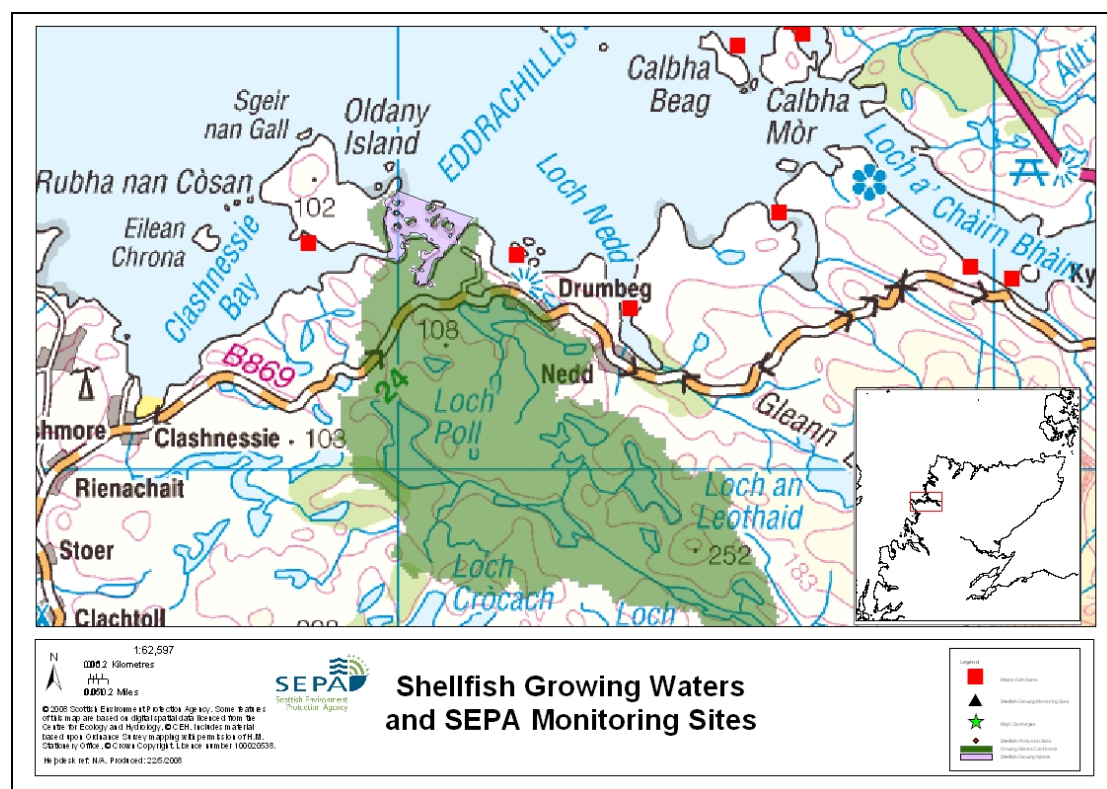


45 Eddrachillis Bay



Name	Eddrachillis Bay	
Report Reference No.	45	
WFD Code	UKS7992345	
Location Information	An area bounded by lines drawn between NC 099 347 (Cnoc a' Mhoil Bàn) and NC 113 342 and between NC 098 336 and NC 098 337 and extending to MLWS.	
Designated Area (Km²)	1.1	
Year of Designation	2002	
Sampling Points	Eddrachillis Bay	NC 10803 34272
Commencement of Monitoring	2003	

45.1 Commercial Shellfish Interests

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

45.2 Bathymetric Information

Eddrachillis Bay is situated on the north west coast of Scotland. The shellfish growing area is located in a small area at Cnoc a' Mhoil Bhan on the east side of Oldany Island. The growing area has a north aspect exposing it to northerly winds. The total length of the growing area is approximately 1.5km and maximum water depth is approximately 15m. There are no morphological pressures on the waters.

45.3 Conservation Designations

Loch Poll lies within 2km of the designated area and provides the principal freshwater input to the area, via the Oldany River. Loch Poll is part of the Assynt Lochs SPA/SSSI, a series of large oligotrophic freshwater lochs which contain a submerged flora and restricted fauna typical of nutrient-poor conditions. The lochs are important for breeding Black-throated Divers *Gavia arctica*. For further information, follow the link to the website.

http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=1713

45.4 Topography And Land Use – Potential Diffuse Pollution Sources

The land around the designated area is characterised by many small lochs and rivers set among upland heath, upland moor and upland broad-leaved woodland, and is typical of the 'knochan-lochan' terrain found in the far northwest of Scotland. Land types directly around the designated area include semi-natural woodlands, semi-natural grasslands and heather moorland.

The main source of diffuse pollution to the designated area is from sheep farming in the catchment.

Freshwater inputs to the designated area are considered to be of at least good status, although none are monitored by SEPA.

45.5 Point Source Discharges

There are no discharges from public sewage systems, or from industrial operations within at least 2km of the designated area. Point source discharges to the designated area are restricted to a few private septic tanks.

There are no fish farms in the designated area, although there are two fish farms in neighbouring bays, with a combined consented biomass of 1500 tonnes.

45.6 Compliance Monitoring Regime

Year	Monitoring Regime
2005 -	<ul style="list-style-type: none">• Quarterly for Sal, DO, pH, temperature, visible oil• Twice yearly for metals in water• Every three years for metals and organohalogens in mussels, next collection scheduled for 2008• Quarterly for faecal coliforms in mussels

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

45.7 Compliance History

	Compliance History for Waters and Biota, Excluding Faecal Coliforms Data			Compliance History for Faecal Coliforms
Year	Overall Result	Imperative	Guideline	Guideline
2003	Pass	Pass	Pass	Fail
2004	Pass	Pass	Pass	Fail
2005	Pass	Pass	Fail ¹	Pass
2006	Pass	Pass	Pass	Fail
2007	Pass	Pass	Pass	Pass

Of the six samples analysed for Faecal Coliforms in 2003 and 2004, four gave results above the Guideline standard. All 4 samples met Guideline standards in 2005. The shellfish waters failed to comply with the Guideline standard in 2006 and there were no results in 2007.

¹Failure relates to a result of 30.21 mg/kg dry weight of arsenic which results in a marginal fail of the Guideline standard for Arsenic (30 mg/kg dry weight).

45.8 Future Monitoring Recommendations

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

45.9 Improvement Actions

There are currently no improvement actions planned for this area.

45.10 Summary of Actions

Action	Deadline
No improvement actions currently planned.	