

US EPA ARCHIVE DOCUMENT



EPA's BEACH Report: Massachusetts 2010 Swimming Season

May 2011

Introduction

The BEACH Act of 2000 requires that coastal and Great Lakes states and territories report to EPA on beach monitoring and notification data for their coastal recreation waters. The BEACH Act defines coastal recreation waters as the Great Lakes and coastal waters (including coastal estuaries) that states, territories, and authorized tribes officially recognize or designate for swimming, bathing, surfing, or similar activities in the water.

This fact sheet summarizes beach monitoring and notification data submitted to EPA by the Commonwealth of Massachusetts for the 2010 swimming season.

Figure 1. Massachusetts coastal counties.

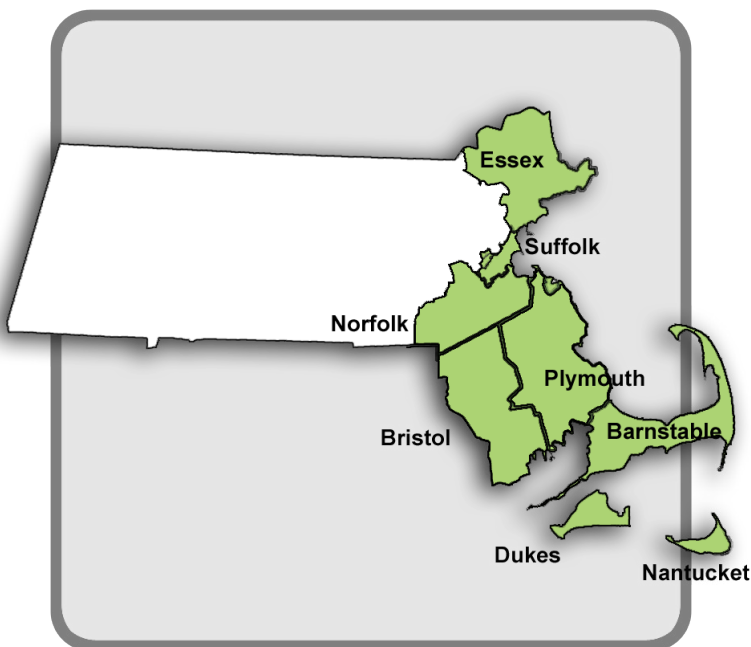


Table 1. Breakdown of monitored and unmonitored coastal beaches by county for 2010.

County	Total Beaches	Monitored	Not Monitored
BARNSTABLE	269	269	0
BRISTOL	44	44	0
DUKES	52	52	0
ESSEX	88	88	0
NANTUCKET	18	18	0
NORFOLK	24	24	0
PLYMOUTH	86	86	0
SUFFOLK	24	24	0
TOTALS	605	605	0

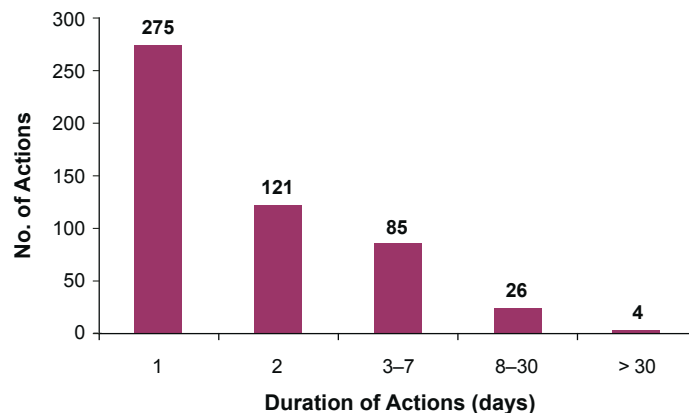


2010 Summary Results

How many notification actions were reported and how long were they?

When water quality standards are exceeded at a particular beach, Massachusetts issues a beach advisory that warns people to avoid contact with the water. A total of 217 monitored beaches had at least one advisory issued during the 2010 swimming season. About 77 percent of Massachusetts' 511 notification actions lasted two days or less. Figure 2 presents a full breakdown of notification action durations.

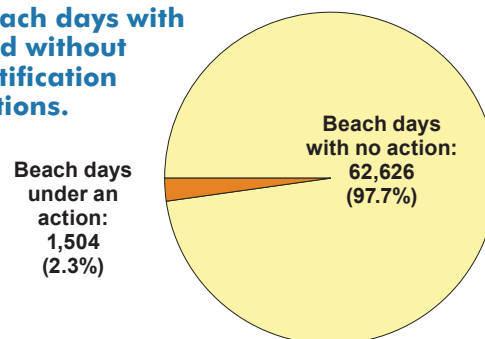
Figure 2: Beach notification actions by duration.



What percentage of days were beaches under a notification action?

For Massachusetts' 2010 swimming season, actions were reported about two percent of the time (Figure 3).

Figure 3: Beach days with and without notification actions.



How do 2010 results compare to previous years?

Table 2 compares 2010 notification action data with monitored beach data from previous years.

What pollution sources possibly affect investigated monitored beaches?

Figure 4 displays the percentage of Massachusetts' investigated monitored beaches possibly impacted by various pollution sources. In 2010, 88 percent of beaches investigated for possible pollution sources listed storm-related runoff as a possible pollution source.

Table 2. Beach notification actions, 2008-2010.

	2008	2009	2010
Number of monitored beaches	604	603	605
Number of beaches affected by notification actions	186	240	217
Percentage of beaches affected by notification actions	31%	40%	36%
Percentage of beach days affected by notification actions	2%	3%	2%

For More Information

For general information about beaches:

www.epa.gov/beaches/

For information about beaches in Massachusetts:

www.mass.gov/dph/topics/beaches.htm

or (617) 624-5757

Figure 4: Percent of investigated monitored beaches affected by possible pollution sources (50 beaches).

