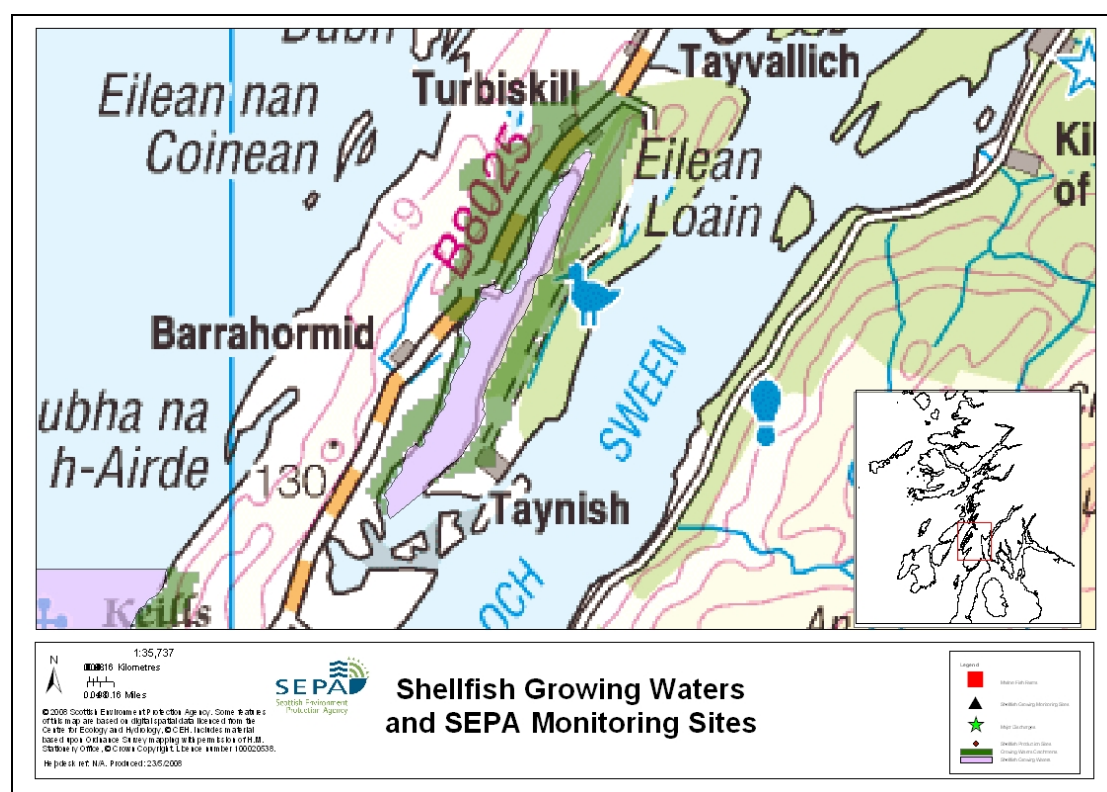


## 59 Linne Mhuirich



<b>Name</b>	Linne Mhuirich	
<b>Report Reference No.</b>	59	
<b>WFD Code</b>	UKS7992359	
<b>Location Information</b>	The shellfish designated water of Linne Mhuirich is a bay on the Taynish peninsula and inshore of a line drawn between NR 714 824 and NR 719 828.	
<b>Designated Area (Km<sup>2</sup>)</b>	1.2	
<b>Year of Designation</b>	2002	
<b>Sampling Points</b>	Linne Mhuirich	NR 72518 84657
<b>Commencement of Monitoring</b>	2003	

### 59.1 Commercial Shellfish Interests

There is no known commercial shellfish production within the designated water.

### 59.2 Bathymetric Information

Linne Mhuirich is a narrow arm of water linked to Loch Sween, running south west – north east, with a total length of approximately 4km. It is extremely sheltered and protected from tidal and wind driven influences. It has a maximum water depth of approximately 7m. There are no morphological pressures on the waters.

### 59.3 Conservation Designations

The following conservation sites are within the catchment area or within 2 km of the designated area:

Designation	Site	Reason
SSSI	West Tayvallich Peninsular	Geological
SSSI	Ulva, Danna and The McCormaig	Biological
SSSI	Tayvallich Juniper & Fen	Biological
SSSI	Taynish Woods	Biological
SSSI	Linne Mhuirich	Biological
SAC	Taynish and Knapdale	
SAC	Tayvallich Juniper and Coast	
NNR	Taynish	

For further information, follow the links below:

[http://gateway.snh.gov.uk/portal/page?\\_pageid=53,854555,53\\_854604&\\_dad=portal&\\_schema=PORTAL&PA\\_CODE=1612](http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=1612)

[http://gateway.snh.gov.uk/portal/page?\\_pageid=53,854555,53\\_854604&\\_dad=portal&\\_schema=PORTAL&PA\\_CODE=943](http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=943)

[http://gateway.snh.gov.uk/portal/page?\\_pageid=53,854555,53\\_854604&\\_dad=portal&\\_schema=PORTAL&PA\\_CODE=1522](http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=1522)

[http://gateway.snh.gov.uk/portal/page?\\_pageid=53,854555,53\\_854604&\\_dad=portal&\\_schema=PORTAL&PA\\_CODE=1581](http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=1581)

[http://gateway.snh.gov.uk/portal/page?\\_pageid=53,854555,53\\_854604&\\_dad=portal&\\_schema=PORTAL&PA\\_CODE=1524](http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=1524)

<http://www.jncc.gov.uk/ProtectedSites/SACselection/sac.asp?EUCode=UK0012682>

<http://www.jncc.gov.uk/ProtectedSites/SACselection/sac.asp?EUCode=UK0030287>

### 59.4 Topography And Land Use – Potential Diffuse Pollution Sources

The land around the designated area is of semi-natural woodland and rough moorland, with smaller areas of improved pasture. Agriculture in the area is limited to extensive sheep and cattle farming. The B8025 single track links the few houses in the vicinity of the shellfish waters.

There are three very minor freshwater inflows to Linne Mhuirich from a catchment area of approximately 5 square kilometres. None of these are monitored by SEPA, but are all considered to be of at least good quality.

### 59.5 Point Source Discharges

There are no consented discharges to the designated area from public sewage systems, industrial operations or private septic tanks. There are likely to be a very small number of unconsented discharges of either raw sewage or septic tank effluent from private houses around the designated area.

There are no fish farms within at least 2km of the designated area.

## 59.6 Compliance Monitoring Regime

Year	Monitoring Regime
2005-	<ul style="list-style-type: none"><li>Quarterly for Sal, DO, pH, temperature, visible oil</li><li>Every third year for metals and organohalogens in mussels, next collection scheduled for 2008</li><li>Quarterly for faecal coliforms in mussels</li></ul>

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

## 59.7 Compliance History

Year	Compliance History for Waters and Biota, Excluding Faecal Coliforms Data			Compliance History for Faecal Coliforms
	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

Of the six samples analysed for Faecal Coliforms in 2003 and 2004, four gave results above the Guideline standard. Two samples breached the Guideline standard for Faecal Coliforms in 2005. The shellfish waters failed to comply with the guideline standard again in 2006 and 2007.

One sample gave a low result for salinity in February 2005 of 0.36 ‰ which failed the Guideline standard of 12-38 ‰. This did not constitute a fail since it did not occur in >95% of the samples for 2005. There have been no further breaches in the standard.

## 59.8 Future Monitoring Recommendations

The monitoring regime as described in section 6 will be followed. In the event of any chemistry parameter failing to meet any EQS, the site will be revisited and re-sampled for the failed parameter.

## 59.9 Improvement Actions

There are currently no improvement actions planned for the area.

## 59.10 Summary of Actions

Action	Deadline
No improvement actions currently planned.	