

## 2004 Bacteria Data: Great Salt Pond and Tributaries, fecal coliform and enterococcus

### mTEC Membrane Filtration Method

Monitoring Location	6/23/2004		7/8/2004		7/21/2004		8/2/2004		8/18/2004		9/10/2004		10/6/2004		GeoMean		Max		Min	
	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli	Fecal coliform	E. coli
Great Salt Pond #1	<1	<1	7	7	-	8	-	8	-	8	-	<1	<1	1	1	8	8	<1	<1	<1
Great Salt Pond #2	9	9	55	31	16	15	6	6	6	6	6	6	2	10	9	55	31	2	2	2
Great Salt Pond #3	<1	<1	55	<1	93	92	<1	<1	<1	<1	<1	1	1	5	1	93	92	<1	<1	<1
Great Salt Pond #4	12	12	47	43	6	6	11	11	11	6	11	4	3	11	10	47	43	4	3	3
BI Tributary #1	1300	1300	280	280	150	150	220	204	112	104	220	104	104	267	259	1300	1300	112	104	104
BI Tributary #2	730	710	360	360	5500	5400	300	300	230	200	300	200	200	631	608	5500	5400	230	200	200
BI Tributary #3	460	420	-	-	-	-	100	96	420	396	100	396	396	268	252	460	420	100	96	96
BI Tributary #4	80	80	100	100	600	590	16	16	208	200	16	200	200	110	109	600	590	16	16	16
BI Tributary #5	100	100	8	8	72	70	270	270	184	178	270	178	178	77	77	270	270	8	8	8
BI Tributary #6	1820	1820	200	200	-	-	-	-	152	148	-	-	-	381	378	1820	1820	152	148	148
BI Tributary #7 (30)	-	-	2365	220	180	32 / 340	32 / 340	32 / 340	-	-	-	-	-	274	260	2365	2335	32	32	32
BI Tributary #8 (31)	-	-	189	183	200	192	494	480	-	-	-	-	-	265	256	494	480	189	183	183
BI Tributary #9 (32)	-	-	162	120	112	46	38	-	-	-	-	-	-	96	88	162	162	46	38	38
BI Tributary #10	-	-	40	920	860	22	22	-	-	-	-	-	-	93	91	920	860	22	22	22
BI Tributary #11(34)	-	-	34 / 116.34	104	40	36	-	-	-	-	-	-	-	54	50	116	104	34	34	34

RI DEM Recreational Contact standard (I.e. swimming) for Great Salt Pond sites: 50 cfu / 100 ml

RI DEM Recreational Shellfishing standards for Great Salt Pond sites: >15 cfu / 100 ml

RI DEM Recreational Contact standard (I.e. swimming) for tributary (freshwater) sites: 200 cfu / 100 ml - but USEPA requires tributaries to meet receiving waters standards at the point where they enter.

### mE Membrane Filtration Method

Monitoring Location	6/23/2004		7/8/2004		7/21/2004		8/2/2004		8/18/2004		9/10/2004		10/6/2004		GeoMean		Max		Min	
	Enterococci	E. coli	Enterococci	E. coli	Enterococci	E. coli	Enterococci	E. coli	Enterococci	E. coli	Enterococci	E. coli	Enterococci	E. coli	Enterococci	Enterococci	E. coli	Enterococci	Enterococci	E. coli
Great Salt Pond #1	not run	not run	<2	<2	-	-	-	-	<1	<1	-	<1	<1	<1	<1	<2	<2	<1	<1	<1
Great Salt Pond #2	not run	not run	20	20	2	2	<2	<2	2	2	<2	<2	<2	1	1	20	20	<1	<1	<1
Great Salt Pond #3	not run	not run	34	34	2	2	8	8	2	2	8	8	2	6	6	34	34	2	2	2
Great Salt Pond #4	not run	not run	320	320	80	80	210	210	80	80	210	210	20	102	102	320	320	20	20	20
BI Tributary #1	not run	not run	300	300	130	130	250	240	130	130	250	240	220	220	220	300	300	130	130	130
BI Tributary #2	not run	not run	-	-	-	-	-	-	-	-	-	-	-	316	316	332	332	300	300	300
BI Tributary #3	not run	not run	120	120	100	100	260	260	100	100	260	260	84	127	127	260	260	84	84	84
BI Tributary #4	not run	not run	<10	<10	14	14	138	138	14	14	138	138	57	57	57	138	138	<10	<10	<10
BI Tributary #5	not run	not run	90	90	-	-	-	-	-	-	-	-	93	93	93	96	96	90	90	90
BI Tributary #6	not run	not run	<100	<100	-	-	14 / 160	14 / 160	-	-	-	-	48	48	48	160	160	14	14	14
BI Tributary #7 (30)	not run	not run	80	80	110	110	10	10	-	-	-	-	94	94	110	110	110	80	80	80
BI Tributary #8 (31)	not run	not run	60	60	10	10	-	-	-	-	-	-	24	24	60	60	60	10	10	10
BI Tributary #9 (32)	not run	not run	<10	<10	12	12	-	-	-	-	-	-	8	8	12	12	12	<10	<10	<10
BI Tributary #10	not run	not run	<10	<10	2	2	-	-	-	-	-	-	3	3	2	2	2	<10	<10	<10
BI Tributary #11(34)	not run	not run	<10	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2

Rhode Island DOH enterococci standard 104 per 100 mL for salt water beaches

Rhode Island DOH enterococci standard 61 per 100 mL for freshwater beaches