



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): _____