

DRAFT ANNUAL BEACH SANITARY SURVEY FORM

1. BASIC INFORMATION

Name of Beach:	Date(s) of Sample Collection and Survey:
Beach ID:	Name of Waterbody:
Town/City/County/State:	
Sampling Station(s)/ID:	Name(s) of Surveyor(s):

2. DESCRIPTION OF LAND USE IN WATERSHED

Current Land Use in Watershed

Type	Residential	Industrial	Commercial	Agricultural	Other (specify):
Percentage					

Development: _____% undeveloped and _____% developed (describe): _____

Uses: Boating Fishing Surfing Windsurfing Diving Other (specify):

Topographic map of area attached to Annual Sanitary Survey form: yes no

Detailed map of area attached to Annual Sanitary Survey form: yes no

Does detailed map include locations of:

- Pollutant sources yes no (explain):
- Boat traffic yes no (explain):
- Marinas yes no (explain):
- Boat dockage yes no (explain):
- Canoeing yes no (explain):
- Fishing yes no (explain):

Erosion/Accretion Measurements

High Watermark Location Identification	Fixed Object Description (e.g., tree, building)	Distance From Fixed Object to High Watermark (feet or meters?)	Distance Between High Watermark Locations (feet or meters?)
A			A↔B:
B			B↔C:
C			C↔D:
D (Optional)			D↔E:
E (Optional)			E↔F:
F (Optional)			

Bounding Structures

Bounding Structure	Number	Location on Beach Map? (Yes or No)
Jetty		
Groin		
Seawall		
Natural formation		
Other (specify):		
Other (specify):		

Beach Materials/Sediments

Transect	Grabs									
	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Or Beach Materials/Sediments: Sandy Soft Very mucky

Description of Photographs Taken (Specify date, roll, picture number, and subject of photograph)

Picture Number	Date/Time	Roll Number	Subject of Photograph (Include Pictures of High Watermark Locations and Corresponding Fixed Objects)

Habitat: Dunes Wetlands Open water

Critical habitat for endangered or threatened species (describe critical habitat and endangered or threatened species): _____

Average air temperature during beach season: _____ °C Average water temperature during beach season: _____ °C

Average wind speed and direction during beach season (e.g., E or 90° at 15 mph): _____

Weather conditions: Sunny Mostly sunny Partly cloudy Mostly cloudy Overcast Rainy

Comments/Observations:

3. CONDITIONS

Dimensions of Waterbody

Beach length or dimensions

Length (m): _____ Width (average – m): _____
 Width Z1 (m): _____ Width Z2 (m): _____ Width Z3 (m): _____

Water level variation: _____ feet _____ inches. Hydrographic influences (e.g., seiches): _____

Longitudinal dispersion coefficient: _____ m²/sec. Lateral dispersion coefficient: _____ m²/sec. [Note that these coefficients can be calculated using velocity, width, mean depth, and shear velocity]

Slope: _____%

Date of last major rehabilitation: _____

Description of last major rehabilitation:

Comments/Observations:

4. INFORMATION ON SAMPLING LOCATION

Name of laboratory: _____ Distance to laboratory: _____miles

Description of sampling location(s): _____

Typical time of sample collection: _____

Sampling plan reviewed: yes no (explain):

Equipment maintenance and calibration procedures reviewed: yes no (explain):

Description of hydrometric network [note that this is a network of monitoring stations that collect data such as rainfall and flow]

Dimensions of waterbody

Comments/Observations:

5. BATHER LOAD (# OF BEACH USERS)

Beachgoer Category	Number of People							
	Historical Average	Current Average	Peak	Seasonal Average	Holiday Average	Weekend Average	Weekday Average	Off Season Average
Total beach users								
People in the water								
People boating								
People fishing								
People surfing								
People windsurfing								
People diving								
People clamming								
Other (specify):								
Frequency of measurements (e.g., biweekly, weekly, monthly)								

Describe how beachgoer numbers are calculated: _____

Comments/Observations:

6. BEACH CLEANING

Beach cleaning dates during season: _____

Description of clean up activities

	Leveling of Sand	Mowing of Vegetation	Small Scale Hand Pulling of Vegetation	Grooming of Soil	Construction and Maintenance of a Temporary Pathway Directly to Open Water	Other (specify):
Frequency						

Do cleanup activities meet the requirements of Part 303, Wetlands Protection, of the Natural Resources and Environmental Protection Act, 1994 P.A. 451, as amended (NREPA), and Part 325, Great Lakes Submerged Lands, of the NREPA : yes no (explain): _____

Amount of beach debris/litter on beach: None Low (1-20%) Moderate (21-50%) High (>50%)
 Types of debris/litter found: Tar Oil/Grease Trash Plastic Medical waste
 Other (describe): _____

Comments/Observations:

7. SAMPLING

Biological Survey Results:

Invasive/nonnative species present:

Have algae blooms been observed during the beach season? no yes (specify duration and algae species): _____

Amount of algae in nearshore water: None Low (1-20%) Moderate (21-50%) High (>50%)

Amount of algae on beach: None Low (1-20%) Moderate (21-50%) High (>50%)

Infectious snails

Dangerous aquatic organisms

Presence of Wildlife and Domestic Animals

Type	Geese	Gulls	Dogs	Other (specify):
Number				

Samples Collected

Parameter	Sample Type (Grab or Composite)	Analytical Method	Name of Laboratory Performing Analysis
<i>Escherichia coli</i>			
Enterococcus			
Fecal coliform			
Other (specify):			
Other (specify):			
Other (specify):			
Other (specify):			
Other (specify):			

Describe when, where, and how samples are collected: _____

How and when are sample results obtained? _____

Are advisories ever issued? no yes (describe when and how): _____

Water Quality

Parameter	Temperature (°C)	pH (s.u.)	Rainfall (inches)	Turbidity (NTU)	Conductivity (mhos/cm)
Average concentration					

Water quality annual trend data attached to Annual Sanitary Survey form? yes no (explain): _____

Comments/Observations: _____

8. MODELING

Are models being used? yes no

If yes, provide kinds of models being used and a brief description of the models: _____

Comments/Observations: _____

Have potential pollutant sources identified above been included on the detailed map? yes no (explain):

Comments/Observations:

11. DESCRIPTION OF SANITARY FACILITIES

Facility Type	Number	Condition (Good, Fair, or Poor)	Location	Distance From Beach (feet)
Toilets				
Showers				
Sinks				
Water fountains				
Changing area				
Baby-changing area				
Litter bins				
Other (specify):				

Comments: _____

Comments/Observations:

12. DESCRIPTION OF OTHER FACILITIES

Facility Type	Number	Condition (Good, Fair, or Poor)	Location	Distance From Beach (feet)
Restaurants				
Bars				
Designated bathing areas				
Diving areas				
Children's play area				
Car parks				
Other (specify):				

Comments: _____

Comments/Observations: