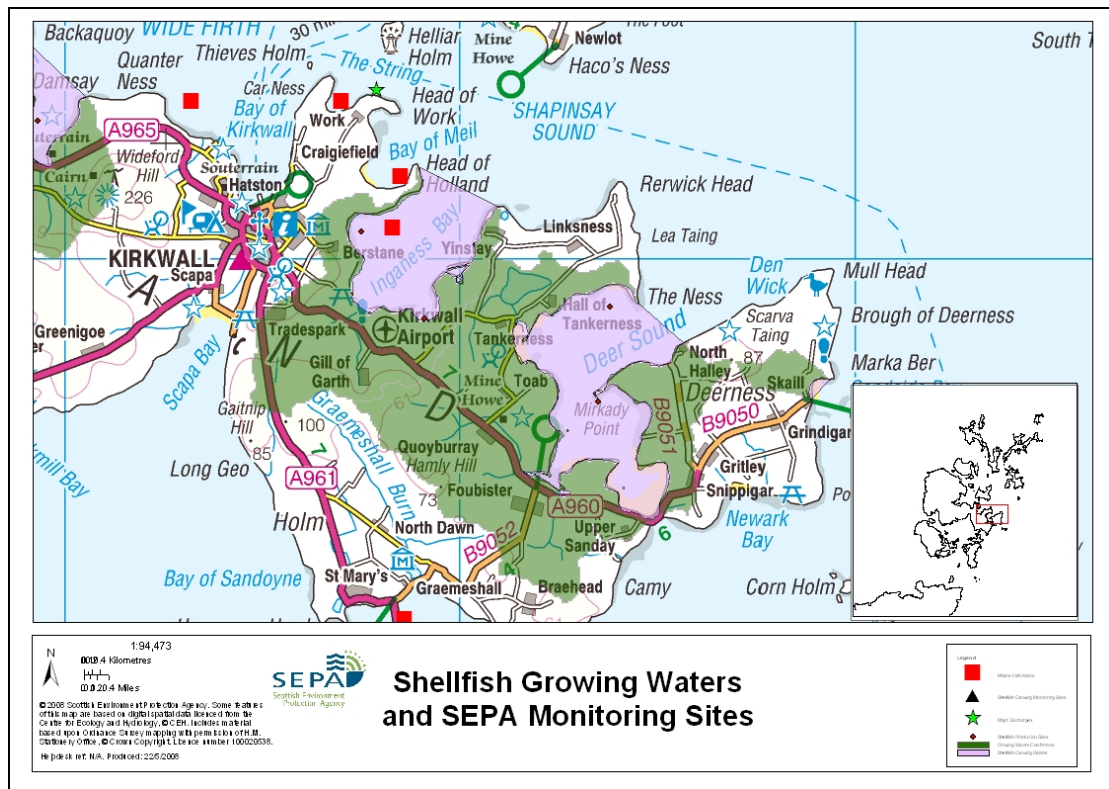


43 Deer Sound



Name	Deer Sound	
Report Reference No.	43	
WFD Code	UKS7992343	
Location Information	An area inshore of a line drawn between HY 547 087 and HY 555 080 and extending inshore to MLWS.	
Designated Area (Km²)	12.9	
Year of Designation	2002	
Sampling Points	Deer Sound	HY5246507180
	Deer Sound Mussel Site	HY5140608390
Commencement of Monitoring	2003	

43.1 Commercial Shellfish Interests

The growing waters are not currently classified for commercial production of shellfish.

43.2 Bathymetric Information

The Deer Sound is situated on the south east coast of mainland Orkney. Its east aspect shelters the waters from the prevailing south/south west winds. The total length of the sound is approximately 5km, which is also the length of the growing

waters area. Maximum water depth is approximately 9m. There are no morphological pressures on the waters.

43.3 Conservation Designations

There are no conservation designation areas in or around Deer Sound.

43.4 Topography And Land Use – Potential Diffuse Pollution Sources

The land around the designated area is improved pasture, with several small, dispersed settlements.

A series of roads run round the designated area linking a number of dispersed houses and farms. There are three minor freshwater inputs to the designated area; none of these are monitored by SEPA but are expected to be of at least good quality.

Diffuse pollution is mainly associated with agricultural run off from cattle farming and private sewage discharges.

43.5 Point Source Discharges

There are no consented discharges from public sewage systems or from industrial operations to the designated area nor within a distance of at least 2km. There are several consented discharges from private septic tanks into the designated area and its catchment, and there are also likely to be unconsented discharges of raw sewage or septic tank effluent.

There are no fish farms within the designated area, nor close by.

43.6 Compliance Monitoring Regime

Year	Monitoring Regime
2005 -	<ul style="list-style-type: none"> No longer monitored due to absence of mussels

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

43.7 Compliance History

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

* No mussels could be found on the shores of the designated area since 2004 and, consequently, no data for Faecal Coliforms, metals or organohalogen substances in mussel flesh and intervalvular waters have been obtained. Sampling will resume if populations return.

The Dissolved Oxygen value in one sample from 2003 dipped just below the Guideline threshold of 80% saturation. Future results will be closely monitored.

Two samples were analysed for Faecal Coliforms in 2003, both of which gave results above the Guideline standard.

43.8 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.

43.9 Improvement Actions

There are currently no improvement actions planned for this area.

43.10 Summary of Actions

Action	Deadline
No improvement actions currently planned.	