

Cefas contract report C5668

# Annual report on the results of the *E. coli* Monitoring Programme for Scotland - 2015

Contract Reference: FSA 199



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**Food Standards Scotland *E. coli* programme  
management and analysis**

**Technical Report for January 1<sup>st</sup>  
to December 31<sup>st</sup> 2015**

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*Quality statement: This report is a compilation of the information included on the reports provided daily/weekly to FSS and showing the results of the E. coli analyses undertaken on samples submitted via the Official Control programme. All results were quality checked and approved prior to release to FSS and the results compiled in this report have been further checked against a copy of the original reports held on a central database. Information relating to the origin of the samples (place (including co-ordinates), date and time of collection) is as provided by contracted sampling staff and has not undergone verification checks by Cefas.*

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## Executive Summary

This report contains the *E. coli* results for bivalve molluscan shellfish from representative monitoring points (RMPs) tested on behalf of the Food Standards Scotland (FSS) for the period January 1<sup>st</sup> to December 31<sup>st</sup> 2015. All analyses were carried out using the EU stipulated reference method for the enumeration of *E. coli* in live bivalve molluscs - ISO TS 16649-3 Microbiology of food and animal feed: – Microbiology of food and animal feeding stuffs – Enumeration of  $\beta$ -glucuronidase positive *Escherichia coli* – part 3: Most Probable Number technique using 5-bromo-4-chloro-3-indolyl- $\beta$ -D-glucuronide acid (Anon 2005a). Results were expressed as *E. coli* Most Probable Number (MPN) per 100g bivalve flesh and intravalvular fluid. All methods of analysis used are accredited by the United Kingdom Accreditation Service (UKAS) to ISO/IEC 17025 (Anon 2005b).

Bivalve shellfish collected from Shetland were analysed at Shetland Seafood Quality Control (SSQC), Scalloway, under a sub-contracting agreement with Centre for Environment, Fisheries and Aquaculture Science (Cefas). All other samples from 12 local authority areas were tested at the Cefas Shellfish Microbiology Laboratory, Weymouth. The largest numbers of samples were received from the Shetlands (632), followed by Argyll and Bute (631) Comhairle nan Eilean Siar (CnES): Lewis and Harris (220), CnES Uist and Barra (185) Highland Council (HC) Lochaber (144), Dumfries and Galloway (108), HC Sutherland (85), HC Ross and Cromarty (65), HC Skye and Lochalsh (54) South Ayrshire (46), North Ayrshire (39), with the lowest number during this period from Fife (27), and East Lothian (24). No samples were submitted from the Orkney Islands or Caithness.

Of the 2260 samples which were submitted to the two laboratories (SSQC  $n=632$ ; Cefas  $n=1,628$ ) for *E. coli* testing 2.97% ( $n=67$ ) were rejected on arrival at the laboratory. Sample rejection was due to exceedances of time and/or temperature criteria. One sample (0.05%) returned an improbable MPN combination, this was within the acceptable limits <1% identified in the UK NRL SOP. Of the 2192 samples generating valid results, the breakdown of sample species in descending order was common mussels (*Mytilus edulis*) 49.9%, Pacific oysters (*Crassostrea gigas*) 18.5%, razor clams (*Ensis* spp.) 12.7%, common cockles (*Cerastoderma edule*) 12.6%, queen scallops (*Aequipecten opercularis*) 1.6%, king scallops (*Pecten maximus*) 1.3%, carpet clams (*Tapes decussatus*) 1.0%, native oysters (*Ostrea edulis*) 1.0%, surf clams (*Spisula* spp) 0.6%, rayed artemis (*Dosinia exoleta*) 0.5%, wedge clams (*Donax* spp) 0.2%, and sand gapers (*Mya arenaria*) 0.1%.

The majority of *E. coli* MPN/100g results (93.03%) fell within the expected classification status ascribed to the area i.e. Class A, B or C, [see main body text for classification status definitions] detailed in the Shellfish Harvesting Classifications Scotland: <http://www.foodstandards.gov.scot/shellfish-classification-document-2015-16>. 154 samples returned “outwith” results, i.e. *E. coli* MPN/100g greater than the permitted upper maximum for the classification status of the area. All outwith results were reported to the FSS immediately in accordance with the agreed Laboratory Reporting Procedures. All other results were reported according to a predetermined weekly schedule. Real time results of testing for all RMPs by species, including datasets for the last 5 years, where available, are accessible through the Cefas website: <https://www.cefas.co.uk/cefas-data-hub/food-safety/classification-and-microbiological-monitoring/scotland-classification-and-monitoring/shellfish-monitoring-results/>

No significant technical or logistical problems were identified during this reporting period.

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## 1 Introduction

Bivalve molluscan shellfish (known hereafter as shellfish) can through the natural process of filter feeding accumulate faecal borne pathogens (e.g. noroviruses, hepatitis A virus) which may lead to illnesses in the consumer.

In accordance with EU law, shellfish harvesting areas are classified by the Food Standards Scotland (FSS) according to the level of faecal contamination that they are exposed to. This is achieved by monitoring of *Escherichia coli* in shellfish flesh and intravalvular fluid (FIL). In this context *E. coli* is used as an indicator of sewage contamination. Subsequent treatment processes (e.g. depuration, heat treatment) are prescribed according to the classification status of the area. The classification categories are set out in Table 1.

**Table 1. Criteria for the classification of bivalve shellfish harvesting areas**

Classification category	Microbiological standard <sup>1</sup>	Post-harvest treatment required
Class A	≤ 230 <i>E. coli</i> MPN/100g of flesh and FIL <sup>2</sup>	None - shellfish can be harvested for direct human consumption.
Class B	90% of samples must be ≤ 4,600 <i>E. coli</i> MPN/100g; all samples must be less than 46,000 <i>E. coli</i> MPN/100g <sup>3</sup> .	Shellfish can be sold for human consumption:  -after purification in an approved plant, or  -after re-laying in an approved Class A re-laying area, or  -after an EU-approved heat treatment process.
Class C	≤ 46,000 <i>E. coli</i> MPN/100g <sup>4</sup>	Shellfish can be sold for human consumption only after re-laying for at least two months in an approved re-laying area followed, where necessary, by treatment in a purification centre, or after an EU-approved heat treatment process.
Prohibited	>46,000 <i>E. coli</i> MPN/100g <sup>5</sup>	Harvesting not permitted

This lays down policy for the monitoring and classification of shellfish harvesting areas in Scotland. The FSS protocol for classification and management document can be

<sup>1</sup> The reference method stipulated in Regulation is ISO 16649-3

<sup>2</sup> By cross reference from Regulation (EC) No 854/2004, via Regulation (EC) No 853/2004, to Regulation (EC) No 2073/2005

<sup>3</sup> From Regulation (EC) No 1021/2008

<sup>4</sup> From Regulation (EC) No 854/2004

<sup>5</sup> This level is not specified in the Regulation, but does not comply with classes A, B or C. The Competent Authority is able to prohibit any production and harvest of shellfish on the ground of health risk (EURL 2010)

Cefas is contracted by the FSS to deliver microbiological monitoring results (*E. coli* MPN/100g flesh and FIL) for all Scottish shellfish production areas. In practice, local sampling officers are responsible for sampling shellfish according to the schedule agreed with the FSS and send them under controlled time and temperature specifications (Appendix I) to Cefas, Weymouth or for the Shetland and Orkney Islands to the Shetland Seafood Quality Control (SSQC), NAFC Marine Centre, Shetland. Cefas collate all results and forward to FSS weekly, or in real time in the event of results exceeding the upper maximum for the prescribed classification category (described as 'outwith' results) according to agreed laboratory reporting procedures (Appendix II).

All data are generated under the Scottish shellfish harvesting classification programme for the last 5 years are available on the Cefas website: <https://www.cefasc.co.uk/cefasc-data-hub/food-safety/classification-and-microbiological-monitoring/scotland-classification-and-monitoring/shellfish-monitoring-results/>

This report presents summary data for the microbiological monitoring for Scotland generated between January 1<sup>st</sup> and December 31<sup>st</sup> 2015.

## **2 Methodology**

The EU reference method for enumeration of *E. coli* in shellfish is ISO TS 16649-3 (ISO 2005), initial preparation of shellfish samples are described in ISO 6887-3 (ISO 2003) and derivation MPN results requires the use of ISO 7218 (ISO 2007). The entire method is published as the UK NRL SOP downloadable at: <https://www.cefasc.co.uk/nrl/methods/>

This procedure is transcribed in Cefas SOPs 1172, 1175 and SSQC SOP BM018. Both Cefas and SSQC laboratories hold method specific accreditation to ISO/IEC 17025 under UKAS testing scope certification No. 2273 and 2651 respectively.

### **2.1 Receipt and analysis of shellfish**

A total of 2260 samples were submitted between January 1<sup>st</sup> and December 31<sup>st</sup> 2015 for *E. coli* analysis (SSQC *n*= 632; Cefas *n*=1,628). 3% (*n*=67) were rejected on arrival at the laboratory. Sample rejection was due to exceedances of time and/or temperature criteria. Reasons for rejection were: that time between sample collection and arrival at the laboratory exceeded 48 hours and/or sample receipting temperature at the laboratory exceeded 10°C. One sample returned an improbable MPN combination, this was within the acceptable limits <1% identified in the UK NRL SOP. A total of 2,192 valid results were generated between January 1<sup>st</sup> and December 31<sup>st</sup> 2015.

**Table 2. Numbers of samples received and results reported between January 1<sup>st</sup> and December 31<sup>st</sup> 2015**

Local Authority area	No. of samples received	No. of samples tested	No. of valid results reported (% in parentheses)
Argyll and Bute <sup>1</sup>	631	612 <sup>a</sup>	611 <sup>b</sup> (96.9)
Comhairle nan Eilean Siar: Lewis and Harris	220	219 <sup>a</sup>	219 <sup>a</sup> (99.5)
Comhairle nan Eilean Siar: Uist and Barra	185	165 <sup>a</sup>	165 <sup>a</sup> (89.2)
Dumfries and Galloway	108	100 <sup>a</sup>	100 <sup>a</sup> (92.6)
East Lothian	24	24	24 (100)
Fife	27	26 <sup>a</sup>	26 <sup>a</sup> (96.3)
Highland Council: Lochaber	144	141 <sup>a</sup>	141 <sup>a</sup> (97.9)
Highland Council: Ross and Cromarty	65	63 <sup>a</sup>	63 <sup>a</sup> (96.9)
Highland Council: Skye and Lochalsh	54	53 <sup>a</sup>	53 <sup>a</sup> (98.1)
Highland Council: Sutherland	85	85 <sup>a</sup>	85 (100)
North Ayrshire <sup>1</sup>	39	36 <sup>a</sup>	36 <sup>a</sup> (100)
Shetland Islands	632	632	632 (100)
South Ayrshire	46	37	37 (92.3)
<b>Total</b>	<b>2260</b>	<b>2193</b>	<b>2192</b>

<sup>a</sup>, Exceeded 48 hours from sample collection to receipt at the laboratory and or receipting temperature > 10°C, <sup>b</sup> void MPN

1: Samples collected from Machrie Bay (n=9) are counted under North Ayrshire council in this report

## 2.2 Reporting of results

All results were reported according to the agreed laboratory reporting procedures detailed in Appendix II. Results from the programme are available online via the Cefas website:

<https://www.cefas.co.uk/cefas-data-hub/food-safety/classification-and-microbiological-monitoring/scotland-classification-and-monitoring/shellfish-monitoring-results/>

### Results of the *E. coli* monitoring programme

The following section gives all of the shellfish sampling locations and results by local authority area and Representative Monitoring Point (RMP) for the period 1<sup>st</sup> January 2015 to 31<sup>st</sup> December 2015. Site locations and corresponding maps are correct as of 31<sup>st</sup> December 2015, in accordance with the FSS RMP classification list:

<http://www.foodstandards.gov.scot/food-safety-standards/advice-business-and-industry/shellfish>

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### Key to results summary

Classification	
	A
	B
	C
	outwith
	New application/no classification
	no result



Representative monitoring point (RMP)

### 3.1 ARGYLL & BUTE COUNCIL

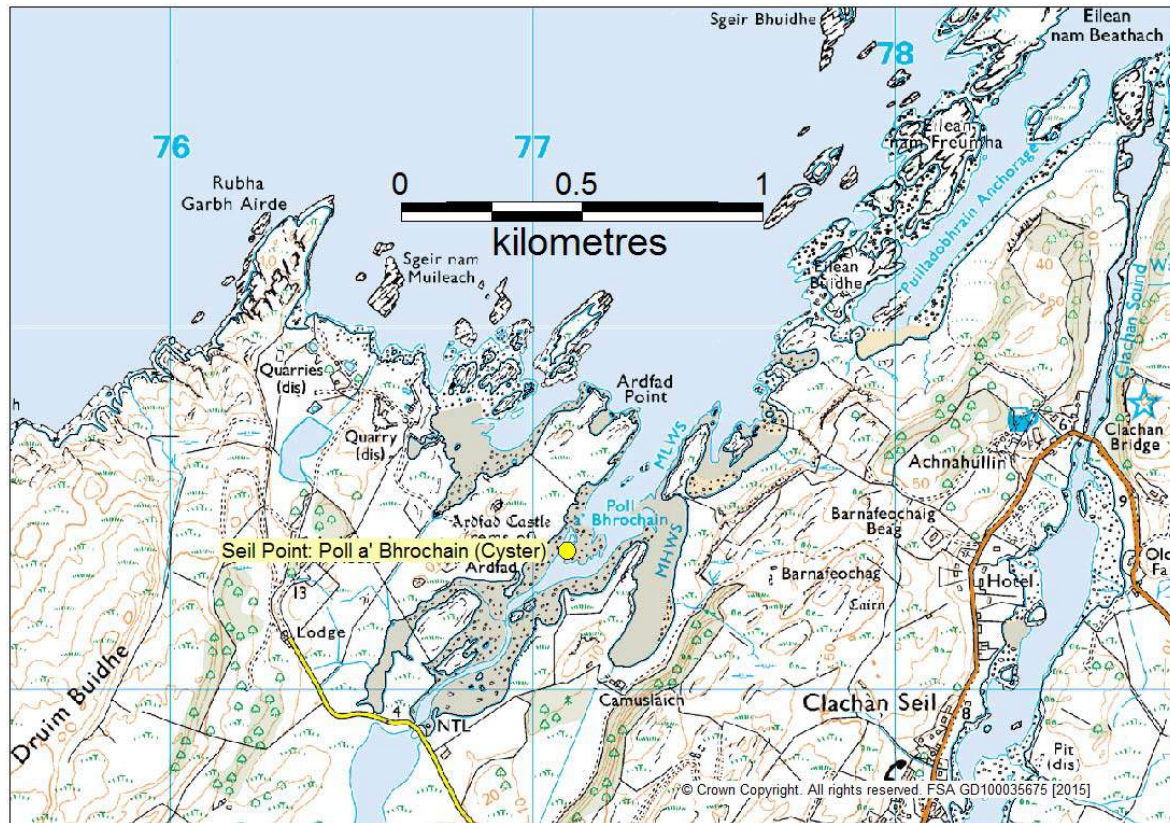
#### 3.1.1 Ulva and Loch Keal



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Na Keal West	Eilean Casach	AB 286 082 13	Pacific oysters	NM4584 3891	A
Argyll and Bute Council	Ulva: Loch Tuath Soriby Bay	Loch Tuath Soriby Bay	AB 285 081 13	Pacific oysters	NM42944022	A
Argyll and Bute Council	Loch Na Keal	Eilean Liath	AB 284 080 13	Pacific oysters	NM47423929	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Eilean Casach	<18	<18	<18	<18	<18	<18	45	20	170	<18	45	
Loch Tuath Soriby Bay			20	20	110	68	<18	1100	490	20		
Eilean Liath	<18	<18	<18	<18	<18	<18	<18	490	<18	130	45	

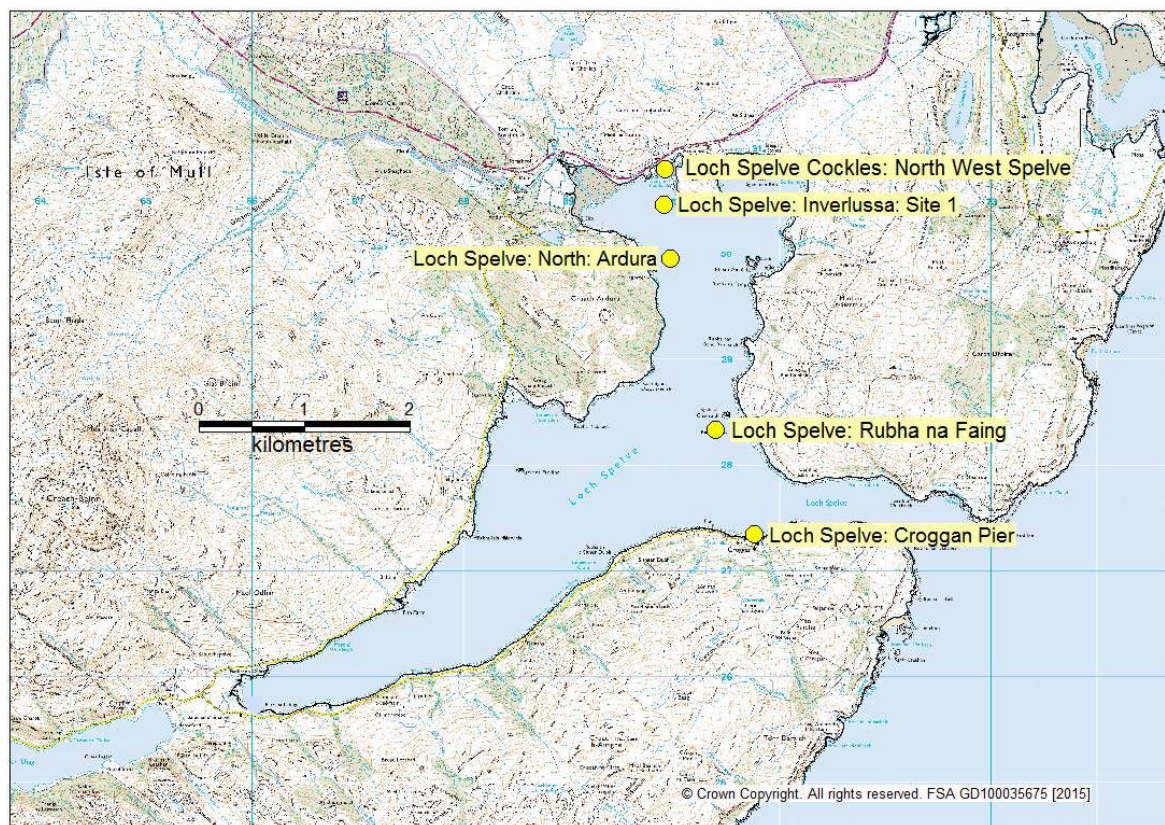
### 3.1.2 Seil Point



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Seil Point	Poll a' Bhrochain (Cyster)	AB 245 070 13	Pacific oysters	NM77091938	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Poll a' Brochain (Cyster)	790	1300	78	490	1700	130	490	270	1100	20	460	45

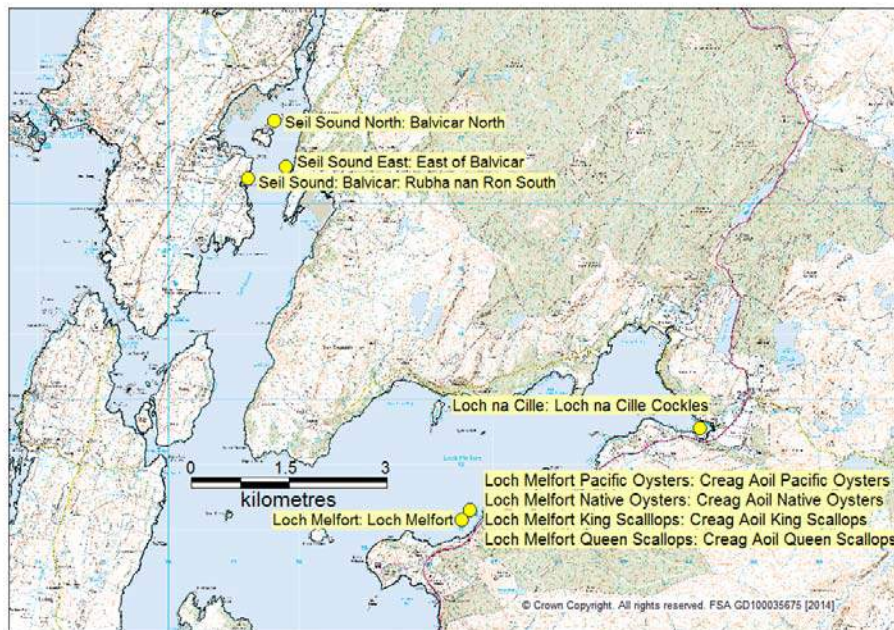
### 3.1.3 Loch Spelve



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Spelve: Inverlussa	Site 1	AB 200 057 08	Common mussels	NM69893046	A
Argyll and Bute Council	Loch Spelve: Rubha na Faing	Rubha na Faing	AB 202 059 08	Common mussels	NM70402833	A
Argyll and Bute Council	Loch Spelve: Croggan Pier	Croggan Pier	AB 199 055 13	Pacific oysters	NM70752733	A/B
Argyll and Bute Council	Loch Spelve North: Ardura	Ardura	AB 200 1915 08	Common Mussels	NM69952995	A
Argyll and Bute Council	Loch Spelve Cockles	North West Spelve	AB 767 1963 04	Common Cockles	NM69823076	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	Jan	Feb	Mar	April	May	June	July	Aug	Sept		Oct	Nov	Dec
Site 1	<18	<18	20	<18									
Rubha na Faing	45	<18	<18	<18									
Croggan Pier	330	<18	20	<18	110	110	1300	790	45		<18	78	130
Ardura					20	<18	68	78	<18		330	45	<18
	July		Aug				Sept				Oct	Nov	Dec
North West Spelve	490	20	5400	1400	40	1100	490	110	45	130	20	78	20

### 3.1.4 Seil Sound – Loch Melfort



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Melfort	Loch Melfort	AB 178 051 08	Common mussels	NM80611112	A
			AB-671-1448-13	Pacific oysters	NM80531095	A
			AB-672-1449-12	Native oysters	NM80531095	B
			AB-673-1450-07	King scallops	NM80531095	A
			AB-674-1451-15	Queen scallops	NM80611112	A
Argyll and Bute Council	Seil Sound East	East of Balvicar	AB 247 703 08	Common mussels	NM77781661	A
Argyll and Bute Council	Seil Sound North	Balvicar North	AB 247 735 13	Pacific oysters	NM77601726	A/B
Argyll and Bute Council	Seil Sound: Balvicar	Rubha nan Ron South	AB 247 728 13	Pacific oysters	NM77261643	A/B/C
Argyll and Bute Council	Loch na Cille	Loch na Cille Cockles	AB 617 1204 04	Common cockles	NM84231259	B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Melfort - mussels	<18	<18	<18	<18	<18	<18	<18	78	20	<18	<18	<18
Loch Melfort – Pacific oysters	45	<18										
Loch Melfort – Native oysters												
Loch Melfort – King scallops	20	<18										
Loch Melfort – Queen scallops	<18	<18		<18	<18	<18	<18	130	<18	<18	<18	<18
East of Balvicar	130	20	<18	<18	330	20	790	20	<18	45	<18	68
Balvicar North	68	68	<18	230	93	<18	330	45	170	130	20	78
Rubha nan Ron South	45	790	1700	330	1300	68	330	490	130	230	1300	68
Loch na Cille Cockles	<18	940	78	230	170	16000	5400	1300	1300	490	230	270

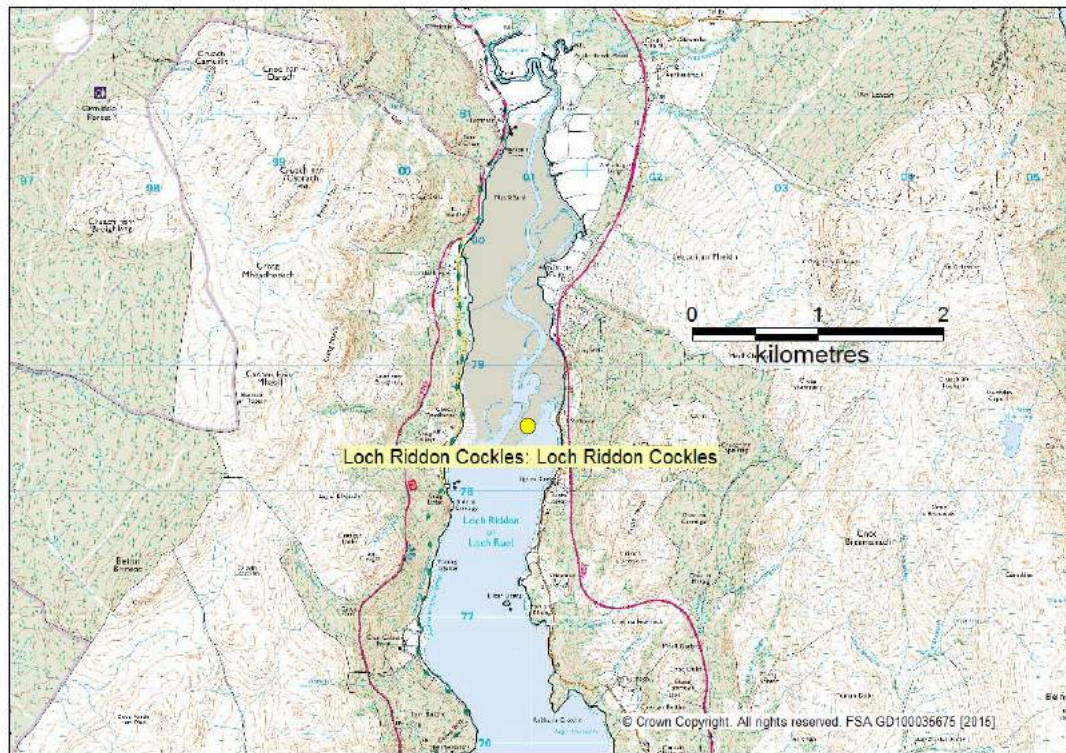
### 3.1.5 Loch Scridain



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Scridain East	Loch Scridain	AB 314 054 08	Common mussels	NM45972489	A
Argyll and Bute Council	Loch Scridain East	Aird Fada	AB 663-1439-13 AB 665-1441-07 AB 666-1442-15	Pacific oysters King scallops Queen scallop	NM4595724892	A
Argyll and Bute Council	Kilfinichen Bay	Kilfinichen Bay	AB-695-1507-04	Common cockles	NM48802845 to NM48802825	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec
Loch Scridain	20	<18										
Aird Fada oysters	<18	20										
Aird Fada king scallops	<18	18										
Aird Fada queen scallops	<18											
Kilfinichen Bay	45	20	45	20	330	1400	790	1700	3500	230	220	<18

### 3.1.6 Loch Riddon

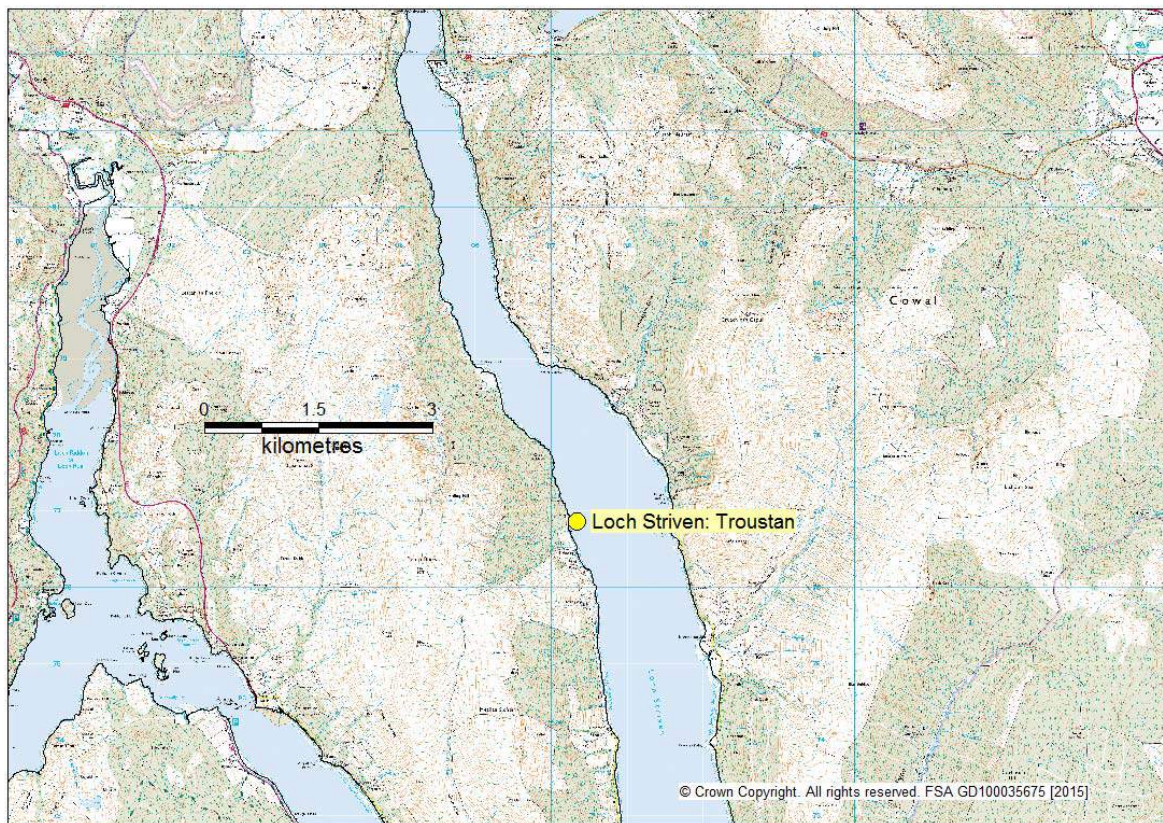


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Riddon	Loch Riddon cockles	AB-656-1409-04	Common cockles	NS01157880	B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month													
	Jan	Feb	Mar	Apr	May	Jun	July		Aug		Sept	Oct	Nov	Dec
Loch Riddon cockles	45	45	130	78	2400	5400	>18000	11000*	>18000	54000*	1100	490	1300	230

\* Resamples

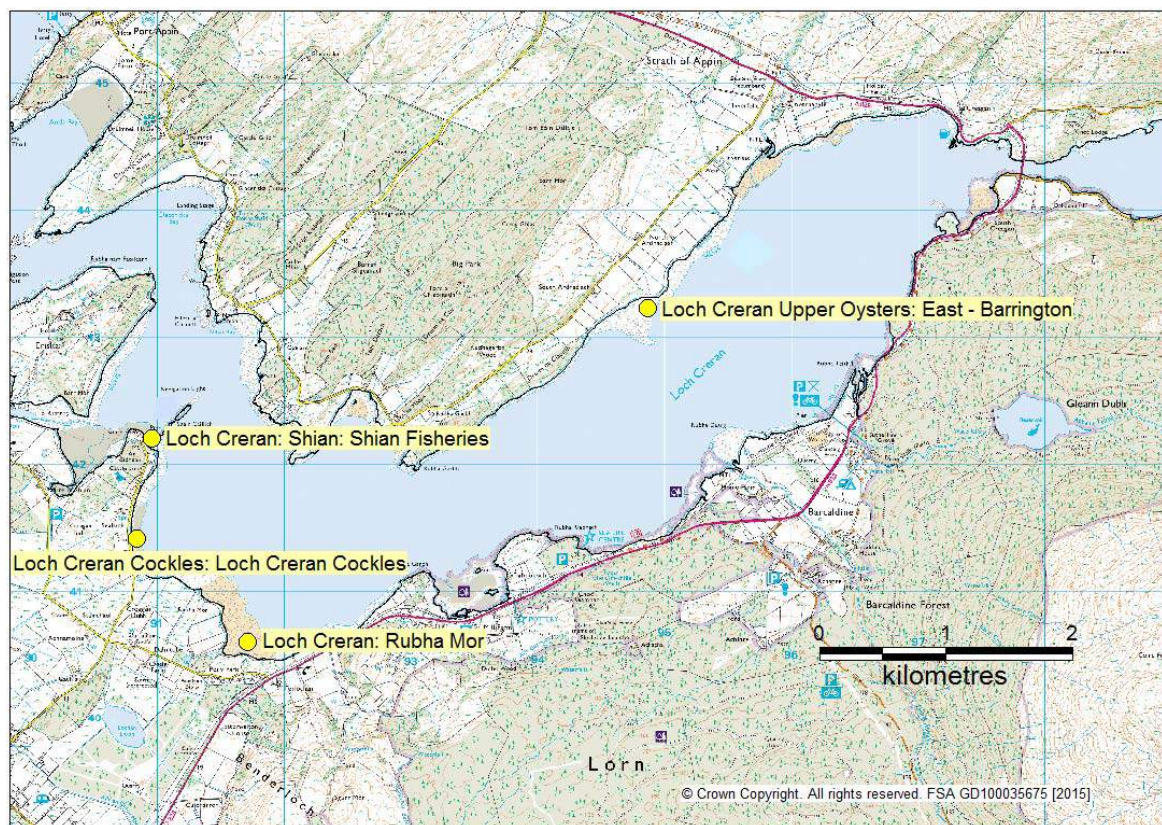
### 3.1.7 Loch Striven



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Striven	Troustan	AB 205 603 08	Common Mussels	NS07337689	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Striven	170	20	45	<18	<18	45	490	330	20	<18	170	700

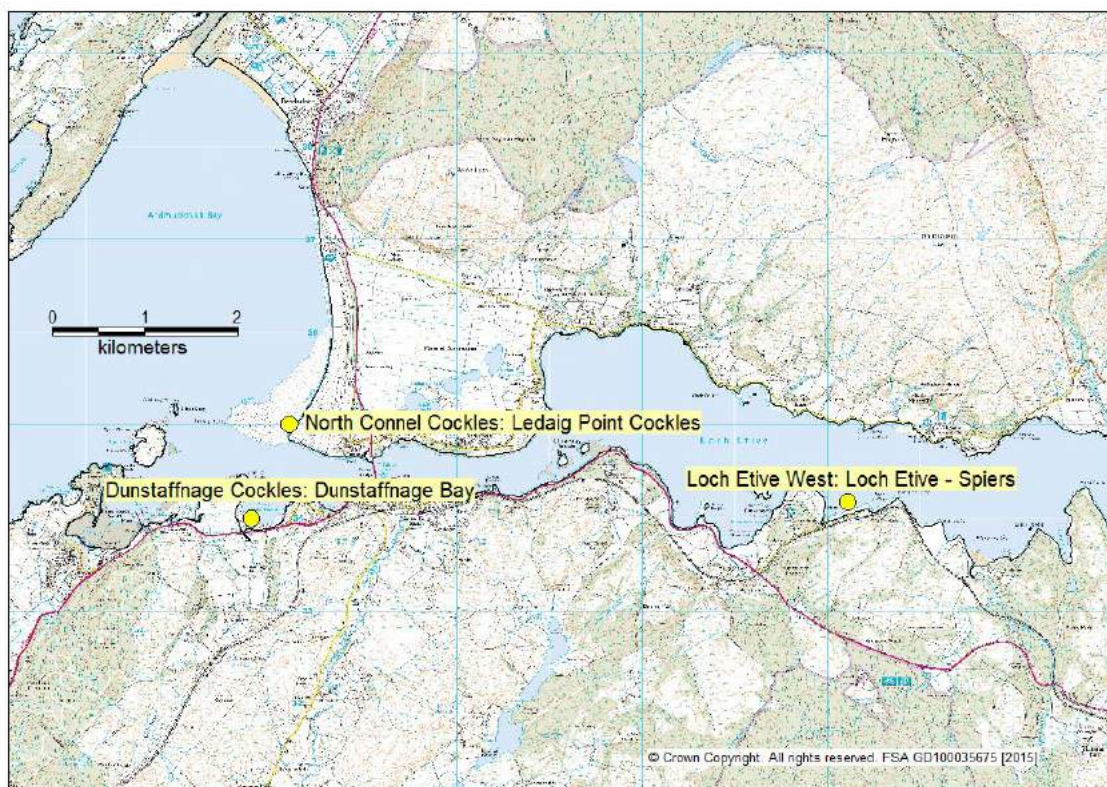
### 3.1.8 Loch Creran



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Creran: Shian	Shian Fisheries	AB 131 023 13	Pacific oysters	NM90944221	A/B
Argyll and Bute Council	Loch Creran: Upper	East - Barrington	AB 129 021 13	Pacific oysters	NM94854322	A/B
Argyll and Bute Council	Loch Creran: Rubha Mor	Rubha Mor	AB 130 023 13	Pacific oysters	NM91714065	A/B
Argyll and Bute Council	Loch Creran: cockles	Loch Creran: cockles	AB 7291685 04	Cockles	NM93504105	B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Shian Fisheries	45	45	18	78	330	130	2400	330	790	490	130	230
East - Barrington	130	18	20	490	78	790	490	16000	130	130	330	78
Rubha Mor	45	<18	68	110	230	220	140	170	20	20	130	230
Loch Creran Cockles	<18	<18	230	700	490	5400	490	16000	45	130	170	220

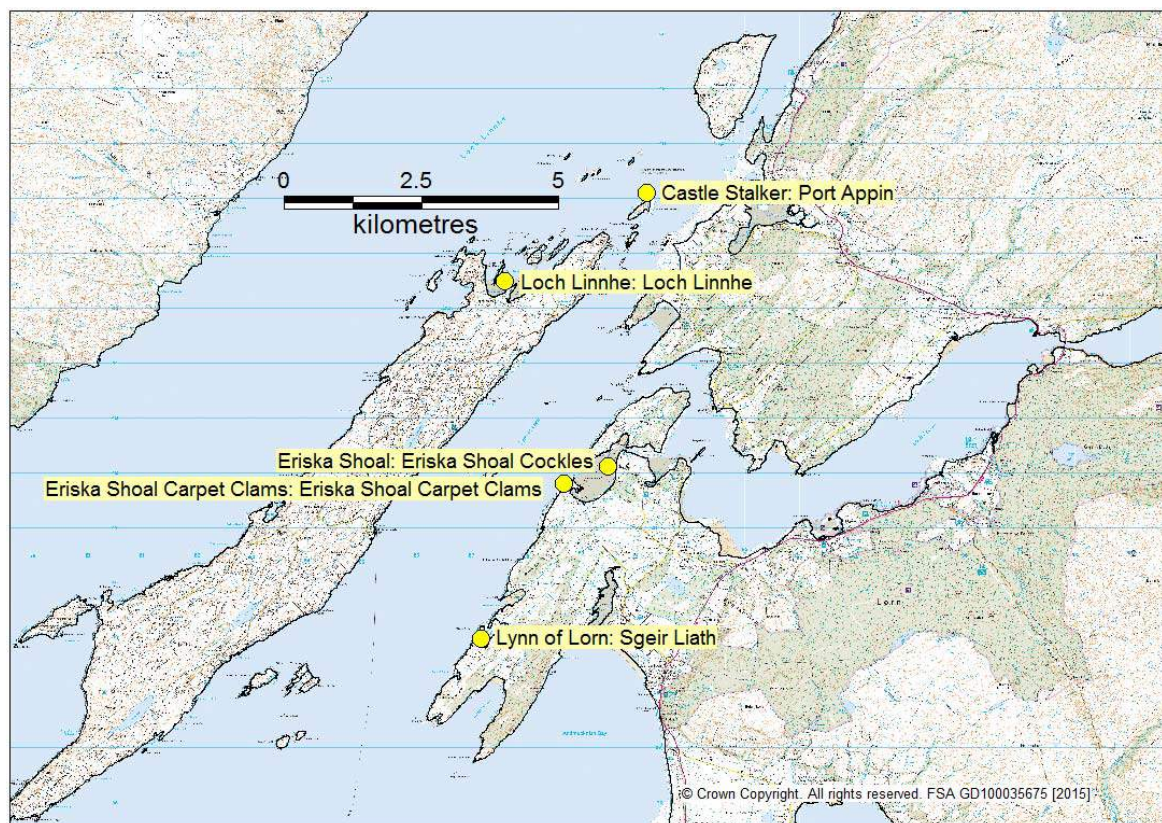
### 3.1.9 Loch Etive



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Etive West	Loch Etive - Speirs	AB316 030 08	Common mussels	NM96223417	A/B
Argyll and Bute Council	Dunstaffnage Cocks	Dunstaffnage Bay	AB 696 1511 04	Common cockles	NM88133382	B
Argyll and Bute Council	North Connel Cocks	Ledaig Point Cocks	AB 758 1909 04	Common cockles	NM 91003460	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Etive - Speirs	45											
Dunstaffnage Bay	230	210	490	170	2400	5400	790	3500	1300	230	230	45
Ledaig Point Cocks	April			May				June			July	Aug
	230	78	3500	78	1100	490	490	330	330	460	490	1300
	Sept	Oct	Nov	Dec								
	330	2400	460	700								

### 3.1.10 Loch Linnhe and Lynn of Lorn



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Lynn of Lorn: Sgeir Liath	Sgeir Liath	AB 318 068 13	Pacific oysters	NM87163889	A/B
Argyll and Bute Council	Loch Linnhe	Loch Linnhe	AB 172 047 13	Pacific oysters	NM87614548	A/B
Argyll and Bute Council	Eriska Shoal	Eriska Shoal Cockles	AB 490 907 04	Common cockles	NM89474213	A/B
Argyll and Bute Council	Eriska Shoal	Eriska Shoal Carpet Clams	AB 5471006 02	Carpet clams	NM88774188	B
Argyll and Bute Council	Castle Stalker	Port Appin	AB 492 909 04	Common cockles	NM90194710	B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Sgeir Liath	110	45	78	<18	45	<18	20	68	45	78	78	78
Loch Linnhe	45	20	<18	<18	45	78	140	110	330	45	110	
Eriska Shoal Cockles	18	<18	20	330	3500	330	330	490	20	45	40	330
Eriska Shoal Carpet Clams		170	<18	20	<18	700	330	<18	40	20	20	230
Port Appin	45	68	130	330	490	2400	330	790	130	460		68

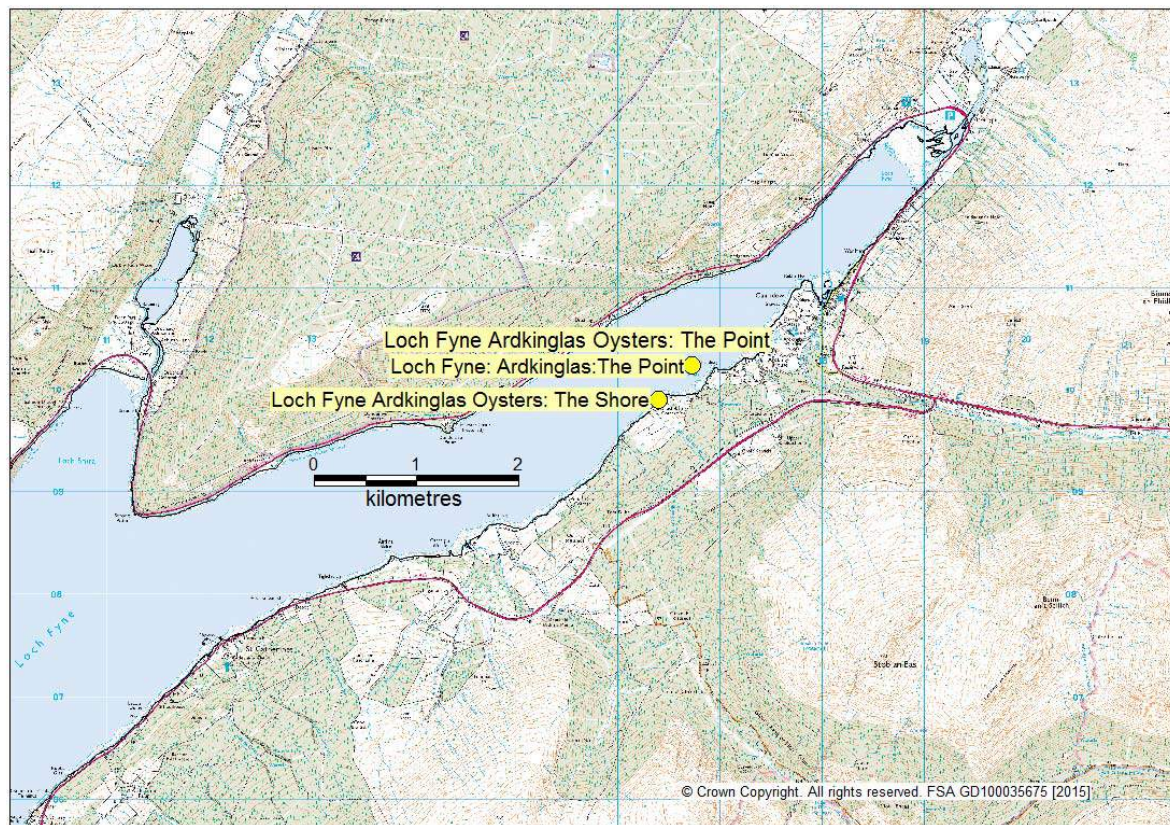
### 3.1.11 Loch A Chumhainn



Local Authority	Production Area	Site Name	Site Number	SIN	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch A Chumhainn: Inner Deep Site	Inner Deep Site	AB 112 017 13		Pacific oysters	NM40935336	A/B
Argyll and Bute Council	Loch A Chumhainn: Outer	Outer	AB 113 018 13		Pacific oysters	NM40705450	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Inner Deep Site	68	490	170	170	1300	330		78	700	20	110	<18
Outer	<18	<18	790	<18	130	93	<18	78	20	20	<18	<18

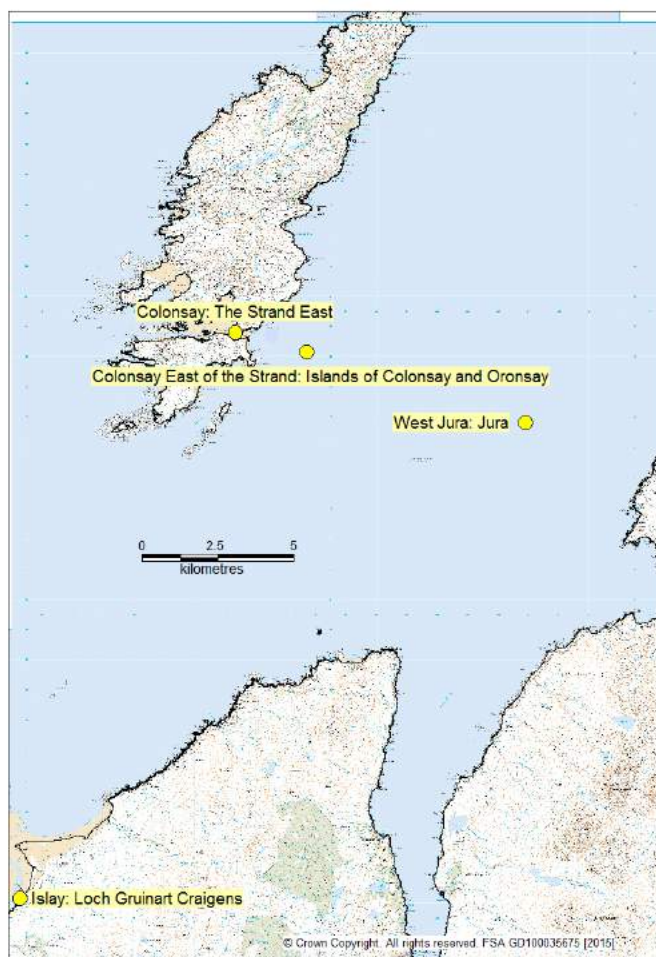
### 3.1.12 Loch Fyne Upper



Local Authority	Production Area	Site Name	Site Number	SIN	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Fyne: Ardkinglas Oysters	The Point	AB 147 036 13		Pacific Oyster	NN17141410532	A/B
Argyll and Bute Council	Loch Fyne: Ardkinglas	The Point	AB 147 305 08		Common Mussels	NN16731024	A/B
Argyll and Bute Council	Loch Fyne: Ardkinglas Oysters	The Shore	AB 147 036 13		Pacific Oysters	NN16350988	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ardkinglas Oysters The Point	20	78	20	790	230	3500						
Ardkinglas The Point	330	<18	45	<18	40	230	68	490	220	45	9200	330
Ardkinglas Oysters The Shore							2400	78	2400	1300	460	230

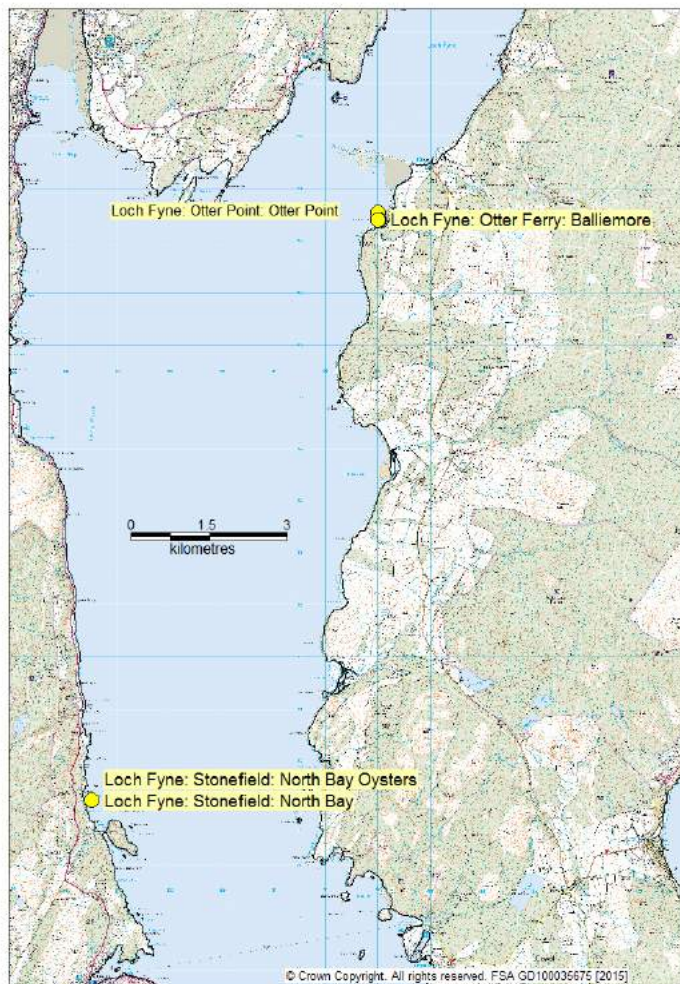
### 3.1.13 Colonsay, Jura and Islay



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Colonsay	The Strand East	AB 041 1199 13	Pacific oysters	NR37318 979	A
Argyll and Bute Council	Islay	Loch Gruinart Craigens	AB 094 011 13	Pacific oysters	NR3027271144	A/B
Argyll and Bute Council	West Jura	Jura	AB 482 805 16	Razors	NR47008700	A
Argyll and Bute Council	Colonsay; East of The Strand	Islands of Colonsay and Oronsay	AB422 826 16	Razors	NR39050590709	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
The Strand East	1300	45	20	<18	45	<18	<18	330	<18	68	<18	
Loch Gruinart Craigens	45	<18	45	20	45	18	700	5400	790	45	330	
Jura	<18	<18	<18	18	<18	<18	330	<18	18	<18		
Island of Colonsay and Oronsay									<18			

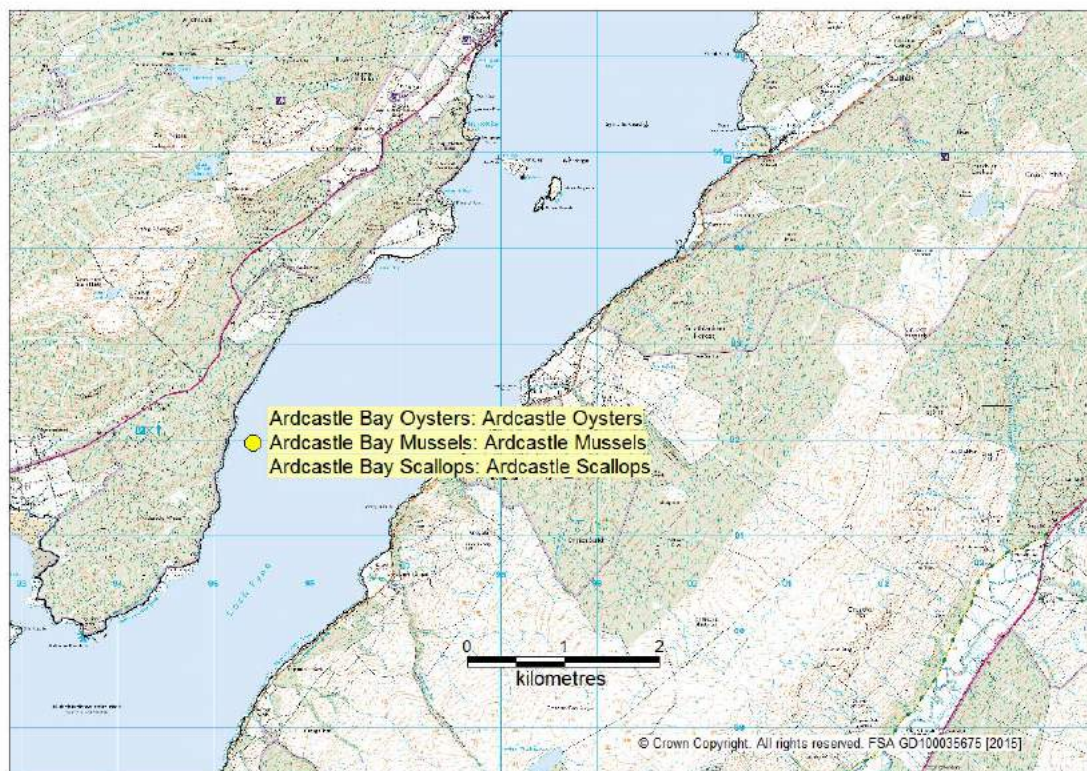
### 3.1.14 Loch Fyne Lower



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Fyne: Otter Point	Otter Point	AB 714 1659 04	Common Cockles	NR92408420	B
Argyll and Bute Council	Loch Fyne: Otter Ferry	Balliemore	AB 151 039 13	Pacific Oysters	NR91998340	A/B
Argyll and Bute Council	Loch Fyne: Stonefield Oysters	North Bay Oysters	AB 435 840 13	Pacific Oysters	NR86487225	A/B
Argyll and Bute Council	Loch Fyne: Stonefield	North Bay	AB 154 043 15	Queen Scallops	NR86487225	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Otter Point	170	<18	45	110	230	130	1300	1300	20	230	170	230
Balliemore	230	20	110	<18	78	170	330	790	78	130	490	20
North Bay Oysters	45	<18	20	<18	<18	20	20		20	<18	68	
North Bay	110	45	78	<18	20	45	<18		78	18	78	

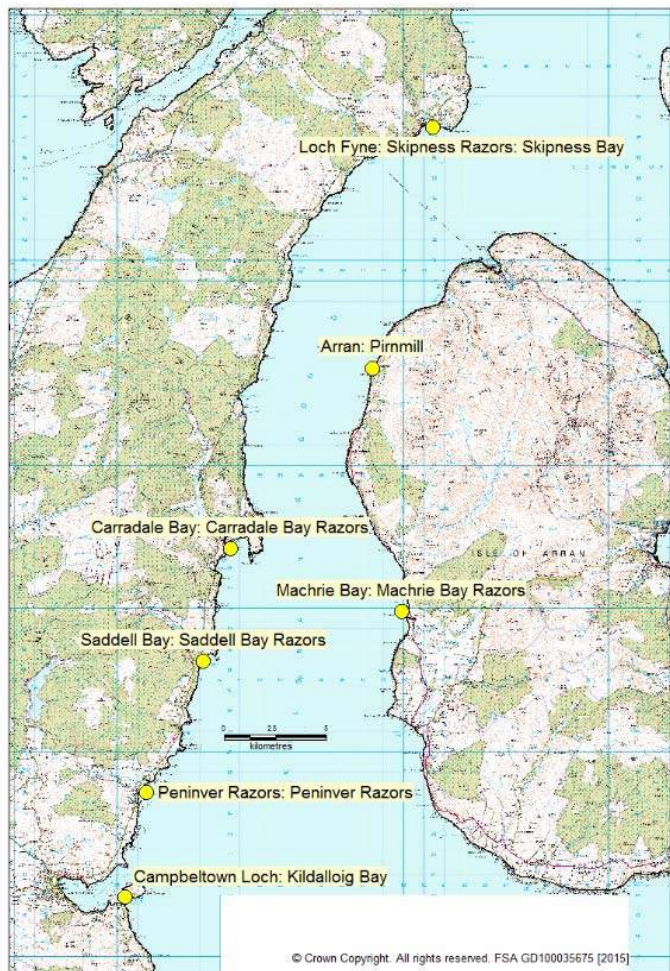
### 3.1.15 Loch Fyne Central



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Ardcastle Bay	Ardcastle Oysters	AB-634-1280-13	Pacific oysters	NR95409197	A/B
Argyll and Bute Council	Ardcastle Bay	Ardcastle Mussels	AB-635-1281-08	Common mussels	NR95409197	A/B
Argyll and Bute Council	Ardcastle Bay	Ardcastle Scallops	AB-636-1282-15	Queen Scallops	NR95409197	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ardcastle Oysters	20	<18	45	78	20	<18	460	230	45	<18	45	1300
Ardcastle Mussels	20	<18	<18	68	<18	20	78	110	<18	<18	1300	18
Ardcastle Scallops	20	20	20	18	<18	20	310	490	<18	<18	45	78

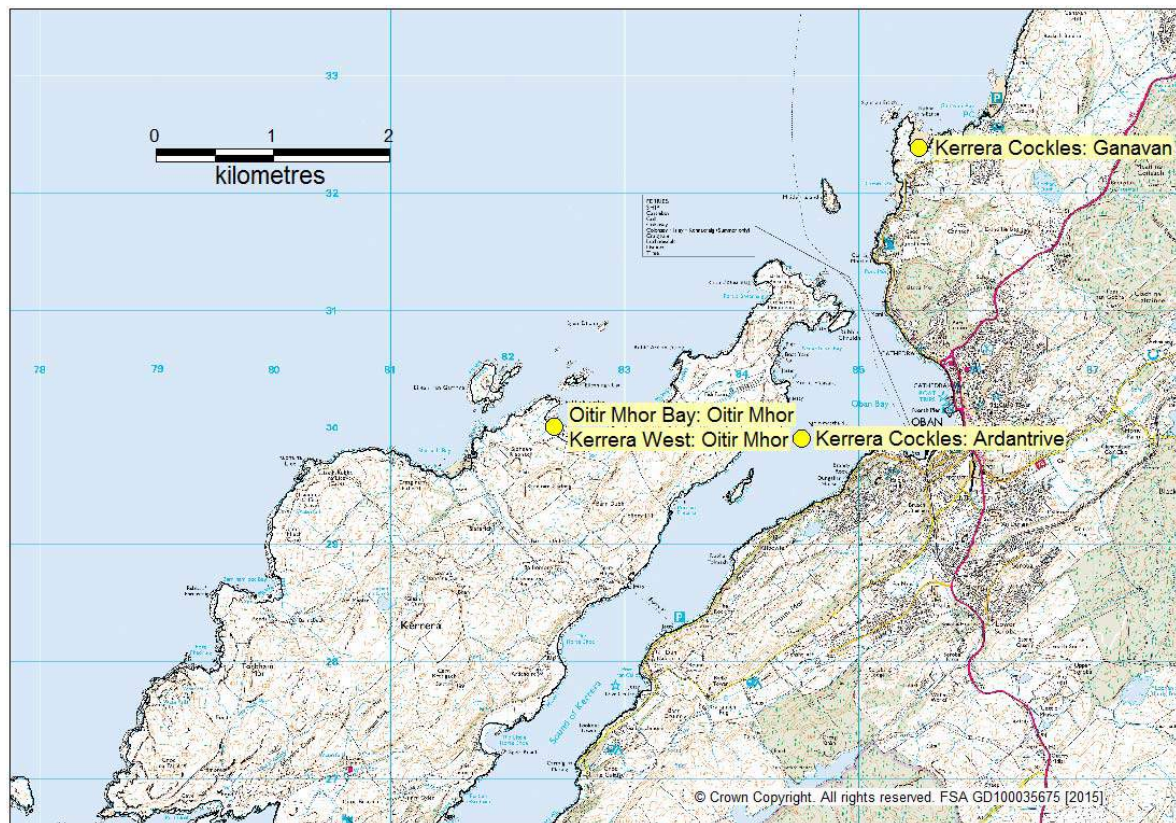
### 3.1.16 Kilbrannon Sound



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Loch Fyne: Stonefield	Skipness Bay	AB 153 042 16	Razors	NR90205745	-
North Ayrshire Council	Machrie Bay	Machrie Bay Razors	AB 510 929 16	Razors	NR88903385	A
Argyll and Bute Council	Campbeltown Loch	Kildalloig Bay	AB 029 008 04	Common Cockles	NR74761999	B/C
Argyll and Bute Council	Carradale Bay	Carradale Bay Razors	AB 511 930 16	Razors	NR80503690	A/B
Argyll and Bute Council	Saddell Bay	Saddell Bay Razors	AB 512 931 16	Razors	NR79153142	A/B
North Ayrshire Council	Arran: Pirnmill	Pirnmill	NA 008 330 16	Razors	NR87004400	A/B
Argyll and Bute Council	Peninver Razors	Peninver Razors	AB 766 1962 16	Razors	TBC	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	Jan		Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Skipness Bay	20	170	<18			<18		220	<18		<18	20	
Machrie Bay Razors	78		<18			<18		790	45		<18	230	<18
Kildalloig Bay	45		210	110	110	20	220	2200	790	630	78	330	700
Carradale Bay Razors	20		20		20	<18		490	20		<18	<18	
Saddell Bay Razors	<18		20		20	<18		490	20		20	45	
Arran: Pirmill	68		<18			<18		1100	20		<18	<18	
Peninver Razors								1300	20		<18	<18	20

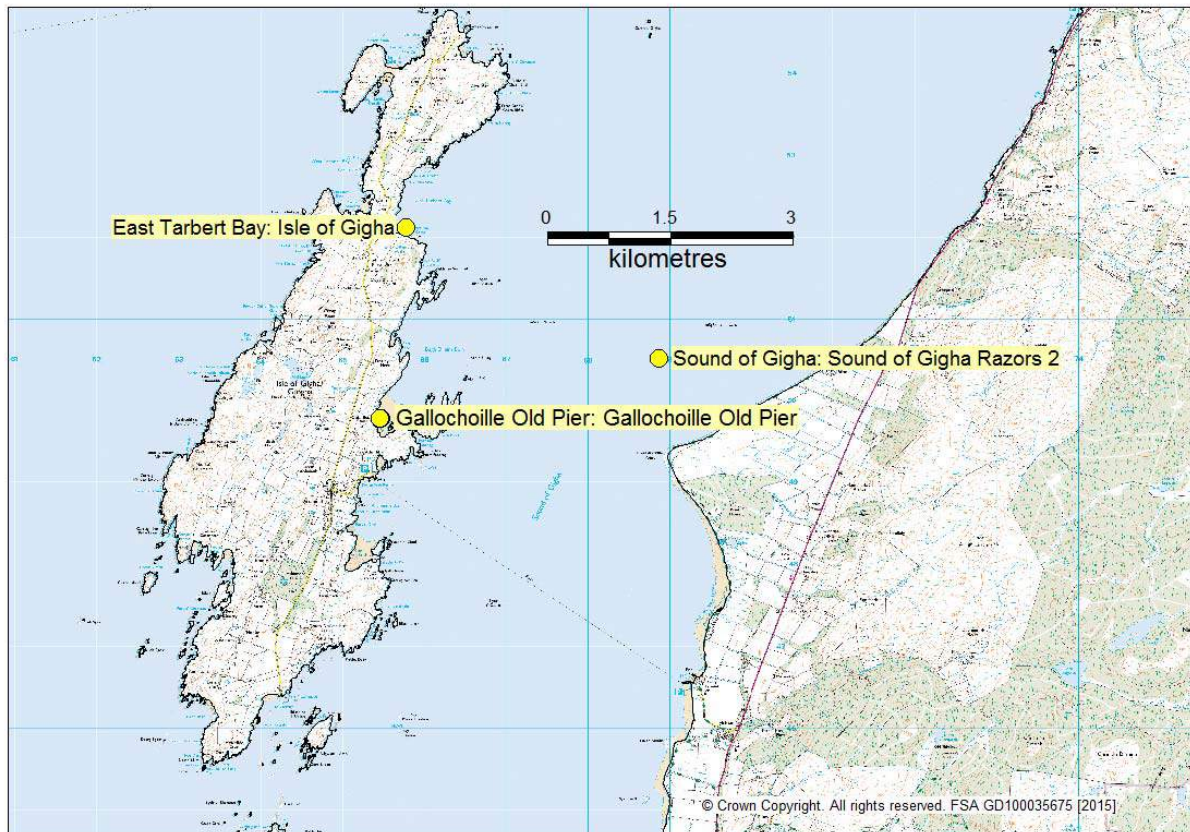
### 3.1.17 Kerrera



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Oitir Mhor Bay	Oitir Mhor	AB 308 701 13	Pacific oysters	NM82393001	A/B
Argyll and Bute Council	Ganavan Cockles	Ganavan	AB697151204	Common cockles	NM85543240	B
Argyll and Bute Council	Kerrera East Cockles	Ardantrive	AB 697 1513 04	Common cockles	NM84042989	B
Argyll and Bute Council	Kerrera West Cockles	Oitir Mhor	AB 697 1514 04	Common cockles	NM82393001	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Oitir Mhor	<18	330	330	<18	<18	330	16000	1300	490	78		78
Ganavan	<18	1300	1100	330	2700	2200	790	1700	1300	45	230	170
Ardantrive								3500	790	1700		1300
Oitir Mhor								1300	790	<18		110

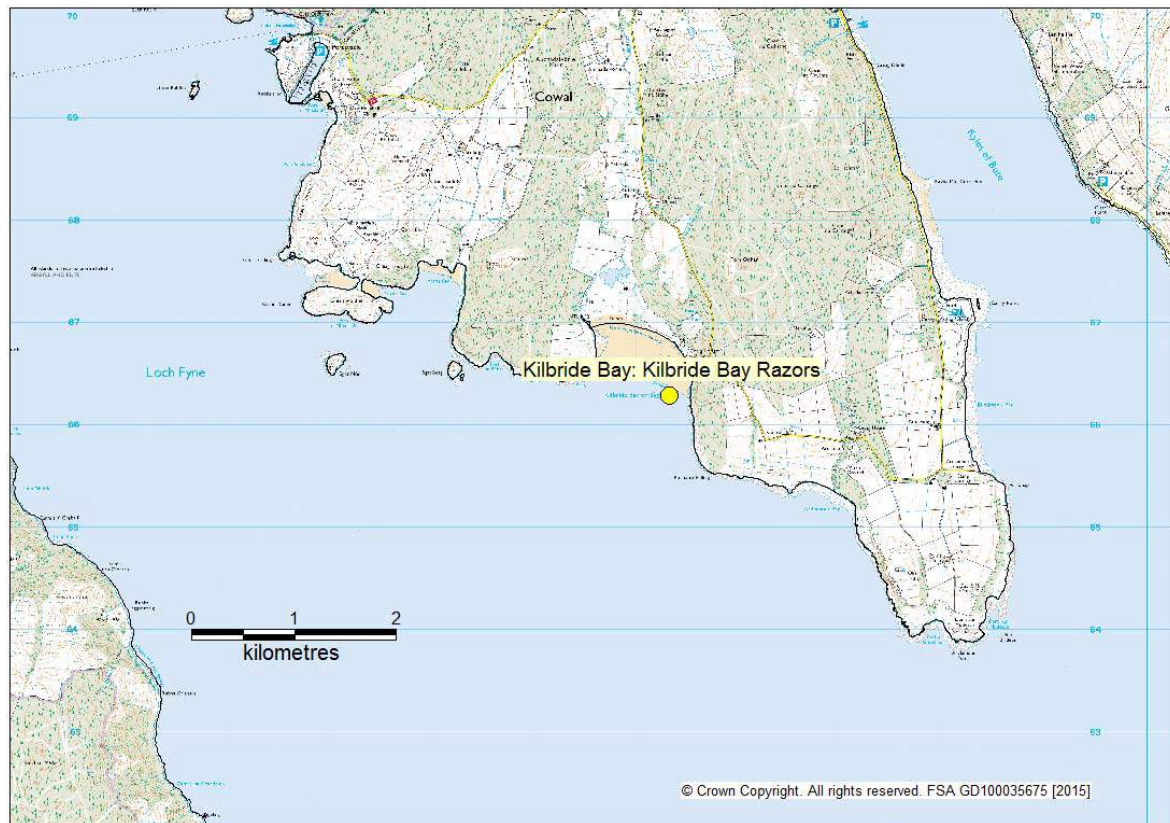
### 3.1.18 Sound of Gigha



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	East Tarbert Bay	Isle of Gigha	AB 541 972 13	Pacific oysters	NR65745210	A/B
Argyll and Bute Council	Sound of Gigha	Sound of Gigha Razors 2	AB 515 1250 16	Razors	NR68304650	A
Argyll and Bute Council	Gallochoille Old Pier	Gallochoille Old Pier	AB 699 1519 13	Pacific oysters	NR65404806	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Isle of Gigha	130	490	<18	<18	2400	45	20	45	170	170	330	20
Sound of Gigha Razors 2		<18	<18	<18	45		310	<18				
Gallochoille Old Pier	<18	330	1300	20	20	45	78	<18	<18	1300	330	1300

## 2.1.19 Kilbride Bay

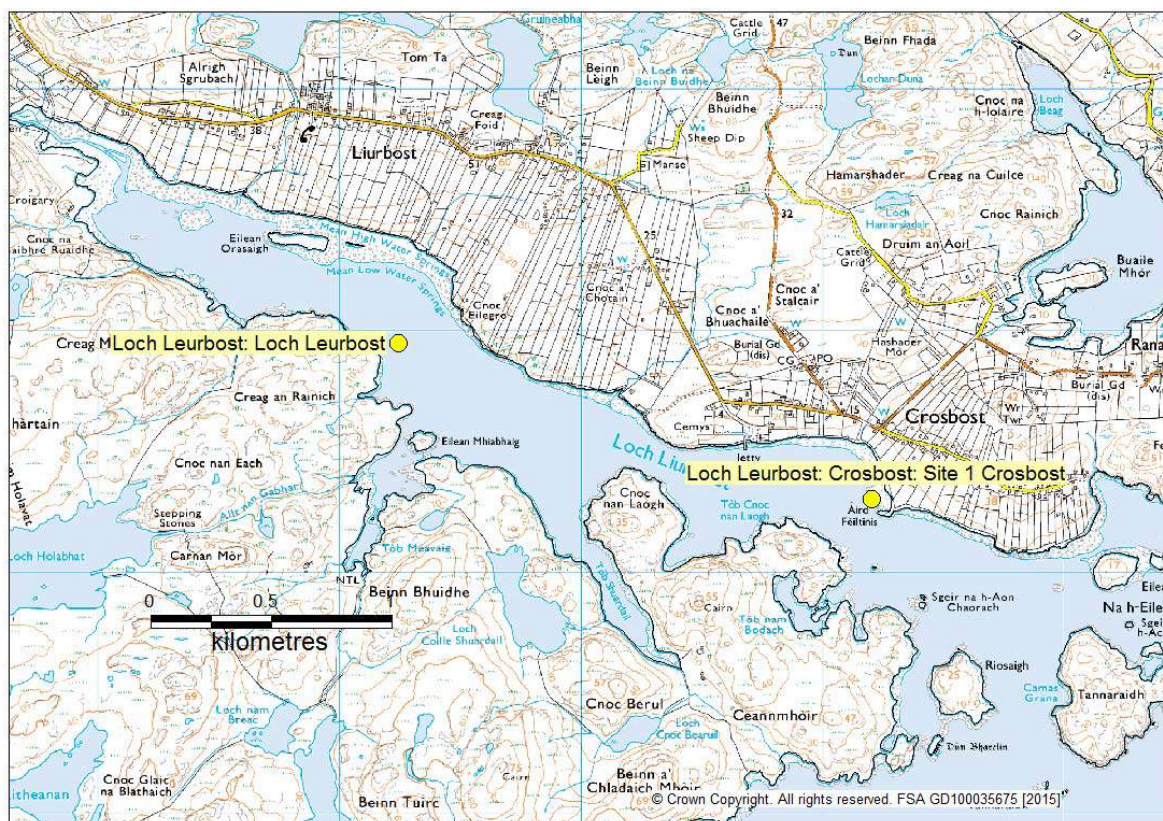


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Argyll and Bute Council	Kilbride Bay	Kilbride Bay Razors	AB 420 824 16	Razors	NR95866641	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Kilbride Bay Razors	45	<18					110					

## 3.2 COMHAIRLE NAN EILEAN SIAR: LEWIS & HARRIS

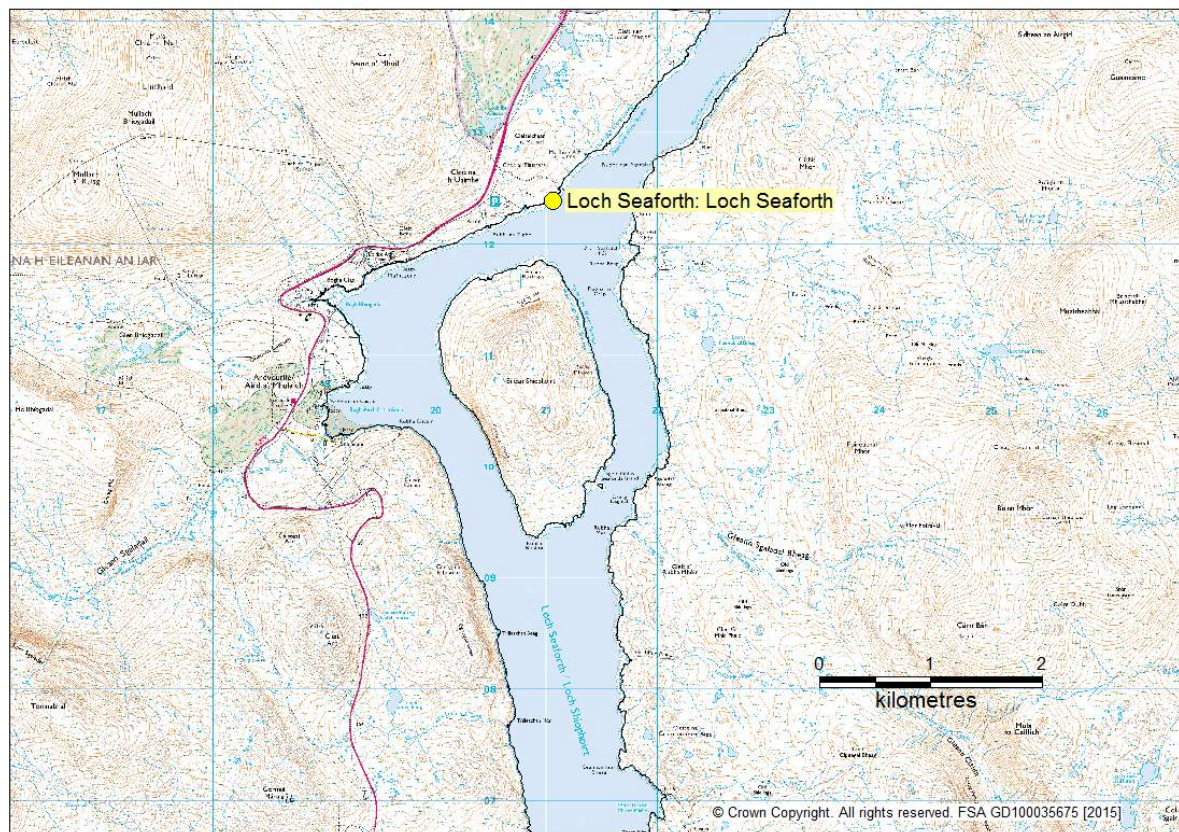
### 3.2.1 Loch Leurbost



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Leurbost	Loch Leurbost	LH 168 114 08	Common mussels	NB37252492	A/B
Comhairle nan Eilean Siar - Lewis & Harris	Loch Leurbost: Crosbost	Site 1 Crosbost	LH 339 795 13	Pacific oysters	NB3922430	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Leurbost	45	<18	45	20	20	<18	45	<18	45	<18	170	230
Site 1 Crosbost	20	2200	20	110	93	78	210	490	110	330	78	

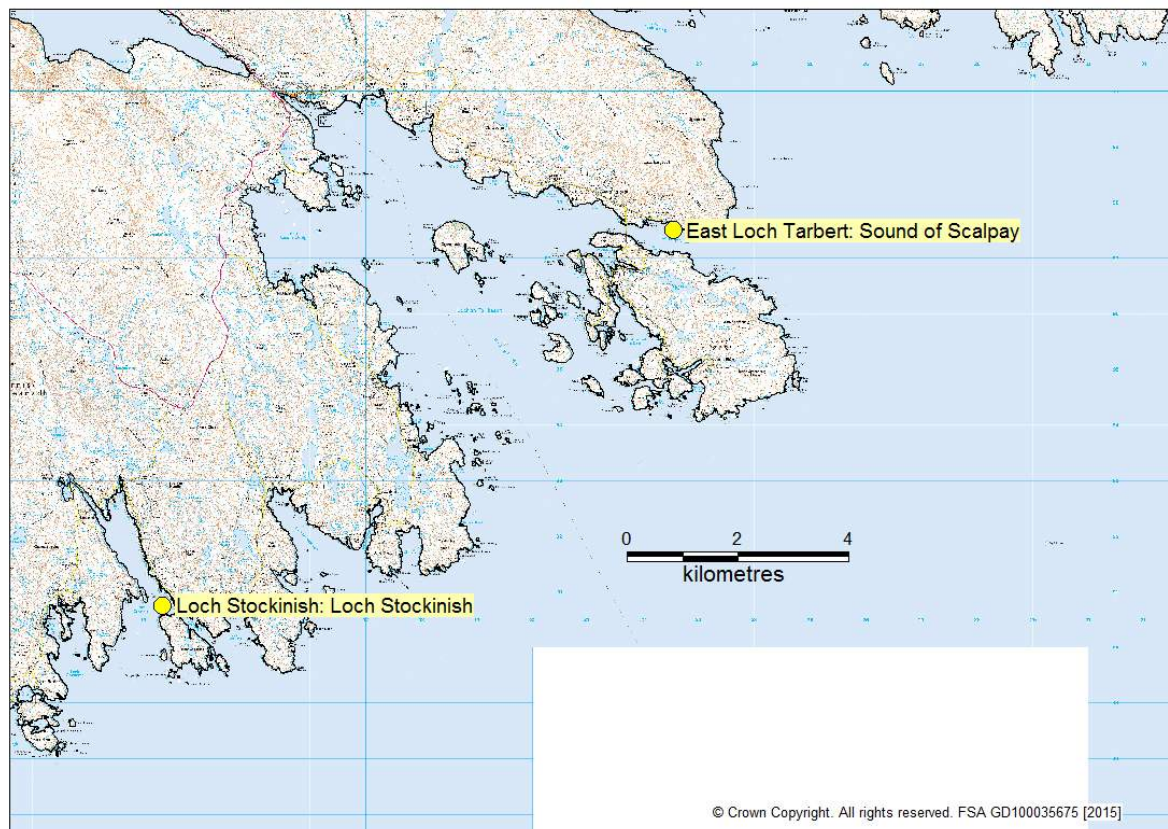
### 3.2.2 Loch Seaforth



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Seaforth	Loch Seaforth	LH 193 126 08	Common mussels	NB21051239	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Seaforth	20	<18	<18	45	20	130	230	<18	1300	<18	45	78

### 3.2.3 Loch Stockinish and Sound of Scalpay



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Stockinish	Loch Stockinish	LH 203 127 08	Common mussels	NG12749166	A/B
Comhairle nan Eilean Siar - Lewis & Harris	East Loch Tarbert	Sound of Scalpay	LH 057 106 08	Common mussels	NG22619750	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Stockinish	<18	<18	<18	45	<18	20	45	20	20	20	45	45
Sound of Scalpay	<18	<18	<18	<18	<18	170	460	20	490	<18	20	<18

### 3.2.4 Loch Roag West



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag	Miavaig	LH 188 123 08	Common mussels	NB18812308	A
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag	Eilean Teinish	LH 338 720 08	Common mussels	NB11853470	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Miavaig	<18	20	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18
Eilean Teinish	<18	20	<18	<18	<18	20	<18	<18	<18	<18	20	<18

### 3.2.5 Loch Roag East



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag: Eilean Chearstaigh	Buckle Point	LH 344 791 08	Common mussels	NB20093245	A
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag: Ceabhagh	Keava	LH 381 772 08	Common mussels	NB12003450	A
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag: Barraglom: Loch Barraglom	Loch Barraglom	LH 185 120 08	Common mussels	NB16693413	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Buckle Point	<18	<18	<18	45	110	20	45	18	<18	45	45	78
Keava	<18	45	<18	<18	<18	<18	<18	<18	20	<18	20	<18
Loch Barraglom	20	20	<18	68	20	<18	170	<18	<18	45	<18	<18

### 3.2.6 Loch Roag Central



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag Drovinish	Loch Drovinish	LH 186 121 08	Common mussels	NB14123221	A
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag Linngeam	Linngeam	LH 187 122 08	Common mussels	NB14623323	A/B
Comhairle nan Eilean Siar - Lewis & Harris	Loch Roag Torranish Loch Torranish	Cleatasay* Loch Torranish	LH 187 699 08 LH 189 124 08	Common mussels	NB15483380	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Loch Drovinish	<18	<18	<18	<18	20	<18	230	20	45	<18	<18	<18
Linngeam	20	<18	20*	<18	<18	<18	78	<18	20	<18	20	<18
Loch Torranish	<18	<18	<18	<18	<18	20	110	<18	<18	<18	20	<18

### 3.2.7 Sound of Taransay



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Seilebost	Seilebost	LH 249 129 04	Common cockles	NG8089726	B

Site Name	Result ( <i>E. coli</i> MPN/100g) n month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Seilebost	20	20	20	<18	170	330	330	790	790	330	790	20

### 3.2.8 Loch Erisort



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Loch Erisort	Gob Glas	LH 357 711 08	Common mussels	NB35202060	A/B
Comhairle nan Eilean Siar - Lewis & Harris	Loch Erisort	Garbh Eilean	LH 357 747 08	Common mussels	NB36582128	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Gob Glas	45	210	<18	130	20	20	330	230	<18	40	45	130
Garbh Eilean	790	220	93	68	<18	20	170	78	<18	170	18	20

### 3.2.9 Tong Sands



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Lewis & Harris	Tong Sands	Tong Sands Cockles	LH 605 1100 04	Common cockles	NB43803440	B/C
Comhairle nan Eilean Siar - Lewis & Harris	Broad Bay Aiginish	Broad Bay Aiginish - Razors	LH 743 1740 16	Razors	NB46133500	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month														
	Jan	Feb	Mar	Apr	May		June	July	Aug		Sept		Oct	Nov	Dec
Tong Sands Cockles	310	330	330	230	>18000	1100	330	>18000	9200	9200	>18000	13000	3500	16000	700
Site Name	Result ( <i>E. coli</i> MPN/100g) in month														
	Jan	Feb		Mar	Apr	May	June	July	Aug	Sept		Oct	Nov	Dec	
Broad Bay Aqinish Razors	20	130	<18	40	220	<18	78	18	<18	<18		<18	<18	<18	

### 3.3 COMHAIRLE NAN EILEAN SIAR: UIST & BARRA

#### 3.3.1 Traigh Mhor



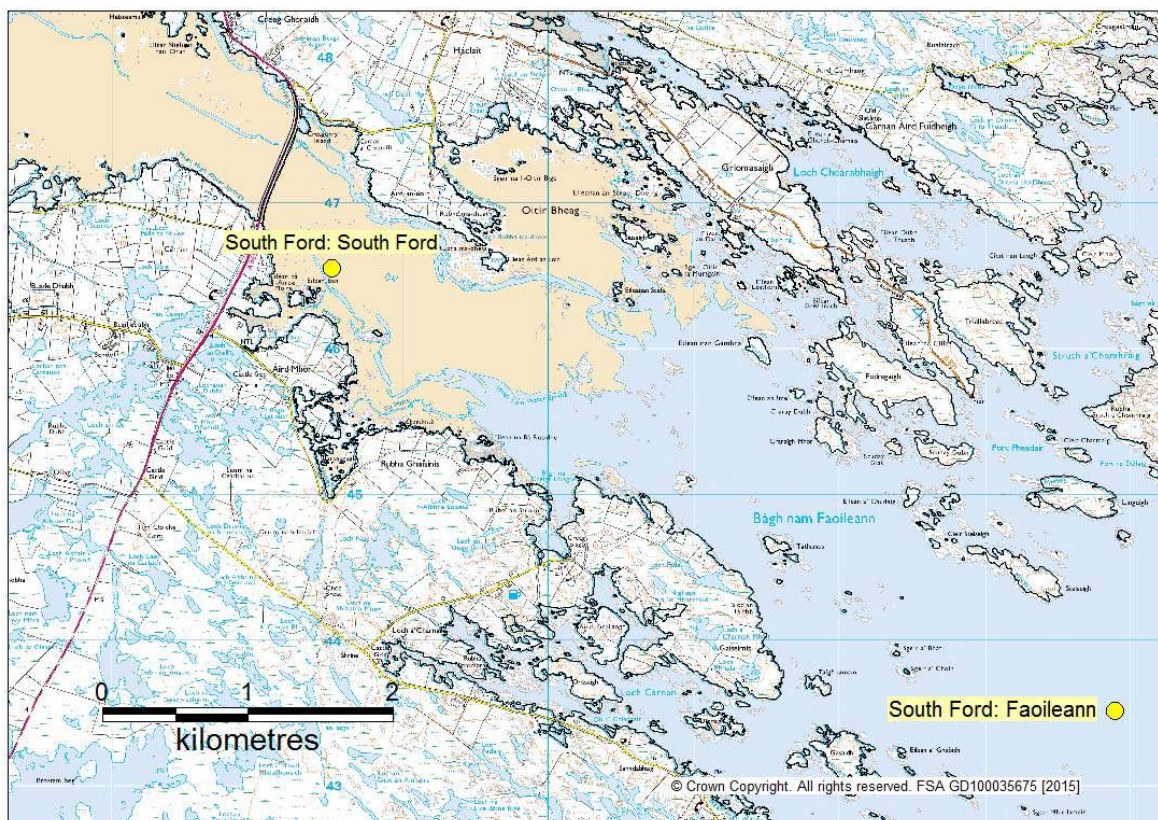
Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	Traigh Mhor	Traigh Mhor	UB 282 165 04	Common cockles	NF70360497	A/B
Comhairle nan Eilean Siar - Uist & Barra	Garbh Lingeigh	Garbh Lingeigh	UB 713 1622 13	Pacific Oysters	NF73990328	A
Comhairle nan Eilean Siar - Uist & Barra	Cidhe Eolaigearraidh	Sound of Barra: Pacific oysters	UB 427 830 13	Pacific oysters	NF71470803	A
Comhairle nan Eilean Siar - Uist & Barra	Traigh Cille Bharra	Traigh Cille Bharra Cockles	UB 392 790 04	Common cockles	NF71300680	A
Comhairle nan Eilean Siar - Uist & Barra	Oitir Mhor Razors	Rubha Nan Eun	UB 683 1484 16	Razors	NF73840660	A
Comhairle nan Eilean Siar - Uist & Barra	Traigh Mhor Razors	Traigh Mhor razors	UB 615 1194 16	Razors	NF71300571	B
Comhairle nan Eilean Siar - Uist & Barra	Traigh Cille Bharra	Traigh Cille Razors	UB 711 1574 16	Razors	-	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Traigh Mhor	20	<18	<18	<18	20	20	700	170	330	18	45	20
Garbh Lingeigh	<18	78	20	<18	<18	45	<18	<18	20	2200	78	78
Sound of Barra: Pacific oysters	130	20	20	20	78	490	20	<18	<18	110	20	
Traigh Cille Bharra Cockles	<18	20	<18	220	3500	92	490	330	230	130	<18	110

	Result ( <i>E. coli</i> MPN/100g) in month												
Site Name	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Rubha Nan Eun - razors	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18	<18		
Traigh Mhor razors	June	July				August		September			Oct	Nov	Dec
	<18	<18	20	<18	18	<18	68	20	<18	78	40	460	

	Result ( <i>E. coli</i> MPN/100g) in month															
Site Name	Mar	Apr	May	Jun	July				August		September			Oct	Nov	Dec
Traigh Cille Razors	<18			<18	<18	20	68	<18	<18	20	40	<18	45	<18	700	

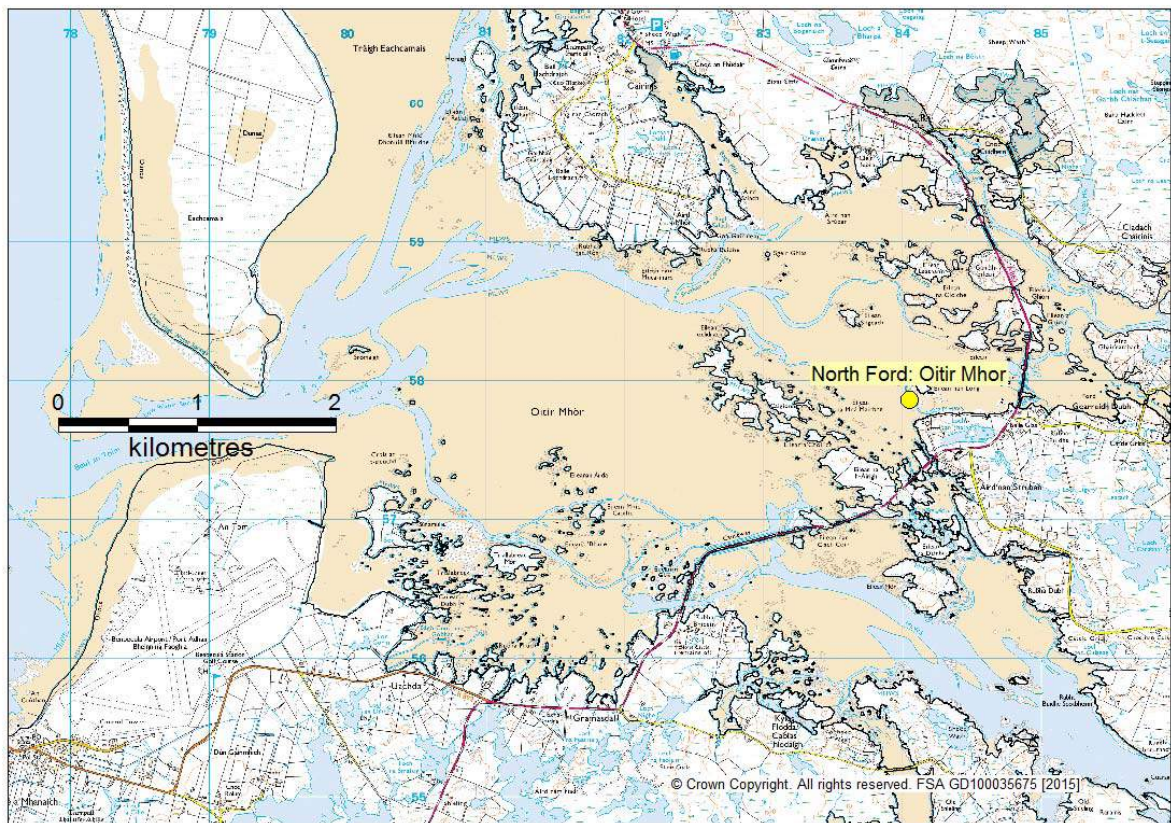
### 3.3.2 South Ford



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	South Ford	South Ford	UB 259 162 04	Common cockles	NF80424739	A/B
Comhairle nan Eilean Siar - Uist & Barra	South Ford - Faoileann	Faoileann	UB 734 1705 16	Razors	NF85904350	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
South Ford	20		20	78	<18	790	2400	130	68	170	170	<18
Faoileann	July			August		September				Oct	Nov	Dec
	<18	78	<18	<18	20	<18	<18	110	<18	20	<18	<18

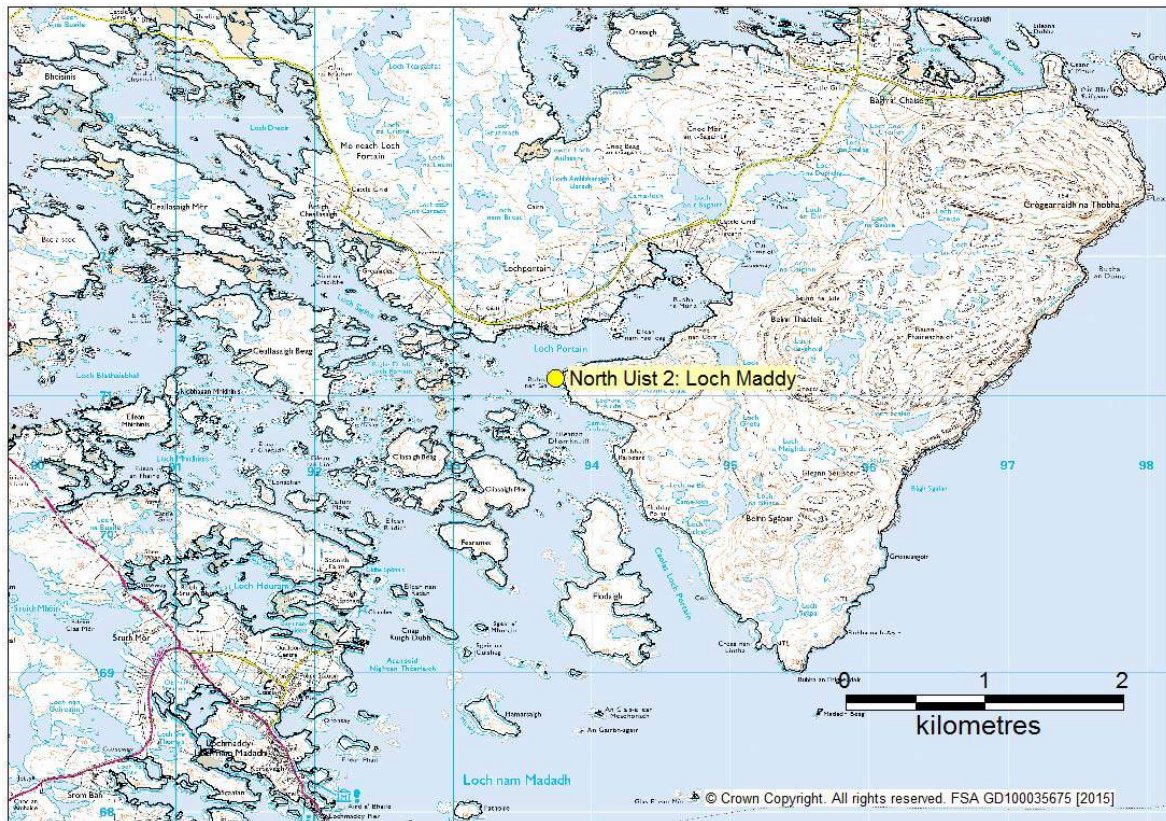
### 3.3.3 North Ford



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	North Ford	Oitir Mhor	UB 493 852 04	Common cockles	NF84055786	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Oitir Mhor	230		45	<18	490	220	2400	20	1300	330	700	170

### 3.3.4 North Uist



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	North Uist 2	Loch Maddy	UB 540 969 08	Common mussels	NF94087073	A

Site name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Maddy	<18	230	<18	<18	<18	45	45	<18	<18	20	<18	<18

### 3.3.5 Loch Skipport East



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	South Uist 1	Loch Skipport East	UB 537 966 08	Common mussels	NF84353914	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Skipport East	<18	<18	18	<18	<18	<18	<18	<18	45	<18	<18	<18

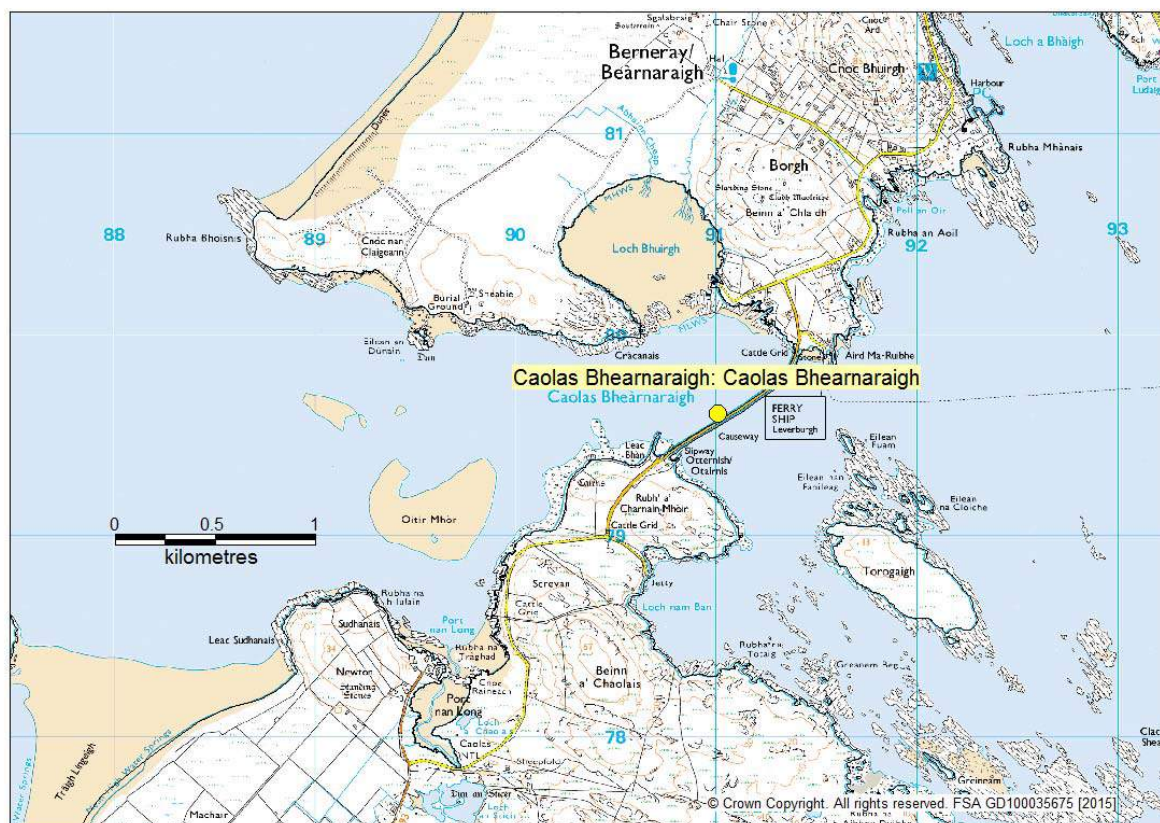
### 3.3.6 Caolas Eiriosgaigh



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	Caolas Eiriosgaigh Razors	Calbaigh Razors	UB 684 1485 16	Razors	NF79821252 NF79821245	X A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	July			August		September					Oct	Nov	Dec
Calbaugh Razors	<18	<18	<18	<18	<18	<18	<18	20	<18	20	<18	<18	<18

### 3.3.7 Caolas Bhearnaraigh



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Comhairle nan Eilean Siar - Uist & Barra	Caolas Bhearnaraigh	Caolas Bhearnaraigh	UB 7351706 16	Razors	NF91007960	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Calbairg Razors	<18	<18	<18	<18	20	<18	20	18	<18	<18	<18	

### 3.4 DUMFRIES & GALLOWAY COUNCIL

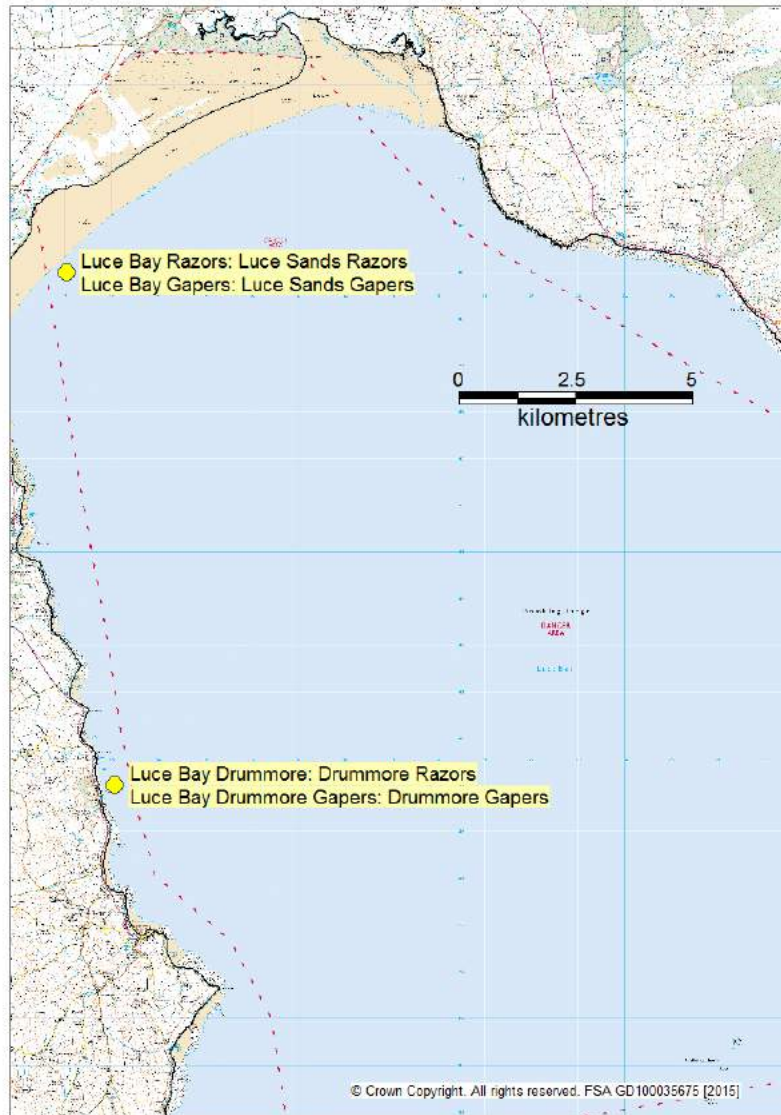
#### 3.4.1 Loch Ryan



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Dumfries and Galloway Council	Loch Ryan	Leffnoll Point	DG 191 174 12	Native oysters	NX07006690	A/B
Dumfries and Galloway Council	Loch Ryan	Loch Ryan cockles	DG 746 1809 04	Common Cockles	Sample area within points NX06906141 NX07266159 NX07346143 NX07006124 NX06906141	B
Dumfries and Galloway Council	Loch Ryan Soleburn	Soleburn Cockles	DG 762 1935 04	Common Cockles	NX04016786	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
Leffnoll Point	20	<18	<18	130	3500	40	210	18	78	68	68	170	
Loch Ryan cockles	Jan	Feb		March				April					
	110	2400	1100	220		490	20	18	230		78		
	May		June	July	Aug	Sept		Oct	Nov		Dec		
	230		78	170		1100		78	1700		5400	1700	
Soleburn Cockles	Jun	July				August			Sep		Oct	Nov	Dec
	630	78	130	210	30	230	490	490	220	68	790	78	

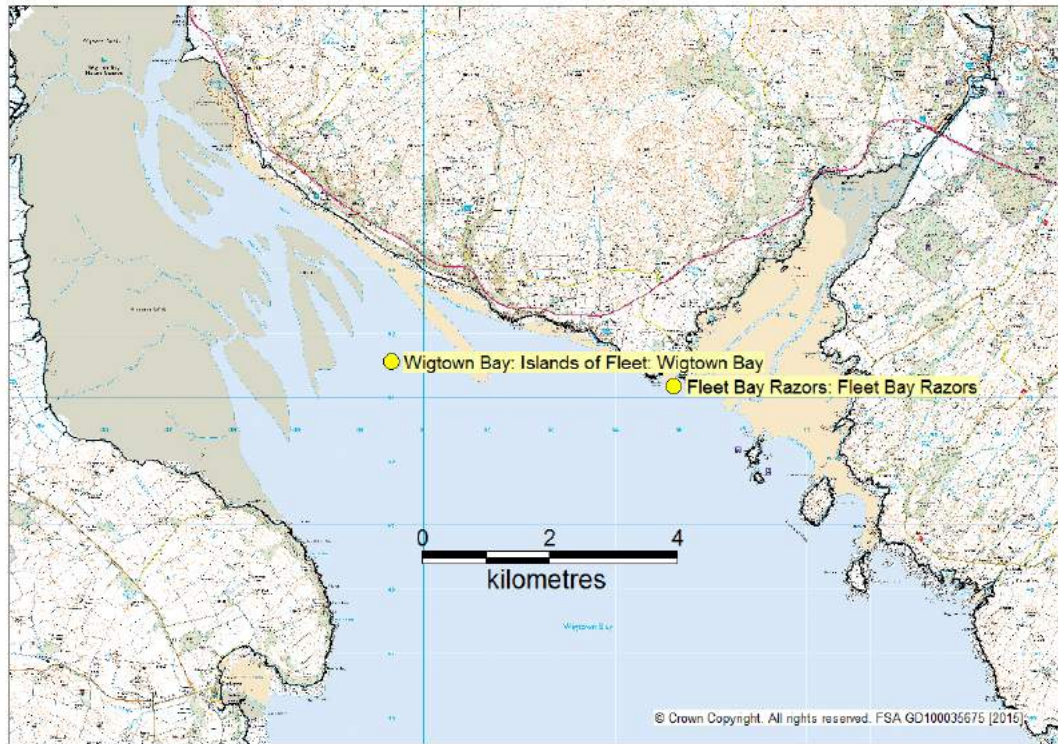
### 3.4.2 Luce Bay



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Dumfries and Galloway Council	Luce Bay Razors	Luce Sands Razors	DG 499 865 16	Razors	Sample area within points NX13005200 NX13505160 NX15005260 NX14555320	A/B
Dumfries and Galloway Council	Luce Bay Gapers	Luce Sands Gapers	DG 784 2010 18	Sand Gapers	NX16765418	A
Dumfries and Galloway Council	Luce Bay Drummore Gapers	Drummore Gapers	DG 783 2009 18	Sand Gapers	NX12993958	A/B
Dumfries and Galloway Council	Luce Bay Drummore Razors	Drummore Razors	DG 751 1824 16	Razors	Sample area within points NX1299 3958 NX1320 3918	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Luce Sands Razors	20	78		45	20	68	330	130	<18	78	<18	<18
Luce Sands Gapers											20	<18
Drummore Gapers												20
Drummore Razors	Jan		Feb				March		April			
	78	<18	45	<18	<18	<18			<18	<18	<18	
	May	June	July	Aug	Sept	Oct	Nov	Dec				
	<18	<18	330	<18		130		45				

### 3.4.3 Fleet Bay

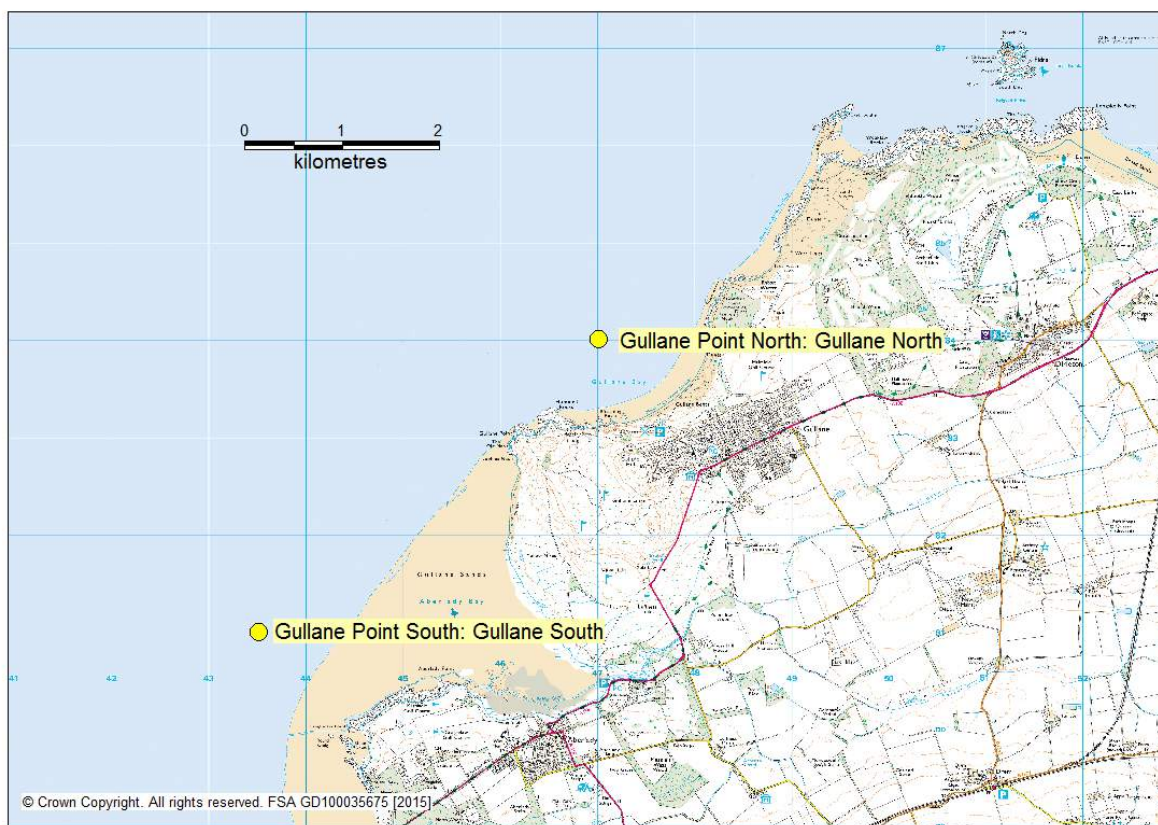


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Dumfries and Galloway Council	Fleet Bay	Fleet Bay Razors	DG 752 1880 16	Razors	Sample area within points NX54905118 NX55205144 NX55635119 NX55265082 NX54905118	A
Dumfries and Galloway Council	Wigtown bay Island of Fleet	Wigtown Bay	DG 305 182 16	Razors	NX53215114	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month									
	Jan		Feb			March	April			
Fleet Bay Razors	20	130	68	20	20	<18	<18	20	230	<18
	May		June	July	August	Sept	Oct	Nov	Dec	
	<18		230	1300	230	<18	20	<18	78	
	June	July			August	Sept		Oct	Nov	Dec
Wigtown Bay	<18	790	45	40	20	<18	<18	220	<18	<18

### 3.5 EAST LoTHIAN

#### 3.5.1 Gullane Point

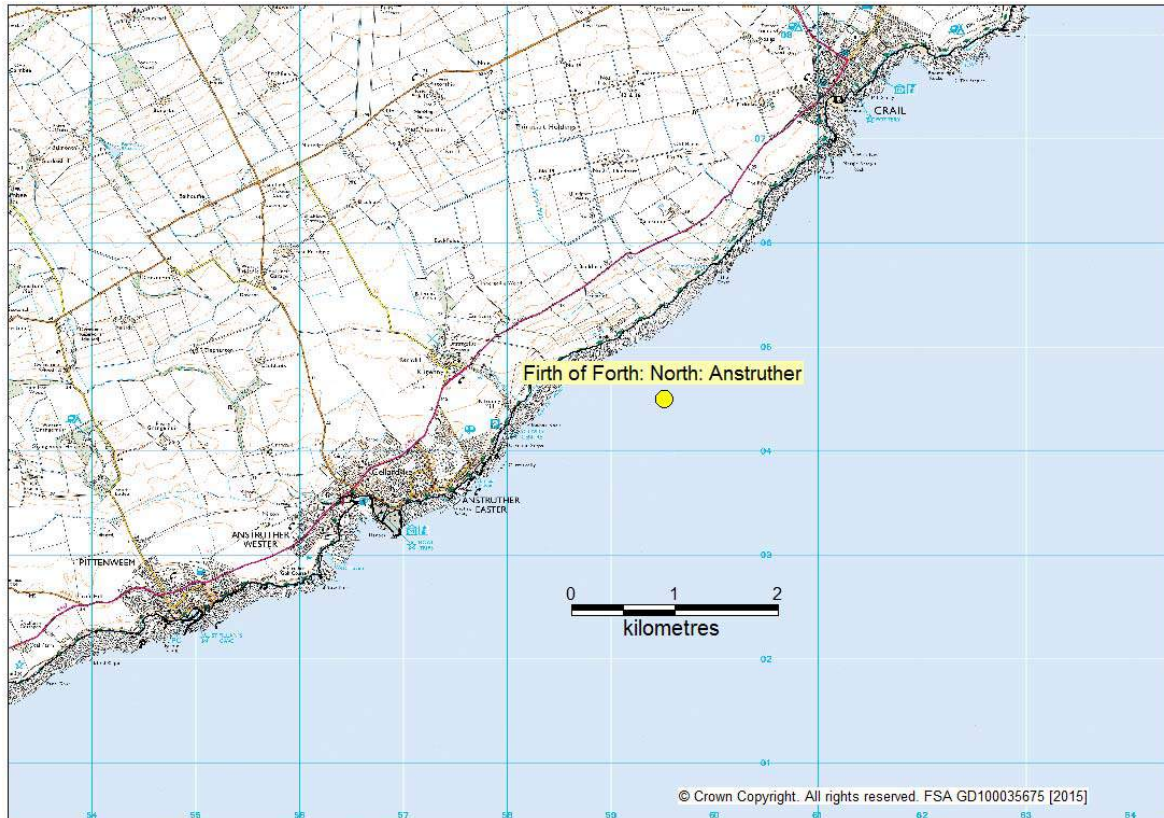


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Fife Council	Gullane Point	Gullane Point North	EL 601 1087 16	Razors	Areas Between NT47568474 NT46418413 NT46418380 NT47568439	A/B
Fife Council	Gullane Point	Gullane Point South	EL 703 1525 16	Razors	Areas Between NT43728112 NT43458132 NT43238043 NT43508023	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Gullane Point North	110	45	700	<18	<18	<18	<18	<18	<18	<18	<18	490
Gullane Point South	230	20	1700	<18	<18	<18	<18	<18	<18	<18	<18	

### 3.6 FIFE COUNCIL

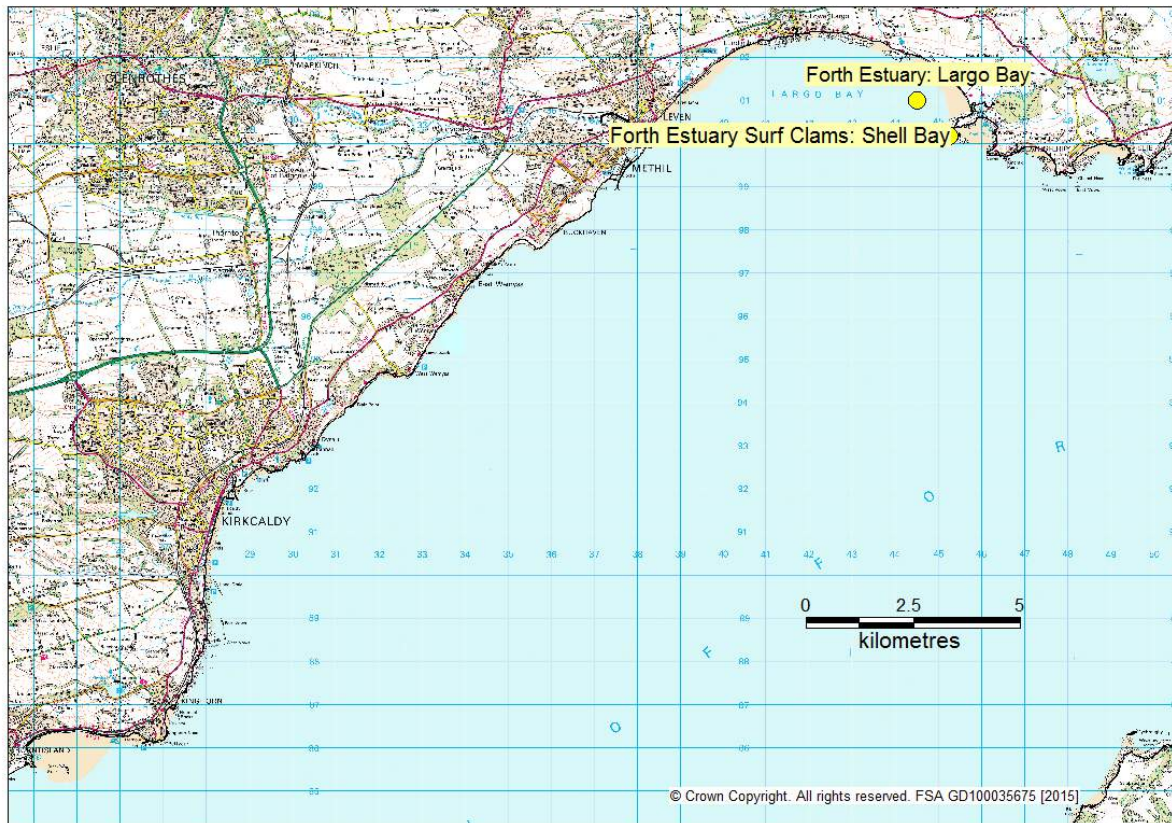
#### 3.6.1 Forth Estuary



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Fife Council	Forth Estuary: Anstruther	Forth Estuary: Anstruther	FF 068 184 19	Surf clams	Between the points: NO59000440 NO59290400 NO56430195 NO56140236	B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forth Estuary: Anstruther	1100	330	2400	130	68	1300	460	2200	490	78	110	330

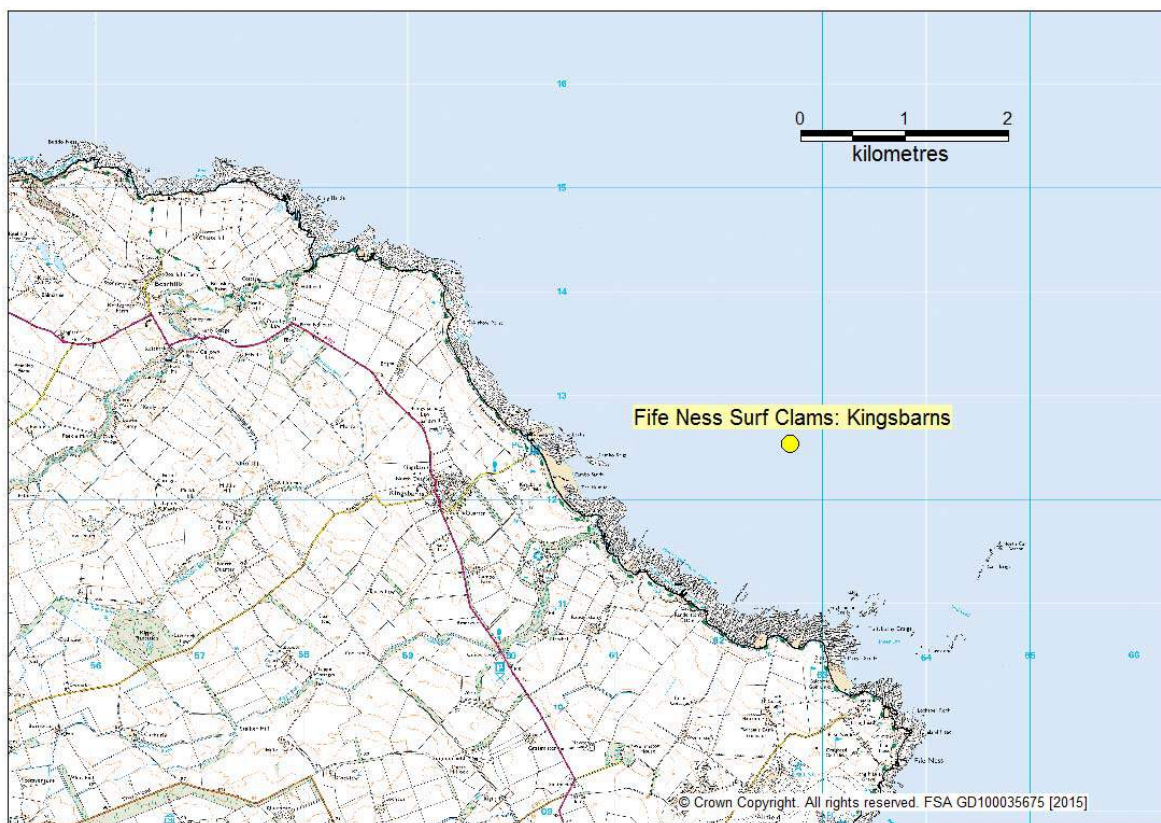
### 3.6.2 Forth Estuary – Largo Bay



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Fife Council	Forth Estuary	Largo Bay	FF 072 188 16	Razors	Between; NO 4100 0180	A/B
Fife Council	Forth Estuary Surf Clams	Shell Bay	FF 772 1975 19	Surf Clams	NO045230225	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov		Dec
Largo Bay	110	<18	1300	<18	<18	<18	<18	<18	20	<18	<18	490	
Shell Bay													220

### 3.6.3 Forth Estuary – Fife Ness

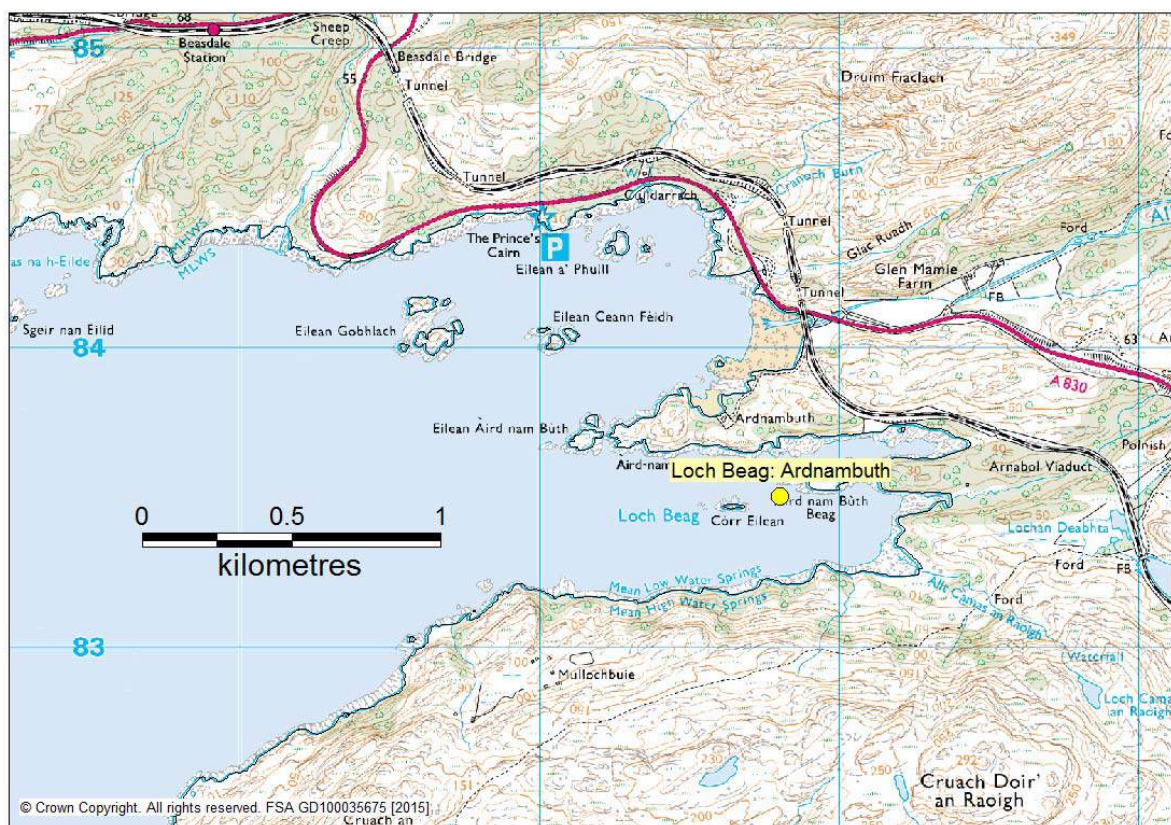


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Fife Council	Fife Ness Surf Calms	Kingsbarns	FF 771 1974 19	Surf clams		-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	March	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Kingsbarns												130

### 3.7 HIGHLAND COUNCIL: LOCHABER

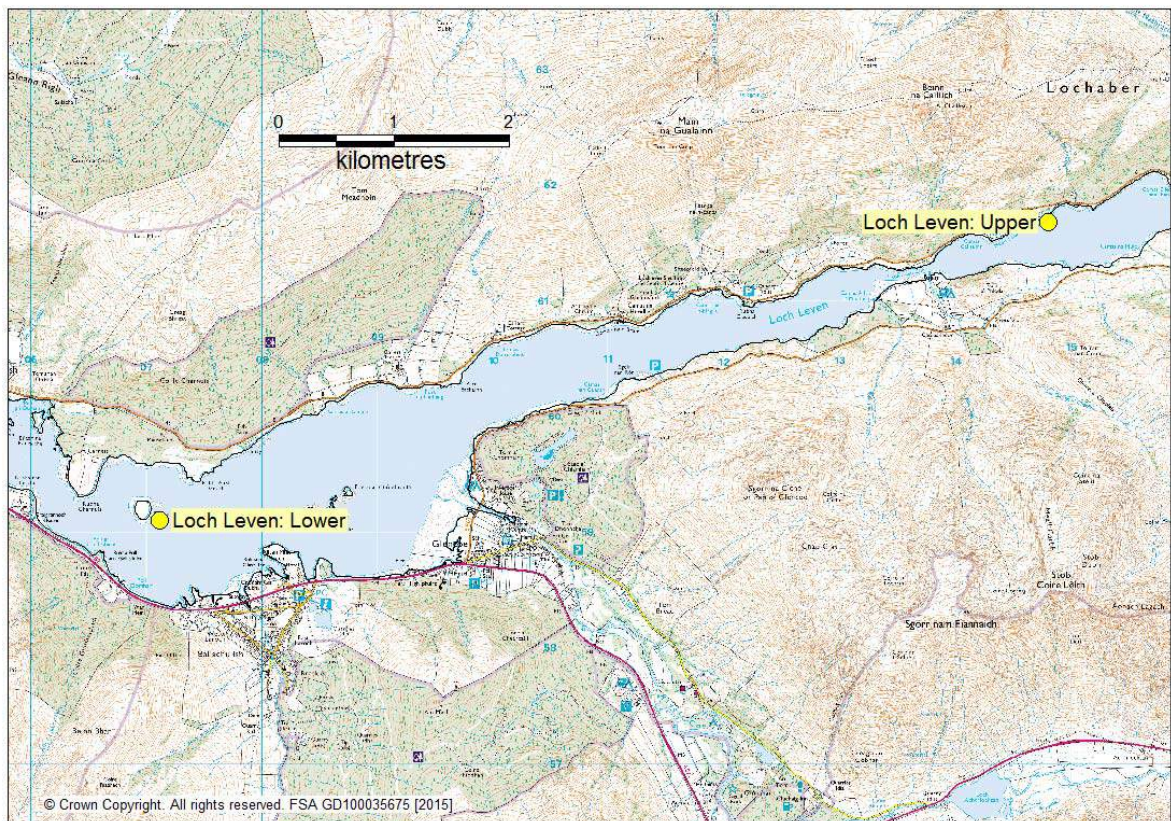
#### 3.7.1 Loch Beag



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Loch Beag	Ardnambuth	HL 118 215 08	Common mussels	NM72768332	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ardnambuth		<18	<18	3500	18	<18	<18	20	45	<18	<18	

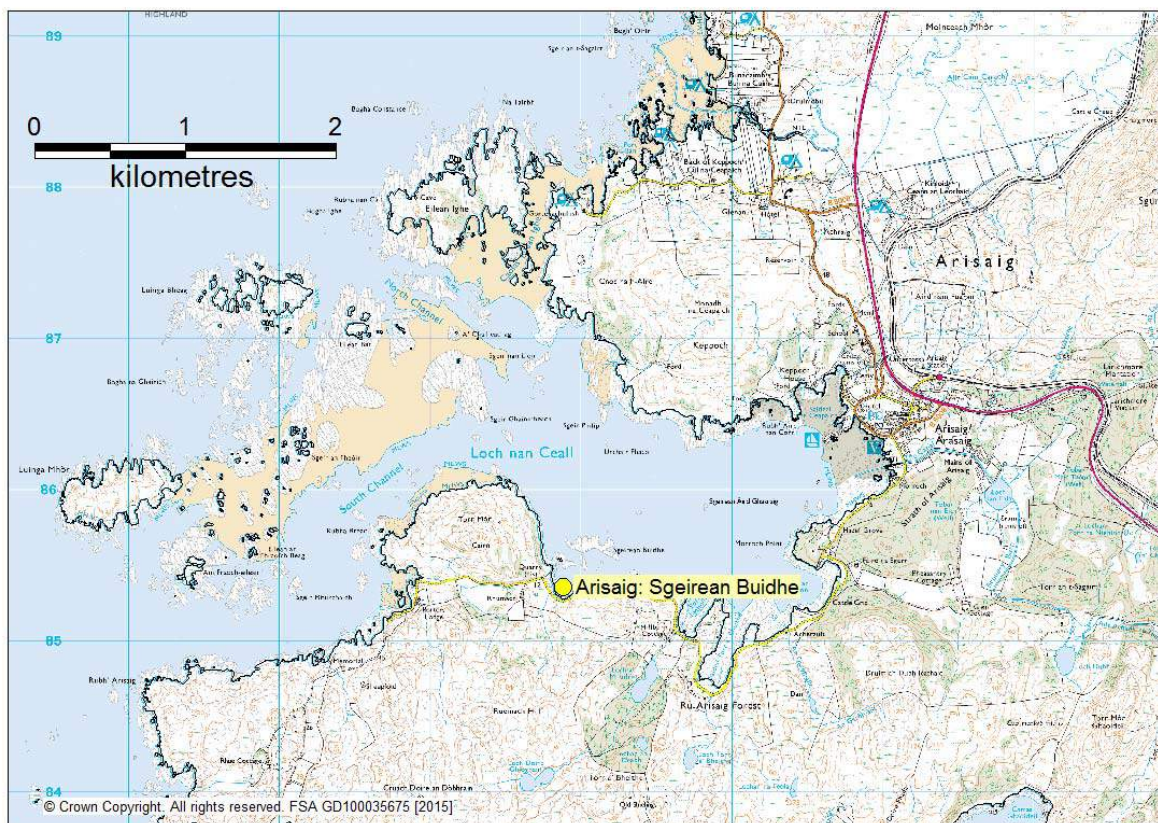
### 3.7.2 Loch Leven



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Loch Leven: Lower	Lower	HL 170 222 08	Common mussels	NN07165905	A/B
Highland Council: Lochaber	Loch Leven: Upper	Upper	HL 171 223 08	Common mussels	NN14806 68	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Lower	490	130	220	<18	40	20	78	130	<18	68		
Upper	78	45	78	130	490	<18	1100	45	110	170		

### 3.7.3 Arisaig



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Arisaig	Sgeirean Buidhe	HL 004 198 13	Pacific oysters	NM638 78535	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Sgeirean Buidhe	20	230	3500	170	330	230	48	9200	16000	230	230	20

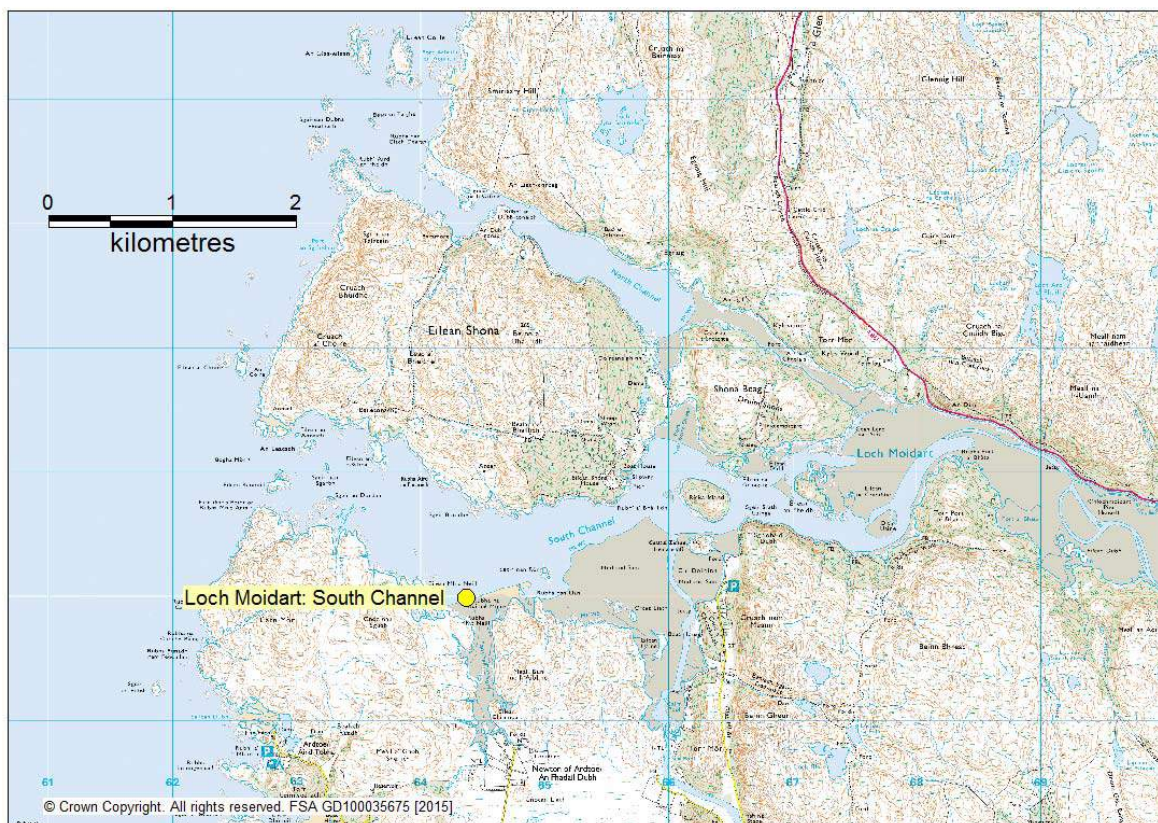
### 3.7.4 Loch Eil



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Loch Eil: Fassfern	Fassfern	HL 136 219 08	Common mussels	NN02957815	B
Highland Council: Lochaber	Loch Eil	Duisky	HL 134 216 08	Common mussels	NN00527753	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Fassfern	490	700	45	18	110	5400	130	700		<18	490	
Duisky	40	330	68	<18	45	110	170	490		<18	230	

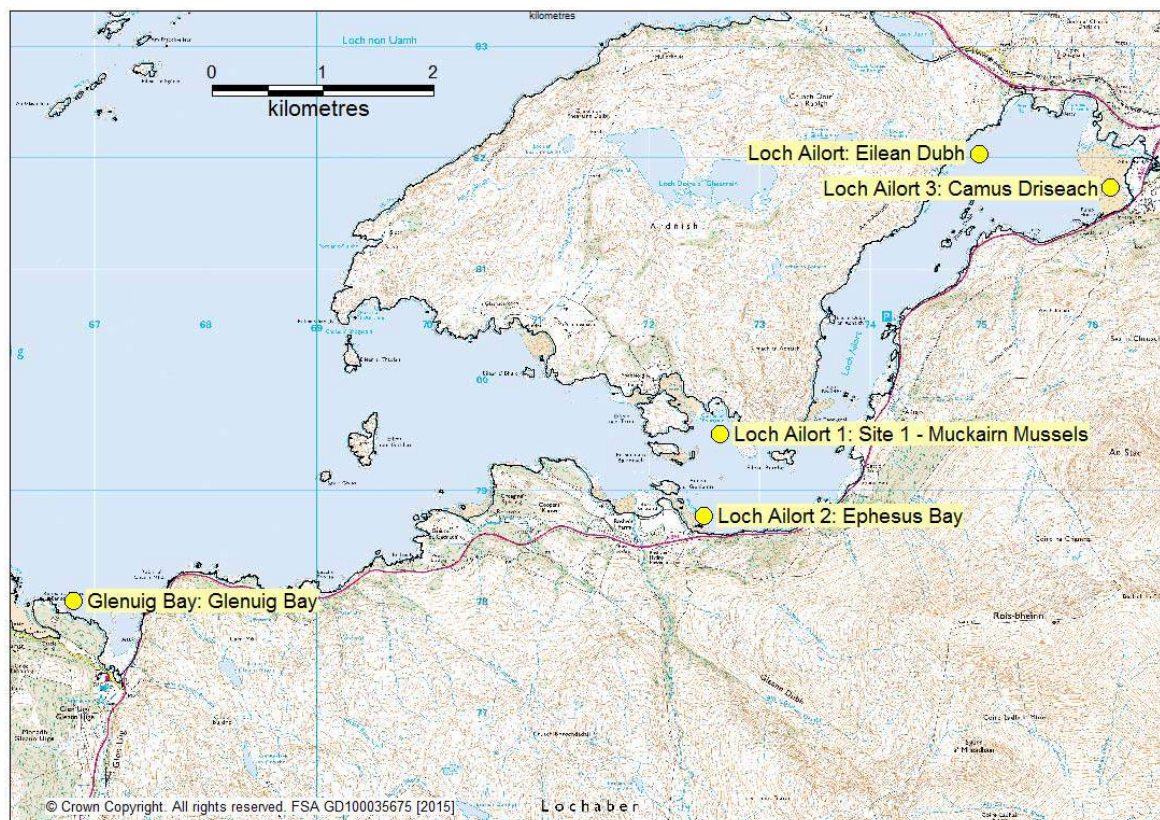
### 3.7.5 Loch Moidart



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Loch Moidart	South Channel	HL 179 227 13	Pacific oysters	NM64397197	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
South Channel	<18	45	20	45	230	330		790	68	18	<18	

### 3.7.6 Loch Ailort



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Loch Ailort	Eilean Dubh	HL 114 937 08	Common mussels	NM74778180	A
Highland Council: Lochaber	Glenuig Bay	Glenuig Bay	HL 075 205 08	Common mussels	NM67047797	A
Highland Council: Lochaber	Loch Ailort 1	Site 1 – Muckairn Mussels	HL 114 214 08	Common mussels	NM72647951	A
Highland Council: Lochaber	Loch Ailort 3	Camus Driseach	HL 114 207 13	Pacific oysters	NM76168172	A/B
Highland Council: Lochaber	Loch Ailort 2	Ephesus Bay	HL 539 968 12	Native oysters	NM72497877	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Eilean Dubh	<18	20	<18	<18	40		<18	18	20	<18	<18	
Glenuig Bay			<18	<18								
Site 1 – Muckairn Mussels			<18	<18								
Camus Driseach	18	45	68	45	20	330	460	1300	330	130	230	45
Ephesus Bay	<18	45	<18	<18	45	230		230	1100	490	<18	

### 3.7.7 Loch Sunart



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Loch Sunart	Liddesdale	HL 206 1237 08	Common mussels	NM 7830 6012	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Liddesdale	20	45	<18	<18	78	490	20	20		<18	170	

### 3.7.8 Sound of Sleat



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Lochaber	Camus Garbh Clams	Sound of Sleat Clams	HL 765 1961 02	Carpet Clams	NG74200840	A
Highland Council: Lochaber	Camus Garbh Artemis	Sound of Sleat Artemis	HL 769 1969 05	Rayed Artemis	NG74200840 NG74500920	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	July		August			September				Oct	Nov	
Sound of Sleat Clams	170	<18	20	<18	45	<18	20	<18	45	<18	170	<18
Sound of Sleat Artemis	August			September			October				November	
	20	<18	230	<18	20	<18	<18	<18	<18	<18	<18	

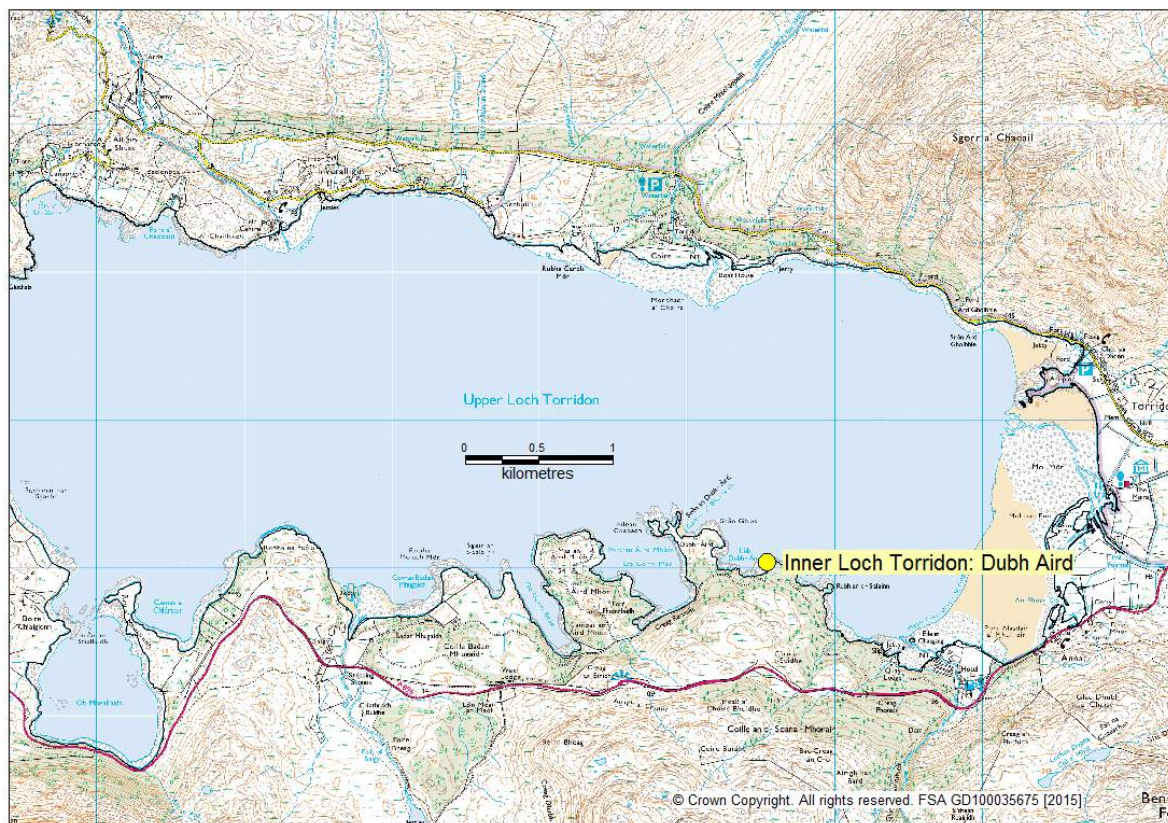
**3.8 HIGHLAND COUNCIL: ROSS & CROMARTY**  
**3.8.1 Loch Ewe and Loch Thurnaig**



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Ross & Cromarty	Loch Ewe & Loch Thurnaig	Loch Ewe	RC 142 250 07	King scallops	NG85808867	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Ewe	<18	<18	20	<18	<18	20	20	9200	<18	<18	40	78

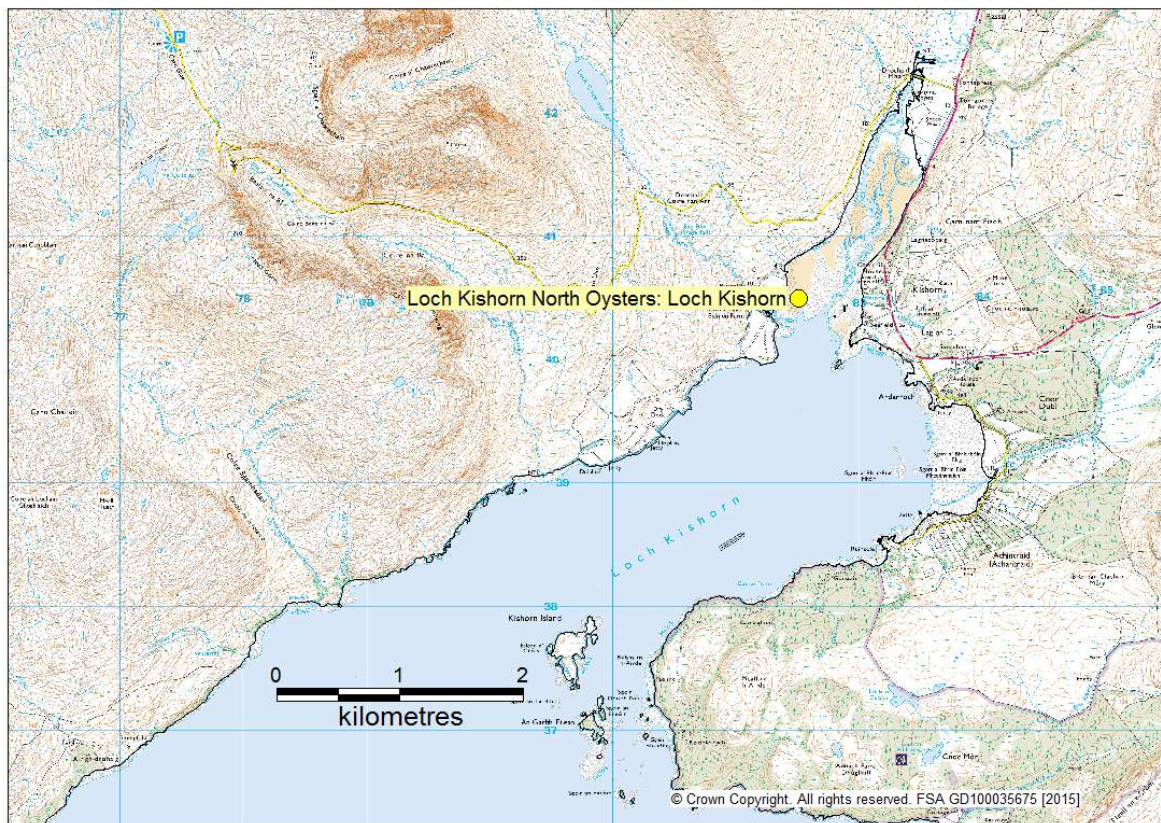
### 3.8.2 Inner Loch Torridon



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Ross & Cromarty	Inner Loch Torridon	Dubh Aird	RC 090 1616 08	Common mussels	NG87525502	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Dubh Aird	790	20	110	<18	<18	18	<18	45	78	45	330	490

### 3.8.3 Loch Kishorn North



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Ross & Cromarty	Loch Kishorn North Oysters	Loch Kishorn	RC 329 254 13	Pacific oysters	NG82834025	A/B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Kishorn	45	20	<18	<18	490	20	790	45	790			

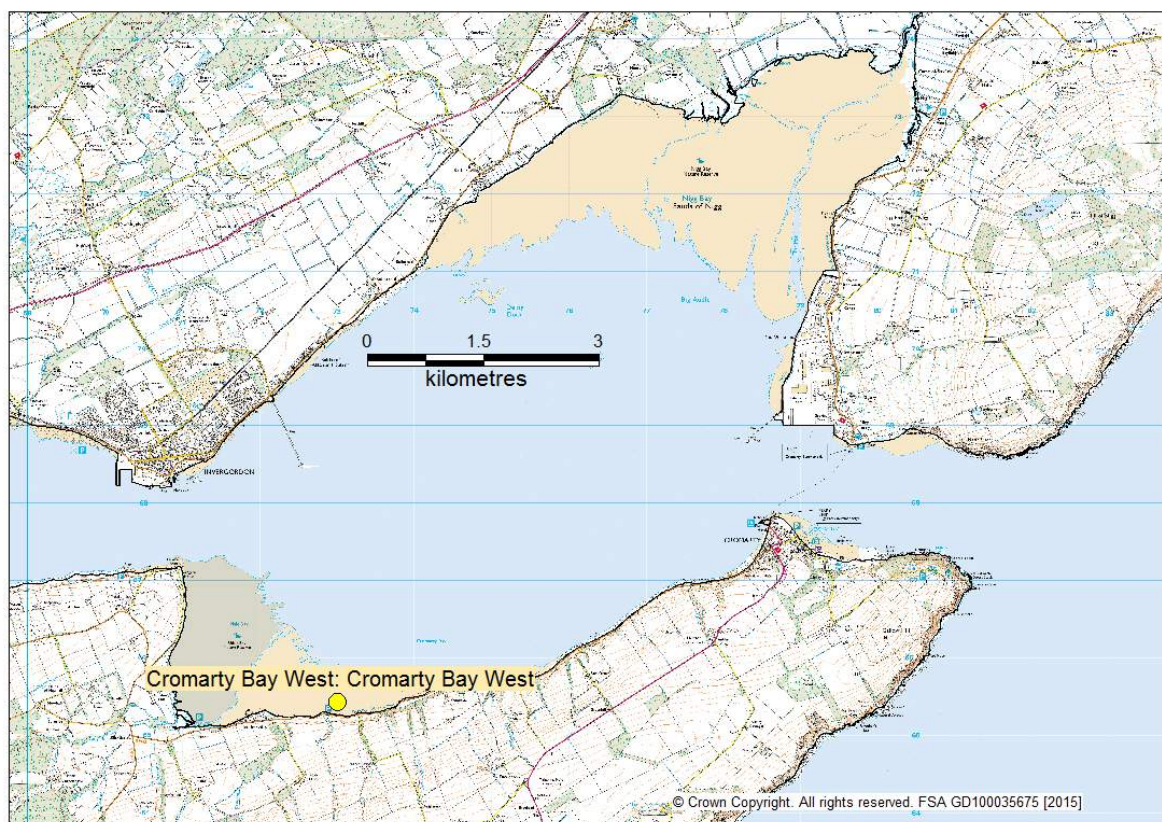
### 3.8.4 Little Loch Broom



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Ross & Cromarty	Little Loch Broom	Little Loch Broom	RC 110 247 08	Common mussels	NH05028983	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Little Loch Broom	45	<18	<18	20	45	20	1300	1100				

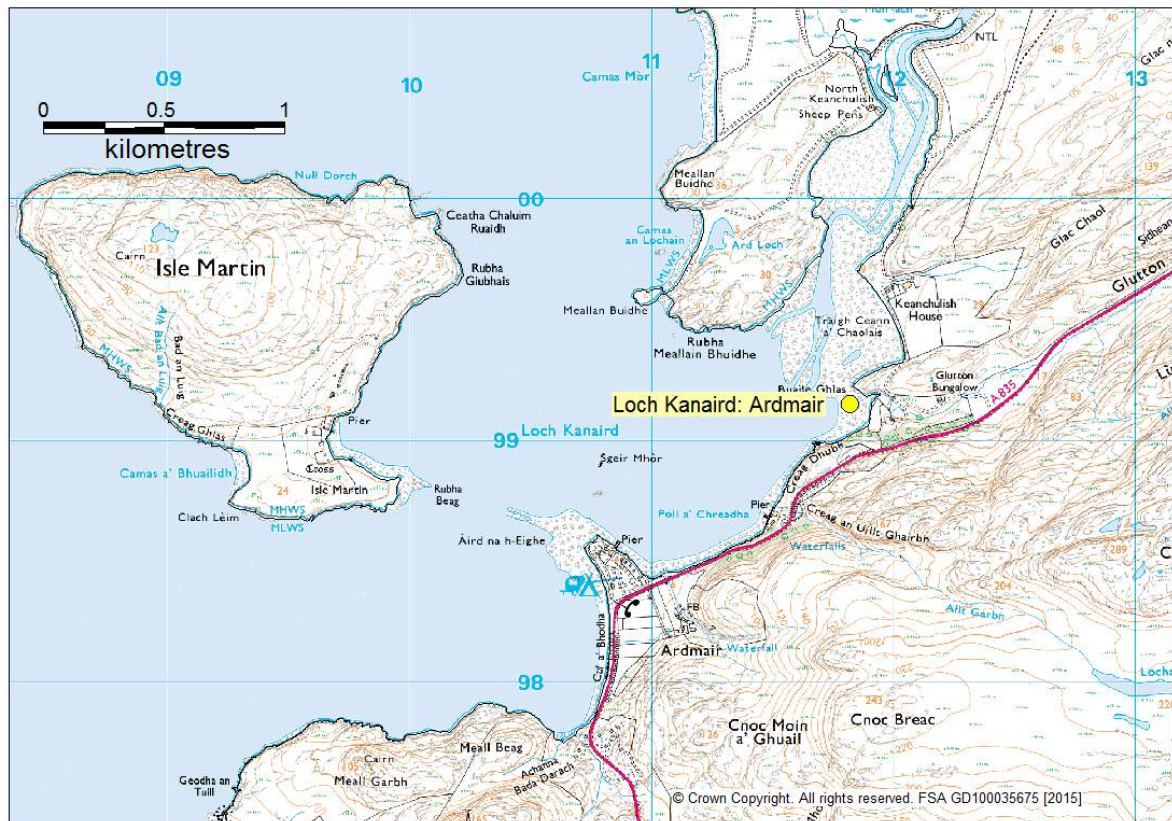
### 3.8.5 Cromarty Bay West



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Ross & Cromarty	Cromarty Bay West	Cromarty Bay West	RC 623 1225 13	Pacific oysters	NH73806546	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Cromarty Bay West	68	20	<18	20	<18	45	130	78	90	78		

### 3.8.6 Loch Kanaird

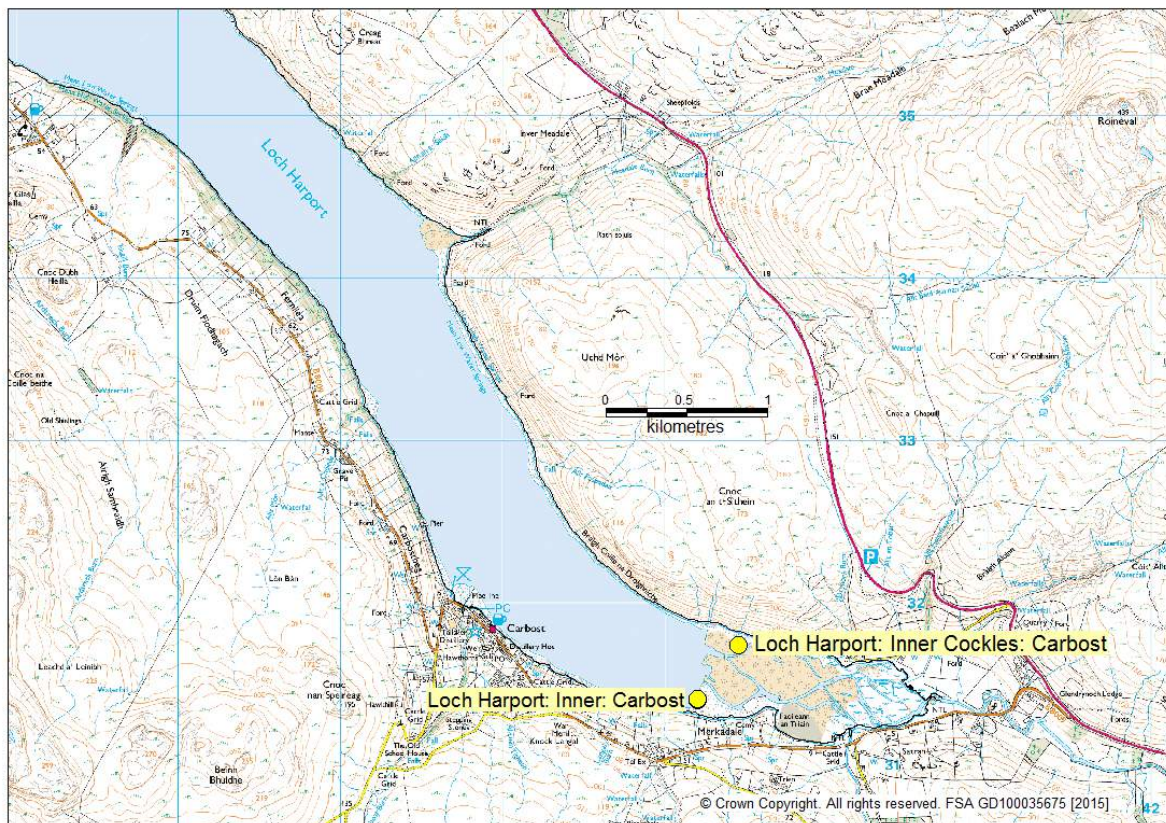


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Ross & Cromarty	Loch Kanaird: Ardair	Ardair	RC-625-1233-13	Pacific oysters	NH11749918	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ardair	140	68	<18	78	130	<18	1100	110	78	20	78	78

### 3.9 HIGHLAND COUNCIL: SKYE & LOCHALSH

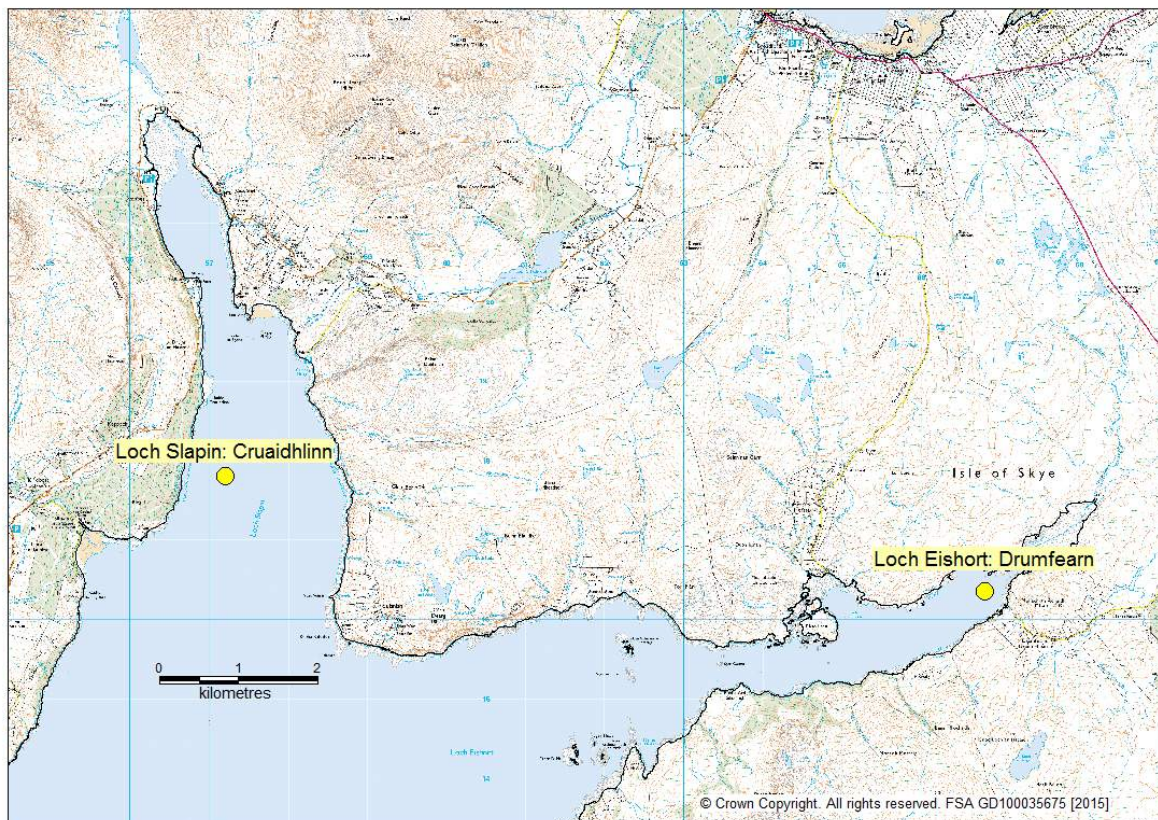
#### 3.9.1 Loch Harport



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Skye & Lochalsh	Loch Harport: Inner	Carbost	SL 159 286 13	Pacific oysters	NG39243138	A/B
Highland Council: Skye & Lochalsh	Loch Harport Inner Cockles	Carbost	SL 159 286 04	Common cockles	NG39443174	C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Carbost	790	230	130	20	330	230	5400	230	170	68	490	20
Carbost cockles	May				June			July				
	9200		3500		3500	3500	790	5400	5400		1300	
	August		September			October		November		December		
	2200	>18000	9000			1100		490		20		

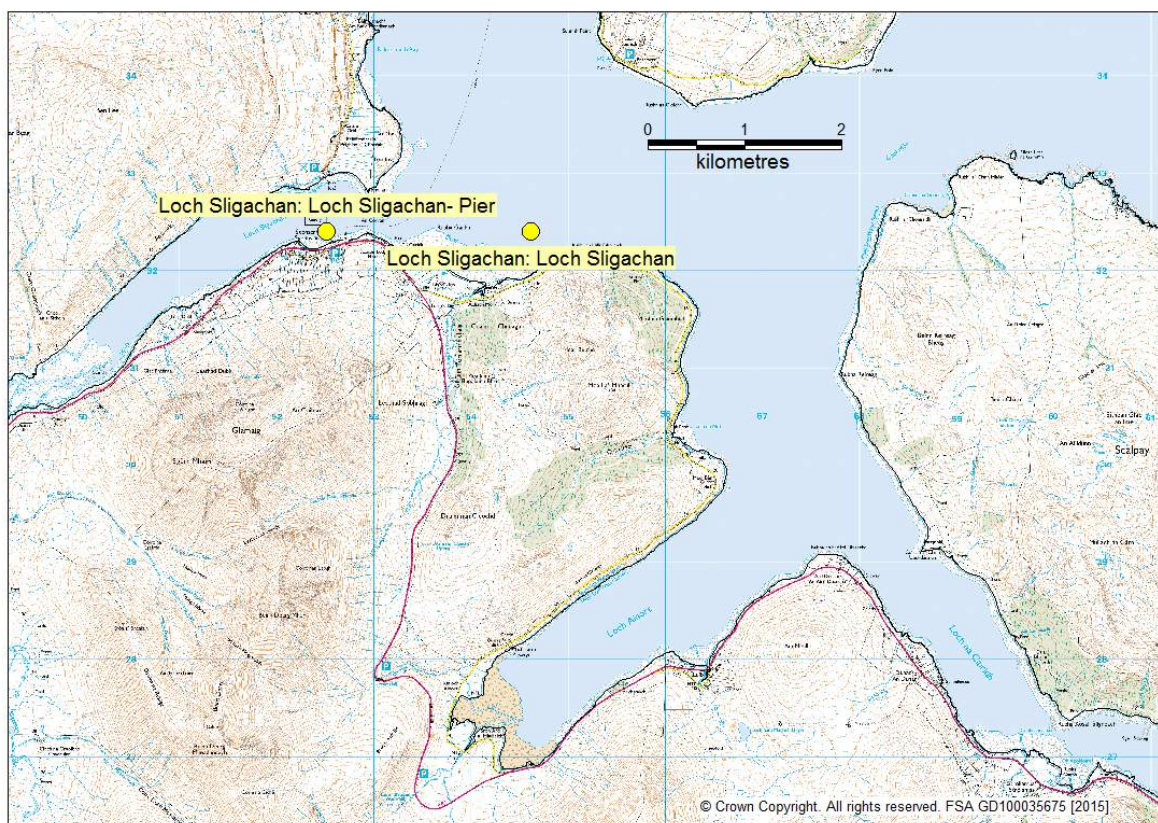
### 3.9.2 Loch Slapin and Loch Eishort



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Skye & Lochalsh	Loch Eishort	Drumfearn	SL 137 281 08	Common mussels	NG66441628	A
Highland Council: Skye & Lochalsh	Loch Slapin	Cruaidhlinn	SL 194 290 08	Common mussels	NG56941828	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Drumfearn	<18	<18	<18	<18	20	68	130	230	<18	<18	20	20
Cruaidhlinn		<18										

### 3.9.3 Loch Sligachan



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Skye & Lochalsh	Loch Sligachan	Loch Sligachan	SL 195 291 07	King scallops	NG52163237	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Sligachan	<18	<18	<18	<18	20	940	170	20	330	330	20	270

### 3.9.4 Loch Bay

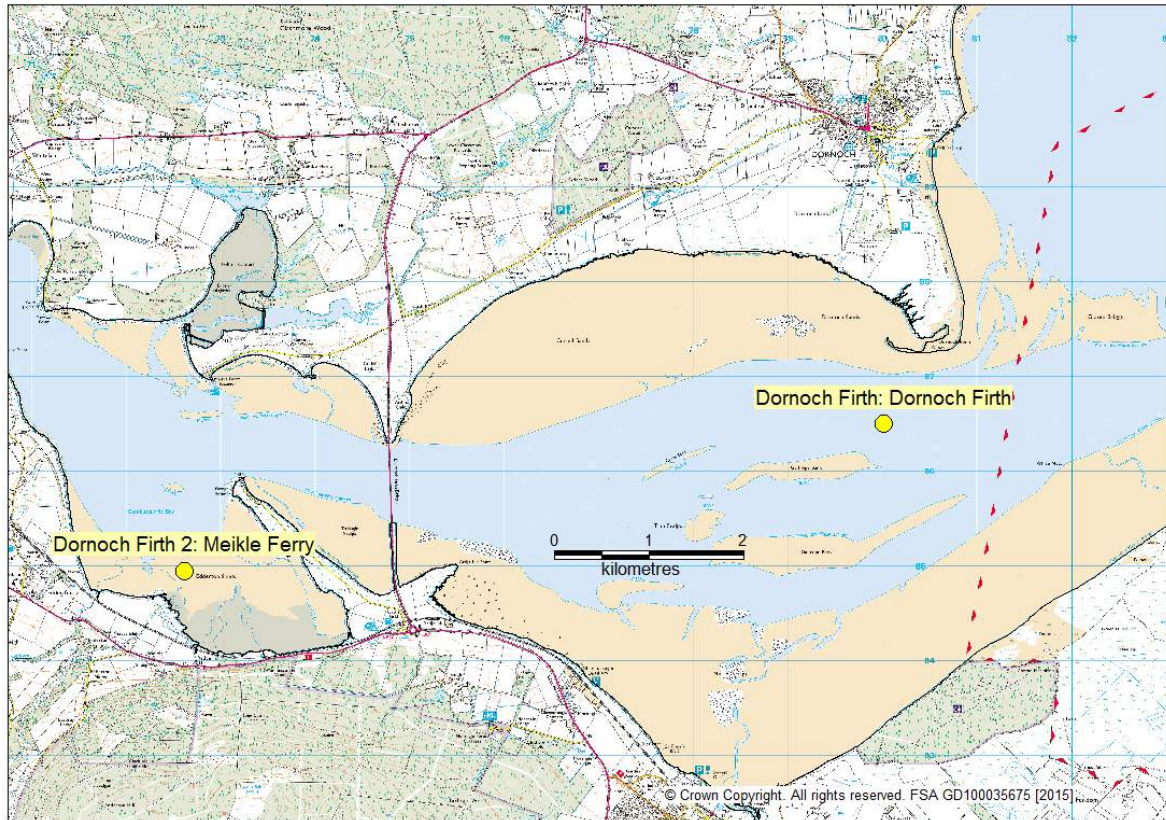


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Skye & Lochalsh	Loch Bay	Loch Bay	SL 117 275 04	Common cockles	NG26375415	B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Bay	78	<18										

### 3.10 HIGHLAND COUNCIL: SUTHERLAND

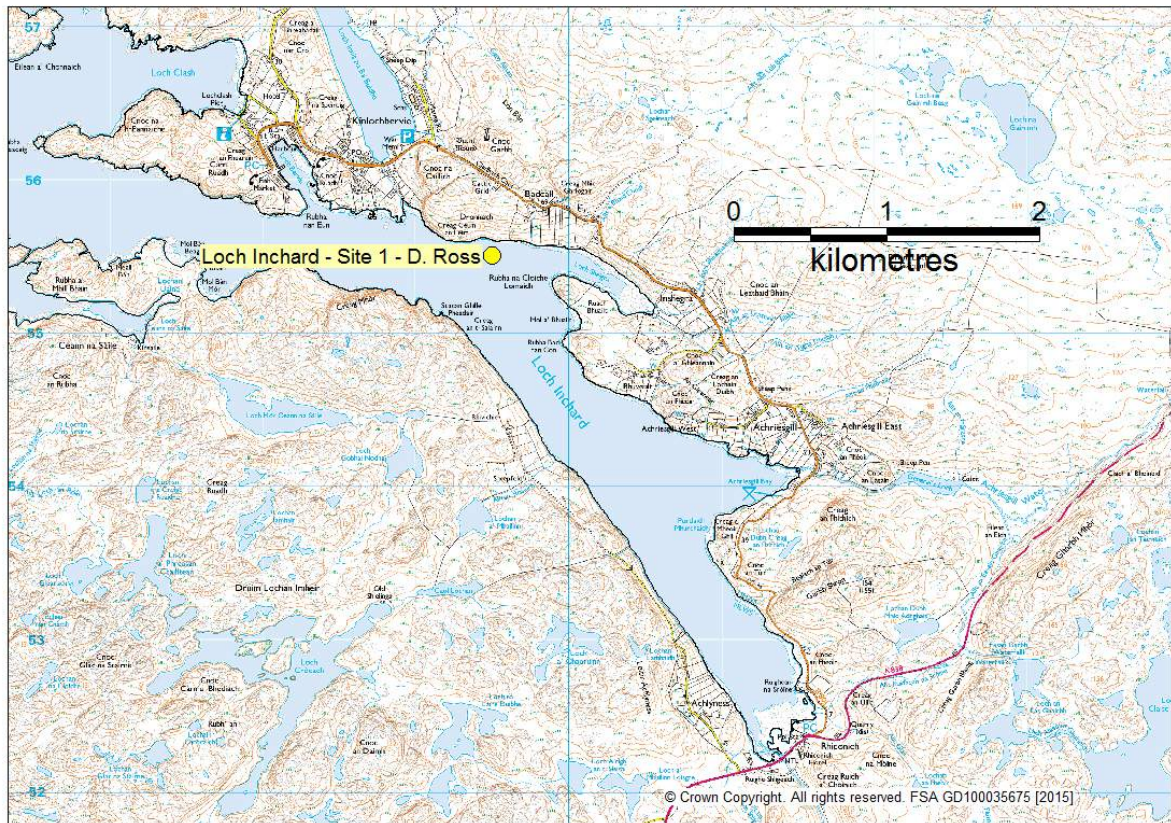
#### 3.10.1 Dornoch Firth



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Dornoch Firth	Dornoch Firth	HS 054 239 08	Common mussels	NH77528495	A/B
Highland Council: Sutherland	Dornoch Firth 2	Meikle Ferry	HS 466 876 08	Common mussels	NH72608580	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Dornoch Firth	68	130	78	40	130	110	490	3500	78	20	790	78
Meikle Ferry	20	170	45	45	40	78	490	1300	330	45	490	330

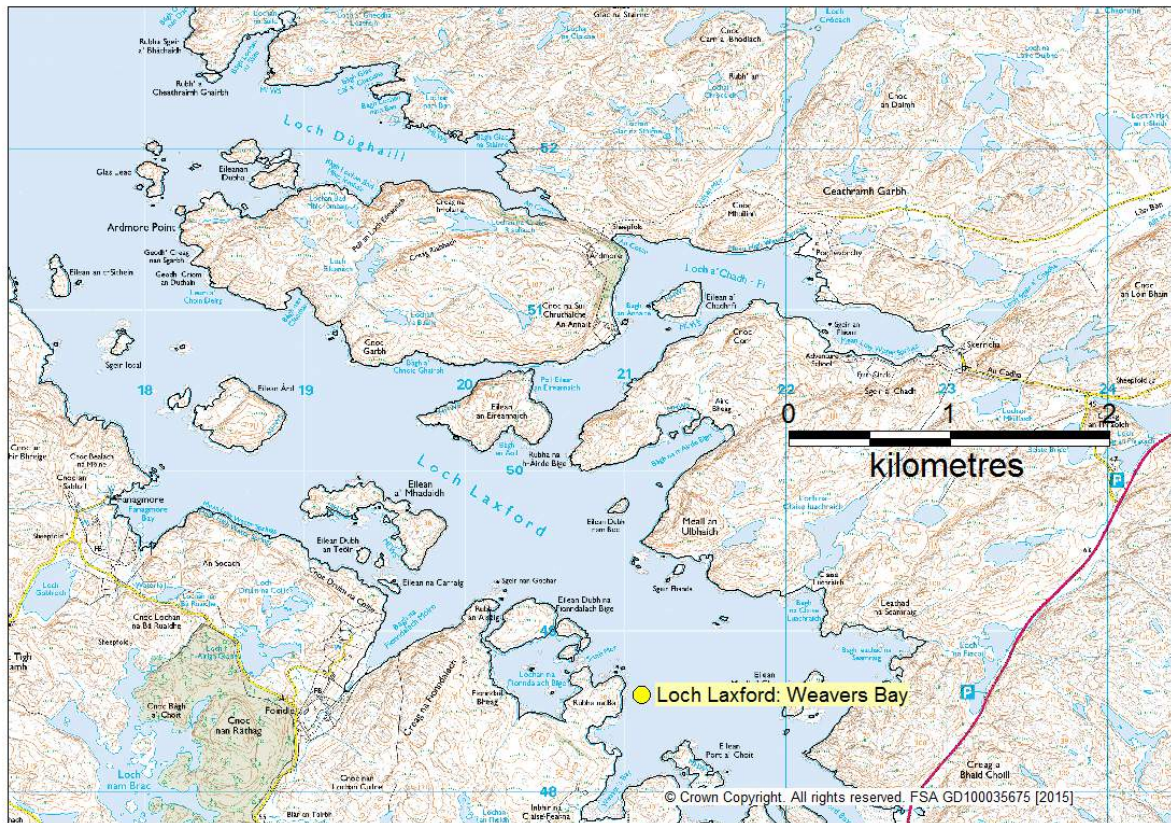
### 3.10.2 Loch Inchard



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Loch Inchard	Loch Inchard - Site 1 - D. Ross	HS 162 311 08	Common mussels	NC23755552	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Inchard - Site 1 - D. Ross	330	<18	78	230	78	78	3500	3500	230	5400	130	110

### 3.10.3 Loch Laxford



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Loch Laxford	Weavers Bay	HS 167 320 08	Common mussels	NC20995115	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Weavers Bay	<18	<18	20	130	78	<18	20	68	20	130	18	130

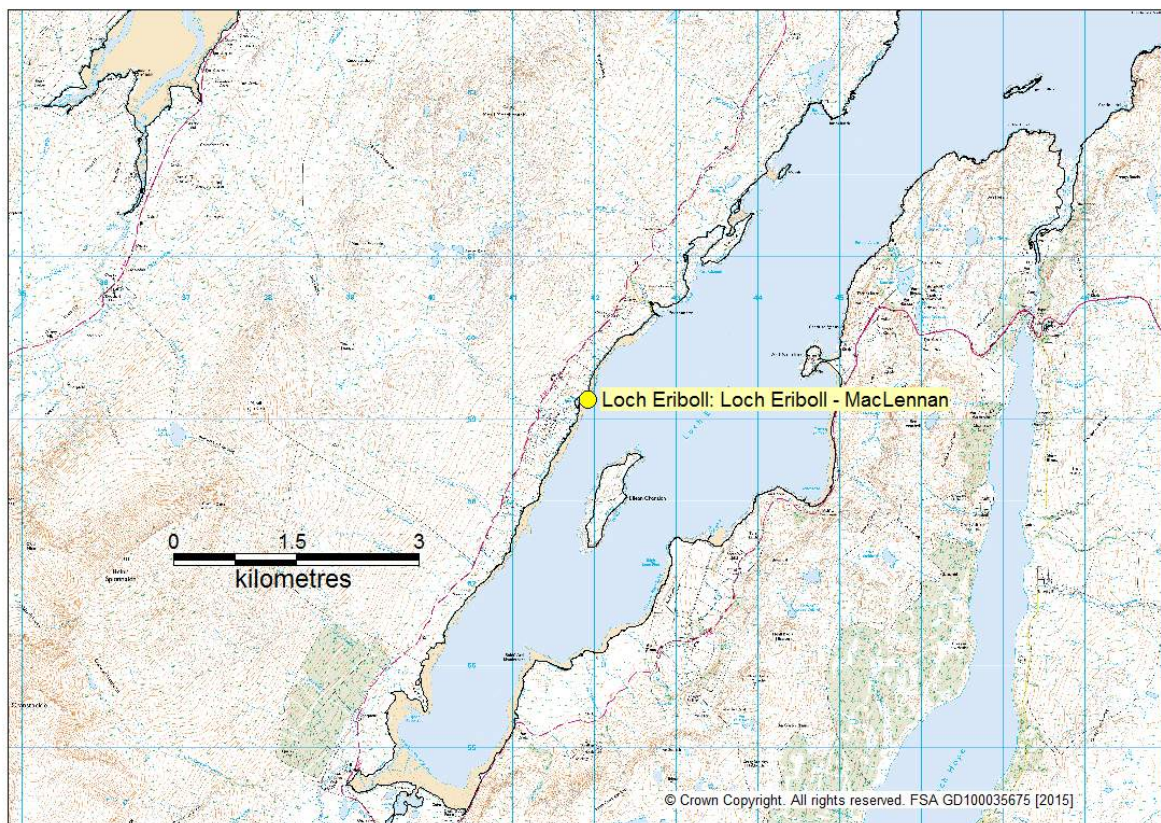
### 3.10.4 Loch Glencoul



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Loch Glencoul	Kylesku	HS 157 310 08	Common mussels	NC240 73406	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Kylesku	<18	<18	20	<18	<18	20	490	78	45	78	20	20

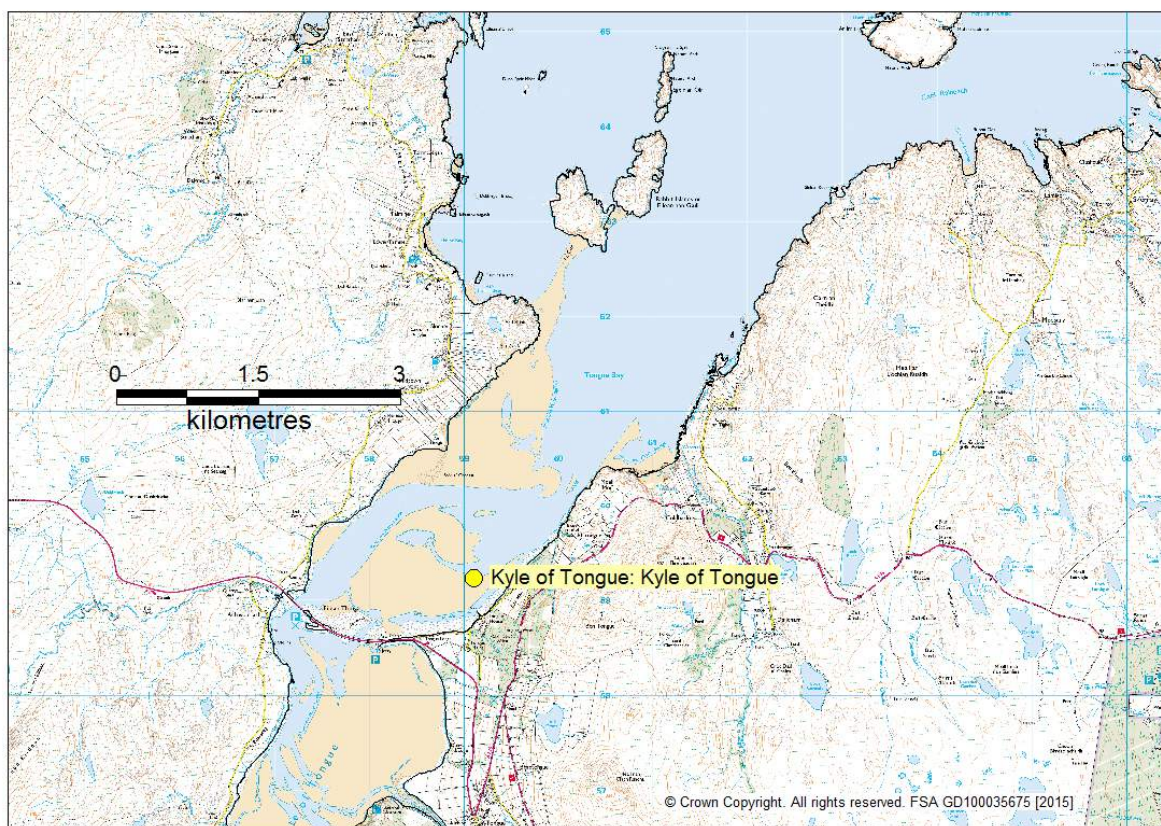
### 3.10.5 Loch Eribol



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Loch Eriboll	Loch Eriboll - MacLennan	HS 139 307 08	Common mussels	NC41885923	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Loch Eriboll - MacLennan	330	78	<18	20	<18	<18	45	110	<18		130	45

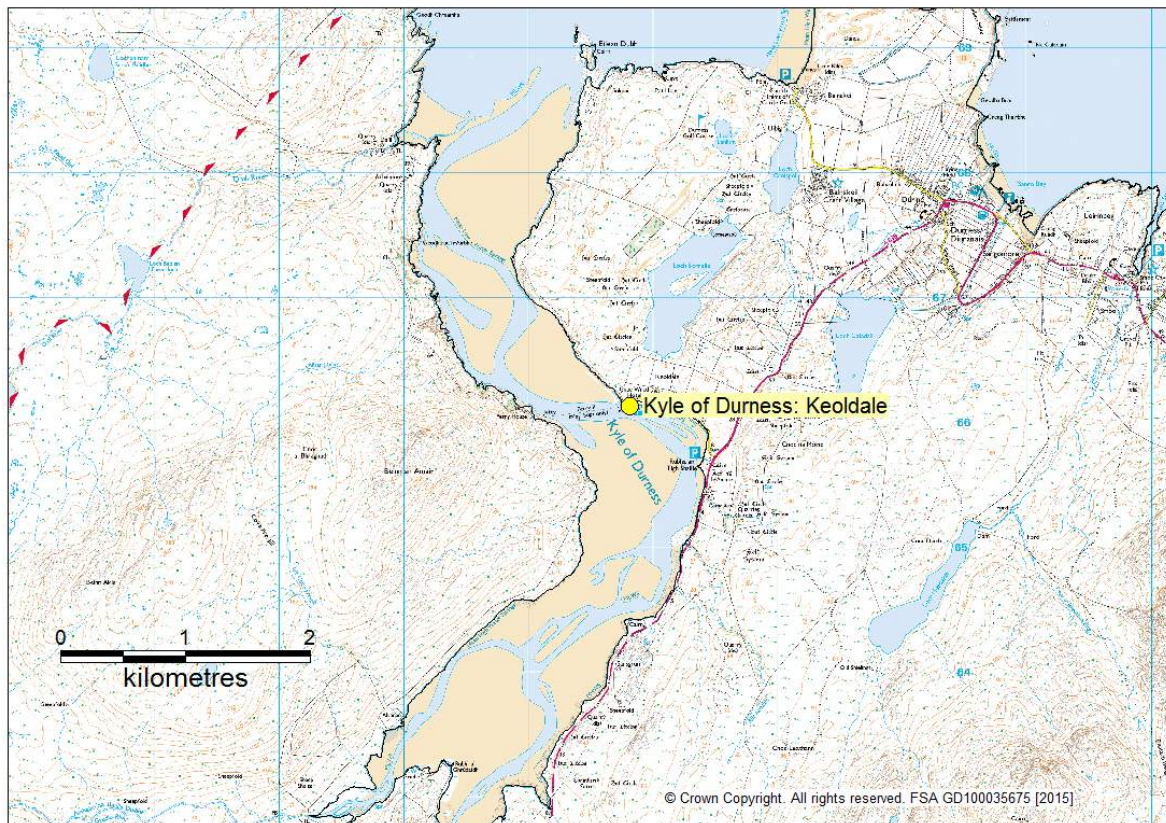
### 3.10.6 Kyle of Tongue



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Kyle of Tongue	Kyle of Tongue	HS 103 303 13	Pacific oysters	NC59135900	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Kyle of Tongue	20	110	78	20	20	<18	68	68	<18	<18	45	<18

### 3.10.7 Kyle of Durness



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Highland Council: Sutherland	Kyle of Durness	Keoldale	HS 7331984 13	Pacific Oyster	NC37246663	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Keoldale											330	170

### 3.11 NORTH AYRSHIRE COUNCIL

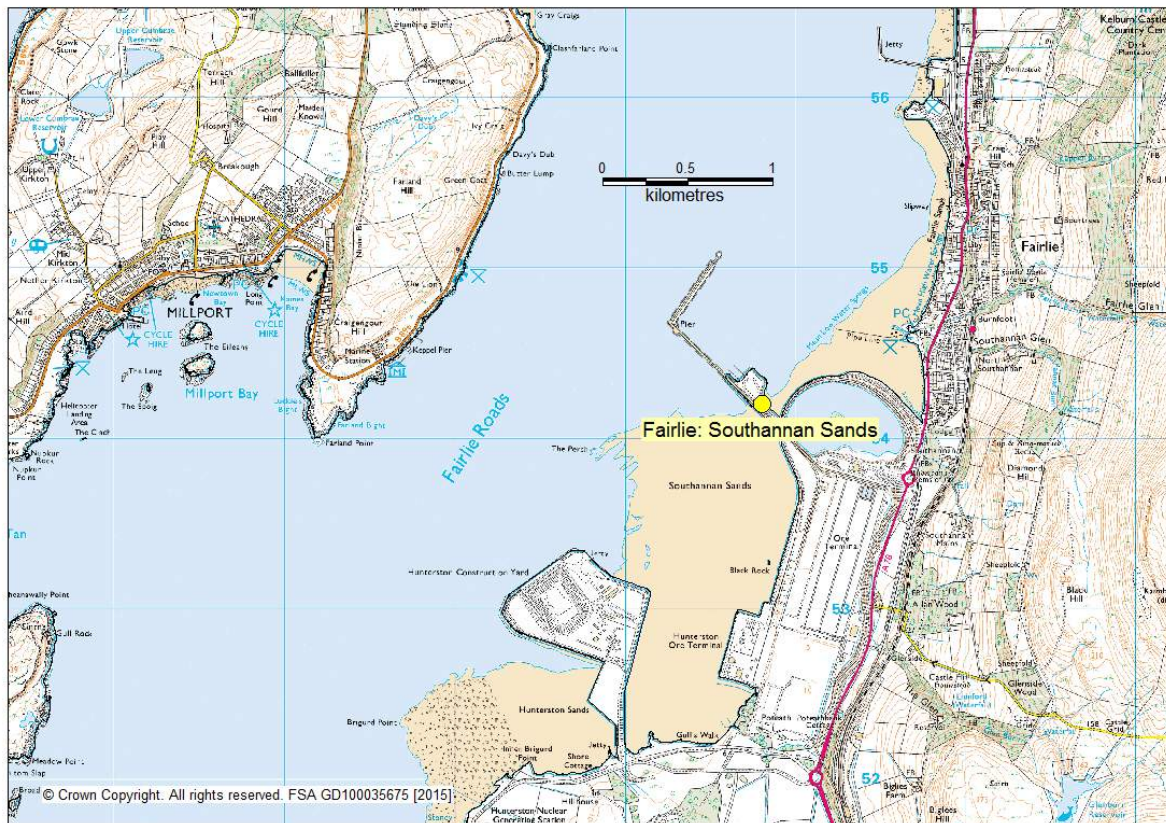
#### 3.11.1 Arran



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
North Ayrshire Council	Arran: Lamlash Bay	Lamlash Bay	NA 007 329 08	Common mussels	NS03413003	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Lamlash Bay	45	68	45	20	330	75	20	130	<18	700	<18	230

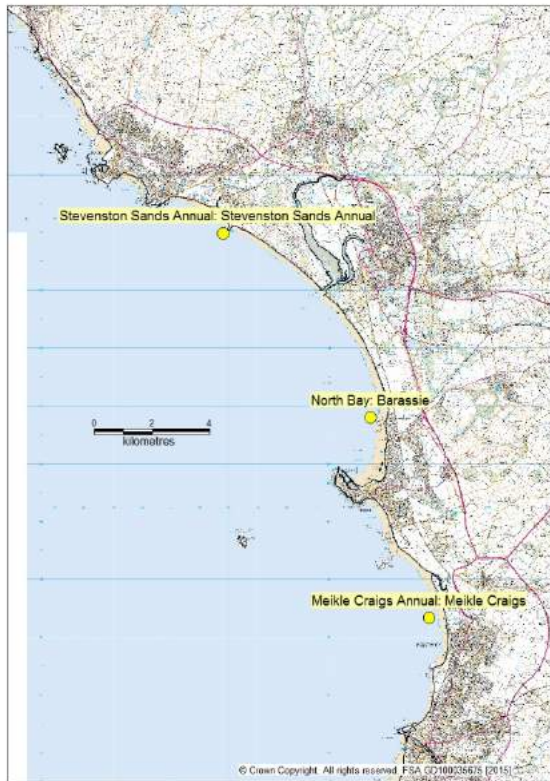
### 3.11.2 Fairlie



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
North Ayrshire Council	Fairlie	Southannan Sands	NA 065 332 13	Pacific oysters	NS19975437	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month													
	Jan	Feb	March		Apr	May	June	July	Aug	Sept	Oct	November		Dec
Southannan Sands	78	78	130	68		330	<18	1300	460	78	130	20	330	

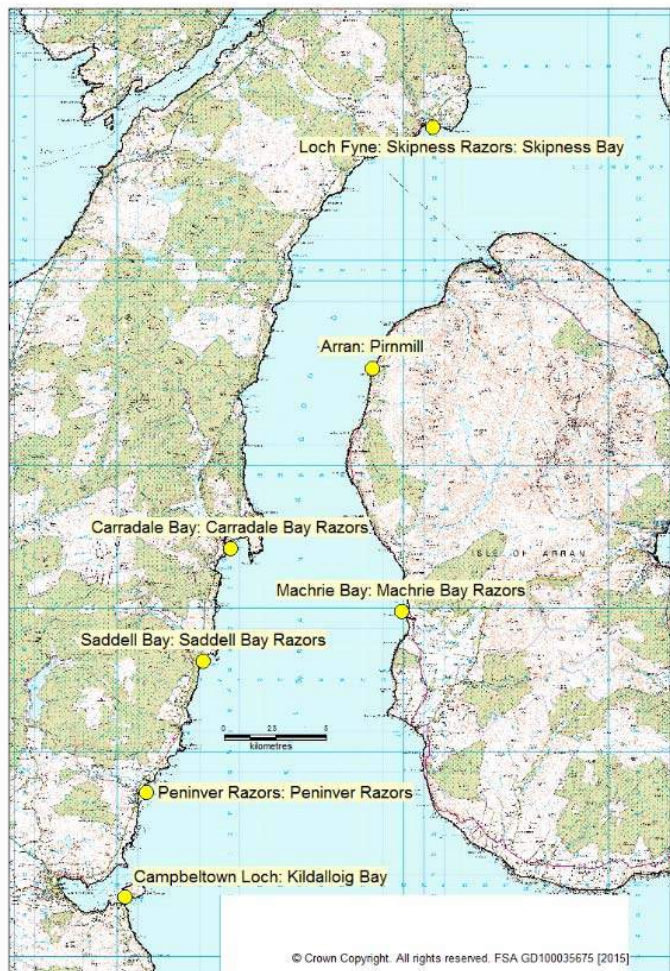
### 3.11.3 Steventon Sands



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
North Ayrshire council	Steventon Sands Annual	Steventon Sands Annual	NA 207 1238 23	Wedge Clams	Area between NS26604025 NS27403880 NS27103940 NS26303983	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month				
	Jan	Feb	March	April	May
Steventon Sands Annual	790	<18	110	<18	16000

### 3.11.4 Kilbrannon Sound

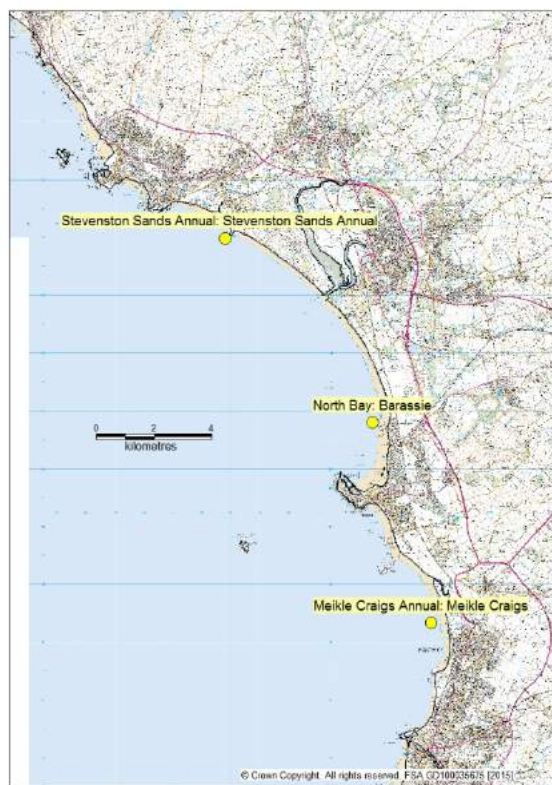


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
North Ayrshire Council	Machrie Bay	Machrie Bay Razors	AB 510 929 16	Razors	NR88903385	A
North Ayrshire Council	Arran: Pirnmill	Pirnmill	NA 008 330 16	Razors	NR87004400	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Machrie Bay Razors	78	<18			<18		790	45		<18	230	<18
Arran: Pirnmill	68	<18			<18		1100	20		<18	<18	

### 3.12 SOUTH AYRSHIRE COUNCIL

#### 3.12.1 North Bay and Meikle Craigs



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
South Ayrshire Council	North Bay	Barassie	SA 337 719 16	Razors	NS31833419	A/B
South Ayrshire Council	North Bay	Meikle Craigs	SA 643 1316 16	Razors	NS3430 2637	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	April			May	June	July	Aug	Sept		Oct	Nov		Dec
Barassie	20	<18	20	<18	<18	1100	<18	20	93	45	<18	20	
Meikle Craigs	<18			<18	<18	1400	<18	20		1700	78	<18	

### 3.12.2 Firth of Clyde – Croy Bay

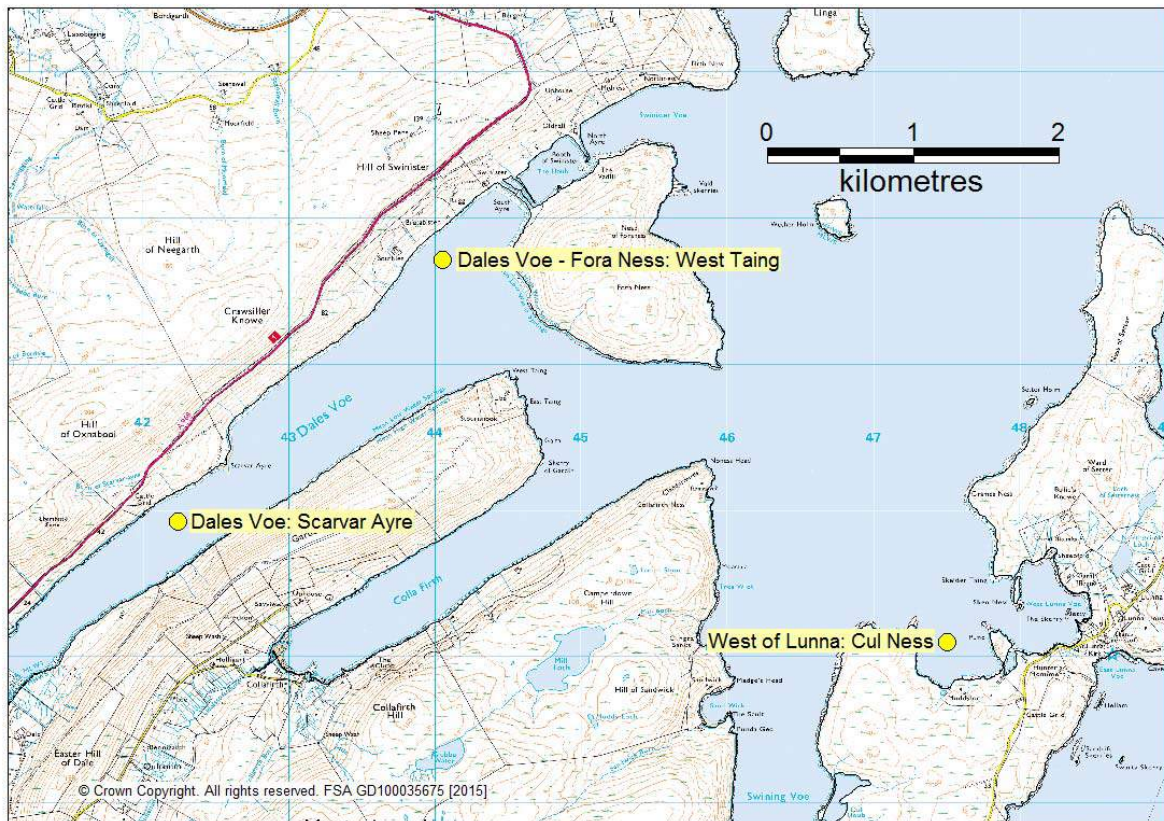


Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
South Ayrshire Council	Croy Bay	Culzean Bay	SA 681 1482 16	Razors	NS23081030 NS24411206 NS24171089 NS23081030	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month									
	Feb	March	April			May		June		
Culzean Bay	<18	20	<18	<18	<18	<18	<18	<18	20	<18
	July	August	September			October		November		
	1700	<18	78			460		20	68	

### 3.13 SHETLAND ISLANDS COUNCIL

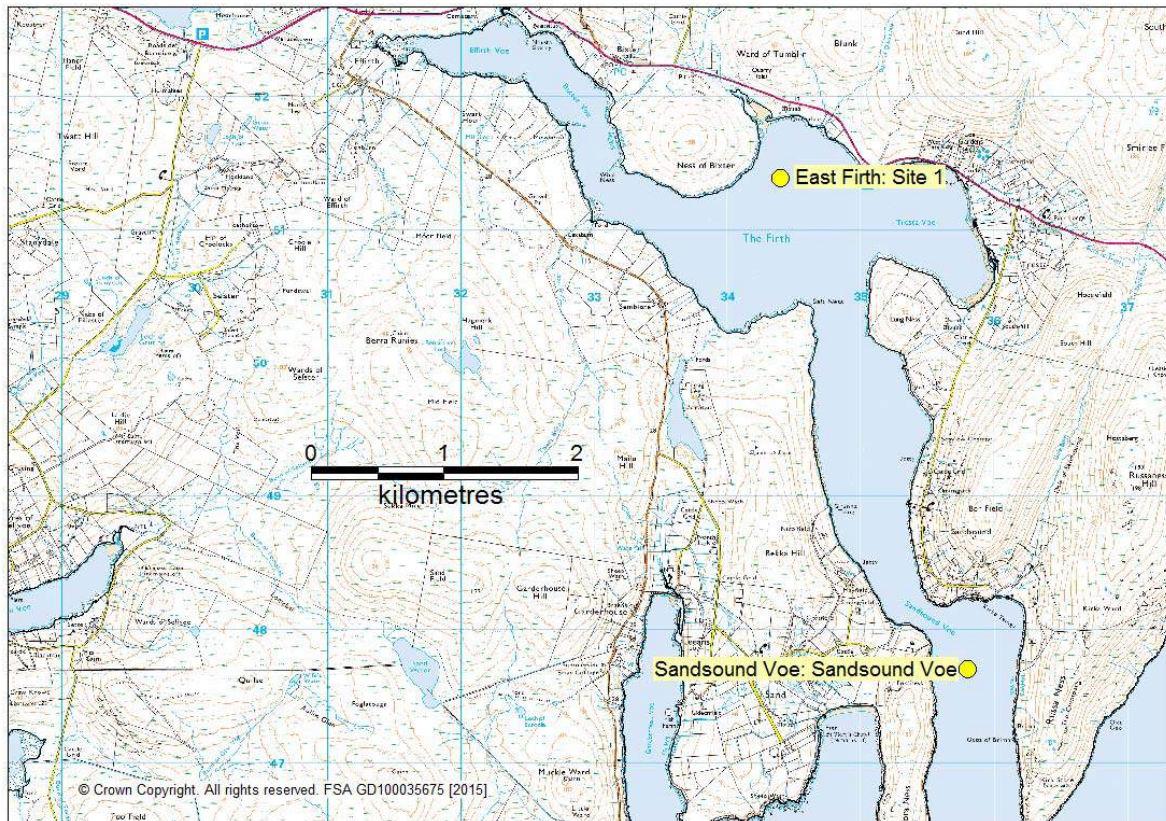
#### 3.13.1 Dales Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Dales Voe: Scarvar Ayre	Scarvar Ayre	SI 050 420 08	Common mussels	HU42236992	A/B
Shetland Islands Council	West of Lunna	Cul Ness	SI 380 770 08	Common mussels	HU47596935	A
Shetland Islands Council	Dales Voe – Fora Ness	West Taing	SI 502 869 08	Common mussels	HU44057171	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Scarvar Ayre	20	20	18	<18	<18	<18	170	45	170	45	<18	20
Cul Ness		230	<18	<18	20		45	5400				20
West Taing	20	20	20	<18	<18	<18	45	68	<18	78	<18	<18

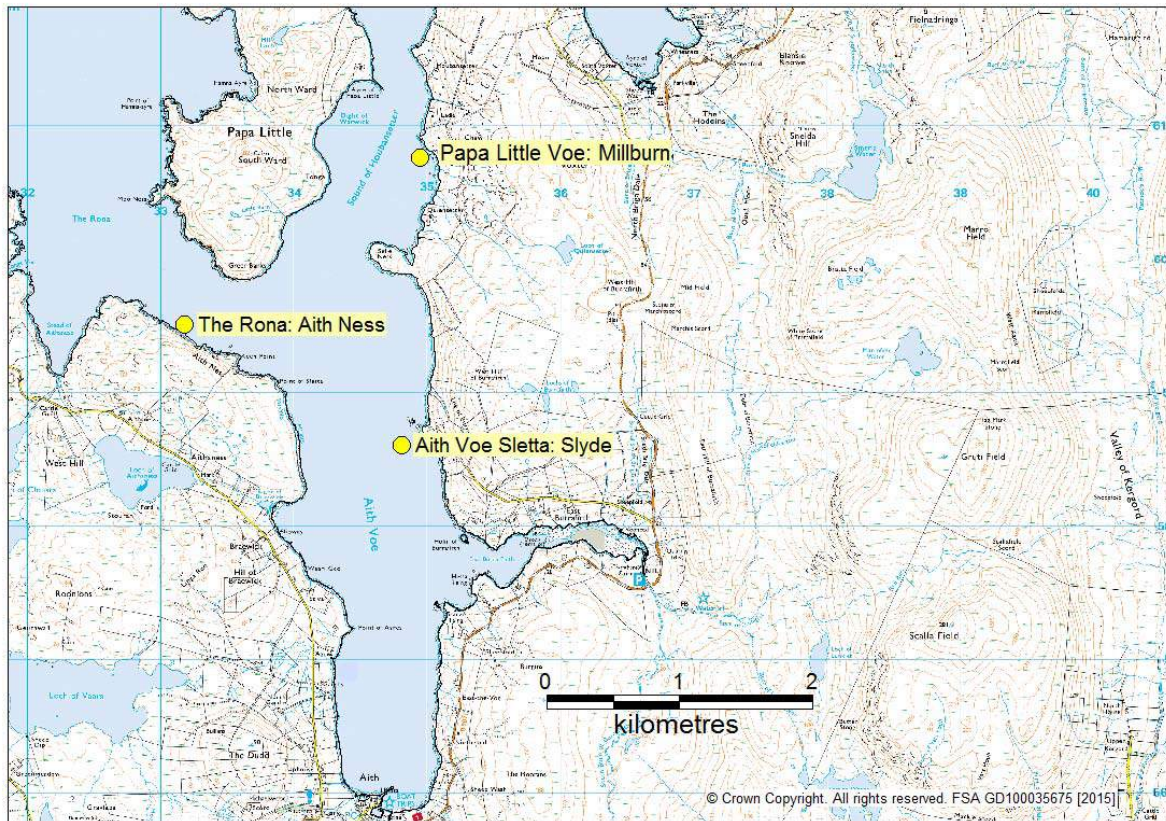
### 3.13.2 Sandsound Voe and East Firth



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Sandsound Voe	Sandsound Voe	SI 242 443 08	Common mussels	HU35154988	A
Shetland Islands Council	East Firth	Site 1	SI 379 769 08	Common mussels	HU34255124	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Sandsound Voe	68	20	40	40	<18	170	3500	78	78	<18	130	93
Site 1	<18											

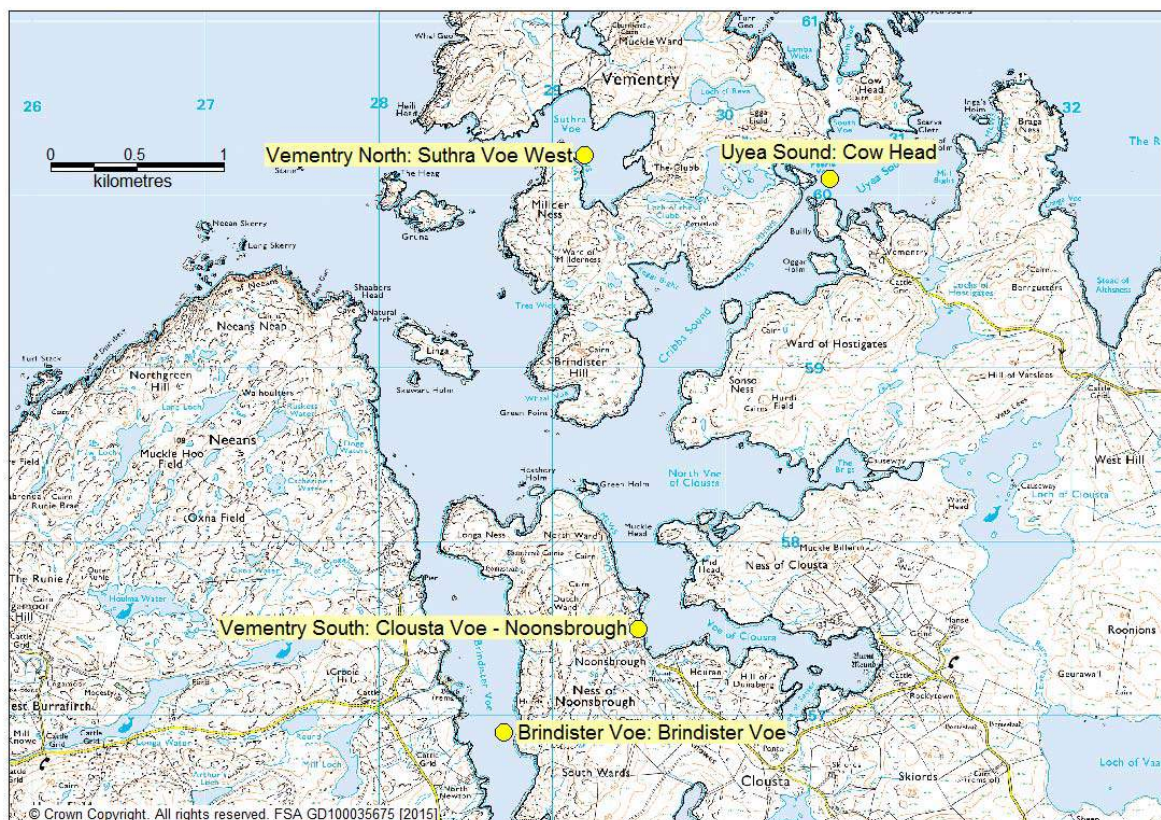
### 3.13.3 Papa Little Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Papa Little Voe	Papa Little Voe Millburn	SI 235 1350 08	Common mussels	HU34906061	A/B
Shetland Islands Council	Aith Voe Sletta	Slyde	SI 326 733 08	Common mussels	HU34825870	A/B
Shetland Islands Council	The Rona	Aith Ness	SI 517 944 08	Common mussels	HU33145948	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Papa Little Voe Millburn	20	20	<18	<18	<18	20	45	<18	20	<18	20	110
Slyde	78	220	20	<18	<18	110	490	<18	<18	<18	20	20
Aith Ness	45	78	<18	20	<18	45	270	45	<18	<18	<18	<18

### 3.13.4 Vementry



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Vementry South	Clousta Voe Noonsborough	SI 321 459 08	Common mussels	HU29485786	A
Shetland Islands Council	Vementry North	Suthra Voe West	SI 322 464 08	Common mussels	HU29196023	A
Shetland Islands Council	Brindister Voe	Brindister Voe	SI 023 406 08	Common mussels	HU28775648	A
Shetland Islands Council	Uyea Sound	Cow head	SI 441 845 08	Common mussels	HU30716030	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Clousta Voe Noonsborough	<18	260	<18	<18	<18	<18	45	<18	<18	20	130	45
Suthra Voe West	330	220	20	170	93	230	2400	20	48	78	68	78
Brindister Voe	20	230	45	40	<18	78	45	20	<18	20	2800	
Cow Head	330	45	<18	<18	<18	20	<18	20	490	20	<18	<18

### 3.13.5 Stromness Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Stromness Voe	Burra Holm	SI 273 467 08	Common mussels	HU38574556	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Burra Holm	78	1700	170	230	<18	<18	20	330	<18	20	<18	<18

### 3.13.6 South Voe and South of Houss Holm



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	South of Houss Holm	South of Houss Holm	SI 261 444 08	Common mussels	HU37343083	A/B
Shetland Islands Council	South Voe Mussels	South Voe Mussels	SI 421 825 08	Common mussels	HU37243204	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec
South of Houss Holm	230	130	<18	20	45	20	45	20	<18	<18	220	230
South Voe Mussels	130	20	45	<18	<18	78	<18	20	78	110	330	78

### 3.13.7 Gruting Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Gruting Voe: Browland Voe	Browland Voe	SI 081 425 08	Common mussels	HU26674969	A
Shetland Islands Council	Gruting Voe: Seli Voe	Seli Voe	SI 084 428 08	Common mussels	HU28164799	A
Shetland Islands Council	Gruting Voe: Quilse	Quilse	SI 083 427 08	Common mussels	HU26914874	A
Shetland Islands Council	Gruting Voe: Braewick Voe	Braewick Voe	SI 080 424 08	Common mussels	HU25784770	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec
Browland Voe	45	<18	<18	<18	40	<18	<18	45	330	330	130	78
Seli Voe	45	78	<18	20	<18	140	78	20	20	68	130	130
Quilse	45	<18	<18	<18	<18	45	170	<18	40	230	170	460
Braewick Voe	<18	20	45	45	<18	45	20	<18	20	78	40	78

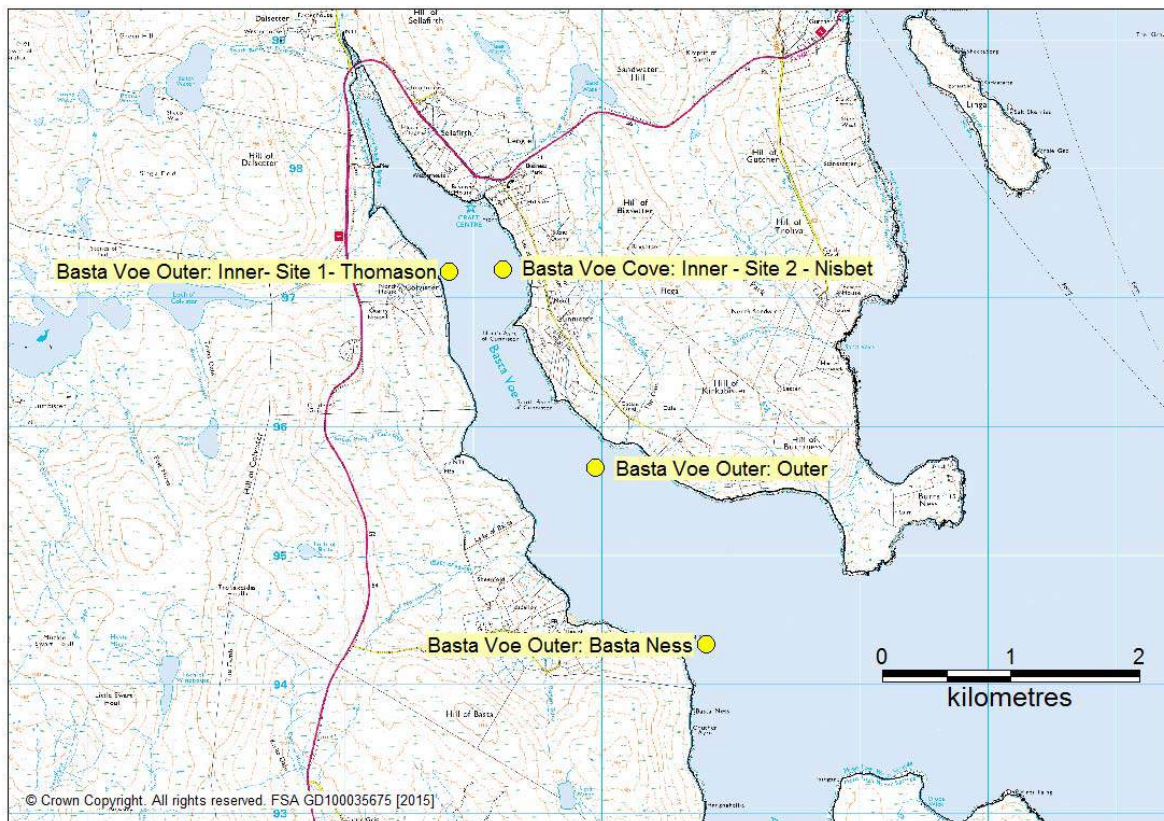
### 3.13.8 Busta Voe Lee



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Busta Voe Lee South	Greentaing	SI 328 767 08	Common mussels	HU34416425	A
Shetland Islands Council	Busta Voe Lee North	Hevden Ness	SI 327 755 08	Common mussels	HU35736615	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov		Dec
Greentaing	170	45	<18	20	<18	<18	330	<18	78	220	170	330	
Hevden Ness	78	78	130	130	<18	330	45	<18	20	78	330	1300	

### 3.13.9 Basta Voe Outer/Cove



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Basta Voe Outer	Outer Basta Ness *	SI 323 403 08 SI 323 396 08	Common mussels	HU52959568	A
Shetland Islands Council	Basta Voe Cove	Inner - Site 2 – Nisbet * Inner Site 1 - Thomason	SI 324 400 08 SI 324 399 08	Common mussels	HU51719758	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Outer, and Basta Ness *	<18	<18	<18	20	78	45	170	20 *	130	110	330	20
Inner Site 1- Thomasson Inner - Site 2 – Nisbet *	230*	<18*	18*	45*	460*	490	170	40	710	170	330	20

### 3.13.10 Clift Sound



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Clift Sound: Stream Sound	Stream Sound East Hagaland	SI 037 415 08 SI 035 414 08	Common mussels	HU39143336	A
Shetland Islands Council	Clift Sound: Booth	Booth	SI 036 413 08	Common mussels	HU40153777	A
Shetland Islands Council	Lang Sound	Lang Sound	SI 107 429 08	Common mussels	HU37903409	A/B
Shetland Islands Council	Stream Sound: Ux Ness	Easterdale	SI 373 1096 08	Common mussels	HU38213536	A
Shetland Islands Council	Clift Sound: Whal Wick	Wester Quarff	SI 038 416 08	Common mussels	HU40183532	A
Shetland Islands Council	Clift Sound Houss	Clift Sound Houss	SI 633 1270 08	Common mussels	HU38573195	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
East Hagaland	78	20	45	<18	<18	140	45	45	20	45	<18	78
Booth	130	230	20	<18	220	<18	130	78	2400	170	93	170
Lang Sound	230	170	220	78	78	68	120	330	78	230	45	330
Easterdale	68	330	20	20	45	45	130	45	78	490	<18	330
Wester Quarff	130	20	<18	<18	78	<18	<18	20	<18	110	20	45
Clift Sound Houss	68	170	20	<18	45	<18	78	20	45	20	<18	20

### 3.13.11 Vaila Sound



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Vaila Sound: Riskaness	Riskaness	SI 289 458 08	Common mussels	HU23104830	A
Shetland Islands Council	East of Linga and Galtaskerry	Whitesness	SI 288 1061 08	Common mussels	HU24394706	A
Shetland Islands Council	Vaila Sound	Linga	SI 288 457 08	Common mussels	HU23934842	A

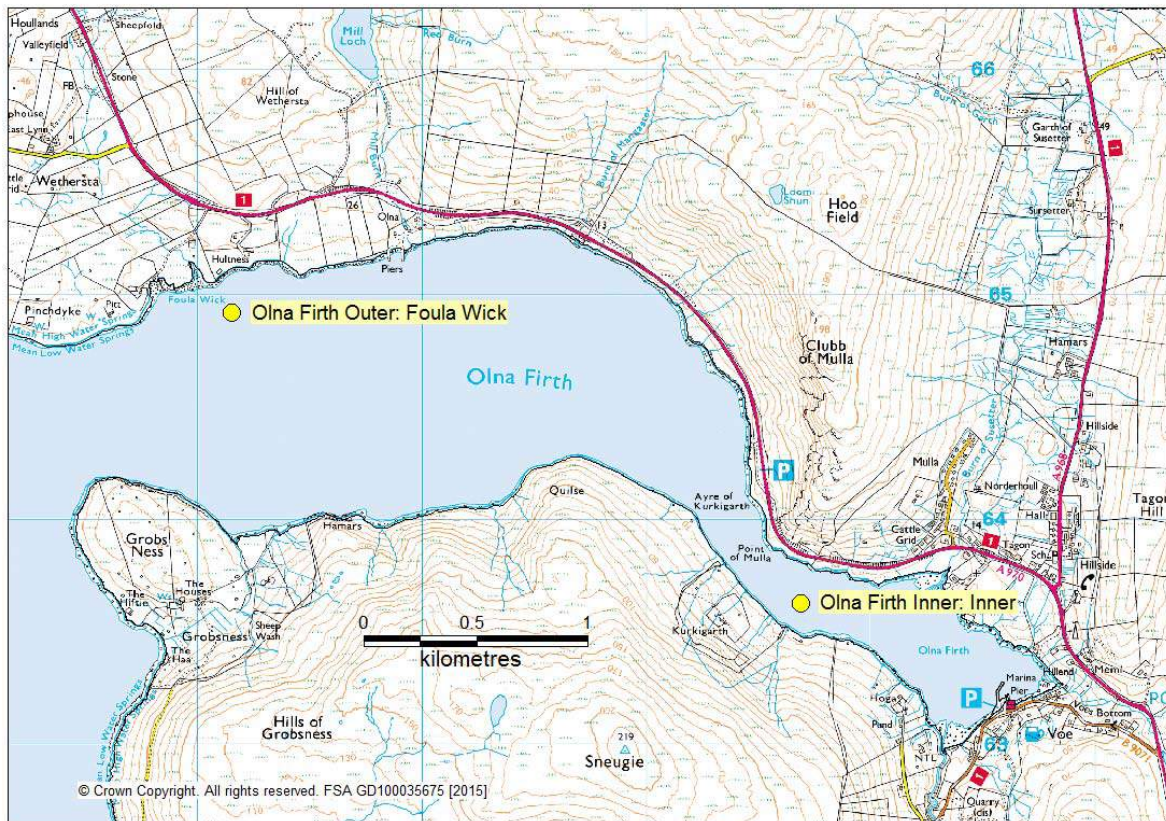
Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Riskaness	20	78	<18	<18	<18	18	45	230	78	260	110	330
Whitesness	20	78	<18	20	20	330	<18	20	<18	<18	20	220
Linga	78	45	<18	<18	45	20	<18	45	230	45	110	78



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Baltasound Mussels	Baltasound Harbour	SI 010 395 08	Common mussels	HP64510890	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Baltasound Harbour	68	130	<18	170	45	20	130	<18	45	68	490	230

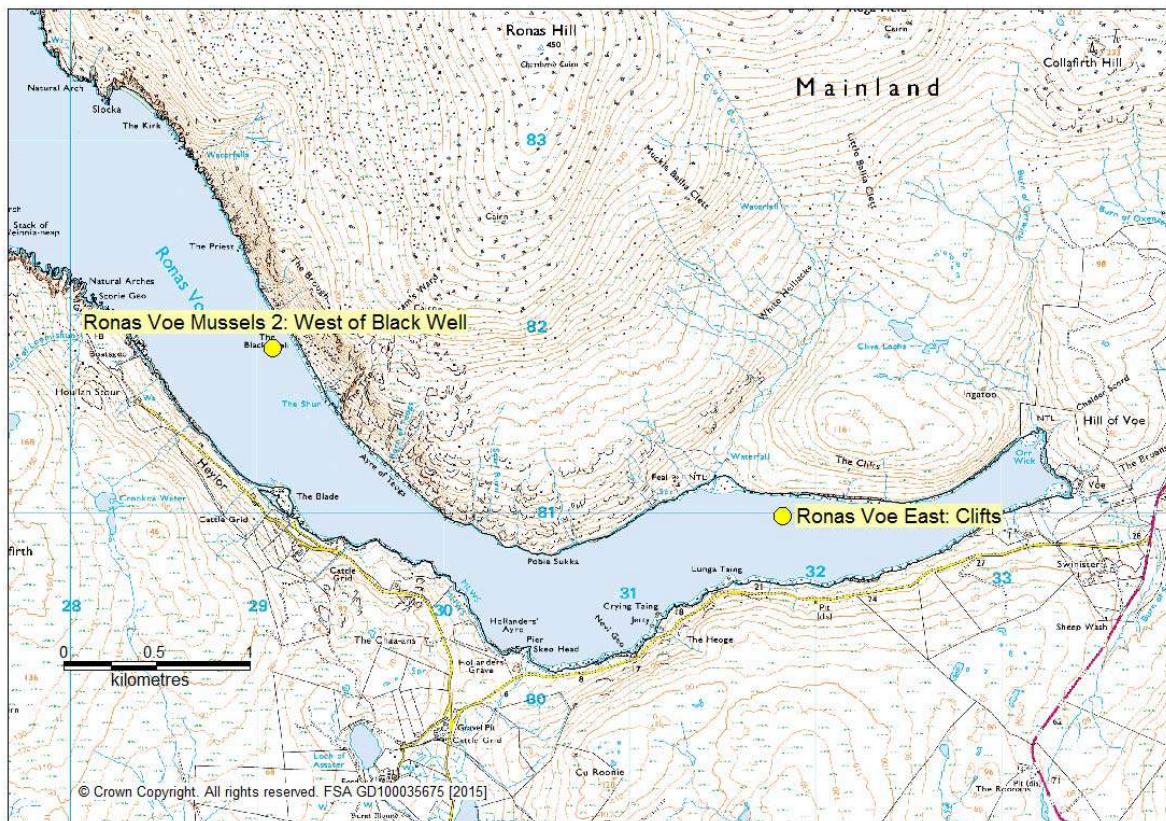
### 3.13.13 Olna Firth



Local Authority	Producti on Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Olna Firth Outer	Foula Wick	SI 232 434 08	Common mussels	HU 37146492	A
Shetland Islands Council	Olna Firth Inner	Inner	SI 232 435 08	Common mussels	HU 39686363	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Foula Wick	45	20	330	20	<18	<18	45	45	<18	<18	20	45
Inner	<18	78	20	18	78	230	490	78	<18	<18	20	45

### 3.13.14 Ronas Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Ronas Voe East	Cliffs	SI 523 919 08	Common mussels	HU31778093	A
Shetland Islands Council	Ronas Voe Mussels 2	West of Black Well	SI 522 918 08	Common mussels	HU29088188	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Cliffs	<18	20	20	<18	20	20	<18	<18	20	<18	20	78
West of Black Well	78	130	<18	20	<18	68	45	<18	20	<18	<18	20

### 3.13.15 Roe Sound



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Roe Sound	Ness of Hull	SI 334 715 08	Common mussels	HU32656698	A/B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ness of Hull	45	78	<18	<18	<18	20	330	<18	45	20	1100	

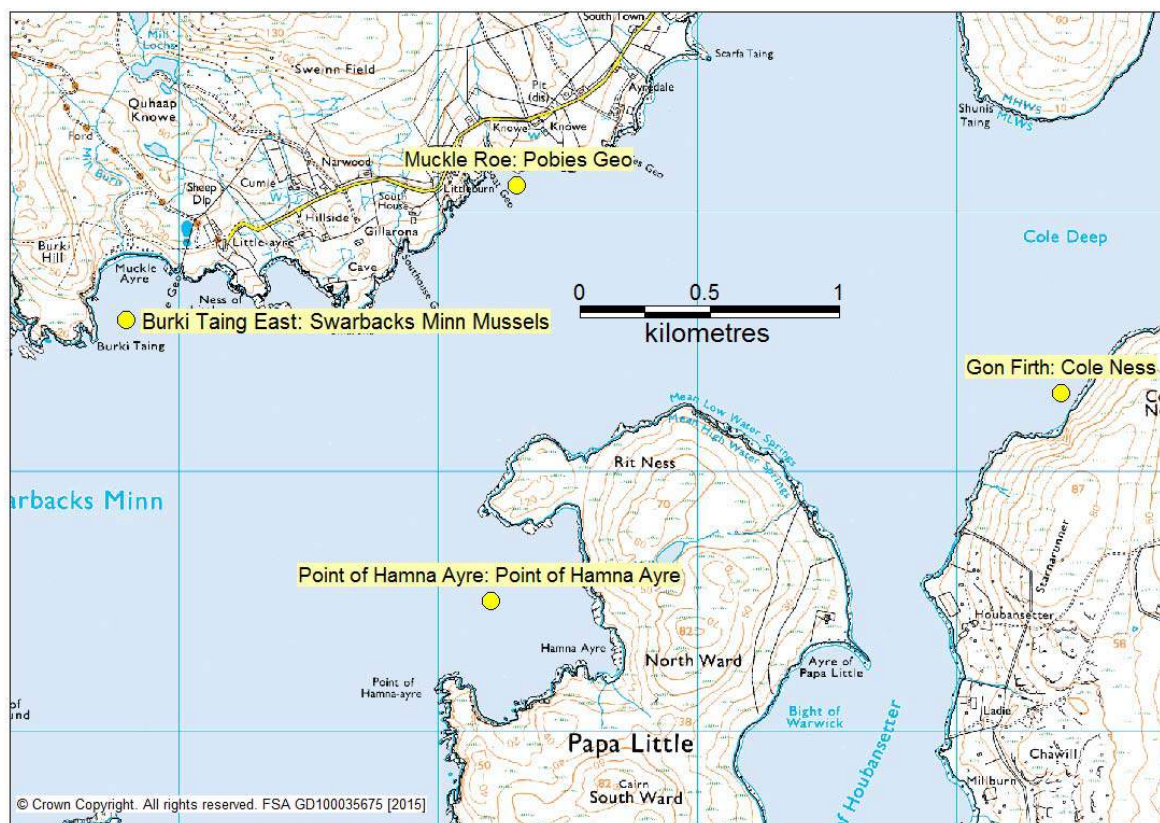
### 3.13.16 North and South Uyea



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	North Uyea	North	SI 230 453 08	Common mussels	HU60119997	A
Shetland Islands Council	South Uyea	South	SI 263 454 08	Common mussels	HU60739812	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
North	110	20	<18	20	45	45	45	110	<18	78	20	78
South	130	20	<18	20	20	78	1300	78	<18	<18	45	<18

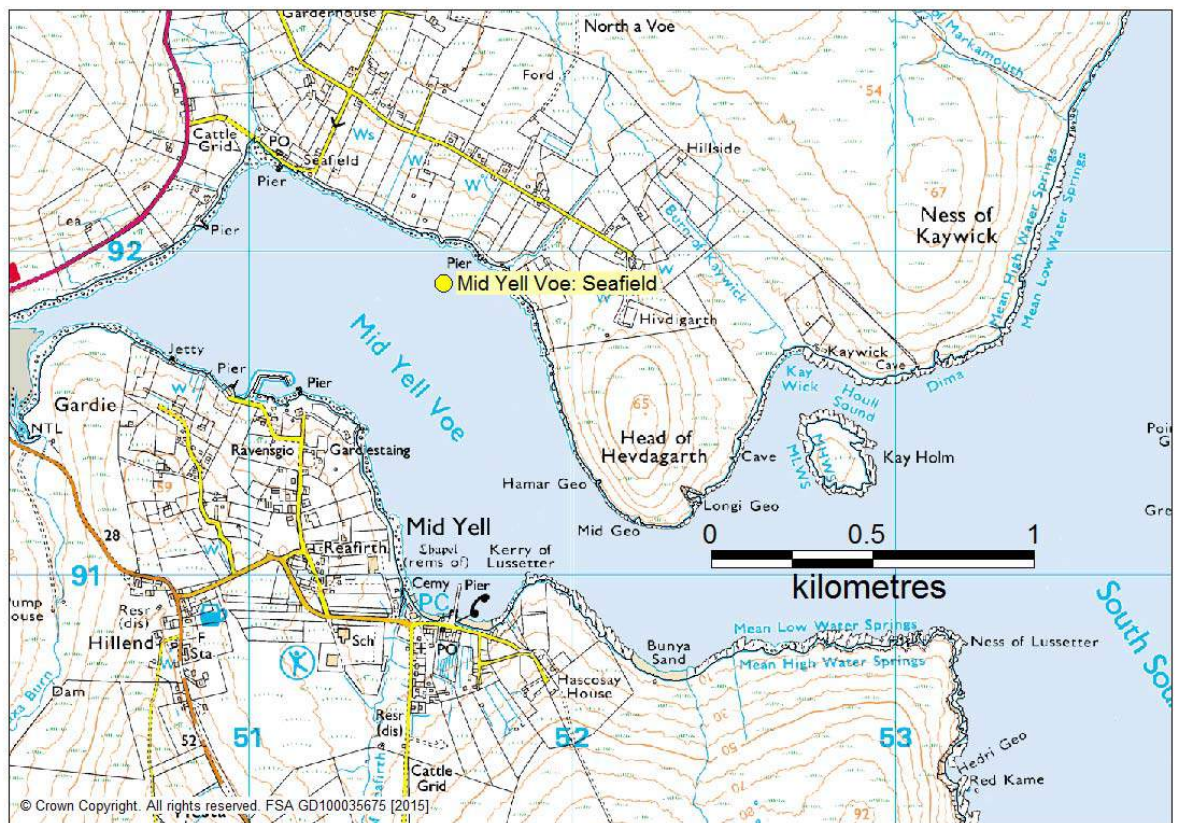
### 3.13.17 Swarback Minn



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Muckle Roe	Pobies Geo	SI 221 433 08	Common mussels	HU33376301	A/B
Shetland Islands Council	Point of Hamna Ayre	Point of Hamna Ayre	SI 374 763 08	Common mussels	HU33426137	A
Shetland Islands Council	Gon Firth	Cole Ness	SI 076 423 08	Common mussels	HU35436237	A
Shetland Islands Council	Burki Taing East	Swarbucks Minn Mussels	SI 755 1897 08	Common mussels	HU318626	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Pobies Geo	220	78	<18	<18	45	<18	110	790	330	68	330	490
Point of Hamna Ayre	170	45	<18	220	68	20	1100	1300	3500			
Cole Ness	78	40	20	110	45	78	78	9200	1700	78	330	330
Swarbucks Minn Mussels	Jan	Feb			March					April		
		45	20	110	20	<18	45	<18	<18	45	78	
	May		June		July		August		Sept		Oct	Nov
	45		<18		110		130		45			

### 3.13.18 Mid Yell Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Mid Yell Voe	Seafield	SI 216 432 08	Common mussels	HU51379194	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Seafield	1300	1700	78	68	2400	790	1100	78	1400	170	5400	700

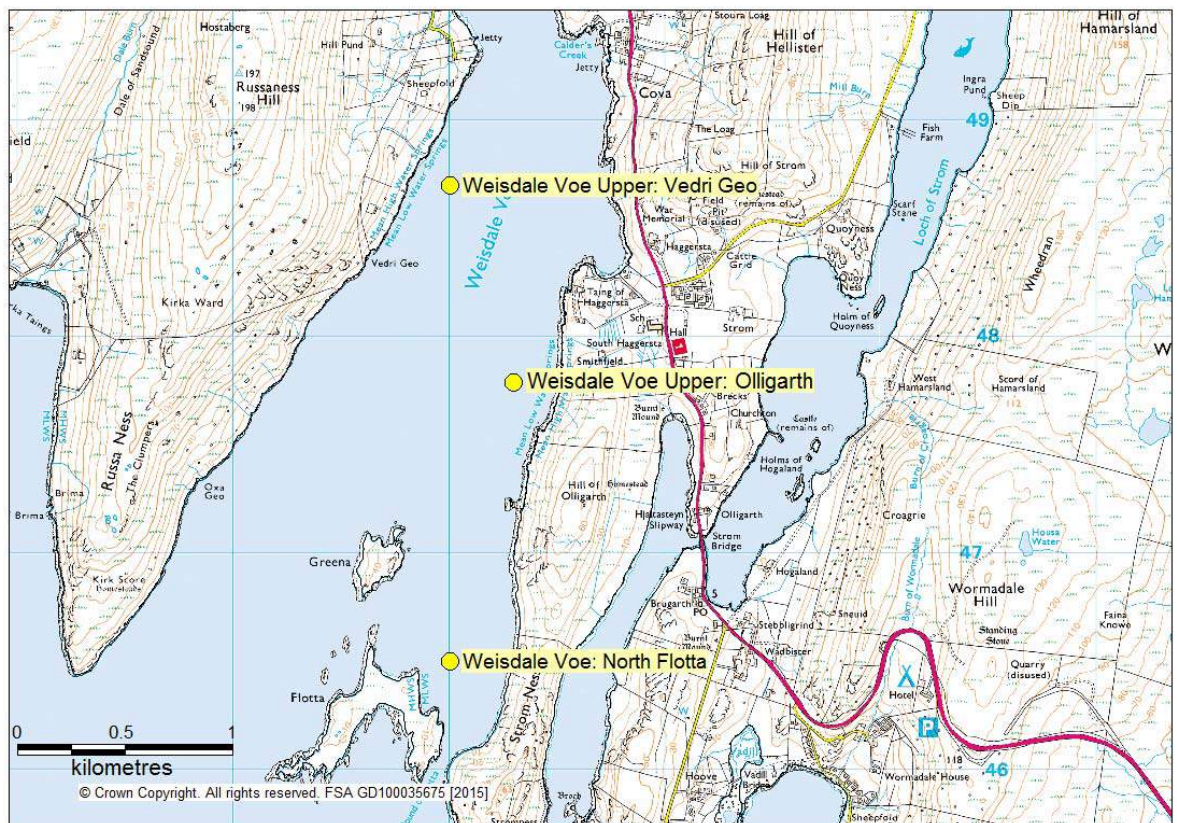
### 3.13.19 Hamnavoe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Hamnavoe	Copister	SI 348 736 08	Common mussels	HU48647950	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Copister	<18	78	<18	78	<18	<18	230	2400	20	<18	20	20

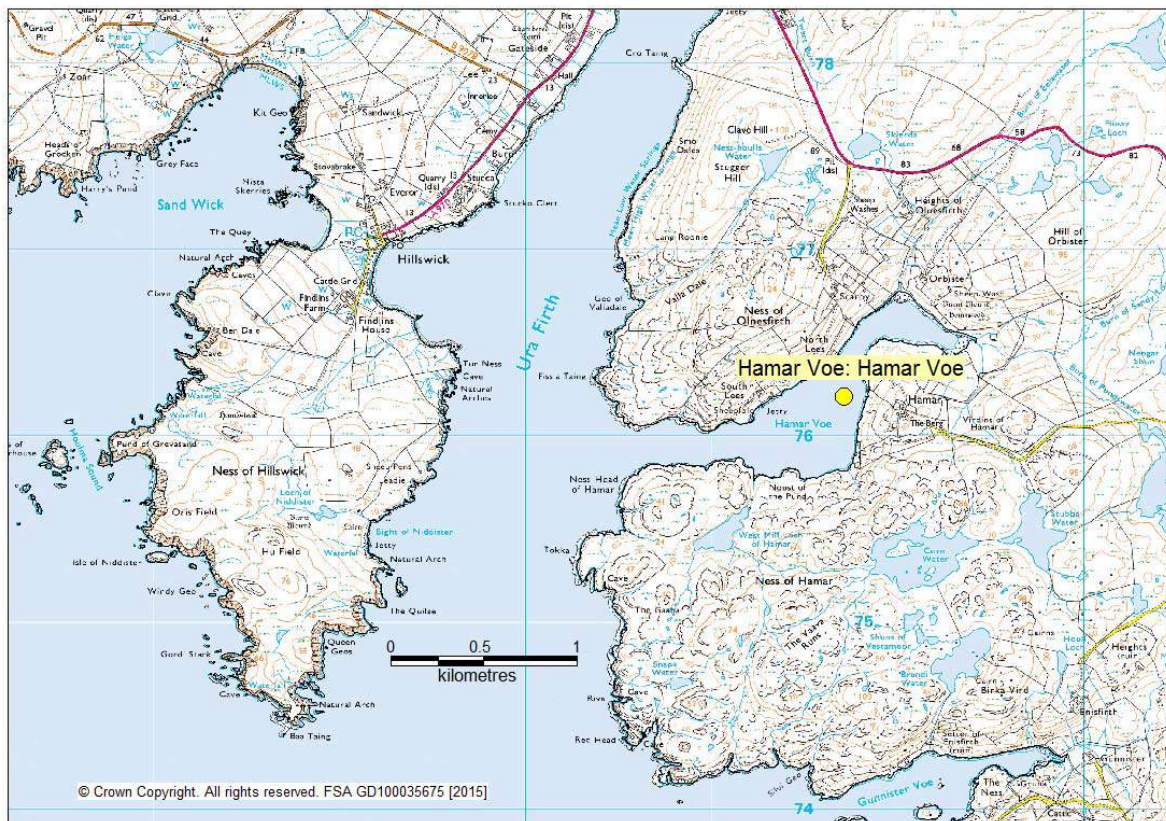
### 3.13.20 Weisdale Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Weisdale Voe	North Flotta	SI 297 469 08	Common mussels	HU38104650	A/B
Shetland Islands Council	Weisdale Voe Upper	Vedri Geo *	SI 378 768 08	Common mussels	HU38304794	A
		Olligarth	SI 378 1521 08	Common mussels	HU38304794	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
North Flotta	110	78	170	<18	20	<18	700	<18	45	170	20	230
Vedri Geo * Olligarth	130*	45*	<18	<18	<18	170	330	<18	78	700	20	40

### 3.13.21 Hamar Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Hamar Voe	Hamar Voe	SI 655 1404 08	Common mussels	HU30707613	A

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Hamar Voe	170	170	<18	<18	20	20	790	<18	<18	20	20	20

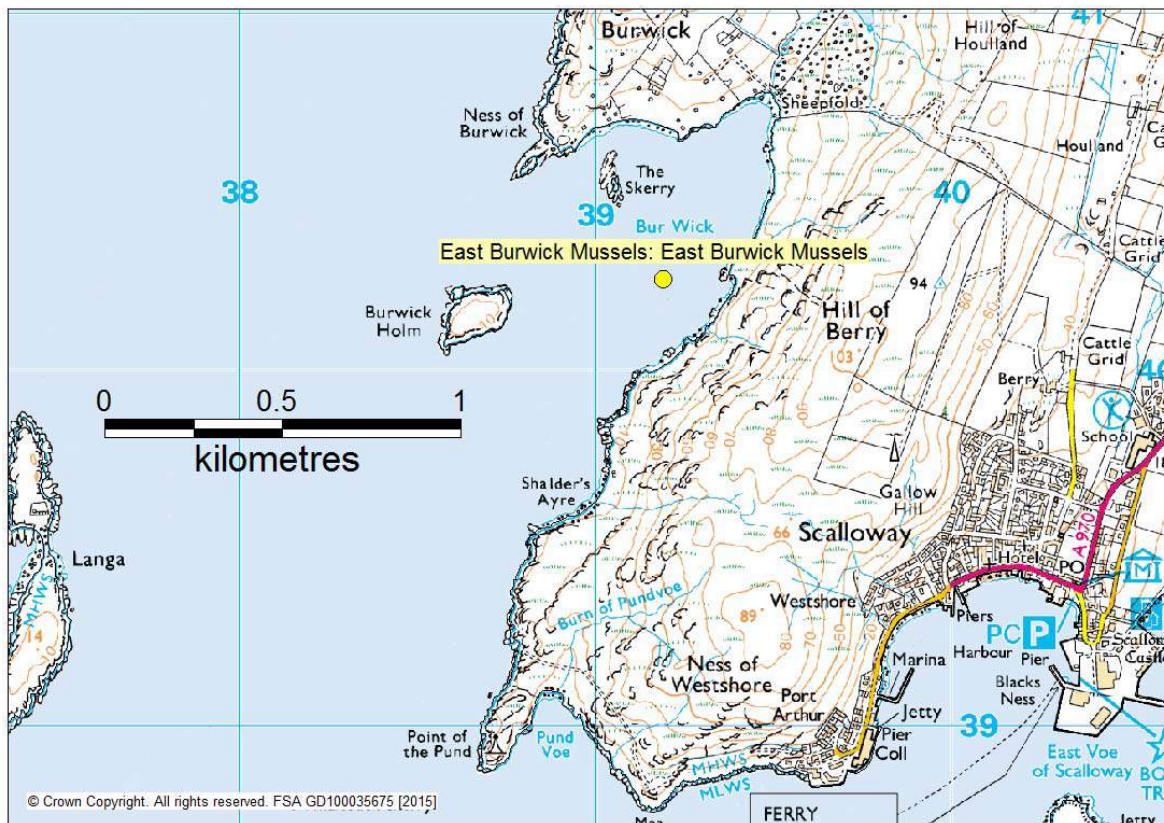
### 3.13.22 Catfirth and Wadbister Voe



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Wadbister Voe	Wadbister Voe	SI 294 466 08	Common mussels	HU43445045	-
Shetland Islands Council	Cat Firth	Cat Firth	SI-032-412-08	Common mussels	HU44555369	-

Site Name	Result ( <i>E. coli</i> MPN/100g) in month												
	Jan	Feb		Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Wadbister Voe	20	20	20	<18	<18	<18	20	<18	20	<18	78	170	45
Cat Firth	20	78	20	20	<18	20	20	170	170	<18	170	20	20

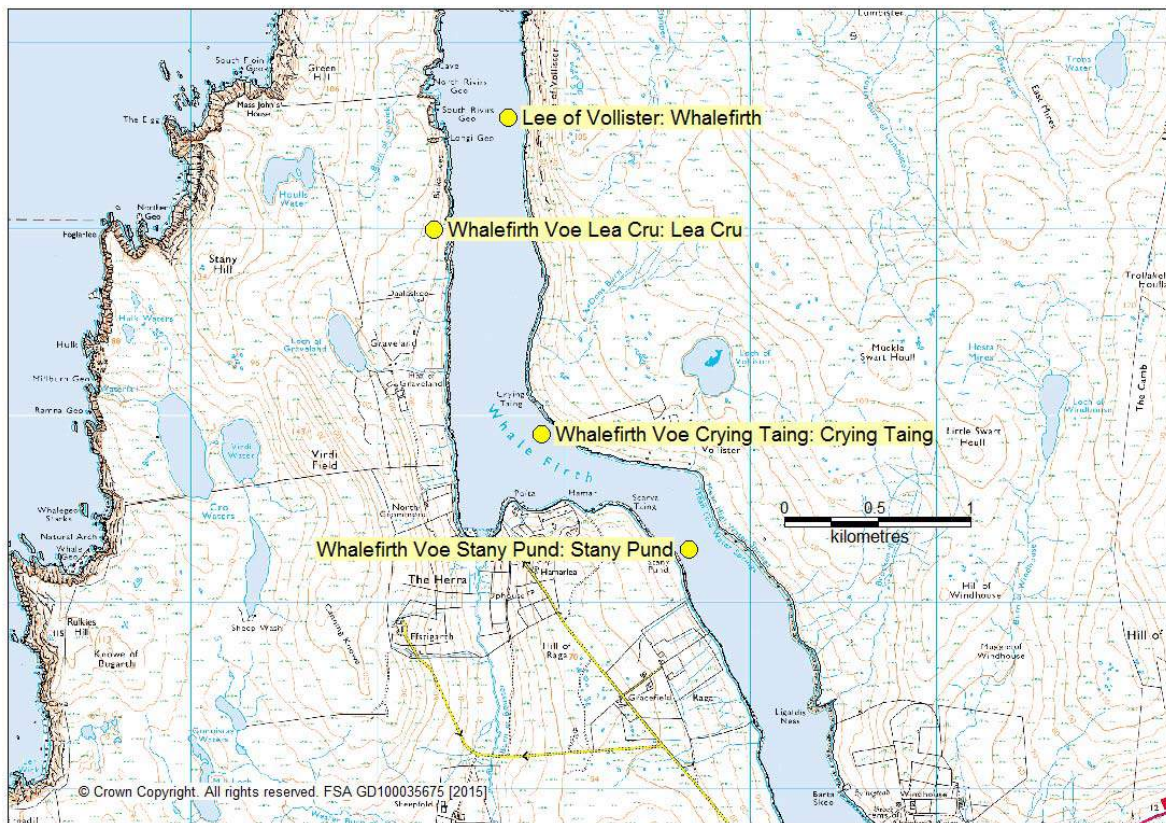
### 3.13.23 East Burwick Mussels



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	East Burwick Mussels	East Burwick Mussels	SI 583 1060 08	Common mussels	HU39064012	A/B/C

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
East Burwick Mussels	16000	78	790	3500	20	68	16000	9200	2400	2400		

### 3.13.24 Whalefirth



Local Authority	Production Area	Site Name	Site SIN Number	Species	Grid Reference for Sample	Classification status
Shetland Islands Council	Lee of Vollister	Whale firth	SI 760 1920 08	Common mussels	HU467956	B
Shetland Islands Council	Whalefirth Voe Lea Cru	Lea Cru	SI 613 1167 08	Common mussels	HU46629479	B
Shetland Islands Council	Whalefirth Voe Crying Taing	Crying Taing	SI 616 1195 08	Common mussels	HU46859389	B
Shetland Islands Council	Whalefirth Voe Stany Pund	Stany Pund	SI 612 1165 08	Common mussels	HU47679328	B

Site Name	Result ( <i>E. coli</i> MPN/100g) in month											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Whale Firth					45	<18	45	20	230		790	210
Lea Cru						330	40	20	140	20	490	
Crying Taing						20	130	20	330	<18	330	
Stany Pund						45	78	20	3500	20	490	

#### 4 Outwith results between 1<sup>st</sup> January and 31<sup>st</sup> December 2015

The number of outwith results i.e. those which exceeded the upper *E. coli* MPN/100g for the extant classification status are reported for all classified production areas by local authority in Table 3.

**Table 3. Outwith results between 1<sup>st</sup> January and 31<sup>st</sup> December 2015**

Local Authority area	No. of valid results reported	No. of outwith results (% in parentheses)
Argyll and Bute <sup>1</sup>	611	44 (7.2)
Comhairle nan Eilean Siar: Lewis and Harris	219	9 (4.1)
Comhairle nan Eilean Siar: Uist and Barra	165	6 (3.6)
Dumfries and Galloway	100	5 (5.0)
East Lothian	24	3 (12.5)
Fife	26	1 (3.8)
Highland Council: Lochaber	141	9 (6.38)
Highland Council: Ross and Cromarty	63	4 (6.34)
Highland Council: Skye and Lochalsh	53	7 (13.2)
Highland Council: Sutherland	85	4 (4.7)
North Ayrshire <sup>1</sup>	36	6 (16.6)
Shetland Islands	632	51 (8.1)
South Ayrshire	37	5 (13.5)
<b>Total</b>	<b>2192</b>	<b>154 (7.0%)</b>

1: Samples collected from Machrie Bay (n=9; 8 test results) are counted under North Ayrshire council in this report



**5 References** European Communities 2004. Regulation (EC) No 882/2004 of the European Parliament and of the Council of 29 April 2004 on official controls performed to ensure the verification of compliance with feed and food law, animal health and animal welfare rules. *Off. J. Eur. Communities* L 165, 30.4.04 : 1-141.

European Communities 2004. Regulation (EC) No 853/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific rules for food of animal origin. *Off. J. Eur. Communities* L 226, 25.6.04 : 22-82.

European Communities 2004. Regulation (EC) No 854/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific rules for the organisation of official controls on products of animal origin intended for human consumption. *Off. J. Eur. Communities* L 226, 25.6.04 : 83-127.

European Communities 2005. Commission Regulation (EC) No 2073/2005 on microbiological criteria for foodstuffs. *Off. J. Eur. Communities* L338, 22.12.05 : 1-26.

European Communities 2005. Commission Regulation (EC) No 2074/2005 laying down implementing measures for certain products under Regulation (EC) No 853/2004 of the European Parliament and of the Council and for the organisation of official controls under Regulation (EC) No 854/2004 of the European Parliament and of the Council and Regulation (EC) No 882/2004 of the European Parliament and of the Council, derogating from Regulation (EC) No 852/2004 of the European Parliament and of the Council and amending Regulations (EC) No 853/2004 and (EC) No 854/2004. *Off. J. Eur. Communities* L338, 22.12.2005 : 27-59.

European Communities 2008. Commission Regulation (EC) No 1021/2008 amending Annexes I, II and III to Regulation (EC) No 854/2004 of the European Parliament and of the Council laying down specific rules for the organisation of official controls on products of animal origin intended for human consumption and Regulation (EC) no 2076/2005 as regards live bivalve mollusc, certain fishery products and staff assisting with official controls in slaughterhouses. *Off. J. Eur. Communities* L227, 18.10.08 : 15-17.

ISO 2007. ISO 7218. Microbiology of food and animal feeding stuffs — General rules for microbiological examinations. International Organization for Standardization, Geneva.

ISO 2003. EN ISO 6887-3. Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 3: Specific rules for the preparation of fish and fishery products. International Organization for Standardization, Geneva.

ISO 2005. ISO TS 16649-3 – Microbiology of food and animal feeding stuffs – Enumeration of  $\beta$ -glucuronidase positive *Escherichi coli* – part 3 : Most Probable

Number technique using 5-bromo-4-chloro-3-indolyl- $\beta$ -D-glucuronide acid.  
International Organization for Standardization, Geneva.

ISO 2005 ISO/IEC 17025. General requirements for the competence of testing and  
calibration laboratories. International Organization for Standardization, Geneva.

## 6 Appendix I

### Rejection criteria for samples for *E. coli* analysis<sup>6</sup> version 2

- All samples must be appropriately labelled so as to enable accurate identification of individual samples;
- If multiple samples are packed in a single coolbox each sample must be contained within an intact sample bag (so as not to leak and cause potential contamination of other samples in the coolbox);
- Shellfish must not be immersed in water or mud/sand.
- No more than 48 hours<sup>7</sup> should have elapsed between sample collection<sup>8</sup> and the start of testing<sup>9</sup>;
- Sample temperature –
  - *Where the time elapsed between sample collection and receipt at the laboratory is **more than** 4 hours:* the sample temperature (or water sample, if measured) should be between 1°C and 10°C. Where the temperature exceeds >10°C samples should be rejected;
  - *Where the time elapsed between sample collection and receipt at the laboratory is **less than** 4 hours:* the sample temperature (or water sample, if measured) should be less than the temperature at the time of sampling, or between 1°C and 10°C;
  - Samples should not be frozen.
- No analysis can be undertaken on less than 10 individual live shellfish per sample. May be also the amended one

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<sup>6</sup> Sample rejection criteria are derived from recommendations of the UK NRL for the laboratory testing of bivalve molluscs for the classification of bivalve mollusc harvesting areas under Regulation (EC) No. 854/2004 <https://www.cefasc.co.uk/nrl/>

<sup>7</sup> Cut off point for rejected samples 48 hours and 29 minutes.

<sup>8</sup> Sample collection is the time at which shellfish are removed from the bed.

<sup>9</sup> Start of testing is defined as the time at which opening and homogenising (shucking) of shellfish begins.

## Appendix II

### Laboratory reporting procedures – *E. coli*

The supplier shall:

1. Report results of samples to the Clients office in Scotland, using e-mail distribution lists provided by the client.
2. Report all results using electronic reporting templates agreed during the transition period.
3. Inform the client by telephone followed up by email of any difficulty or failure to deliver the required service.
4. Notify the client and local authority/sampling officer within 2 hours of assessment of any rejected samples.
5. Prioritise the reporting of results of samples from incidents of human illness.
6. In the event that results are delayed, the Supplier will advise the designated contact of reasons for the delay.
7. Immediately inform the client by telephone followed by an email (informing the client) of any results which exceed the classification status for the production area in any given month. For avoidance of doubt this is results of greater than 230 *E. coli* /100g in a class A area; greater than 4,600 in a class B area; greater than 46,000 in a class C area; or where the laboratory results are reported as >18,000.
8. Provide a weekly summary of results of all analyses by 15:00 Tuesday of samples analysed in the previous week (Mon-Fri) (with the exception of bank holidays and a two week period around Christmas).
9. Place the results in a spreadsheet compatible with the SHS 2 database as soon as they become available or work with the client towards direct entry of results into SHS 2.
10. Maintain the results of the clients *E. coli* monitoring programme. This information will be used to compile reports, provide information as necessary and for any annual or other reports and reviews or to answer *ad hoc* enquiries about the results. All data are the property of the client.
11. Provide a draft annual report on the *E. coli* results generated under the scope of this Schedule by calendar year by February 28<sup>th</sup> each year. The client will submit comments within one month of receipt of the draft annual report.

12. Submit the finalised annual report within one month of receipt of comments from the Client. Should no Client comment be received by the agreed deadline the draft report will be finalised and submitted.

13. Place results on the Supplier website in the agreed format.





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