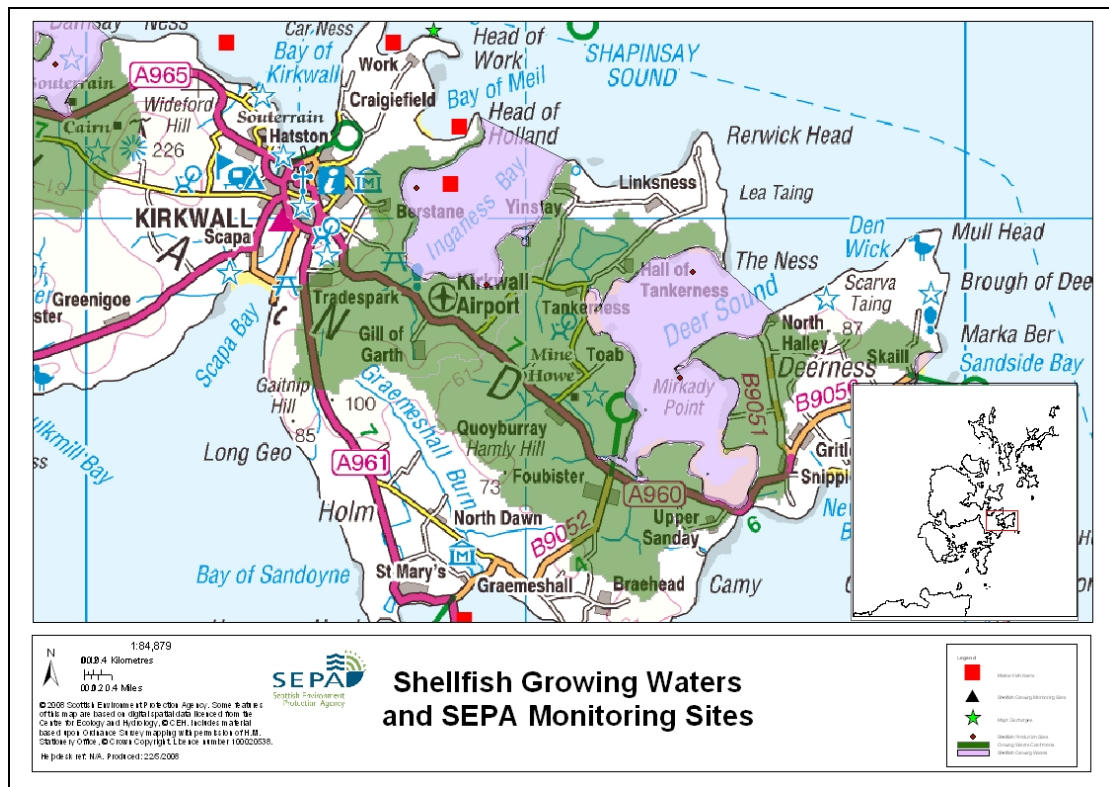


50 Inganess Bay



Name	Inganess Bay	
Report Reference No.	50	
WFD Code	UKS7992350	
Location Information	An area inside of a line drawn between HY 490 123 (Head of Holland) and HY 510 113 (Yinstay Head).	
Designated Area (Km²)	8.3	
Year of Designation	2002	
Sampling Points	Inganess Bay	HY4890008700
Commencement of Monitoring	2003	

50.1 Commercial Shellfish Interests

There is no commercial production of shellfish in the waters currently and it is not designated under the Shellfish Hygiene Directive (91/492/EEC).

50.2 Bathymetric Information

Inganess Bay is situated on the north east coast of mainland Orkney. Its north east aspect shelters the waters from the prevailing south west winds. The total length of the bay is approximately 4km, which is also the length of the growing waters area. Maximum water depth is approximately 21m. There are no morphological pressures on the waters.

50.3 Conservation Designations

There are no designated conservation areas in or around Inganess Bay.

50.4 Topography And Land Use – Potential Diffuse Pollution Sources

The land around the designated area is mainly improved pasture with pockets of semi-natural grassland. The main exception to this is the site of Kirkwall Airport which borders the southern end of the area. The town of Kirkwall extends to within 1km of the designated area, but lies outside the freshwater catchment for Inganess Bay. There are few, and only minor, freshwater inputs to Inganess Bay; none of them are monitored by SEPA.

Diffuse pollution comes from run off from non-intensive cattle farming and run off from the airport.

50.5 Point Source Discharges

There are no consented discharges from public sewage systems, although there are a number of discharges from private septic tanks to the designated area.

There are six discharges to Inganess Bay from Kirkwall Airport; five of which discharge directly to the designated area and a sixth to a burn. Four of these discharges are for de-icer and are operated as and when necessary.

	Name	Consent No.	Treatment	NGR	Additional Information
Highlands and Islands Airports Ltd	Kirkwall Airport #2	WPC/N/0059198*	-	HY477508 65	Septic Tank
	Kirkwall Airport #3	WPC/N/0059204*	-	HY482508 65	De-icer
	Kirkwall Airport #4	WPC/N/0059201*	-	HY484508 75	De-icer
	Kirkwall Airport #5	WPC/N/0059200*	-	HY488508 75	De-icer
	Kirkwall Airport #6	WPC/N/0059199*	-	HY489508 55	De-icer

There is one fishfarm in the designated area, with a consented biomass of 500 tonnes.

Name	Category	Consent No.	NGR	Biomass (t)
Bay of Berstane	Fish Farm	WPC/N/0070199*	HY48351083	500

- There are no CAR consent numbers for these sites to date.

50.6 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.

50.7 Compliance History

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

* No mussels have been 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.

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

50.8 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.

50.9 Improvement Actions

The septic tank at Kirkwall Airport now discharges to soakaway and there is no longer a CSO on site. There are currently no further improvement actions planned for the area.

50.10 Summary of Actions

Action	Deadline
No improvement actions are planned currently.	