



# GREAT LAKES BEACHES ROUTINE ON-SITE SANITARY SURVEY METHODS

## PART I – GENERAL BEACH CONDITIONS

Air Temperature:  Liquid-in-glass thermometer  Electronic thermometer  Weather report from local airport  
 Weather report from local weather station  Other (describe): \_\_\_\_\_

Wind Speed and Direction:  
 Wind vane for direction  Wind sock for direction and speed  Anemometer for wind speed  
 Aerovane for wind direction and speed  Weather report from local airport  Weather report from local weather station  
 Other (describe): \_\_\_\_\_  
 Distance from station: \_\_\_\_\_ (ft / mi)

Weather Conditions:  Visual observations  Other (describe): \_\_\_\_\_

Rainfall:  Rain gauge  Weather report  Other (describe): \_\_\_\_\_

Distance from station or gauge: \_\_\_\_\_ (ft / mi)

Longshore Current Speed:  Stick with fishing reel with water balloon on end  Ball and tether  
 Other (describe): \_\_\_\_\_

Wave Height:  Visual examination of wave height  Graduated stick and ranging pole  
 Other (describe): \_\_\_\_\_

## PART II – WATER QUALITY

Water temperature:  Multiprobe  Electronic meter  Graduated thermometer  Report from local radio station  
 Report from NOAA weatherband radio  Other (describe): \_\_\_\_\_

Turbidity:  Simple visual observation  Visual test kit  Titrimetric test kit  Nephelometer/Turbidimeter  
 Other (describe): \_\_\_\_\_

## PART III – BATHER LOAD

Numbers of People Participating in Various Activities:  Counting by surveyor  Counting by lifeguards  Photos  
 Turnstyles  Other (describe): \_\_\_\_\_

## PART IV – POTENTIAL POLLUTION SOURCES

Sources of Discharge:  
(a) Source identification:  Visual observation  WWTP Notification/Report  Other (describe): \_\_\_\_\_



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(b) Flow/velocity or  Mechanical flow meter  Electric flow meter  USGS Gauging Station  WWTP Notification/Report  
Volume measured:  Orange (float) and stopwatch  Other (describe): \_\_\_\_\_

Floatables Present:  Visual observation  Cleanup event results  Other (describe): \_\_\_\_\_

Amount and Type of Beach Debris/Litter on Beach:  Visual observation  Cleanup event results  
 Other (describe): \_\_\_\_\_

## Algae in Nearshore Water and Beach:

(a) Amount and Color:  Visual observation  Other (describe): \_\_\_\_\_

(b) Identification:  Field guide or internet site for taxonomic identification (describe): \_\_\_\_\_

Other (describe): \_\_\_\_\_

Presence of Wildlife and Domestic Animals:  Counting using hand-held counter, and if necessary, binoculars

Other (describe): \_\_\_\_\_

## Dead birds:

(a) Amount:  Visual observation  Other (describe): \_\_\_\_\_

(b) Identification:  Field guide or internet site for taxonomic identification (describe): \_\_\_\_\_

Other (describe): \_\_\_\_\_

## Dead fish:

(a) Amount:  Visual observation  Other (describe): \_\_\_\_\_

(b) Identification:  Field guide or internet site for taxonomic identification (describe): \_\_\_\_\_

Other (describe): \_\_\_\_\_