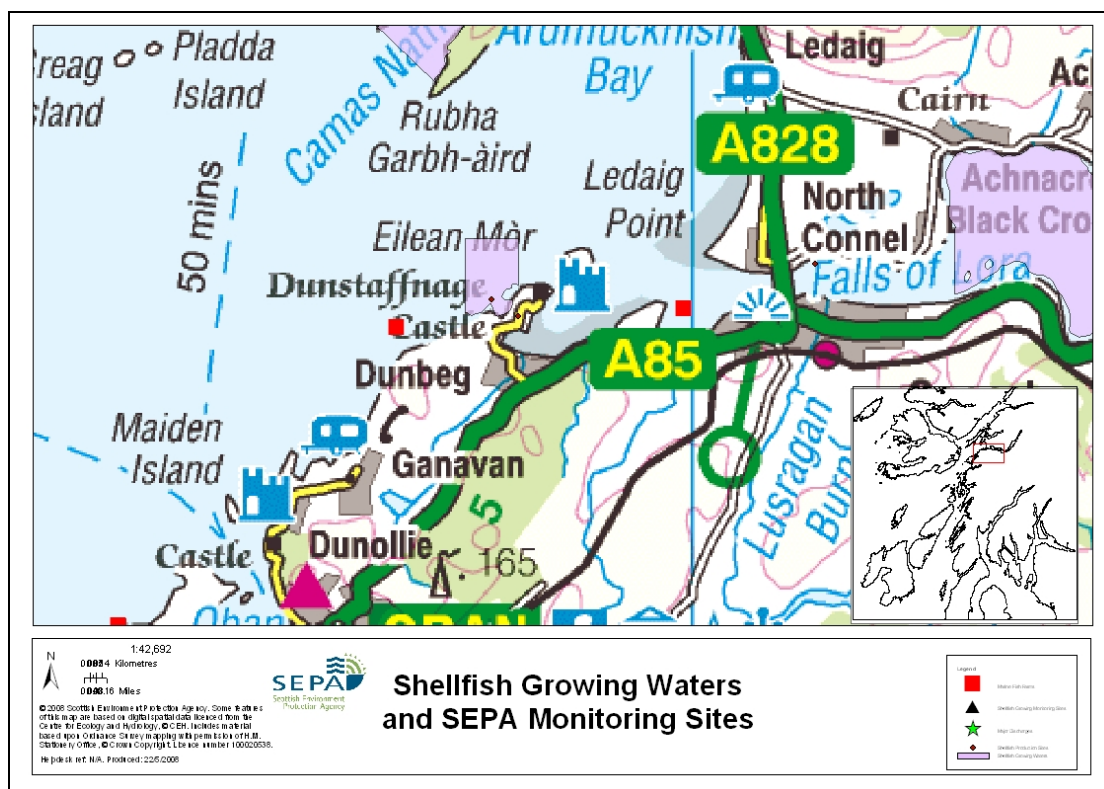


44 Dunstaffnage



Name	Dunstaffnage	
Report Reference No.	44	
WFD Code	UKS7992344	
Location Information	Dunstaffnage designated water is a bay bounded by lines drawn between NM 874 342 and NM 874 350, between NM 874 350 and NM 880 350 and between NM 880 350 and NM 880 345	
Designated Area (Km²)	0.5	
Year of Designation	2002	
Sampling Points	Dunstaffnage	NM 87825 34271
Commencement of Monitoring	2003	

44.1 Commercial Shellfish Interests

The growing waters are not classified for production. There is however, shellfish grown at one site within the growing waters boundary.

44.2 Bathymetric Information

Dunstaffnage is situated north of Oban. The shellfish growing area is at Camas Rubha na Liathaig adjacent to Dunstaffnage Bay, which lies within the Firth of Lorn. This small bay is open with a westerly aspect exposing it to the west and north. The

growing area is small and measures approximately 1km in length and has a maximum water depth of approximately 18m. There are no morphological pressures on the waters.

44.3 Conservation Designations

There are no conservation areas within the catchment or within 2km of the designated water.

44.4 Topography And Land Use – Potential Diffuse Pollution Sources

The land around the designated area is of semi-natural woodland and improved pasture.

The Dunstaffnage shellfish growing water may be affected by discharges to the adjacent Dunstaffnage Bay. The watercourse that discharges into Dunstaffnage Bay has a small catchment area. The majority of the land is in managed forestry and the agriculture on the remainder is limited to the summer grazing of beef and sheep. Dunstaffnage Bay is a popular destination for tourists and has a marina and facilities for visiting yachts.

44.5 Point Source Discharges

There are no discharges from public sewage systems to the designated area, nor from any industrial operations. There are no discharges from private septic tanks to the area.

Dunbeg, with a population of 700, is the only significant community in the vicinity and is served by one raw sewage outfall to Dunstaffnage Bay (SEPA consent WPC/W/0030068, no CAR authorisation as yet), within 1km of the designated area. Improvement to this system is planned and work will start soon. There is also a private septic tank discharge to Dunstaffnage Bay from the marina.

There are no fishfarms within the designated area. There are two marine cage fish farms within 2km of the designated area that have a combined consented biomass of 950 tonnes.

44.6 Compliance Monitoring Regime

Year	Monitoring Regime
2005-	<ul style="list-style-type: none"> • Quarterly for Sal, DO, pH, temperature, visible oil • Every third year 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.

44.7 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	Pass	Fail
2006	Pass	Pass	Pass	Fail
2007	Pass	Pass	Pass	Fail

The shellfish water has consistently failed to comply with the Guideline standard for faecal coliforms since 2003.

44.8 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.

44.9 Improvement Actions

Scottish Water have installed a new sewage treatment system under their Quality and Standards II programme that treats wastewater from both Dunbeg and Connel. The treated effluent is discharged at a point almost 2km from the designated shellfish area.

44.10 Summary of Actions

Action	Deadline
Sewage treatment system for Dunbeg and Connel	Done under Q&SII