



GOVERNMENT OF BERMUDA

Ministry of Health and Environment

Department of Health

Department of Health Monitoring Programme for Seawater at Bathing Beaches
Summary of Results for 2013

The Department of Health routinely samples and tests seawater from Bermuda's beaches for Enterococci, a group of bacteria which are used as indicators of faecal pollution. Results show that all the beaches tested meet the recommended US EPA Recreational Water quality standard of a geometric mean of less than 35 enterococci per 100 millilitres of water.

Department of Health Samples 2013					
Site	Count (# samples April-Nov 2013)	Enterococci Geometric mean (cfu/100ml)	% samples Enterococci >104 (cfu/100ml)	% samples Enterococci >130 (cfu/100ml)	Meets EPA Recreational Water Quality Criteria
Elbow Beach Central	28	1.4	0	0	Yes
Elbow Beach East	29	1.3	0	0	Yes
Elbow Beach West	29	1.4	0	0	Yes
Grape Bay	25	1.3	0	0	Yes
Warwick Long Bay	23	1.3	4.3*	0	Yes
Horseshoe Bay	28	2.3	7.1**	3.6*	Yes
Hungry Bay	25	7.6	4.0*	4.0*	Yes
John Smiths Bay	27	1.7	0	0	Yes
Clearwater Beach	15	1.7	0	0	Yes
Shelly Bay	26	5.3	7.7**	7.7**	Yes
Tobacco Bay	26	5.6	7.7**	3.8*	Yes
Snorkel Park	25	5.6	0	0	Yes

cfu/100ml = colony forming units per 100 millilitres of water

Geometric mean was calculated for the period April to November 2013

Geometric mean of samples should be < 35 cfu/100ml

Single day sample should be <104 cfu/100ml (1986 EPA guideline)

Less than 10% samples should be >130 cfu/100ml (2012 EPA guideline)

Lowest geometric mean possible is 1cfu/100ml

* Corresponds to one elevated sample result for the period

**Corresponds to two elevated sample results for the period