93	3.04	-0.29	1:100 dilution nitrate still overrange
Lifeguard station beach	85	10	86	.	.	.	.	.

10.23.13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	2909	30.6	<10	0.23	0.01	0.11	0.35	1.72	
Sratchy Trail	2282	10	108.9	0.02	0.01	0.05	0.17	0.99	
Topanga Bridge	3076	19.9	30.6	0.01	0.01	0.3	0.04	0.43	
Brookside Dr	.	.	.	.	.	.	.	.	DRY
Snake Pit	1296	<10	<10	0	0.01	0.05	0.04	5.76	
PCH Hwy Bridge	2046	663.2	62.6	.	.	.	.	.
Top lagoon east	620	20.2	10	0.06	0.01	0.09	0.06	2.71	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	<10	<10	30.6	.	.	.	.	.
Beach upcoast	<10	<10	<10	.	.	.	.	.
Lifeguard Station septage	3448	780	<10	94	0.01	9	42	1.71	
Lifeguard station beach	<10	<10	20	.	.	.	.	.

11.20.13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	771	10	<10	0.1	0	0	0.13	0.17	
Sratchy Trail	984	10	<10	0	0	0	0.11	0.69	
Topanga Bridge	1670	10	122	0	0	0	0.06	0.33	
Brookside Dr	1145	20	86	0	0	0	0.05	0.11	
Snake Pit	.	.	.	.	.	.	.	.	DRY
PCH Hwy Bridge	1723	420	41	.	.	.	.	.
Top lagoon east	638	97	31	0	0	0	0	3.48	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	41	<10	31	.	.	.	.	.
Beach upcoast	10	<10	20	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	41	10	63	.	.	.	.	.

12.9.13

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	.	.	.	.	.	.	.	.	Not collected
Sratchy Trail	.	.	.	.	.	.	.	.	Not collected
Topanga Bridge	538	20	556	0	0.03	0	0.06	0.48	
Brookside Dr	644	74	<10	0.01	0	0.02	0.05	0.26	
Snake Pit	.	.	.	.	.	.	.	.	DRY
PCH Hwy Bridge	2613	332	134	.	.	.	.	.
Top lagoon east	1281	132	173	0.18	0	0	0	4.13	
Lagoon outlet									
Beach outlet	86	41	41	.	.	.	.	.
Beach upcoast	75	31	<10	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	41	<10	20	.	.	.	.	.

1.6.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	.	.	.	.	.	.	.	.	Not collected
Sratchy Trail	.	.	.	.	.	.	.	.	Not collected
Topanga Bridge	613	<10	10	0	0.01	0	0.05	0.1	
Brookside Dr	816	63	246	0	0	0	0	2	
Snake Pit	.	.	.	.	.	.	.	.	DRY
PCH Hwy Bridge	906	313	209	.	.	.	.	.
Top lagoon east	880	228	185	0	0	0	0.06	0.84	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	73	30	10	.	.	.	.	.
Beach upcoast	41	20	10	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	85	20	62	.	.	.	.	.

1.29.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	1376	10	73	0.09	0.04	0	0.49	1.07	
Scratchy Trail	583	<10	10	0.06	0	0	0.04	0.45	
Topanga Bridge	717	<10	30	0.01	0	0	0.03	0.62	
Brookside Dr	670	41	30	0.02	0	0	0.04	0.16	
Snake Pit	.	.	.	0.03	0	0	0.06	0.2	DRY
PCH Hwy Bridge	1198	420	399	.	.	.	.	.
Top lagoon east	1439	712	1334	0	0.01	0	0.01	1.8	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	51	<10	20	.	.	.	.	.
Beach upcoast	216	<10	20	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	98	41	30	.	.	.	.	.
Scratchy Trail upper	233	<10	20	.	.	.	.	.
Dix Creek at main creek	663	146	187	.	.	.	.	.

2.7.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive				
Behind Abuelitas				
Owl Falls				0.05	0	0.01	0.16	0.36	
Sratchy Trail				0	0	0.69	0.11	1.68	
Topanga Bridge				0	0	0.09	0.03	0.41	
Brookside Dr				0	0	0	0.1	0.38	
Snake Pit				DRY
PCH Hwy Bridge				
Top lagoon east				0	0	0.7	0	4.11	
Lagoon outlet				
Beach outlet				
Beach upcoast				
Lifeguard Station septage				
Lifeguard station beach				

2.20.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	.	.	.	.	.	.	.	.	not collected
Sratchy Trail	.	.	.	.	.	.	.	.	not collected
Topanga Bridge	.	.	.	0	0	0.04	0.07	0.2	
Brookside Dr	253	10	20	0	0.03	0.37	0.07	0.03	
Snake Pit	.	.	.	.	.	.	.	.	DRY
PCH Hwy Bridge	3654	1169	185	.	.	.	.	.
Top lagoon east	2247	1162	185	0	0	0.02	0	3.19	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	31	31	97	.	.	.	.	.
Beach upcoast	20	10	41	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	31	20	108	.	.	.	.	.

2.27.14 FIRST FLUSH

FIB 2/28/14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	.	.	.	1.14	0	0.35	0.53	12
Scratchy Trail	.	.	.	0.14	0	0.07	0.25	38.2
Topanga Bridge	.	.	.	0.19	0	0.1	0.28	18.1
Brookside Dr	.	.	.	0.02	0	0.03	0.21	29.3
Snake Pit	.	.	.	.	.	.	.	.
PCH Hwy Bridge	>241960	19863	81640	.	.	.	.	.
Top lagoon east	91390	26030	29240	0.26	0	0.42	0.37	35.1
Lagoon outlet	241960	19863	24196	.	.	.	.	.
Beach outlet	155310	19863	34360	.	.	.	.	.
Beach upcoast	576	98	134	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	.	.	.	.	.	.	.	.
Dix Creek	.	.	.	0.97	0.01	0.6	0.83	18.6

3.24.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	959.4	30.4	62	0.07	0	0.02	0.09	0.96
Sratchy Trail	676.6	10	10	0	0	0.03	0.2	1.14
Topanga Bridge	>24196	24195.7	1376.1	0	0	0	0.12	0.38
Brookside Dr	8164.1	10	52.1	0	0	0	0.1	0.24
Snake Pit	.	.	.	.	.	.	.	.
PCH Hwy Bridge	11198.7	96	249.1	.	.	.	.	.
Top lagoon east	14136.1	122.3	278.5	0	0	0.1	0.22	10.31
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	97.9	<10	52.1	.	.	.	.	.
Beach upcoast	20.2	<10	20.2	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	.	.	.	.	.	.	.	.
Dix Creek	3495.3	40.9	30.6	.	.	.	.	.

7.15.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	345	31	63	0	0	0.32	0.06	0.65	
Sratchy Trail	182	98	63	0	0	0	0.05	1.78	
Topanga Bridge	2224	63	85	0	0	0	0.05	0.59	
Brookside Dr	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	dried up at sampling site
Snake Pit	>24196	187	52	0	0	0	0.05	1.08	
PCH Hwy Bridge	10462	912	119						
Top lagoon east	9804	1281	158	0	0	0.02	0	3.46	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	73	<10	20	.	.	.	.	.
Beach upcoast	10	<10	20	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	98	10	52	.	.	.	.	.
Dix Creek	.	.	.	.	.	.	.	.

Sediment FIB	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml
ST sed 1	181	<10	20
ST sed 2	1918	<10	<10
OF sed 1	581	<10	10
OF sed 2	2143	<10	10
OF sed 3	85	<10	<10
TL sed 1	>24196	>24196	1439
TL sed 2	>24196	24196	3441
TL sed 3	>24196	3255	243
TB sed 1	3873	<10	20
TB sed 2	<10	<10	10
TB sed 3	2282	<10	10

8.11.14

Site	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml	Nitrate N ppm	Nitrite N ppm	Ammonia N ppm	Phosphate ppm	Turbidity NTU	NOTES
Falls Drive	.	.	.	.	.	.	.	.
Behind Abuelitas	.	.	.	.	.	.	.	.
Owl Falls	4160	30	417	0	0	0	0.14	0.28	
Sratchy Trail	1173	20	63	0	0	0.05	0.18	0.86	
Topanga Bridge	11199	<10	30	0	0	0.12	0.1	0.43	
Brookside Dr	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	dried up at sampling site
Snake Pit	1894	<10	20	0	0	0.02	0.13	9.69	reduced to a pool
PCH Hwy Bridge	19863	2481	1266						
Top lagoon east	>24196	5475	1331	0	0	0.02	0	3.14	
Lagoon outlet	.	.	.	.	.	.	.	.
Beach outlet	51	30	<10	.	.	.	.	.
Beach upcoast	85	31	31	.	.	.	.	.
Lifeguard Station septage	.	.	.	.	.	.	.	.
Lifeguard station beach	109	<10	20	.	.	.	.	.
Dix Creek	.	.	.	.	.	.	.	.

Sediment FIB	TC MPN/100ml	EC MPN/100ml	ENT MPN/100ml
ST sed	1541	<10	10
OF sed	2909	<10	10
TL sed	>241960	>241960	101120
TB sed	569	10	<10
OF sed	10	<10	<10

	TC	EC	ENT	Nitrate	Nitrite	Ammonia	Phosphate	Turbidity	WatTemp	DO (mg/L)	DO_sat	Conductivity (µS)	Avg Depth (cm)	StationDepth (in)	%Algae Cover (RPC)	Flow (ft ³ /s)	Avg Depth (in)
Topanga Bridge																	
TC (MPN/100ml)	1.00																
EC (MPN/100ml)	0.75	1.00															
ENT (MPN/100ml)	0.79	0.44	1.00														
Nitrate (ppm)	0.38	0.05	0.50	1.00													
Nitrite (ppm)	-0.26	-0.17	-0.16	-0.06	1.00												
Ammonia (ppm)	0.08	-0.06	0.07	0.02	-0.04	1.00											
Phosphate (ppm)	0.56	0.25	0.46	0.21	-0.30	0.23	1.00										
Turbidity (NTU)	0.62	0.15	0.94	0.56	-0.17	0.13	0.42	1.00									
WaterTemp (C)	0.32	0.06	0.02	-0.04	-0.17	0.09	0.52	-0.01	1.00								
DO (mg/L)	0.02	0.10	0.29	0.33	0.12	0.00	-0.28	0.34	-0.82	1.00							
DO_%sat	0.22	0.19	0.43	0.45	0.02	0.05	-0.09	0.48	-0.60	0.94	1.00						
Conductivity (µS)	-0.05	0.26	-0.38	-0.51	0.10	-0.15	-0.02	-0.52	0.25	-0.35	-0.34	1.00					
Depth (cm)	0.18	0.19	0.19	0.77	0.02	0.00	0.20	0.21	-0.14	0.34	0.38	-0.30	1.00				
StationDepth (in)	-0.03	-0.22	0.10	0.76	0.06	0.02	0.15	0.21	-0.15	0.32	0.33	-0.36	1.00	1.00			
%AlgaeCover (RPC)	-0.32	-0.16	-0.23	-0.19	-0.30	0.10	-0.15	0.10	-0.42	0.12	0.02	-0.19	-0.14	-0.09	1.00		
Flow (ft ³ /s)	0.24	0.04	0.45	0.52	0.08	0.08	-0.03	0.52	-0.23	0.61	0.71	-0.42	0.30	0.30	-0.14	1	
Avg Depth (in)	0.43	0.16	0.74	0.50	-0.11	0.02	0.31	0.80	-0.20	0.48	0.57	-0.56	0.23	0.23	0.17	0.666744956	1

	TC	EC	ENT	Nitrate	Nitrite	Ammonia	Phosphate	Turbidity	WatTemp	DO (mg/L)	DO_sat	Conductivity (µS)	Avg Depth (cm)	StationDepth (in)	%Algae Cover (RPC)	Flow (ft ³ /s)	Avg Depth (in)
Scratchy Trail																	
TC (MPN/100ml)	1.00																
EC (MPN/100ml)	0.76	1.00															
ENT (MPN/100ml)	0.79	0.99	1.00														
Nitrate (ppm)	0.60	0.76	0.78	1.00													
Nitrite (ppm)	-0.27	-0.13	-0.14	-0.12	1.00												
Ammonia (ppm)	0.05	0.16	0.14	-0.04	-0.06	1.00											
Phosphate (ppm)	0.77	0.50	0.54	0.20	-0.19	0.10	1.00										
Turbidity (NTU)	0.81	0.99	0.99	0.74	-0.15	0.21	0.58	1.00									
WaterTemp (C)	0.35	-0.07	-0.03	-0.25	-0.37	-0.20	0.42	-0.03	1.00								
DO (mg/L)	-0.16	0.22	0.19	0.46	0.18	0.15	-0.31	0.21	-0.89	1.00							
DO_%sat	0.03	0.34	0.31	0.50	0.06	0.23	-0.17	0.34	-0.72	0.94	1.00						
Conductivity (µS)	-0.43	-0.50	-0.49	-0.48	0.47	-0.27	-0.24	-0.51	0.07	-0.30	-0.40	1.00					
Depth (cm)	-0.04	0.08	0.05	-0.02	-0.14	-0.04	-0.05	0.03	0.02	0.17	0.26	-0.15	1.00				
StationDepth (in)	0.02	0.09	0.07	0.02	-0.09	0.00	-0.11	0.05	0.02	0.12	0.18	-0.22	1.00	1.00			
%AlgaeCover (RPC)	-0.32	-0.24	-0.14	0.13	0.13	-0.25	-0.11	-0.16	-0.37	0.47	0.45	0.02	-0.19	-0.44	1.00		
Flow (ft ³ /s)	0.65	0.96	0.94	0.73	-0.12	0.22	0.42	0.97	-0.17	0.35	0.45	-0.41	0.04	0.00	0.25	1	
Avg Depth (in)	0.09	0.17	0.17	0.28	0.07	-0.02	-0.05	0.13	-0.18	0.10	0.11	0.06	0.07	0.07	-0.08	0.151558601	1

	TC	EC	ENT	Nitrate	Nitrite	Ammonia	Phosphate	Turbidity	WatTemp	DO (mg/L)	DO_sat	Conductivity (µS)	Avg Depth (cm)	StationDepth (in)	%Algae Cover (RPC)	Flow (ft ³ /s)	Avg Depth (in)
Owl Falls																	
TC (MPN/100ml)	1.00																
EC (MPN/100ml)	0.78	1.00															
ENT (MPN/100ml)	0.79	0.99	1.00														
Nitrate (ppm)	0.75	0.96	0.96	1.00													
Nitrite (ppm)	0.05	-0.15	-0.14	-0.07	1.00												
Ammonia (ppm)	0.59	0.72	0.69	0.65	-0.01	1.00											
Phosphate (ppm)	0.71	0.79	0.80	0.78	0.16	0.45	1.00										
Turbidity (NTU)	0.75	0.91	0.90	0.95	-0.20	0.64	0.68	1.00									
WaterTemp (C)	0.07	-0.10	-0.07	-0.25	-0.29	-0.10	-0.18	-0.28	1.00								
DO (mg/L)	0.14	0.32	0.31	0.44	0.12	0.29	0.25	0.50	-0.82	1.00							
DO_%sat	0.21	0.35	0.35	0.45	0.11	0.33	0.28	0.49	-0.71	0.96	1.00						
Conductivity (µS)	-0.36	-0.45	-0.46	-0.38	0.17	-0.10	-0.63	-0.30	-0.18	0.27	0.24	1.00					
Depth (cm)	0.64	0.59	0.59	0.65	0.12	0.54	0.44	0.65	-0.39	0.52	0.54	-0.18	1.00				
StationDepth (in)	0.66	0.52	0.53	0.59	0.25	0.35	0.49	0.59	-0.43	0.44	0.43	-0.19	1.00	1.00			
%AlgaeCover (RPC)	-0.23	-0.18	-0.22	-0.12	-0.25	0.08	-0.24	0.04	-0.61	0.48	0.40	0.32	0.05	-0.05	1.00		
Flow (ft ³ /s)	0.74	0.98	0.98	0.97	-0.21	0.68	0.76	0.93	-0.15	0.36	0.39	-0.42	0.57	0.50	-0.13	1	
Avg Depth (in)	-0.25	-0.01	0.00	-0.05	-0.17	-0.46	0.12	-0.11	0.33	-0.40	-0.41	-0.51	-0.19	-0.13	-0.44	-0.019876637	1

Highlighted Values Indicate Correlations

	TC	EC	ENT	Nitrate	Nitrite	Ammonia	Phosphate	Turbidity	WatTemp	DO (mg/L)	DO_sat	Conductivity (µS)	Avg Depth (cm)	StationDepth (in)	%Algae Cover (RPC)
Topanga Lagoon															
TC (MPN/100ml)	1.00														
EC (MPN/100ml)	0.50	1.00													
ENT (MPN/100ml)	0.17	0.11	1.00												
Nitrate (ppm)	0.32	-0.20	-0.03	1.00											
Nitrite (ppm)	0.06	0.06	-0.10	-0.03	1.00										
Ammonia (ppm)	0.08	-0.08	-0.04	0.30	-0.13	1.00									
Phosphate (ppm)	0.44	-0.17	0.11	0.55	-0.02	0.34	1.00								
Turbidity (NTU)	0.48	-0.05	0.03	0.71	-0.02	0.49	0.75	1.00							
WaterTemp (C)	0.25	0.16	0.21	-0.18	-0.08	-0.14	-0.06	-0.05	1.00						
DO (mg/L)	-0.17	0.02	-0.07	0.18	0.20	0.11	-0.21	-0.01	-0.31	1.00					
DO_%sat	-0.19	0.03	-0.06	0.07	0.13	0.02	-0.34	-0.04	-0.02	0.73	1.00				
Conductivity (µS)	0.14	0.26	0.06	-0.25	-0.04	-0.05	0.04	-0.31	-0.09	-0.29	-0.39	1.00			
Depth (cm)	-0.04	-0.14	-0.23	0.16	0.07	0.01	0.21	-0.02	-0.31	-0.13	-0.13	0.21	1.00		
StationDepth (in)	-0.24	-0.07	-0.16	0.14	0.14	0.03	0.06	-0.07	-0.37	0.16	0.21	0.20	1.00	1.00	
%AlgaeCover (RPC)	-0.29	-0.17	-0.06	-0.15	-0.12	-0.13	-0.22	-0.07	0.12	-0.10	0.20	-0.28	-0.02	0.03	1.00

	TC	EC	ENT	Nitrate	Nitrite	Ammonia	Phosphate	Turbidity	WatTemp	DO (mg/L)	DO_sat	Conductivity (µS)	Avg Depth (cm)	StationDepth (in)	%Algae Cover (RPC)	Flow (ft3/s)	Avg Depth (in)
Snake Pit																	
TC (MPN/100ml)	1.00																
EC (MPN/100ml)	0.79	1.00															
ENT (MPN/100ml)	0.01	0.21	1.00														
Nitrate (ppm)	0.00	0.11	0.09	1.00													
Nitrite (ppm)	-0.08	-0.19	-0.09	-0.20	1.00												
Ammonia (ppm)	-0.14	-0.11	-0.04	-0.11	-0.06	1.00											
Phosphate (ppm)	0.13	-0.07	-0.02	-0.40	0.30	-0.11	1.00										
Turbidity (NTU)	0.27	0.02	-0.18	-0.19	-0.02	-0.17	0.69	1.00									
WaterTemp (C)	0.52	0.48	0.02	-0.25	-0.33	-0.02	-0.10	0.41	1.00								
DO (mg/L)	-0.15	0.11	0.44	0.23	-0.17	0.05	-0.64	-0.87	-0.29	1.00							
DO_%sat	-0.17	0.06	0.55	0.22	-0.19	0.08	-0.59	-0.82	-0.24	0.97							
Conductivity (µS)	0.65	0.35	-0.08	-0.36	-0.04	-0.15	0.33	0.75	0.72	-0.62	-0.60	1.00					
Depth (cm)	0.03	0.07	0.18	-0.04	0.28	-0.27	-0.06	-0.35	-0.44	0.39	0.31	-0.18	1.00				
StationDepth (in)	0.03	0.07	0.18	-0.04	0.28	-0.27	-0.06	-0.35	-0.44	0.39	0.31	-0.18	1.00	1.00			
%AlgaeCover (RPC)	-0.02	-0.17	0.11	-0.03	-0.25	0.18	0.06	-0.16	-0.19	0.25	0.35	-0.30	-0.03	-0.03	1.00		
Flow (ft3/s)	-0.38	-0.04	0.34	0.02	0.20	-0.04	0.08	-0.37	-0.52	0.22	0.17	-0.42	0.59	0.59	-0.21	1	
Avg Depth (in)	-0.25	-0.06	0.20	0.11	-0.21	0.01	-0.55	-0.69	-0.17	0.79	0.73	-0.53	0.38	0.38	0.21	0.276455844	1

	TC	EC	ENT	Nitrate	Nitrite	Ammonia	Phosphate	Turbidity	WatTemp	DO (mg/L)	DO_sat	Conductivity (µS)	Avg Depth (cm)	StationDepth (in)	%Algae Cover (RPC)	Flow (ft3/s)	Avg Depth (in)
Brookside Dr																	
TC (MPN/100ml)	1.00																
EC (MPN/100ml)	0.60	1.00															
ENT (MPN/100ml)	0.70	0.79	1.00														
Nitrate (ppm)	0.00	-0.01	-0.15	1.00													
Nitrite (ppm)	-0.21	-0.18	-0.17	-0.02	1.00												
Ammonia (ppm)	0.18	0.01	-0.03	0.21	-0.11	1.00											
Phosphate (ppm)	0.15	0.52	0.50	0.16	-0.22	0.10	1.00										
Turbidity (NTU)	0.63	0.96	0.76	0.02	-0.15	-0.02	0.34	1.00									
WaterTemp (C)	0.57	0.10	0.44	-0.14	-0.08	0.24	0.14	0.10	1.00								
DO (mg/L)	-0.21	0.24	-0.16	0.27	0.14	0.02	0.13	0.22	-0.68	1.00							
DO_%sat	-0.05	0.32	-0.05	0.36	0.15	0.12	0.21	0.29	-0.44	0.95	1.00						
Conductivity (µS)	-0.16	-0.56	-0.24	-0.36	0.03	0.01	-0.32	-0.53	0.33	-0.64	-0.68	1.00					
Depth (cm)	0.02	0.48	0.08	0.04	0.28	0.22	0.45	0.36	-0.14	0.40	0.44	-0.40	1.00				
StationDepth (in)	-0.06	0.42	0.11	0.10	0.30	0.21	0.36	0.32	-0.18	0.29	0.29	-0.44	1.00	1.00			
%AlgaeCover (RPC)	-0.44	-0.16	-0.41	-0.14	-0.04	-0.13	0.10	-0.22	-0.44	0.22	0.09	-0.11	0.26	0.18	1.00		
Flow (ft3/s)	0.58	0.96	0.70	0.04	-0.11	-0.03	0.33	0.99	0.01	0.30	0.35	-0.59	0.42	0.37	-0.17	1	
Avg Depth (in)	0.15	0.43	0.12	0.04	-0.03	-0.39	0.08	0.42	-0.36	0.43	0.36	-0.55	0.26	0.18	0.12	0.499006915	1

Highlighted Values Indicate Correlations