

BATHING WATER PROFILE

Environmental Protection (EP) has produced a bathing water profile for all monitored bathing waters in Jersey. The profile summarises EP's knowledge of a bathing water, including its quality and details of any improvements aimed at providing better water quality for bathers.

The bathing water profiles are a requirement of the revised Bathing Water Directive 2006/7/EC.

Name: Green Island



Beach operator States of Jersey

Details

Monitoring began: 1994

Sampling point location: Lat/Long 49.10 N 2.04 W (see map)

Bathing water quality: Weekly monitoring results are uploaded to the web page at: www.gov.je/water

For details of yearly compliance assessments for this bathing water, please see below.

Green Island

Annual water quality classification

2017: Excellent bathing water quality



2016: Excellent bathing water quality



2015: Excellent bathing water quality



A classification for each bathing water is calculated annually, based on all of the samples from the previous four years. These classifications, from best to worst, are “excellent”, “good”, “sufficient” or “poor”.

Classification	Thresholds	Confidence level
Excellent	EC: ≤ 250 cfu/100ml; IE: ≤ 100 cfu/100ml	95 th percentile
Good	EC: ≤ 500 cfu/100ml; IE: ≤ 200 cfu/100ml	95 th percentile
Sufficient	EC: ≤ 500 cfu/100ml; IE: ≤ 185 cfu/100ml	90 th percentile
Poor	Values are worse than sufficient	

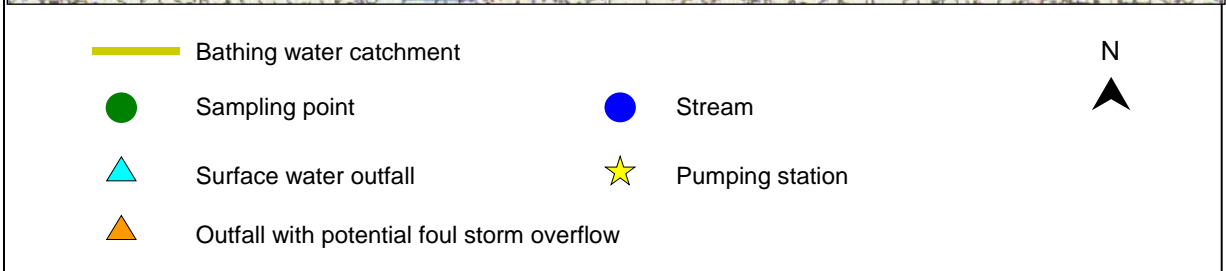
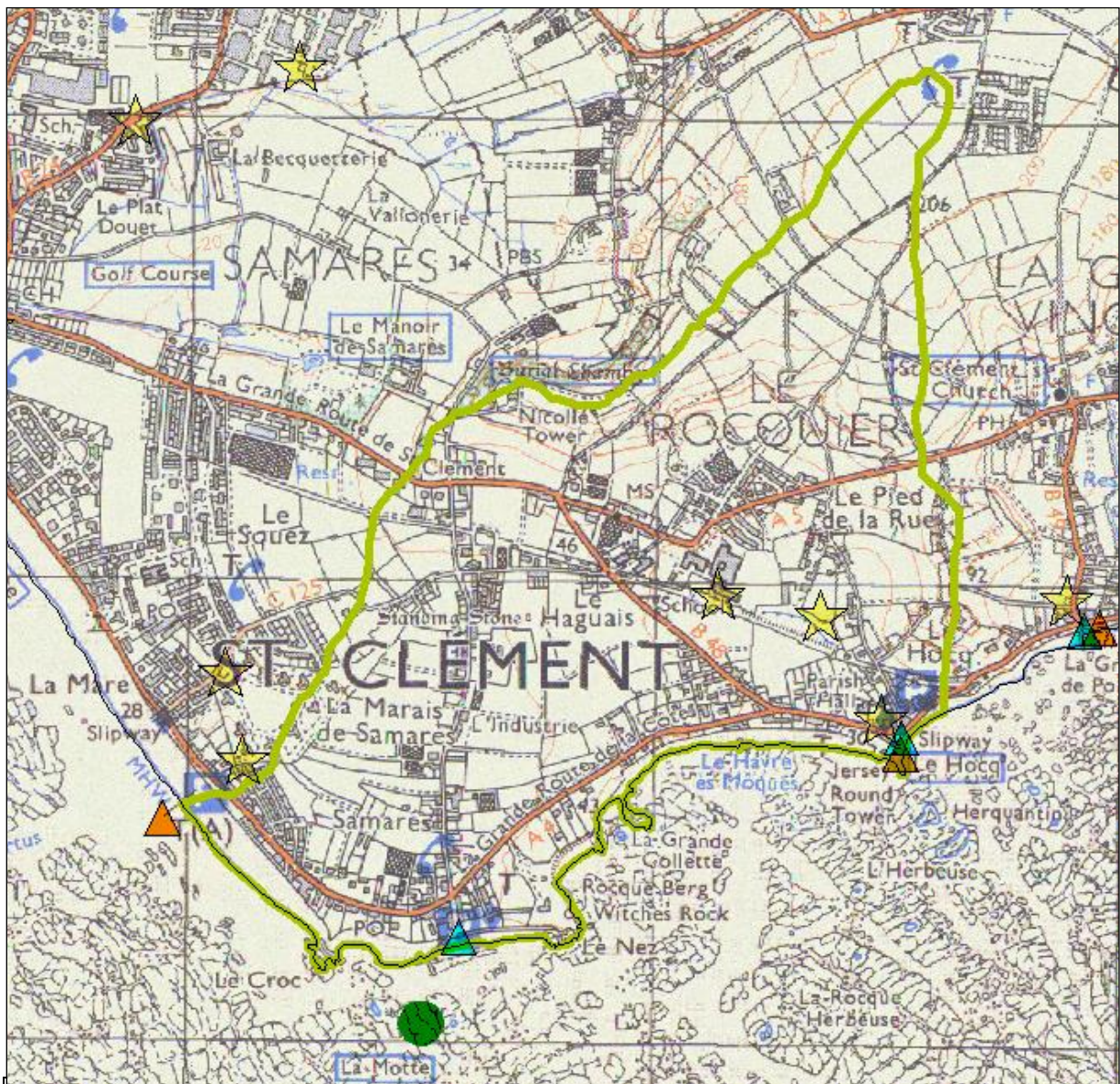
Escherichia coli (EC)
Intestinal enterococci (IE)

Bathing water description

The Green Island bathing water stretches approximately 2 km along the south-east coast of Jersey. The beach slopes gently, resulting in a long distance to the sea at low tide. The beach consists of sand with large areas of rock which become exposed at lower tides. The catchment is situated within a Ramsar site.

During and after heavy rainfall events water quality may deteriorate in streams and outfalls flowing onto the beach.

Bathing water map

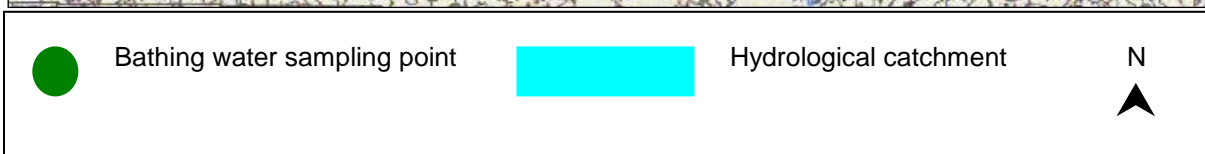
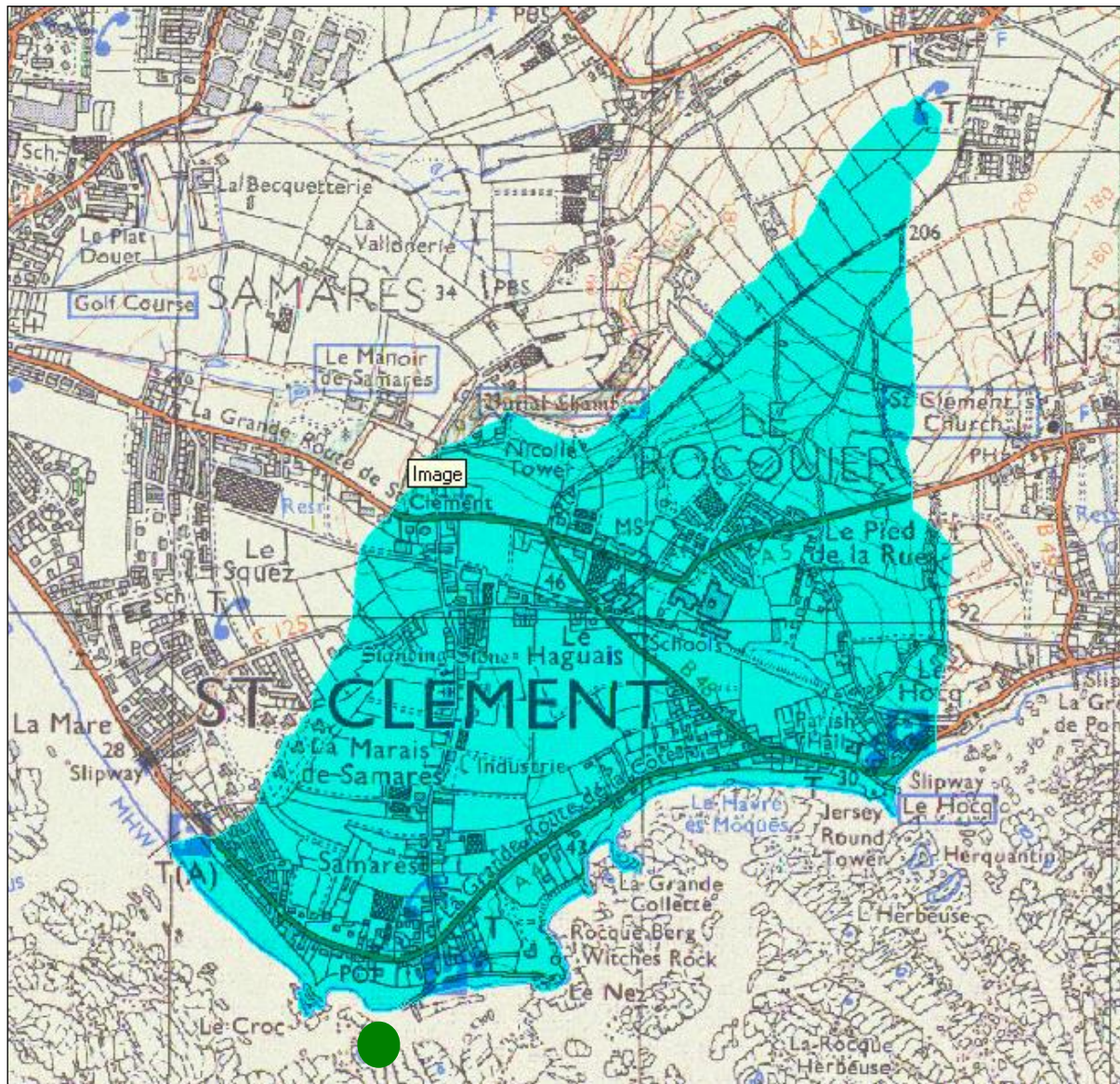


Catchment description

The natural drainage (hydrological) catchment surrounding the bathing water is approximately 150 hectares. The upper part of the catchment slopes fairly steeply whilst the lower catchment slopes more gently southwards.

Approximately half of the catchment is arable land (mainly potatoes). The remainder of the land is residential with a small amount of grassland.

Catchment map



Pollution management

The quality of the sea is dependant on the type and size of land (the catchment) draining to the coast and the activities undertaken on it.

The following section gives an indication of potential sources of pollution, conditions under which they may arise and measures put in place to drive improvements.

Sewage Treatment Works outfall

There is no sewage treatment works outfall within this catchment.

Emergency/Storm overflows

There are three pumping stations located within this catchment. Le Rocquier pumping station has a high level overflow to the surface water system to sea through Le Hocq outfall. Rue du Hocq pumping station spills at the station once the overflow capacity has been reached. Le Hocq pumping station spills in the road outside the station. The overflows operate during heavy rainfall when the sewerage system can become overwhelmed by the amount of surface waters entering the sewerage system. The overflows prevent sewage from backing up pipes and flooding properties. Le Hocq pumping station has spilled twice, once due to an emergency due to a collapsed rising main and once during heavy rainfall, in the five-year period 1 January 2012 to 31 December 2016. The spill of 13 August 2013 lasting 3 hours and 6 minutes was the only spill to occur during the bathing water season. Rue du Hocq pumping station and Le Rocquier have not spilled during heavy the five-year period 1 January 2012 to 31 December 2016.

Misconnections

The misconnection of domestic foul water to surface water drainage can affect the water quality of streams and the sea.

EP is not aware of any current misconnections within the bathing water catchment.

Surface water outfalls

There is an outfall below the car park approximately 100 m east of the sampling point (see light-blue triangle on the bathing water map). There are two outfalls at Le Hocq near the eastern boundary of this catchment. There is an outfall at Greve D'Azette just outside the western boundary of this catchment, but within the Havre des Pas catchment. Any contamination entering surface water drains will discharge through outfalls onto the beach. This is most likely to occur after heavy rainfall. EP has historically monitored the water quality of the outfall near to Le Hocq slip.

Highway drains

Heavy rain falling on pavements and roads often drains into highway drains surface water sewers, ending up in local streams, and ultimately, the sea.

Highway drains are often connected to streams which could result in the quality of the stream or bathing water becoming adversely affected, especially following periods of heavy rainfall.

Working with the farming community

There is one farm located on the border of this catchment and the Havre des Pas catchment having just two cows. Approximately 40 poultry are registered to various holdings within this catchment.

All farmers are required to adhere to the cross-compliance requirements in order to be able to claim the single area payment under the Rural Economic Strategy. This cross-compliance involves a number of measures to minimise pollution including where necessary a 'Farm Manure Waste Management Plan'.

During and after periods of heavy rainfall, run-off from agricultural areas will be greatly increased. The quality of the bathing water may be adversely affected as a result of such events.

Working with industry

There is no heavy industry within this catchment.

Working with private owners

Only one to two percent of domestic properties are not on the main sewerage system and have private sewage treatment arrangements. EP do not believe these are a source of pollution to the bathing water at present. If any concerns arise, EP will investigate and request immediate remedial action from those responsible.

Streams

There are no streams within this catchment.

Boats

Leisure craft are sometimes moored at La Hocq, at the eastern end of the catchment.

Wildlife

Seagulls are occasionally present at this bathing water.

Algae

Macroalgae (seaweed) and phytoplankton (microscopic algae) are a natural part of the marine environment.

Seaweed (macroalgae)

EP's current information suggests that the bathing water can be subject to small amounts of seaweed depending on tides and the weather.

Phytoplankton

Phytoplankton (microscopic algae) naturally increase in numbers at certain times of the year. This process is known as a phytoplankton bloom. EP's current information suggests that this bathing water is unaffected by phytoplankton blooms.

Access and Facilities

Parking	✓
Easy access	✓
Access by steps	
Refreshments	✓
Deck chair hire	
Watersports	
Toilets	✓
Disabled toilets	
Showers	✓
Lifeguards	

Further information

To make any comments about the contents of this bathing water profile please send an email to: envprotection@gov.je. Please phone the water pollution hotline on Tel: 709535 to report pollution. For health advice please contact Environmental Health on Tel: 445808 or visit www.gov.je/environmentalhealth

About this document

Original: August 2011

Last update: May 2018

Next update: