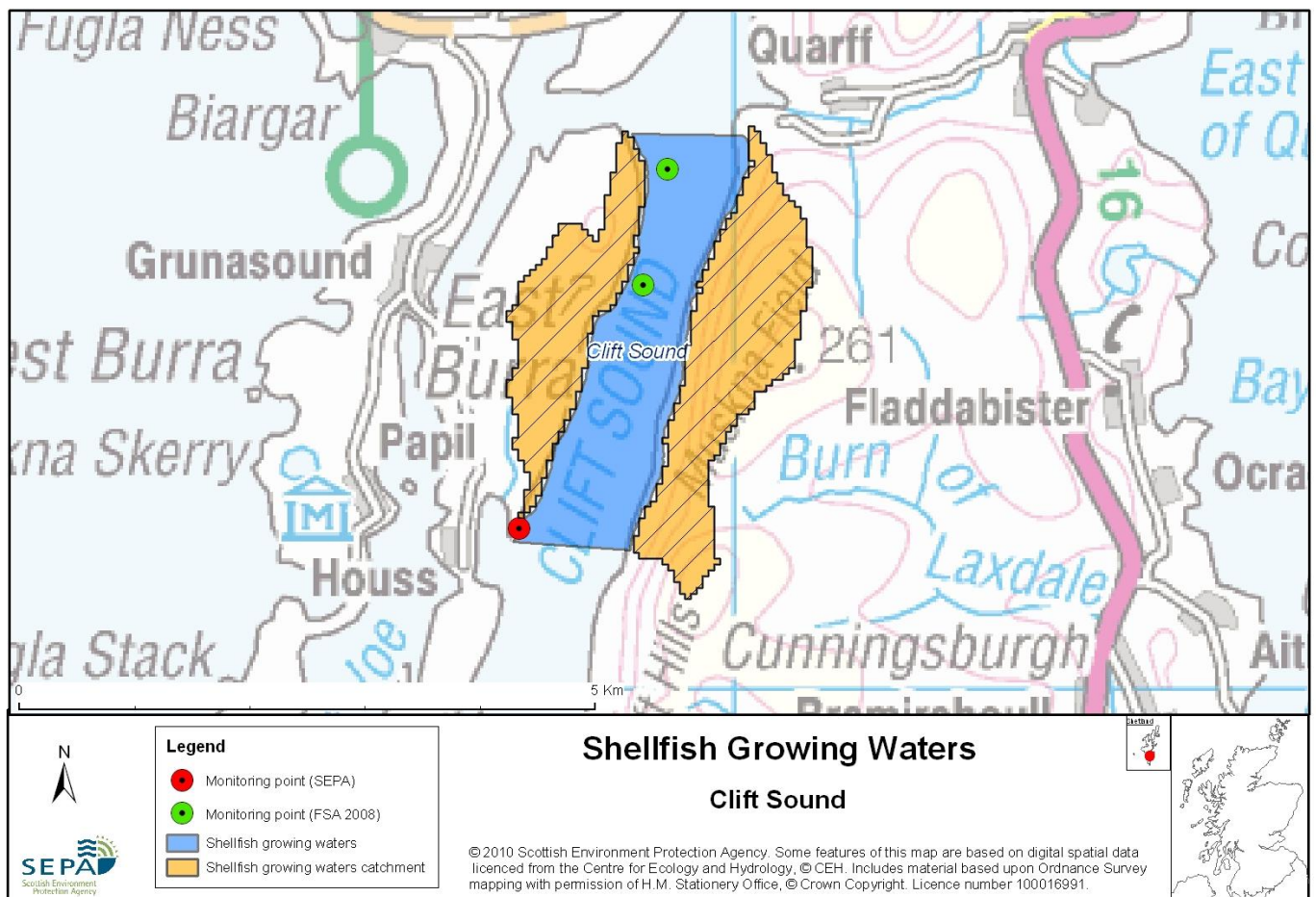


111 Clift Sound



Name	Clift Sound
Report Reference Number	111
WFD Code	UKS79923111
Local Information	Area bounded by a line drawn from the Taing HU3911134807 to HU4006834793, and a line from HU3808131274 to HU3909631197, extending to MHWS
Designated Area (km ²)	2.95
Year of Designation	2005
Sampling Points	Clift Sound at The Taing (water) - HU 38140 31390
Commencement of Monitoring	July 2005

111.1 Commercial Shellfish Interests

The Food Standards Agency (FSA) has four sites (East Hogaland, Booth, Stream Sound, Whal Wick) classified for the production of Common mussels (*Mytilus edulis*).

Clift Sound: All sites (common mussels)
2011 = A - April to December
2012 = A - January to March

All sites are designated as category A sites are of the highest standard and means that shellfish can go directly for human consumption.

FSA have completed a sanitary survey for Clift Sound

For more information on Food Standards Agency Classification please visit:
<http://www.food.gov.uk/scotland/safetyhygienescot/shellmonitorscot/shellclassesscot/>

111.2 Bathymetric Information

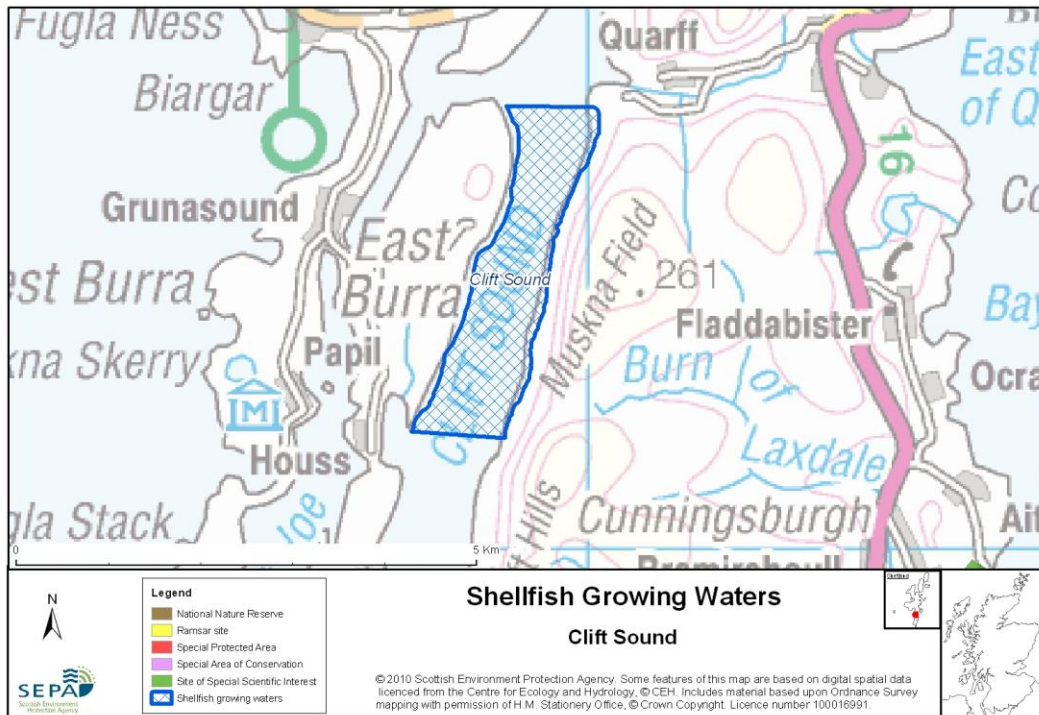
Clift Sound is situated between the west coast of mainland Shetland and East Burra. It is exposed to south/south-westerly winds. The total length of the sound is approximately 10kms (to Stacks of Houssness on Houss Ness) and the shellfish growing area is approximately 3.7kms, with a maximum water depth of 27m.

The waters have some morphological alterations due to commercial fishing.

111.3 Conservation Designations

Within the Shellfish Water designation there are two Food Standards Agency (FSA) designated Shellfish Harvesting Areas. There are a number of other FSA Shellfish Harvesting Areas designated in the surrounding waters of Clift Sound, including two to the north and for to the west.

There are no conservation designations within a 5km radius of the Shellfish Water.



111.4 Topography and Land Use – Potential Diffuse Pollution Sources

The designated waters are within an inlet formed by Mainland Shetland and the islands of East Burra and West Burra. The land to the immediate east of the designated waters is sparsely populated and is mostly steep grazing land comprising of heath and improved grassland along the coastline with open heath further inland.

The land cover on the west side of the sound is more mixed comprising of improved grassland, acid grassland, heath and open heath. The island of East Burra to the west is low-lying and has few settlements.

There are two rivers which drain into the shellfish waters, an un-named burn which flows into the East Voe of Scalloway to the north and the Burn of Quarff which drains into the West Voe of Quarff on the eastern shore of Clift Sound. There is a sheep dipper on the Laxdale Burn at NGR HU41783082.

SEPA does not have diffuse source pollution pressures recorded as causing downgrades recorded for this shellfish water.

111.5 Point Source Discharge

There are no major Scottish Water discharges into the waters, the only discharges from land being from private household septic tanks.

There are two marine cage fish farms within the growing waters and one just outside, these three farms have a combine biomass of 2348.2 tonnes.

Category	Name	Consent No.	NGR	Biomass (t)	Additional Information
Fish Farm	Lippie Geo, Site 2	CAR/L/1003902-VN1	HU39403285	948.2	Within Shellfish Water
	Crooie Site, Site 1	WPC/N/60951(03)	HU39743395	200	
	Holms Geo, Site 3	CAR/L/1004210	HU38893113	1200	Just outside Shellfish Water

SEPA does not have point source pollution pressures recorded as causing downgrades recorded for this shellfish water.

111.6 Compliance Monitoring Regime

Site	Current Monitoring	Comments
Clift Sound	<ul style="list-style-type: none"> Twice a year for metals in water 	-

111.7 Compliance History

UKS79923111 - Clift Sound				
	Compliance history for Waters and Biota, excluding faecal coliforms data			Compliance history for faecal coliforms
Year	Overall Result	Imperative	Guideline	Guideline
2006	Fail	Fail ¹	Fail ²	No data available
2007	Pass	Pass	Pass	Pass
2008	Pass	Pass	Pass	Pass
2009	Pass	Pass	Pass	Pass
2010	Pass	Pass	Pass	Pass

¹Failure relates to a single fail of the imperative standard for dissolved oxygen of 68.7% taken at Clift Sound @ the Taing in February 2006. This fail breaches the imperative EQS standard set and thus the overall result for this site is a fail.

²Failure relates to a single fail of the guideline standard for salinity of 8.23 taken at Clift Sound @ the Taing in September 2006.

Biannual water data collected biannually FSA however gather data for this water so SEPA use those results; SEPA first received results for Clift Sound in 2008.

There was no data available for guideline faecal coliforms in 2006, but has passed 2007 to 2010.

111.8 Future Monitoring

The monitoring regime (111.6 Compliance Monitoring Regime) will be followed. In the event of any chemistry parameter failing to meet any EQS, the site will be revisited and resampled for the failed parameter.

Samplers are asked to identify any evidence of visible harm to the shellfish population at the site.

Faecal coliform data is collected by SEPA from many of the shellfish waters to comply with Guideline Standards ($\leq 300/100\text{ml}$ of shellfish flesh and intervalvular fluid). However many shellfish sites are also by FSA, which can often be more frequent. When this occurs FSA data ($\leq 230 E.coli/100\text{g}$ flesh) can be used to infer pass/fail of Guideline Standards for faecal coliforms.

111.9 Improvement Actions

There are currently no improvement actions planned for this designated Shellfish Water.

WFD Objectives

Under the Water Framework Directive, the target objectives expect this shellfish water to Pass by 2015 (first River Basin Management Plan Cycle) for Imperative and Guideline Shellfish Growing Water Standards, with high confidence.

Objective	First Cycle 2015	Confidence	Second Cycle 2021	Confidence	Third Cycle 2027	Confidence
Imperative Shellfish Growing Waters Standard	Pass by 2015	High	Pass by 2021	High	Pass by 2027	High
Guideline Shellfish Growing Waters Standard	Pass by 2015	High	Pass by 2021	High	Pass by 2027	High

111.10 Summary of Actions

Action	Deadline
No improvement actions required	N/A