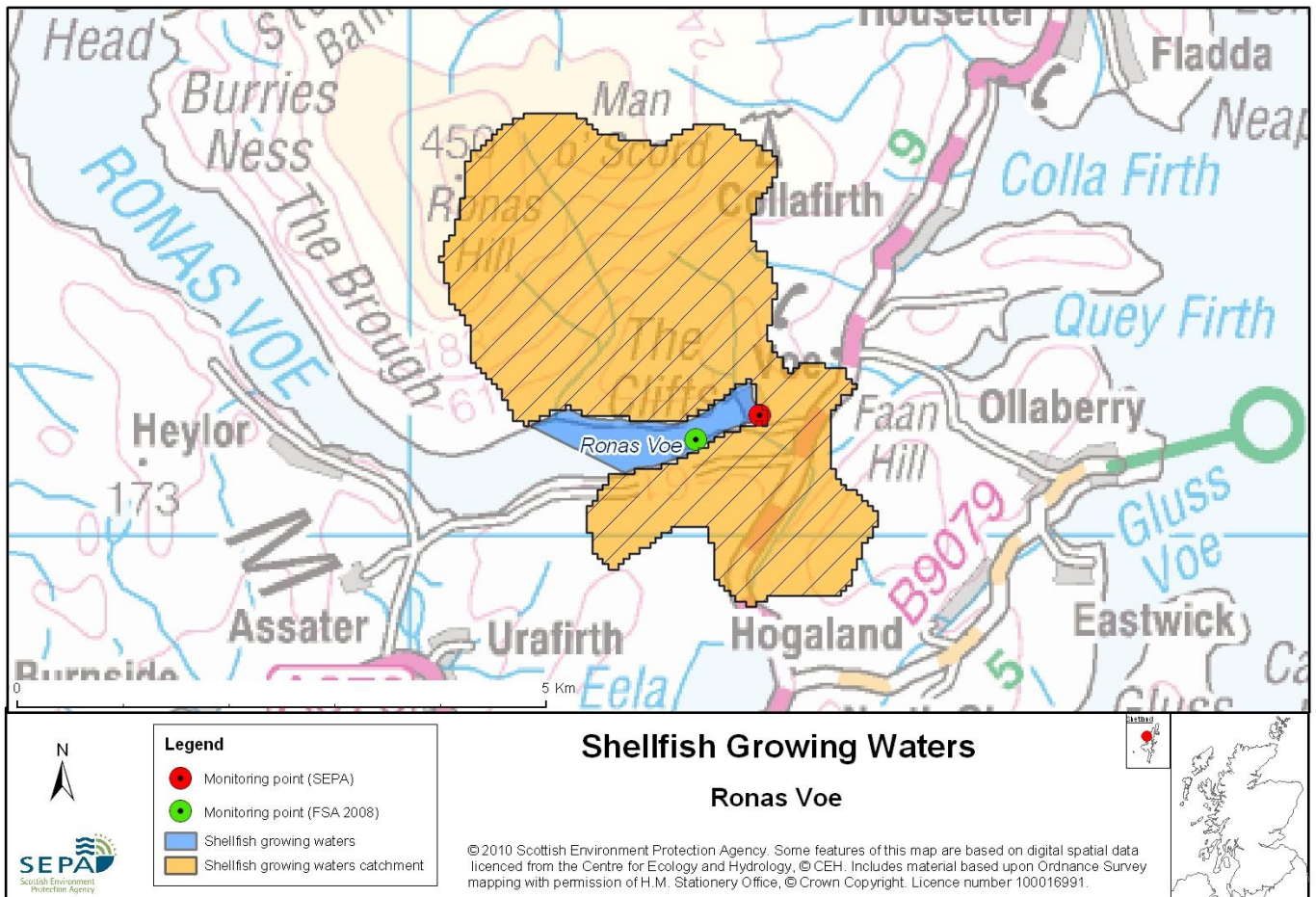


93 Ronas Voe



Name	Ronas Voe
Report Reference Number	93
WFD Code	UKS7992393
Local Information	An area to east of a line drawn between HU3114381029 and HU3200080600 and extending to MHWS.
Designated Area (km²)	0.72
Year of Designation	2002
Sampling Points	Ronas Voe Mussel Site - HU 33312 81130
Commencement of Monitoring	2003

93.1 Commercial Shellfish Interests

The Food Standards Agency (FSA) has designated a section of Ronas Voe as a Shellfish Harvesting Area. The Harvesting area is separate from the designated Shellfish Waters.

FSA classified Ronas Voe at two sites (Ronas Voe and Ronas Voe: South of Ayre of Teogs) for the production of Common mussels (*Mytilus edulis*). In 2011 these sites changed to Ronas Voe East (Lifts and Ronas Voe), Ronas Voe Mussels 2 (South of Syre of Teogs and West of Black Well)

Ronas Voe: All sites (Common mussels)
2011 = A - April to December
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 completed a sanitary survey for Ronas Voe

For more information on Food Standards Agency Classification please visit:

<http://www.food.gov.uk/scotland/safetyhygienescot/shellmonitorscot/shellclassesscot/>

93.2 Bathymetric Information

This voe lies to the northwest of mainland Shetland. It has a length of 8.8km, a depth of 42m and a catchment area of 30km². Ronas Voe has a fresh/tidal flow ratio of 5, with a salinity reduction of 0.2ppt, indicating low freshwater influence. It contains two sills: the first has a length of 1.6km at a depth of 15m and the second has a length of 450m at a depth of 9m. There are no morphological pressures on the waters.

93.3 Conservation Designations

There is a Food Standards Agency Shellfish Harvesting Area situated west of the Shellfish Water in Ronas Voe.

RAMSAR – [Ronas Hill - North Roe and Tingon](#)

Designated 11/08/1997 for internationally important habitat upland blanket bog

Special Protected Areas (SPA) – [Ronas Hill - North Roe and Tingon](#)

Designated 11/08/1997 for internationally important aggregations of breeding birds (Great skua (*Stercorarius skua*), Merlin (*Falco columbarius*), Red-throated diver (*Gavia stellata*))

This is also a **Water Dependent SPA** and a **Groundwater dependent SPA**

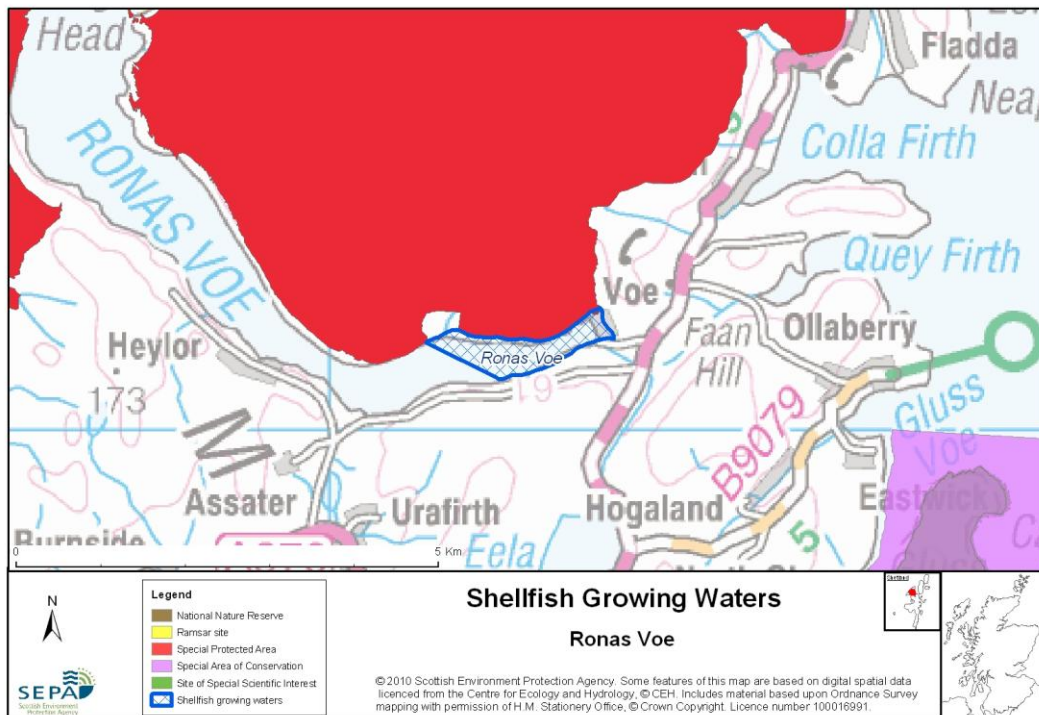
Special Area of Conservation (SAC) – [Ronas Hill - North Roe](#)

Designated 17/03/2005 for internationally important habitat - Acid peat-stained lakes and ponds, Acidic scree, Alpine and subalpine heaths, Blanket bog, Dry heaths, Wet heathland with cross-leaved heath, Clear-water lakes or lochs with aquatic vegetation and poor to moderate nutrient levels

This is also a **Water Dependent SAC** and a **Groundwater dependent SAC**

Site of Scientific Interest (SSSI) – [Ronas Hill - North Roe](#)

Designated 05/12/1986 for breeding bird assemblage (including Red-throated diver (*Gavia stellata*)), habitats (upland blanket bog, montane habitat assemblage, Broad-leaved, mixed and yew woodland), geology (Coastal Geomorphology of Scotland, Quaternary geology and geomorphology of Scotland) and other species (water fleas)



93.4 Topography and Land Use – Potential Diffuse Pollution Sources

The land bordering the designated area is mainly of blanket bog, rough, rocky ground and with some improved pasture. There are three minor freshwater inputs to the designated area, none of which are monitored by SEPA but all are considered to be of at least good quality. There are fewer than ten houses in the catchment area for freshwater inputs to the designated area.

Diffuse pollution is expected to be minor and primarily from run off from sheep farming.

93.5 Point Source Discharge

There are no Scottish Water sewage discharges to the designated area, nor within any part of Ronas Voe. Ronas Fisheries Ltd. are consented to discharge fish processing effluent to Ronas Voe at a site approximately 1km down loch of the designated area. There is a Fish Factory at Heylor with a consented discharge CAR/L/1002317.

Private septic tanks from the few houses at the head of Ronas Voe contribute to the sewage-related pollution of the designated area.

There are no fish farms within the designated Shellfish Waters, but there are two fish farms within 1km (situated in waters between the designated Shellfish Waters and the Shellfish Harvesting Area). There is a third fish farm in Ronas Voe, this is within 4km of the designated site.

Category	Name	Consent No.	NGR	Biomass (t)	Additional Information
Fish Farm	Crying Taing (Site B)	CAR/L/1001790-VN1	HU 3090 8040	400	Within 1km of Shellfish Water
	Pobie Sukka (Site A)	CAR/L/1003106	HU 3099 8074	400	
	Slocka (Site C)	CAR/L/1004988	HU28508270	1500	Within 4km of Shellfish Water

93.6 Compliance Monitoring Regime

Site	Current Monitoring	Comments
Ronas Voe	<ul style="list-style-type: none">Quarterly for faecal coliforms in musselsOnce every three years for metals and organohalogenes in mussels	<ul style="list-style-type: none">Sampled by the FSA

93.7 Compliance History

UKS7992393 - Ronas Voe				
	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	Fail	Fail ¹	Fail ²	Fail
2006	Pass	Pass	Fail ³	Fail
2007	Pass	Pass	Pass	Pass
2008	Pass	Pass	Pass	Pass
2009	Pass	Pass	Pass	Pass
2010	Pass	Pass	Pass	Pass

Of the six samples analysed for Faecal Coliforms in 2003 and 2004, three gave results above the Guideline standard. The waters failed to comply with the guideline standard in 2005 and 2006 but have passed ever since.

¹Failure relates to a single result in July 2005 of 13.00 µg/l zinc which breached the Imperative standard of 10 µg/l.

²Failure relates to a single result in 2005 of 295 mg/kg zinc in mussel flesh which breached the Guideline standard of 250 mg/kg.

³Failure relates to single result in 2006 of 16 µg/kg g-HCH in mussel flesh which breached the Guideline standard of 10 µg/kg.

93.8 Future Monitoring

The monitoring regime (93.6 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.

93.9 Improvement Actions

There are 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

93.10 Summary of Actions

Action	Deadline
No improvement actions currently planned	N/A