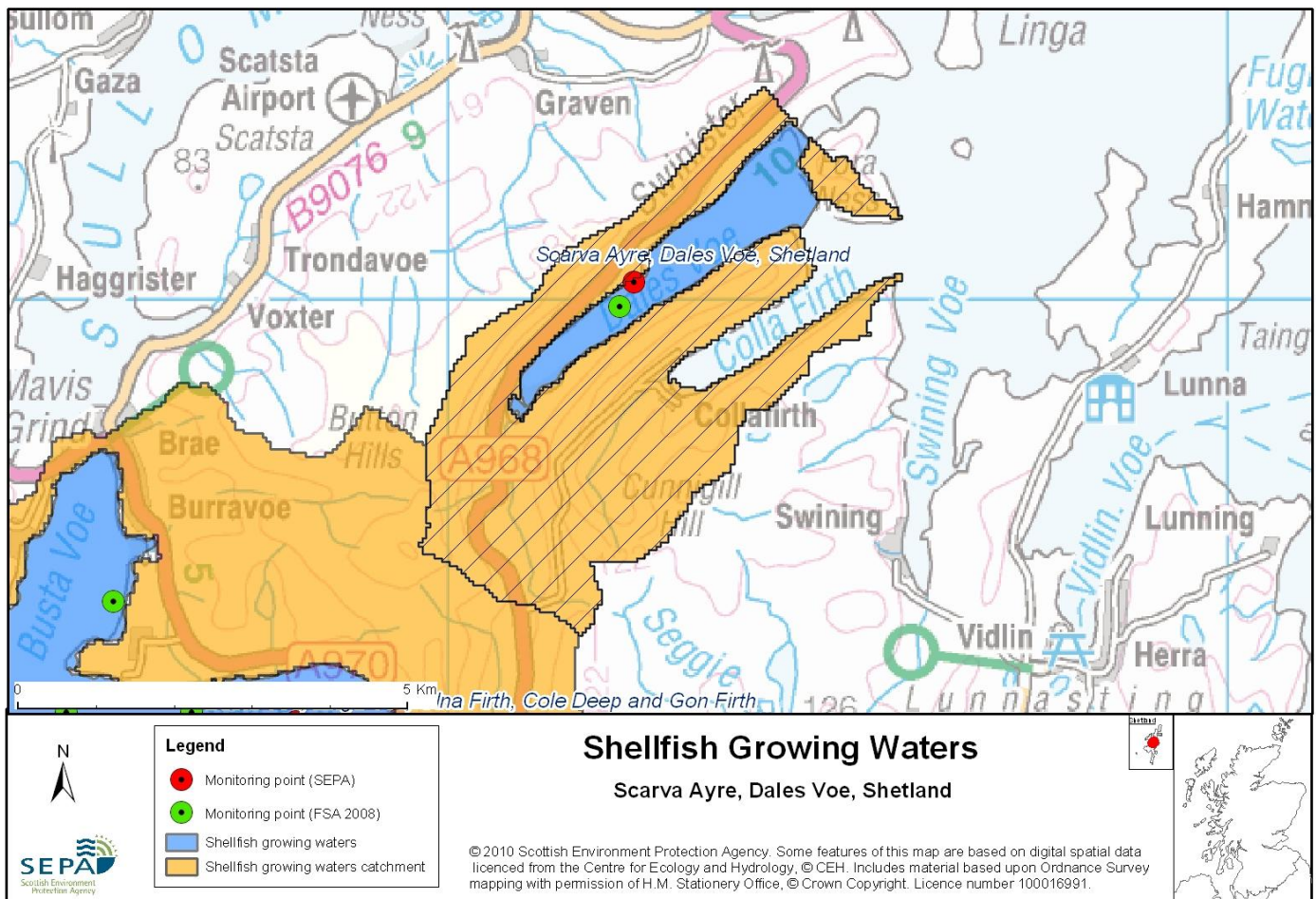


40 Scarva Ayre, Dales Voe, Shetland



Name	Scarva Ayre, Dales Voe, Shetland
Report Reference Number	40
WFD Code	UKS7992340
Local Information	An area west of a line drawn between HU4455870928 (West Taing) to HU4476171265 (Fora Ness), and extending to MHWS.
Designated Area (km²)	2.88
Year of Designation	2002
Sampling Points	Scarva Ayre, Dales Voe, Delting, Shetland - HU 42400 70220
Commencement of Monitoring	2003

This site was previously Colla Firth. Modified in 2009.

40.1 Commercial Shellfish Interests

Part of the Shellfish Water is also designated by the Food Standards Agency (FSA) as a Shellfish Harvesting Area for the production of Common mussels (*Mytilus edulis*).

Dales Voe: Scarvar Ayre (Common mussels)
2011 = A - April to June, October to December
B - July to September
2012 = A - January to March

Category A sites are of the highest standard and means that shellfish can go directly for human consumption.

FSA have not carried out a sanitary survey for Scarva Ayre, Dales Voe.

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

40.2 Bathymetric Information

There are two Dales Voe in Shetland. Scarva Ayre, Dales Voe, Shetland Shellfish Water is situated on the northern mainland of Shetland, situated next to Colla Firth.

Dales Voe has a length of 5.1km, with a maximum depth of 36m. The voe has a tidal range of 1.8m. There are no basins in this loch.

40.3 Conservation Designations

A small section of this Shellfish Water is also designated by the Food Standards Agency (FSA) as a Shellfish Harvesting Area in Dales Voe.

There is also a FSA Shellfish Harvesting Area at West Lunna Voe, southeast of Dales Voe.

Special Area of Conservation (SAC) – [Yell Sound Coast](#)

Designated 17/03/2005 for internationally important mammal species (Common seal (*Phoca vitulina*) and Otter (*Lutra lutra*))

This is also a **Water Dependent SAC**

Sites of Special Scientific Interest (SSSI) – [Yell Sound Coast](#)

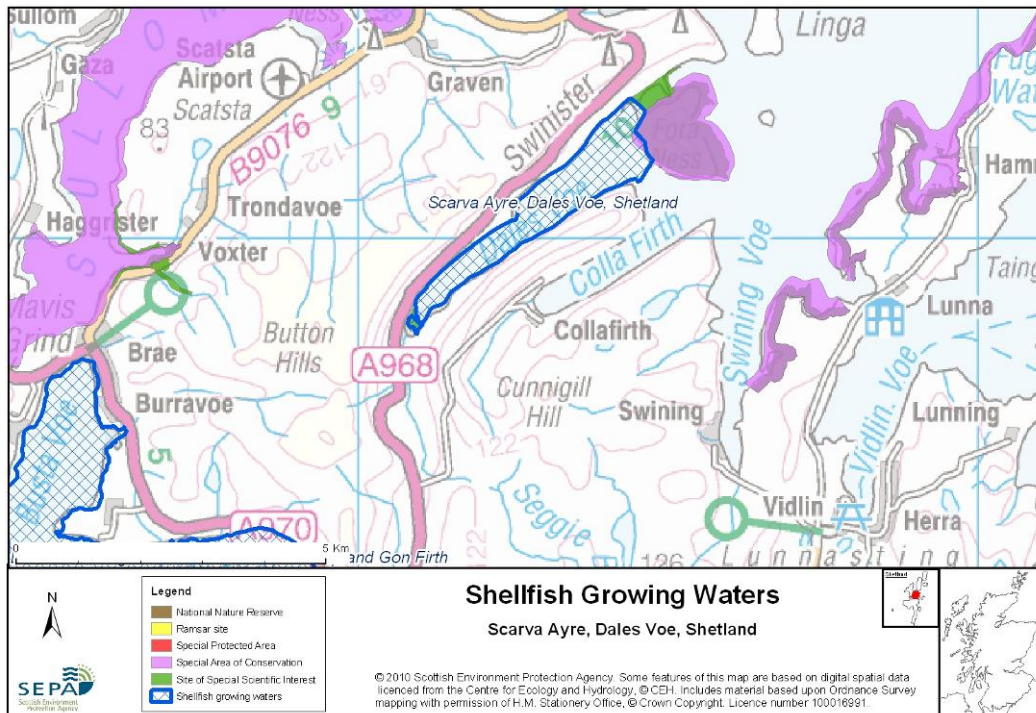
Designated 17/03/1998 for mammal species (Otter (*Lutra lutra*))

Sites of Special Scientific Interest (SSSI) – [Dales Voe](#)

Designated 13/02/1989 for habitat saltmarsh - Littoral coastal sediment

Sites of Special Scientific Interest (SSSI) – [The Ayres of Swinister](#)

Designated 10/03/1987 for geology - Coastal Geomorphology of Scotland



40.4 Topography and Land Use – Potential Diffuse Pollution Sources

The land around the designated area is of blanket bog and heather moorland. There are only minor freshwater inputs to the designated area and, although these are not monitored by SEPA, they are all considered to be of at least good quality. The most significant of the inputs drains the agricultural land along the road. Diffuse pollution is expected to be minor and primarily from run off from sheep farming.

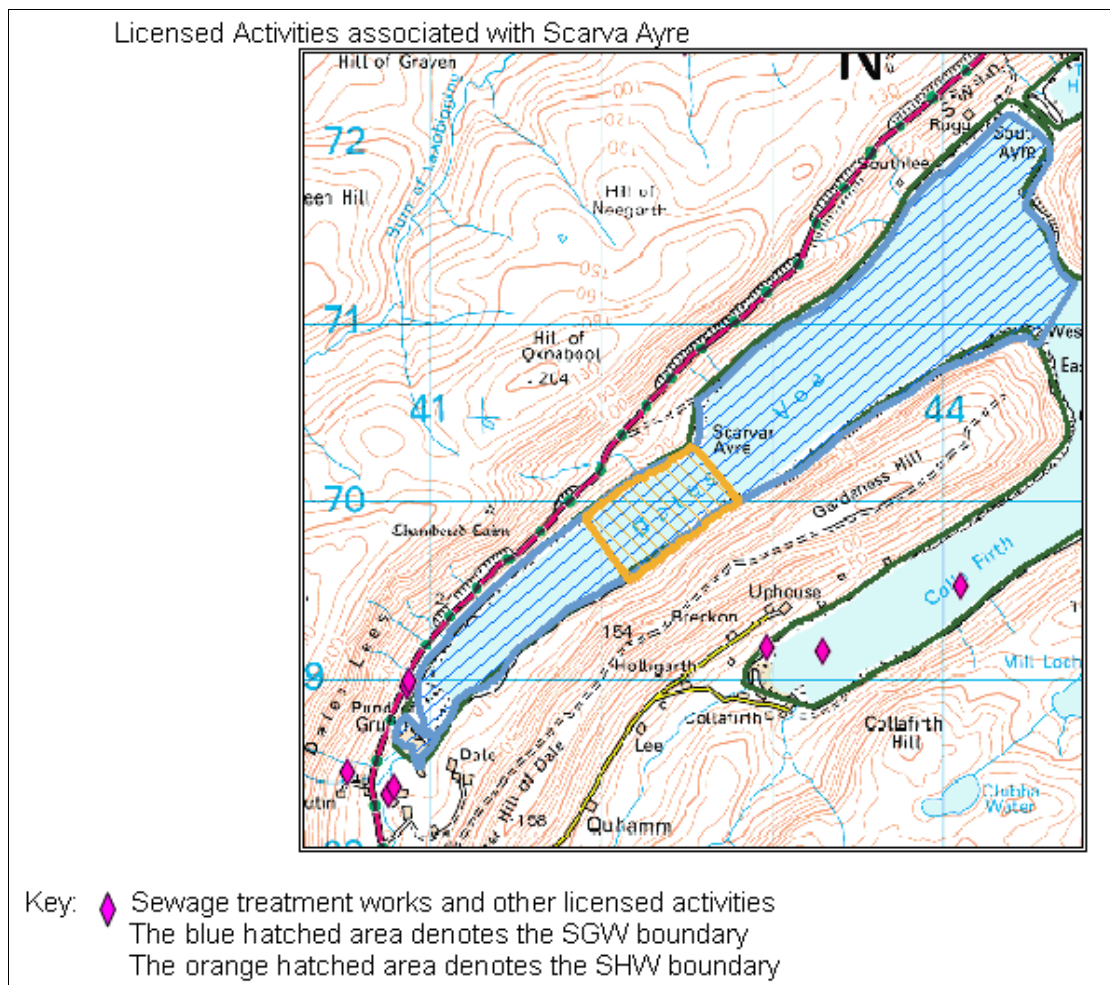
There is a cluster of private sewage works at the head of the loch and possibly livestock grazing in the area. There are no other pressures associated with this Loch in the WFD pressures database. There is no direct seasonal trend to the fails through 2009 so rainfall therefore increased runoff could be a significant contributing factor to increases in diffuse inputs from animals and septic tanks into this water-body

40.5 Point Source Discharge

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

There are three fish farms within the designated shellfish water with a combined biomass of 850 tonnes.

Category	Name	Consent No.	NGR	Biomass (t)	Additional Information
Fish Farm	West Taing, Dales Voe	WPC/N/70522	HU 4410 7095	500	-
	Scarva Ayre	WPC/N/61645	HU 4275 7060	250	-
	Dales Voe (South)	WPC/N/61647	HU 4320 7035	100	-



40.6 Compliance Monitoring Regime

Site	Current Monitoring	Comments
Scarva Ayre	<ul style="list-style-type: none"> Quarterly for E. coli in mussels Once every three years for metals and organohalogens in mussels 	<ul style="list-style-type: none"> Sampled by the FSA

40.7 Compliance History

Compliance prior to 2009 was for Colla Firth. In 2009 this area became Scarva Ayre, Dales Voe, Shetland.

UKS7992340 - Colla Firth				
	Compliance history for Waters and Biota, excluding faecal coliforms data			Compliance history for faecal coliforms
Year	Overall Result	Imperative	Guideline	Guideline
2003	Pass	Pass	Pass	Fail
2004	Pass	Pass	Pass	Pass
2005	Pass	Pass	Pass	Pass
2006	Pass	Pass	Pass	Fail
2007	Pass	Pass	Pass	Fail
2008	Pass	Pass	Pass	Pass

UKS7992340 - Scarva Ayre, Dales Voe, Shetland				
	Compliance history for Waters and Biota, excluding faecal coliforms data			Compliance history for faecal coliforms
Year	Overall Result	Imperative	Guideline	Guideline
2009	Pass	Pass	Fail ¹	Fail
2010	Pass	Pass	Pass	Pass

Of the six samples analysed for Faecal Coliforms in 2003 and 2004, one gave a result above the Guideline standard. Of the four samples analysed in 2005 for Faecal Coliforms, only one breached the Guideline standard. Of the seven samples taken in 2006 and 2007 only two achieved the guideline standard giving an overall fail for both years. Guideline faecal coliforms passed in 2008.

The new area for this designated site failed the guideline standard for faecal coliforms in 2009 but passed in 2010.

¹The waters failed guideline standards for Zinc in 2009

40.8 Future Monitoring

The monitoring regime (40.6 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.

40.9 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 Shellfish Growing Water Standards, with high confidence.

The Guideline Shellfish Growing Water Standards are also predicted to pass by 2015, but with low confidence due to the past failures of the guideline standards.

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	Low	Pass by 2021	Low	Pass by 2027	Low

40.10 Summary of Actions

Action	Deadline
No improvement actions required	N/A