

# Salem Sound Coastwatch

## Clean Beaches & Streams

### Water Monitoring Results Summer 2011

Salem Sound Coastwatch's Clean Beaches and Streams Program is an ongoing water quality monitoring program that collects data at low tide from prioritized, potential pollution sources/sites along Salem Sound's coastline, including outfall pipes, culverts, and small streams. Sites may change throughout the season. For more information, contact 978-741-7900.

Testing conducted specifically for water quality at bathing beaches is performed by each city/town Board of Health.

2011 Monitoring Results	SITE	DRY	DRY	DRY	DRY	DRY	DRY	WET	Dry Days
Salem Sound Coastwatch Sampling Locations		6-2-11	6-16-11	6-30-11	7-5-11	7-19-11	8-2-11	8-16-11	Geometric Mean
<b>Manchester</b>									
Wolf Trap Estuary- Downstream of Ocean St. at B	161	<b>2,480</b>	<b>1,380</b>	<b>2,800</b>	<b>3,650</b>	<b>1,630</b>	<b>8,200</b>	<b>6,490</b>	<b>2,786</b>
Wolf Trap Estuary - East side from wooden bridge	161E	<b>908</b>	<b>1,050</b>	88	<b>4,110</b>	<b>1,720</b>	<b>7,300</b>	<b>2,250</b>	<b>1,277</b>
Wolf Trap Brook - Downstream of Rt. 127	160D	72	41	20	<b>233</b>	<b>792</b>	<b>5,800</b>	<b>860</b>	<b>200</b>
<b>Beverly</b>									
Patch Beach - Brackenbury Lane	213	<b>1,950</b>	<b>323</b>	<b>320</b>	<b>1,010</b>	<b>2,140</b>	<b>2,400</b>	<b>17,300</b>	<b>1,007</b>
Rice Beach - Stream outlet on beach	214	<b>211</b>	NS	<b>170</b>	84	Stagnant	NS	<b>1,850</b>	<b>144</b>
Dane St. Beach - Lawrence Brook at beach	321	<b>911</b>	<b>120</b>	<b>200</b>	<b>1,590</b>	<b>691</b>	<b>270</b>	<b>1,620</b>	<b>432</b>
Dane St. Beach - Easterly storm drain on beach	322	<b>131</b>	NS	<b>830</b>	10	10	10	<b>292</b>	<b>40</b>
<b>Danvers</b>									
Porter River at Rt. 62 and Holten-Richmond Schod	400	NS	NS	NS	NS	NS	<b>3300</b>	<b>2,490</b>	<b>3,300</b>
Porter River Rt. 35 - dock at Popes Landing	422	NS	NS	NS	NS	NS	<b>190</b>	<b>3,260</b>	<b>190</b>
Porter River culvert at Sandy Beach	430	NS	NS	NS	NS	NS	NS	<b>5,790</b>	NS
<b>Salem</b>									
North River - Upstream of Rt. 114 overpass, Comr	537	41	<b>691</b>	<b>1,400</b>	<b>1,240</b>	<b>1,050</b>	<b>1,000</b>	<b>906</b>	<b>610</b>
North River - Commercial Way near foot bridge	559	<b>231</b>	<b>521</b>	<b>620</b>	<b>496</b>	<b>987</b>	<b>620</b>	<b>1,880</b>	<b>532</b>
Juniper Beach - Storm drain on beach	620	63	<b>24,200</b>	<b>410</b>	<b>2,250</b>	<b>6,490</b>	<b>1,900</b>	<b>3,090</b>	<b>1,609</b>
Derby Wharf - Storm drain	630	<b>1,840</b>	<b>4,350</b>	<b>9,800</b>	<b>24,000</b>	<b>24,200</b>	<b>580</b>	<b>15,500</b>	<b>5,458</b>
Palmer Cove - Storm drain below Palmer Cove Playground	631	NS	<b>331</b>	<b>190</b>	<b>2,400</b>	<b>583</b>	NS	<b>24,200</b>	<b>545</b>
<b>Marblehead</b>									
Dolliber Cove Creek - Grace Oliver Beach	700	<b>325</b>	<b>420</b>	<b>430</b>	<b>410</b>	<b>504</b>	<b>2,100</b>	<b>3,080</b>	<b>542</b>
Riverhead Beach Culvert - facing on right	701B	<b>1,010</b>	<b>504</b>	<b>330</b>	<b>730</b>	<b>1,300</b>	<b>830</b>	<b>959</b>	<b>714</b>
Stramski Beach-Stream draining across beach	722	<b>2,280</b>	<b>479</b>	<b>430</b>	<b>1,990</b>	NS	<b>1,500</b>	NS	<b>1,070</b>
Gingerbread Hill - Beacon Street outfall inner cov	732	<b>161</b>	NS	NS	NS	NS	NS	NS	<b>161</b>

Times with \*\* were taken outside the two hour window of sampling at low tide

Numbers in bold exceed Class A, B, and C Standards as specified by EPA (823-R-03-008): Enterococci >104 100 CFL/mL

#### Weather Ratings:

Dry less than 0.2" the day of sampling or less than 0.5" within 3 days preceding sampling

Wet greater than 0.2" the day of sampling or less than 0.5" within 3 days preceding sampling