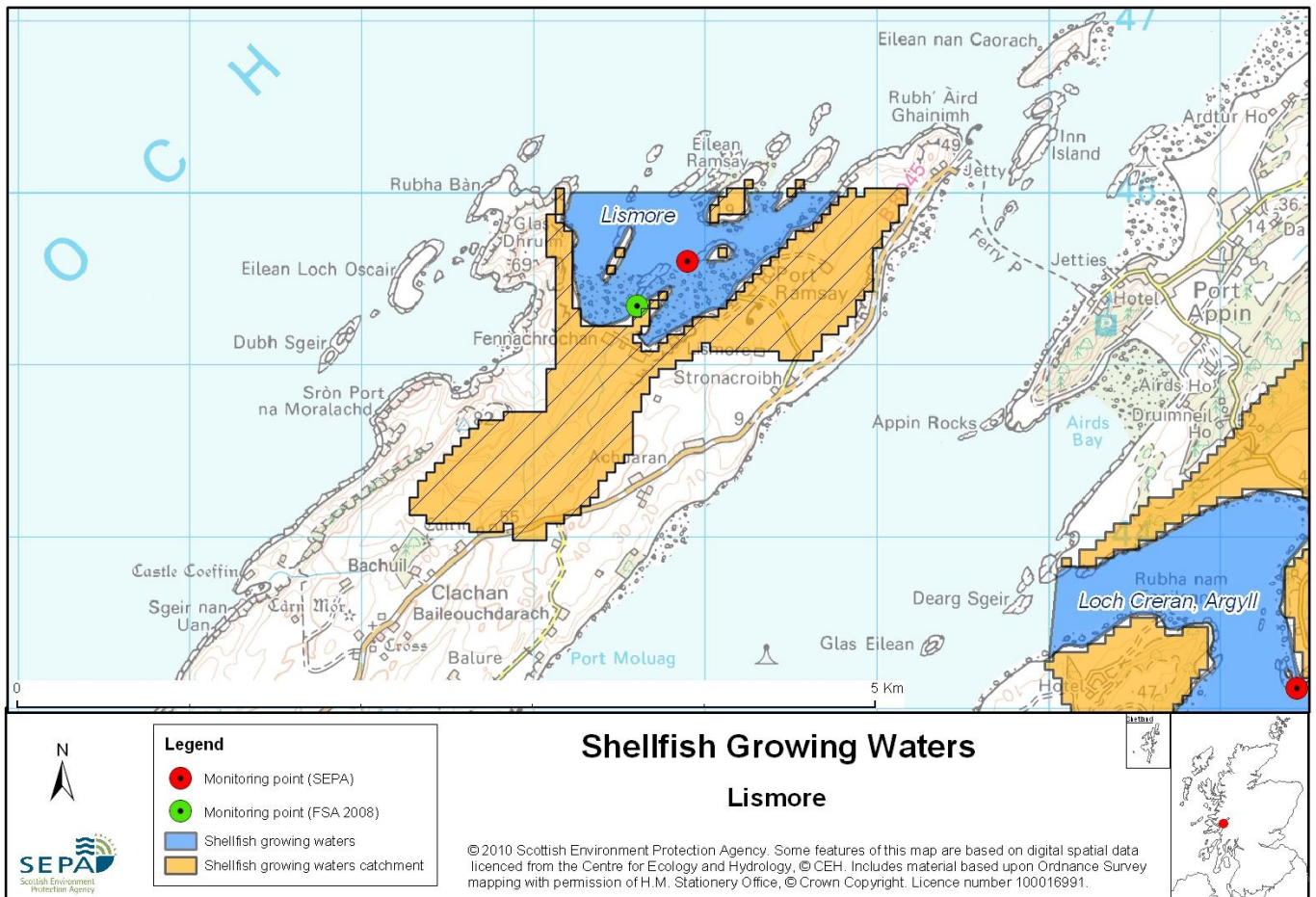


60 Lismore



Name	Lismore
Report Reference Number	60
WFD Code	UKS7992360
Local Information	An area south of a line between NM8722146000 and NM8878146000, and extending to MHWS.
Designated Area (km ²)	0.79
Year of Designation	2002
Sampling Points	Lismore North Mussel Site - NM 87900 45600
Commencement of Monitoring	2003

60.1 Commercial Shellfish Interests

Lismore Shellfish Water lies within an area in Loch Linnhe that is designated by the Food Standards Agency (FSA) as a Shellfish Harvesting Area, for the production of Pacific oysters (*Crassostrea gigas*).

Loch Linnhe (Pacific oysters)
2011 = B - April to September
A - October 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 however category B requires that shellfish must be depurated, heat-treated or re-laid prior to human consumption.

FSA have not carried out a sanitary survey for Loch Linnhe (including Lismore)

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

60.2 Bathymetric Information

The growing area is situated on the north west coast of Lismore on the waters of Loch Linnhe. It is fairly sheltered from the south west winds by the headland Glas Dhruim. The growing area is approximately 1.5km in length and has a maximum water depth of 9m. There are no morphological pressures on the waters.

60.3 Conservation Designations

Northeast of Lismore is the Sound of Shuna ([UKS7992397](#)) designated Shellfish Water. There is also a FSA designated Shellfish Harvesting Area East of Lismore.

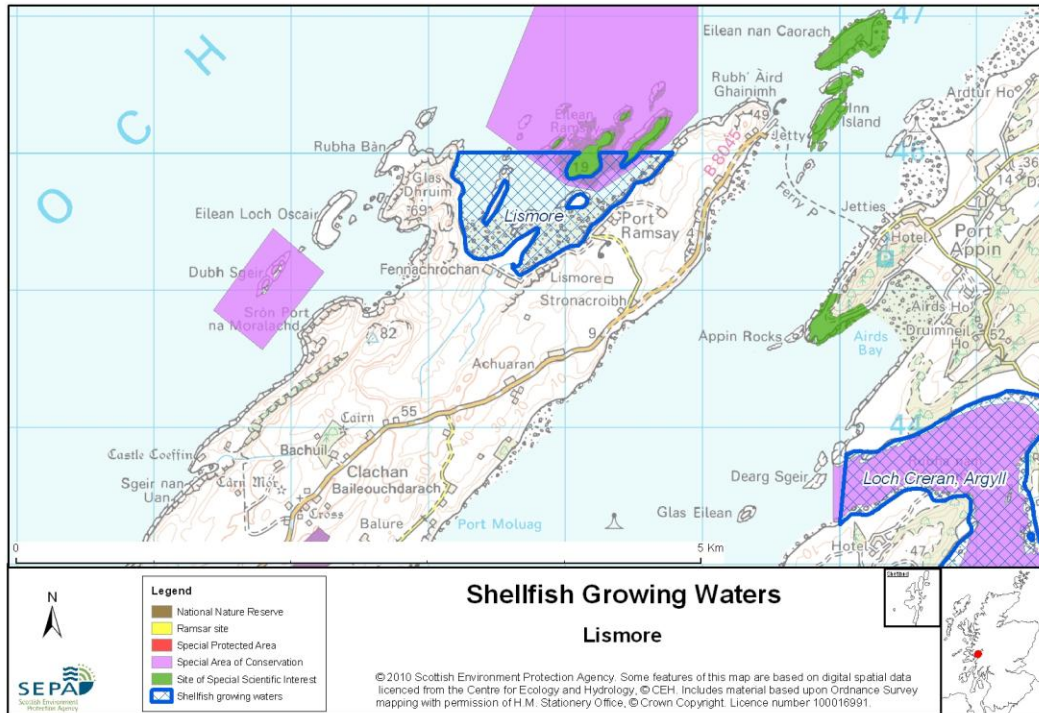
Special Area of Conservation (SAC) – [Eileanan agus Sgeiran Lios mor](#)

Designated 17/03/2005 for internationally important species - Common seal (*Phoca vitulina*)

This is also a **Water Dependent SAC**

Site of Special Scientific Interest (SSSI) – [Lynn of Lorn Small Islands](#)

Designated 30/12/1986



60.4 Topography and Land Use – Potential Diffuse Pollution Sources

The land around the designated area is mainly put to extensive sheep and cattle farming. There are smaller areas of semi-natural grassland, semi-natural woodland and heather moorland.

The bay receives one minor freshwater inflow from the catchment area. Port Ramsay is a very small community and the Island of Lismore itself is sparsely populated.

The most likely reason for guideline faecal coliform failures (see 60.7 Compliance History below) is diffuse source pollution from either Livestock farming and/or sewage disposal. If this shellfish water continues to fail it may be necessary to carry out bacterial source tracking studies to verify the origin of the diffuse pollution.

60.5 Point Source Discharge

There are no consented discharges from public sewage systems or industrial operations anywhere within at least 2km of the designated area.

There are two consented discharges from private septic tanks of individual households at Port Ramsay to the bay and to the unnamed watercourse that discharges into the bay. There are also discharges of sewage effluent from private treatment and commercial systems to the water environment, but out with the designated area, at Port Appin.

There are no fish farms within the designated area. There are two marine cage fish farms within 2kms of the designated area, with a combined consented biomass of 1180 tonnes.

60.6 Compliance Monitoring Regime

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

Year	Monitoring Regime
2005 -	<ul style="list-style-type: none">• Quarterly for Sal, DO, pH, temperature, visible oil• Every third year for metals and organohalogens in mussels, next collection scheduled for 2011• Quarterly for faecal coliforms in mussels

60.7 Compliance History

UKS7992360 - Lismore				
	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	Fail
2006	Pass	Pass	Pass	Fail
2007	Pass	Pass	Pass	Fail
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. In 2005 two out of four samples gave results above the Guideline standard. The waters failed to comply with the guideline standard again in 2006, 2007 and 2009. This shellfish water has only passed in 2008 and 2010.

60.8 Future Monitoring

The monitoring regime (60.6 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.

60.9 Improvement Actions

There are currently no improvement actions planned for this designated Shellfish Water. SEPA will investigate any environmental complaint that may have an impact on water quality and will ensure appropriate corrective or remedial action is implemented

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. This is due to past failures of the Guideline faecal coliform standards. Target objectives may be revised after the first River Basin Management Plan Cycle.

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

60.10 Summary of Actions

Action	Deadline
No specific further improvement actions identified other than general ongoing monitoring of area in accordance with SEPA's statutory obligations	N/A