



# 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): \_\_\_\_\_