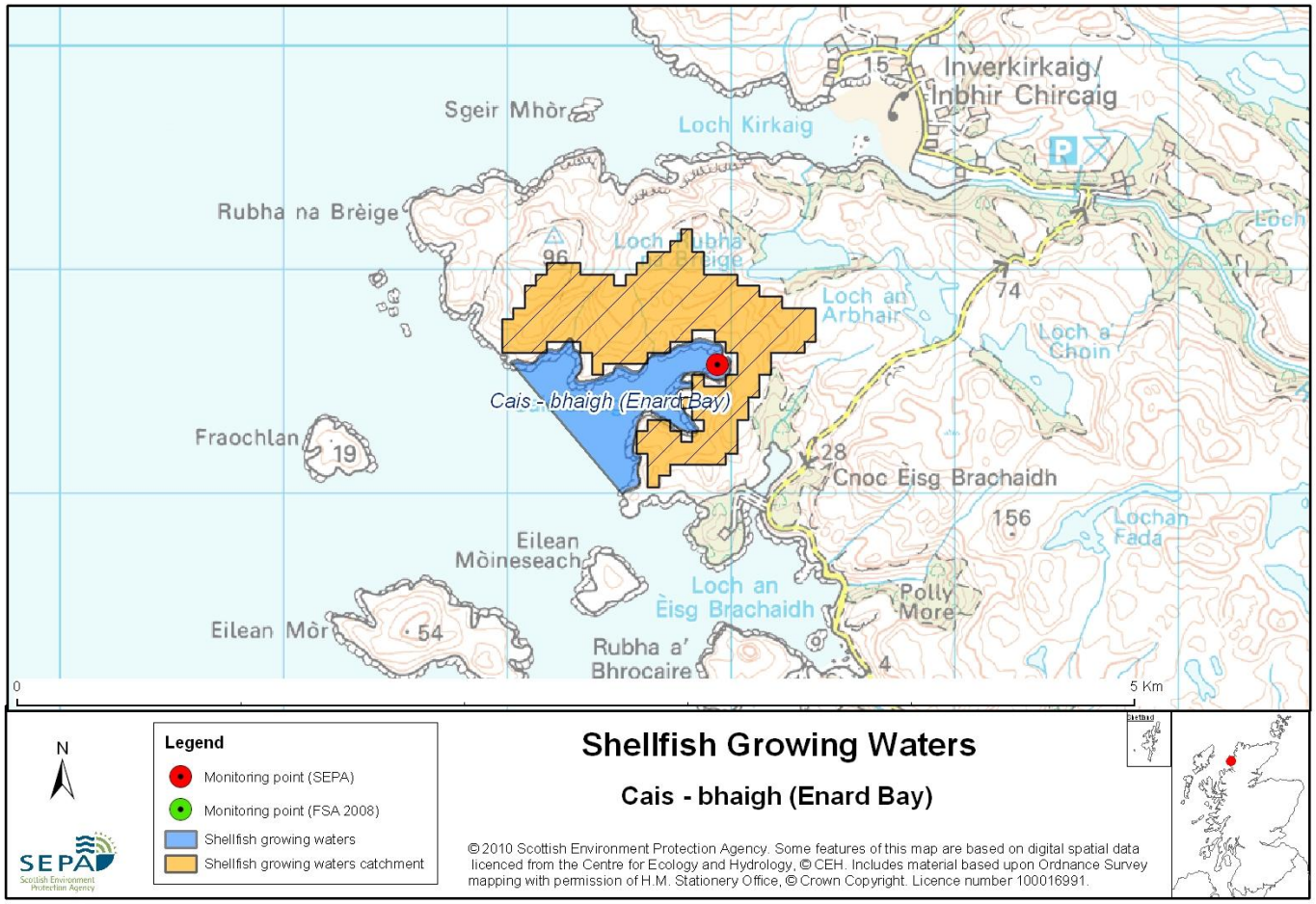
46 Cais - bhaigh (Enard Bay)



Name	Cais - bhaigh (Enard Bay)
Report Reference Number	46
WFD Code	UKS7992346
Local Information	An area inshore of a line drawn between NC0601418584 and NC0651217992 and extending to MHWS.
Designated Area (km²)	0.27
Year of Designation	2002
Sampling Points	Enard Bay Mussel Site (From April 2004) - NC 06940 18570
Commencement of Monitoring	2003

46.1 Commercial Shellfish Interests

There is no known commercial shellfish production in the Cais - bhaigh (Enard Bay) designated water.

FSA have yet to carry out a sanitary survey for Cais - bhaigh (Enard Bay)

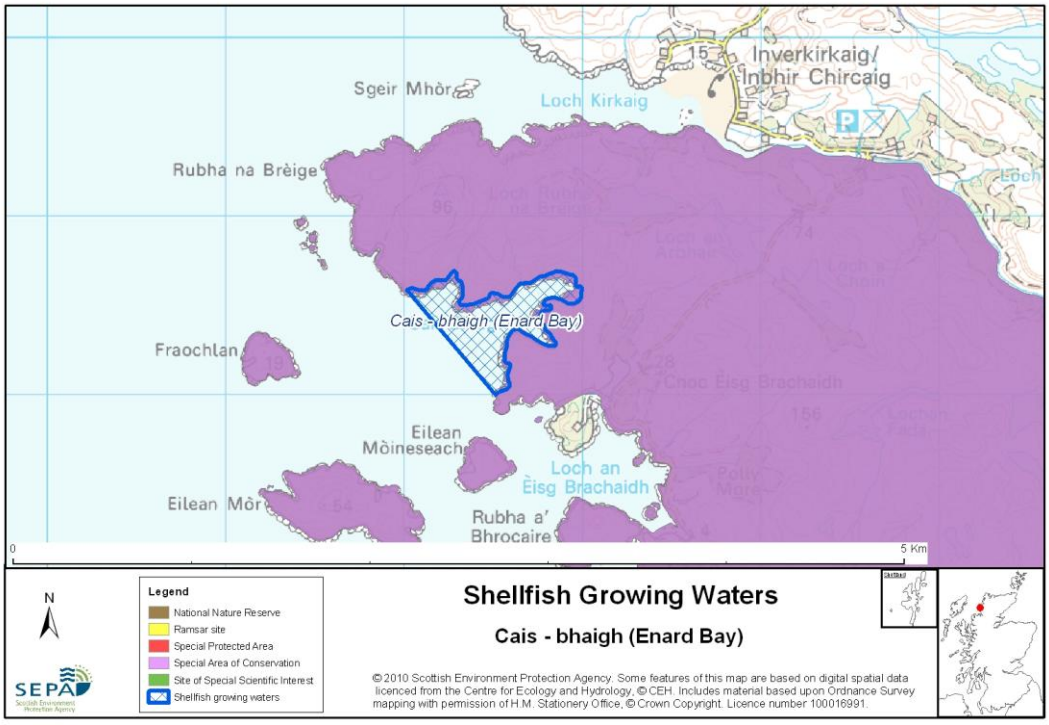
For more information on Food Standards Agency Classification please visit:
http://www.food.gov.uk/scotland/safetyhygienescot/shellmonitorscot/shellclassesscot/

46.2 Bathymetric Information

Enard Bay is located on the north west coast of Scotland, south of Loch Inver. The shellfish growing area is located in a small bay at Cais-bhaig at the northern end of Enard Bay. The small bay is open with a westerly aspect exposing it to westerly winds. The total length of the growing area is <1km and maximum water depth is approximately 12m. There are no morphological pressures on the waters.

46.3 Conservation Designations

Special Areas of Conservation (SAC) – Abhainn Clais an Eas and Allt a' Mhuilinn
Designated 17/03/2005 for internationally important species - Freshwater pearl mussel (Margaritifera margaritifera)



46.4 Topography and Land Use – Potential Diffuse Pollution Sources

There is significant evidence of deer activity and sheep grazing in around and in the immediate vicinity of this area which could very likely be the source of the failures.

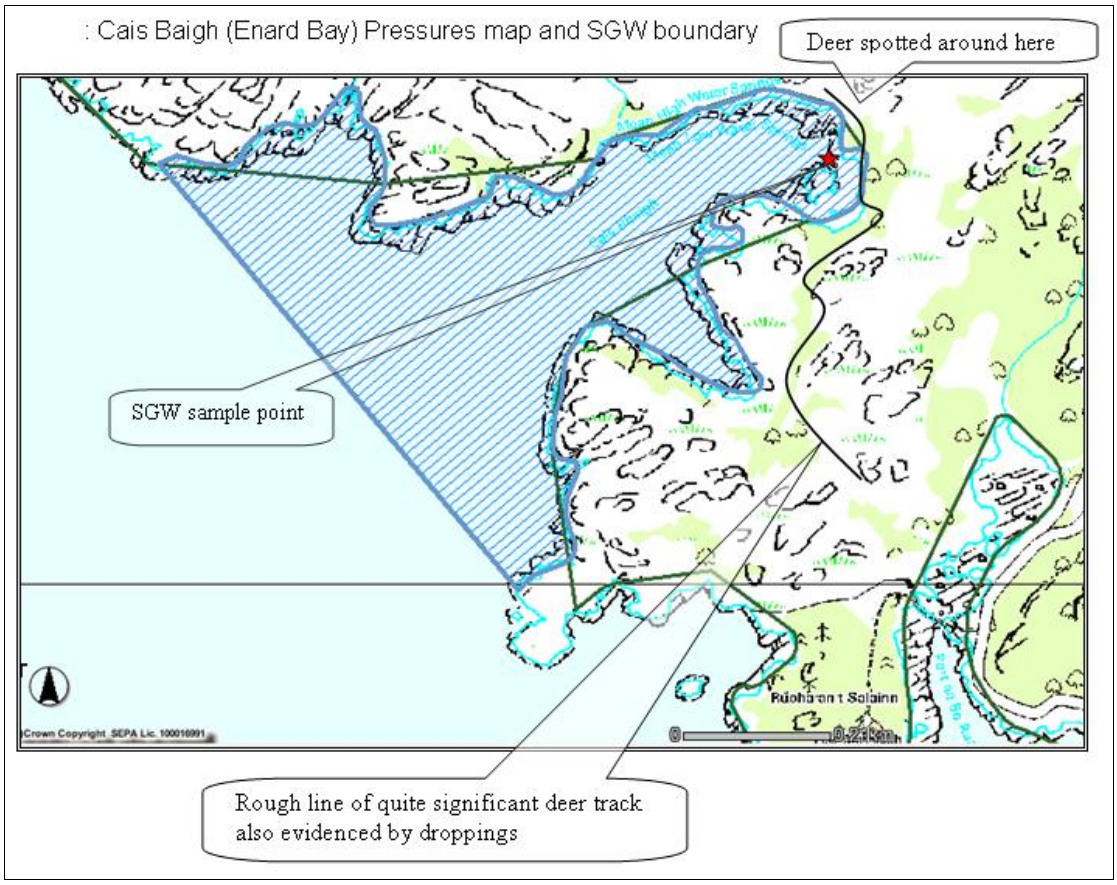
Heavy rainfall in 2009 may be the cause of the failure of guideline standards for faecal coliforms (see section 46.7 Compliance History below). This was the first failure since 2004.

If this shellfish water continues to fail it may be necessary to carry out bacterial source tracking studies to verify the origin of any diffuse source inputs.

46.5 Point Source Discharge

There are no significant point sources discharges of pollution to the designated area. There are few houses in the vicinity of the shellfish growing water.

There are no fish farms within the designated area. Three fish farms, with a combined consented biomass of 1163 tonnes, lie approximately 2km away.



46.6 Compliance Monitoring Regime

The following monitoring regime of the designated area was implemented in July 2005.

Year	Monitoring Regime
2005 -	• Quarterly for faecal coliforms in mussels • Quarterly for salinity, DO, pH and temperature • Every three years for metals and organohalogens in mussels, next collection scheduled for 2011

46.7 Compliance History

UKS7992346 - Cais - bhaigh (Enard Bay)				
	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	Fail
2005	Pass	Pass	Pass	Pass
2006	Pass	Pass	Pass	Pass
2007	Pass	Pass	Pass	Pass
2008	Pass	Pass	Pass	Pass
2009	Pass	Pass	Pass	Fail
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 shellfish water complied with the guideline standard 2005 – 2008 and again in 2010, but failed in 2009.

Heavy rainfall in 2009 may account for the failure of the guideline standards for faecal coliforms.

46.8 Future Monitoring

The monitoring regime (85.6 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.

46.9 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.

These target objectives are likely to be correct even though the shellfish water failed Guideline faecal coliform standards in 2009. This is likely to be an unusual event.

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

46.10 Summary of Actions

Action	Deadline
No improvement actions currently planned	N/A