

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: Rozel



Beach operator States of Jersey

Details

Monitoring began: 2004

Sampling point location: Lat/Long 49.14 N 2.03 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.

Rozel

Annual water quality classification

2015: Good 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)

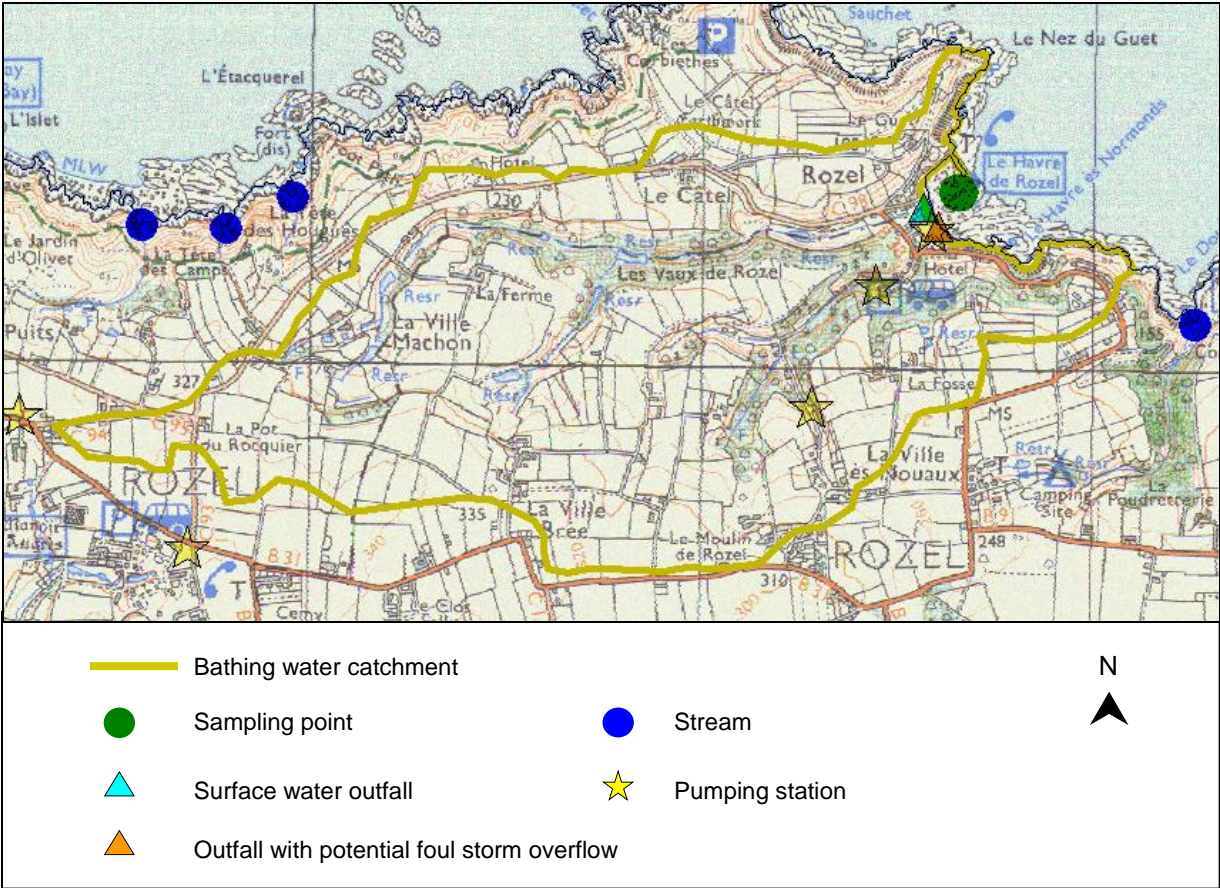
Bathing water description

Rozel is a small fishing harbour. The bathing water is located in a small and shallow bay, approximately 300 m long, situated on the north-east coast of Jersey. The beach slopes fairly steeply and consists of shingle and sand with areas of rocks.

Several small agricultural reservoirs are connected by a stream which drains through the western outfall into the bay. Another stream drains through the eastern outfall into the bay (see bathing water map).

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

Bathing water map

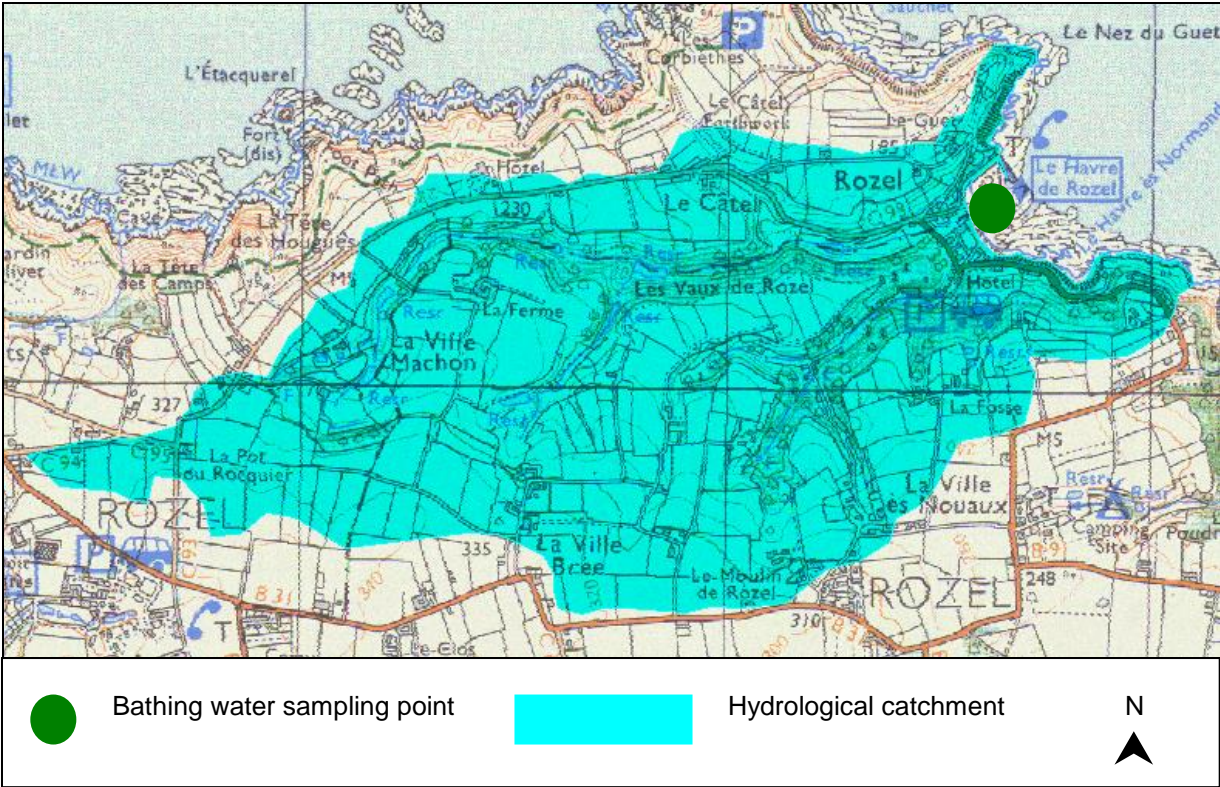


Catchment description

The natural drainage (hydrological) catchment surrounding the bathing water is approximately 174 hectares. The catchment consists of two stream valleys surrounded by steeply sloping hills. Water running off the land into the streams will reach the beach via the outfalls.

Approximately 70 percent of the catchment is agricultural with more land being used for arable than used for livestock. The two valleys are mainly wooded. The remainder of the catchment is natural vegetation (mainly cliffs, scrub and grassland) with a few scattered residential properties, and businesses.

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.

Transport and Technical Services have upgraded the Rozel foul sewer by replacing existing pipes with more durable pipes. The work commenced on 19 April 2010 and was completed within 17 weeks.

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. Rozel No. 1 pumping station has a high level overflow to sea, which discharges via the eastern outfall at La Brecque du Sud. Rozel No. 2 pumping station has a high level overflow to the stream, once the overflow capacity has been reached, which discharges through the same outfall. 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. Rozel No. 1 pumping station has spilled once and Rozel No. 2 pumping station has spilled once during the five five-year period 1 January 2011 to 31 December 2015. The spill at Rozel No.1 on 13 August 2015 during heavy rainfall, lasting 58 minutes was the only spill to occur during the bathing season. Rozel No. 3 pumping station has not spilled during the five-year period 1 January 2011 to 31 December 2015. These three pumping stations are connected and flow by gravity down the valley to Rozel No. 1 pumping station, which acts as a collection sump before being pumped back up the hill to pumping stations along the network and on to the sewage treatment works.

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 are two surface water outfalls (indicated by the light-blue triangle and orange triangle on the bathing water map) located within this bay each draining a stream running through the two valleys. Any contamination entering the streams will discharge through these outfalls onto the beach. This is most likely to occur after heavy rainfall. EP has historically monitored the water quality of both outfalls.

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 having between 400 and 500 cattle within this catchment. One cow is registered at a separate holding and two goats are registered at another holding. Approximately 150 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 States of Jersey 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

Approximately half 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

Streams can be affected by human or industrial inputs from further up the catchment. Two streams which run onto the beach via the western and eastern outfalls within this bathing water catchment (see bathing water map) may sometimes be a source of poorer water quality than usual after heavy rainfall.

Boats

Rozel is a working harbour and a number of fishing boats are moored in this bathing water. In the summer pleasure craft also moor in this bathing water bringing the total number of boats located here to about 40.

Wildlife

There are resident duck and geese populations of 10 to 20 birds 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	

- Limited parking

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 Health Protection Tel: 443712 or visit www.gov.je/HealthProtection

About this document

Original: August 2011

Last update: May 2016

Next update: