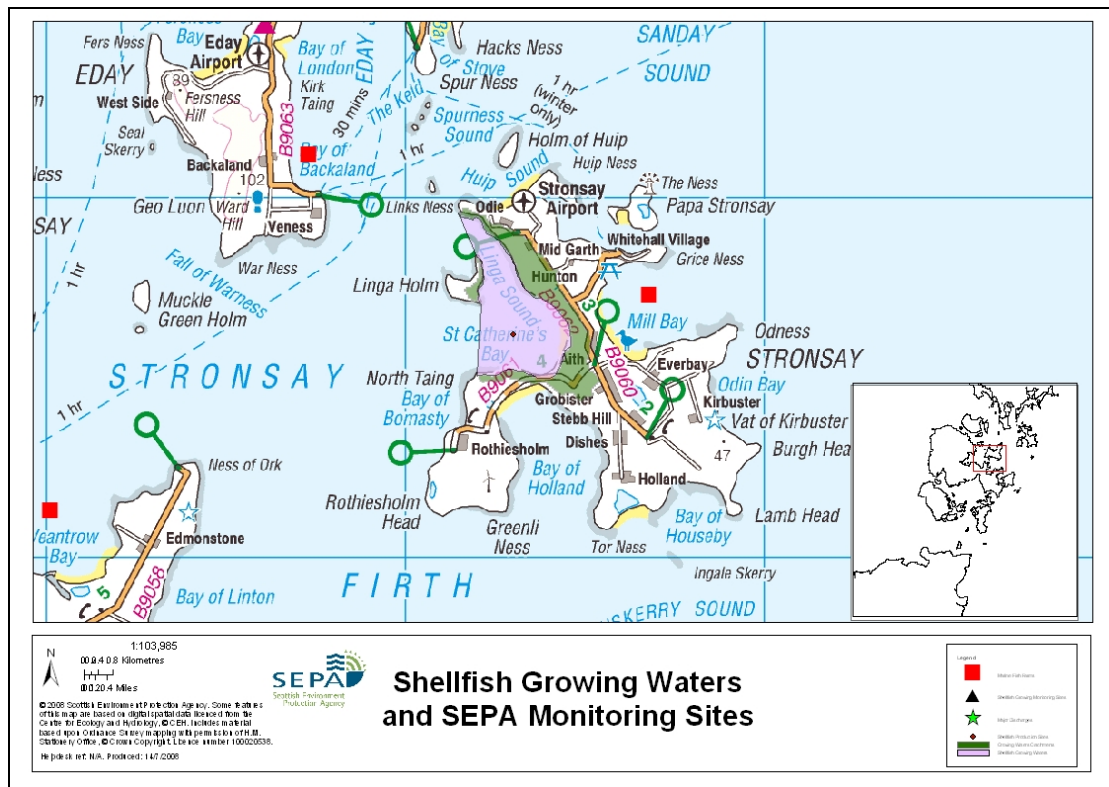


## 98 St Catherine's Bay



|   |   |              |
|---|---|--------------|
| <b>Name</b>                             | St Catherine's Bay  |              |
| <b>Report Reference No.</b>             | 98  |              |
| <b>WFD Code</b>                         | UKS7992398  |              |
| <b>Location Information</b>             | An area inland of a line drawn from HY 615 295 (Sty Taing) and HY 620 284 (North Taing, Linga Holm) and between HY 621 270 (South Taing) and HY 620 251 (North Taing, Stronsay) and extending inshore to MLWS |              |
| <b>Designated Area (Km<sup>2</sup>)</b> | 6.9   |              |
| <b>Year of Designation</b>              | 2002  |              |
| <b>Sampling Points</b>                  | St Catherine's Bay  | HY6399325040 |
|   | St Catherine's Bay Mussel Site  | HY6448926170 |
| <b>Commencement of Monitoring</b>       | 2003  |              |

### 98.1 Commercial Shellfish Interests

The growing waters are not classified for commercial production but there is growing taking place at one unit within the growing water.

### 98.2 Bathymetric Information

Situated northeast of mainland Orkney on the island of Stronsay, this area is exposed to westerly winds. The designated shellfish area is 4.5km in length and 9m

in depth, stretching from Sty Taing to North Taing, Stronsay extending inshore to Mean Low Water Spring. There are no morphological pressures on the waters.

### 98.3 Conservation Designations

There are no designated conservation areas in or around St Catherine's Bay. Mill Bay SSSI noted for its geological significance lies within 2km of Catherine's Bay.  
[http://gateway.snh.gov.uk/portal/page?\\_pageid=53,854555,53\\_854604&\\_dad=portal&\\_schema=PORTAL&PA\\_CODE=1152](http://gateway.snh.gov.uk/portal/page?_pageid=53,854555,53_854604&_dad=portal&_schema=PORTAL&PA_CODE=1152)

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

The designated area is contained by the Island of Stronsay. Almost the entire Island is made up of improved pasture. Freshwater inputs to the designated area are restricted to channels draining the agricultural coastal land. Sewage provision for the few private houses around the designated area is by individual soak-aways. Run off from non-intensive cattle farming is the primary source of diffuse pollution.

### 98.5 Point Source Discharges

There are no point source discharges to the designated area other than from private sewage provision.

There are no fish farms within or around the designated area.

### 98.6 Compliance Monitoring Regime

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

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

### 98.7 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 could be found on the shores of the designated area in 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 analysed for Faecal Coliforms in 2003 both gave results above the Guideline standard.

#### **98.8 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.

#### **98.9 Improvement Actions**

There are currently no improvement actions planned for this area.

#### **98.10 Summary of Actions**

| <b>Action</b>                             | <b>Deadline</b> |
|---|-----------------|
| No improvement actions currently planned. |                 |