

# Sanitary Survey Forms for Verifying Tier 3\*\*<sup>1</sup> Status

Town: \_\_\_\_\_

Beach Name: \_\_\_\_\_

Place Locus Arrow on Topographic Map



## General Surface Drainage Basin Outlined in Red

I, \_\_\_\_\_, am a Registered Sanitarian in the Commonwealth of Massachusetts and hereby submit this sanitary survey in partial fulfillment of requirements for obtaining a waiver for weekly sampling under (105 CMR 445.000). In my professional opinion, I believe that no conditions exist that constitute a risk to the public health for bathing, beyond that of swimming at beaches classified as acceptable under the Massachusetts regulations (105 CMR 445.000) I submit this document on \_\_\_\_\_ (date). The Sanitary Survey was conducted on \_\_\_\_\_ (date).

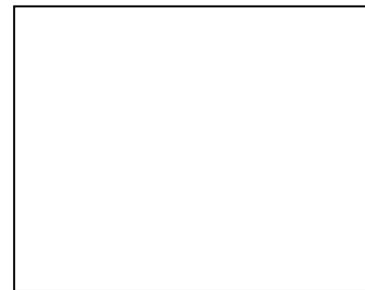
Variance granted by the Board of Health on \_\_\_\_\_ and ends \_\_\_\_\_ pending a recertification of the survey.

Name	Approval/Denial	Reasons
_____		

Recommended Sampling Frequency \_\_\_\_\_

## Please list the top three potential sources for the indicator organism and distance from the bathing area

Source	Distance
_____	_____
_____	_____
_____	_____



\_\_\_\_\_  
Initials                      Date

<sup>1</sup> \*\*Tier 3 Beach will be a beach that has for at least two consecutive years not had a single sample exceedance. Having Tier 3 status indicates waters are of low health concern and/or receive low usage, and that minimal resources will be devoted to less intensive monitoring and public notification efforts in that area.

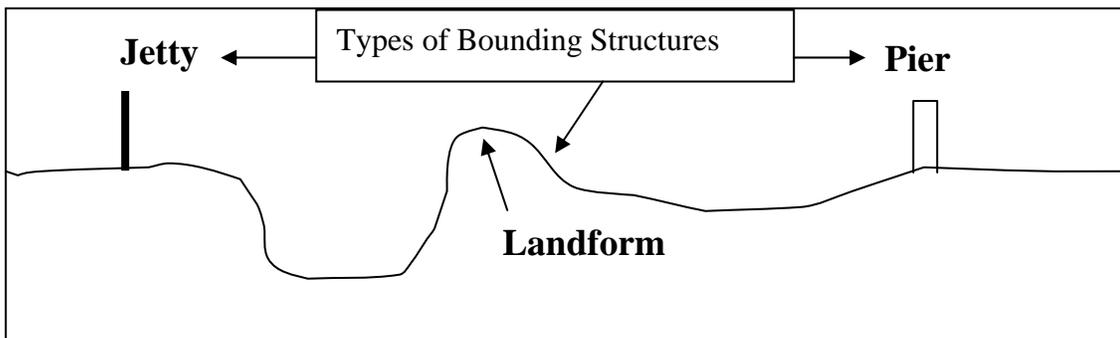
**Tidal range (ft):** \_\_\_\_\_

**Approximate beach slope at high tide:**       **1:50**       **1:25**       **1:10**

**Sediments:**      **Sandy**      **Soft**      **Very Mucky**  
           

**Beach length from town-owned boundaries:**      **0-50 ft**      **50-100 ft**      **100-500 ft**      **500+ ft**  
                 

**Bounding structures:**      **None**      **1 Side**      **2 Sides**  
           



**Water Quality in Most Recent Three Years**

<b>Year</b>	<b>Number of Samples</b>	<b>Number of Exceedances (both single sample and geometric mean)</b>
20__		
20__		
20__		

**Marine Beaches:**

Single sample regulatory limits are 104 colonies per 100 ml of sample, Exceedance > 104 cfu/100 ml  
 Geometric mean regulatory limits of the 5 most recent samples must calculate to be <35 colonies per 100 ml

**Freshwater Beaches:**

Single sample regulatory limits are 235 colonies per 100 ml of sample E.coli, Exceedance > 235 cfu/100 ml;  
 61 colonies per 100 ml of sample Enterococcus, Exceedance > 61 cfu/100 ml  
 Geometric mean regulatory limits of the 5 most recent samples must calculate to be <126 colonies per 100 ml E. coli,  
 <33 colonies per 100 ml Enterococcus

**Other potential sources of contamination**

	<b>Yes</b>	<b>No</b>
<b>Boats moored within 500 ft of the beach that contain bilge tanks</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Boats moored within 500 ft that do not contain bilge tanks</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Shorebirds commonly seen</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Wrack present</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Ground water seepages</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Dogs waste on the beach</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Others (list):</b>		

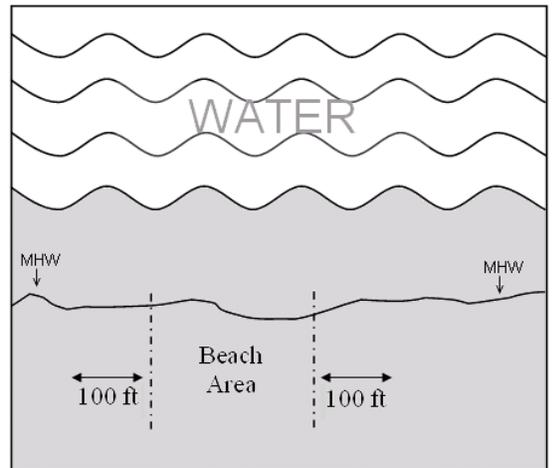
**Adjacent Beaches**

Beach Name (include all public and semi-public beaches within 1/2 mile)	Location from Surveyed Beach (East, West, etc)	Number of Exceeded Samples within 1 year

	<b>Yes</b>	<b>No</b>	<b>I don't know</b>
<b>Does ALL of the surface watershed have municipal sewer?</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Subsurface sewage disposal (Title 5 type):**

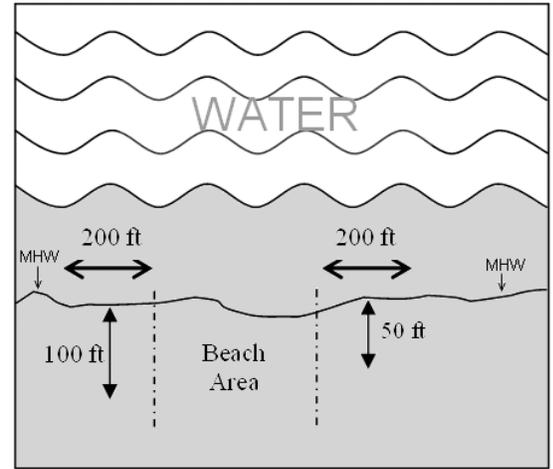
	<b>0-5</b>	<b>5-20</b>	<b>20+</b>
<b>Within 50 feet of MHW**<sup>2</sup> &amp; within 200 feet of ends of beach bounds</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Within 100 feet of MHW &amp; within 200 feet of ends of beach bounds</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



<sup>2</sup> \*\* MHW means Mean High Water, or average high tide line

**Subsurface sewage disposal (non Title 5 type):**

	<b>0-5</b>	<b>5-20</b>	<b>20+</b>
<b>Within 50 feet of MHW &amp; within 200 feet of ends of beach town ownership boundaries</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Within 100 feet of MHW &amp; within 200 feet of ends of beach town ownership boundaries</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**Pipes & drains within 100 ft of beach town ownership boundaries:**

	<b>Yes (#)</b>	<b>No</b>	<b>I don't know</b>
<b>Combined sewer overflow</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Sanitary sewer overflow</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Storm water overflow</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Storm water pipes & drains within 50 feet of bathing area**

	Diameter In Inches	Dry Weather Flow (Yes, No)	Estimated Length of Road Drained In Feet	Parking Lot Drained (Yes, No)	Housing Density Houses per Acre		
					1-4	5-10	10+
1							
2							
3							
4							
5							

**Streams draining marshes within**

<b>100 ft</b>	<b>200 ft</b>	<b>500 ft</b>	<b>None</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Indication of animals**

<b>Yes</b>	<b>No</b>
<b>Are dogs allowed on the beach</b>	<input type="checkbox"/>
<b>Are dogs or scat present</b>	<input type="checkbox"/>

**Agricultural & vacant areas adjacent to the bathing beach with area of 1/2 acre or more within**

<b>100 ft</b>	<b>500 ft</b>	<b>None</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Sanitary facilities at the beach**

<b>Yes</b>	<b>No</b>
<input type="checkbox"/>	<input type="checkbox"/>

**Average seasonal daily bather load**

<b>0-100</b>	<b>100-200</b>	<b>200+</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Tier 3 Priority Ranking Based on Sanitary Survey Findings

			Total Points
Sediments	Sandy Soft Very Mucky	0 points 5 points 10 points	
Groundwater seepages	Yes No	2 points 0 points	
Bounding structures	1 side 2 sides None	1 point 2 points 0 points	
Moored boats within 500 ft	Yes No	5 points 0 points	
Shorebirds commonly seen	Yes No	2 points 0 points	
Wrack present	Yes No	2 points 0 points	
Septic systems within 50ft of MHW and 200 ft of town ownership boundaries	0-5 systems 5-20 systems 20+ systems	0 points 5 points 10 points	
Septic systems within 100 ft of MHW and 200 ft of town ownership boundaries	0-5 systems 5-20 systems 20+ systems	0 points 0 points 5 points	
Combined sewer overflow within 100 ft	Yes No	10 points per pipe 0 points	
Sanitary sewer overflow within 100 ft	Yes No	10 points per pipe 0 points	
Stormwater drains within 100 ft	Yes No	5 points per pipe 0 points	
Streams draining marshes	100ft 200ft 500ft	5 points 2 points 0 points	
Dogs allowed on the beach	Yes No	10 points 0 points	
Dogs or scat seen on the beach	Yes No	5 points 0 points	
Agricultural and vacant land ½ + acre	100ft 500ft	2 points 1 point	
Sanitary facilities at the beach	Yes No	0 points 5 points	
Bather load	>100	3 points	

Low Priority            0-30 points  
 Moderate Priority    31-60 points  
 High Priority           61+ points

The Tier 3 Priority Ranking Sheet may be used as a guide for comparing beach eligibility for sampling variance