

## Map 2: Cowal Peninsula: Lazaretto Point to Dunoon Harbour North

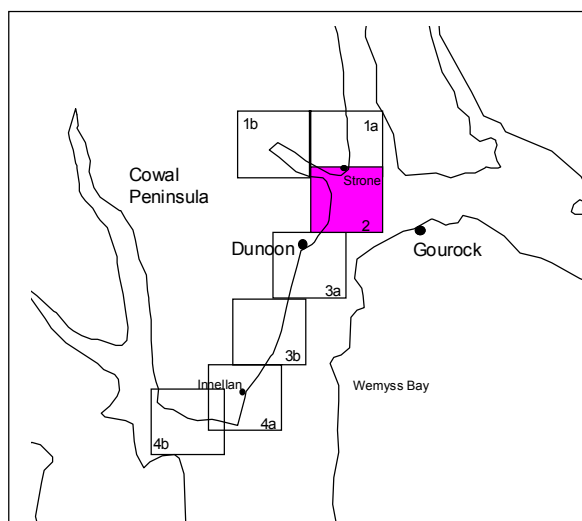
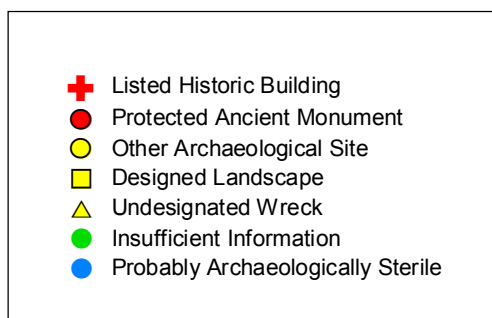
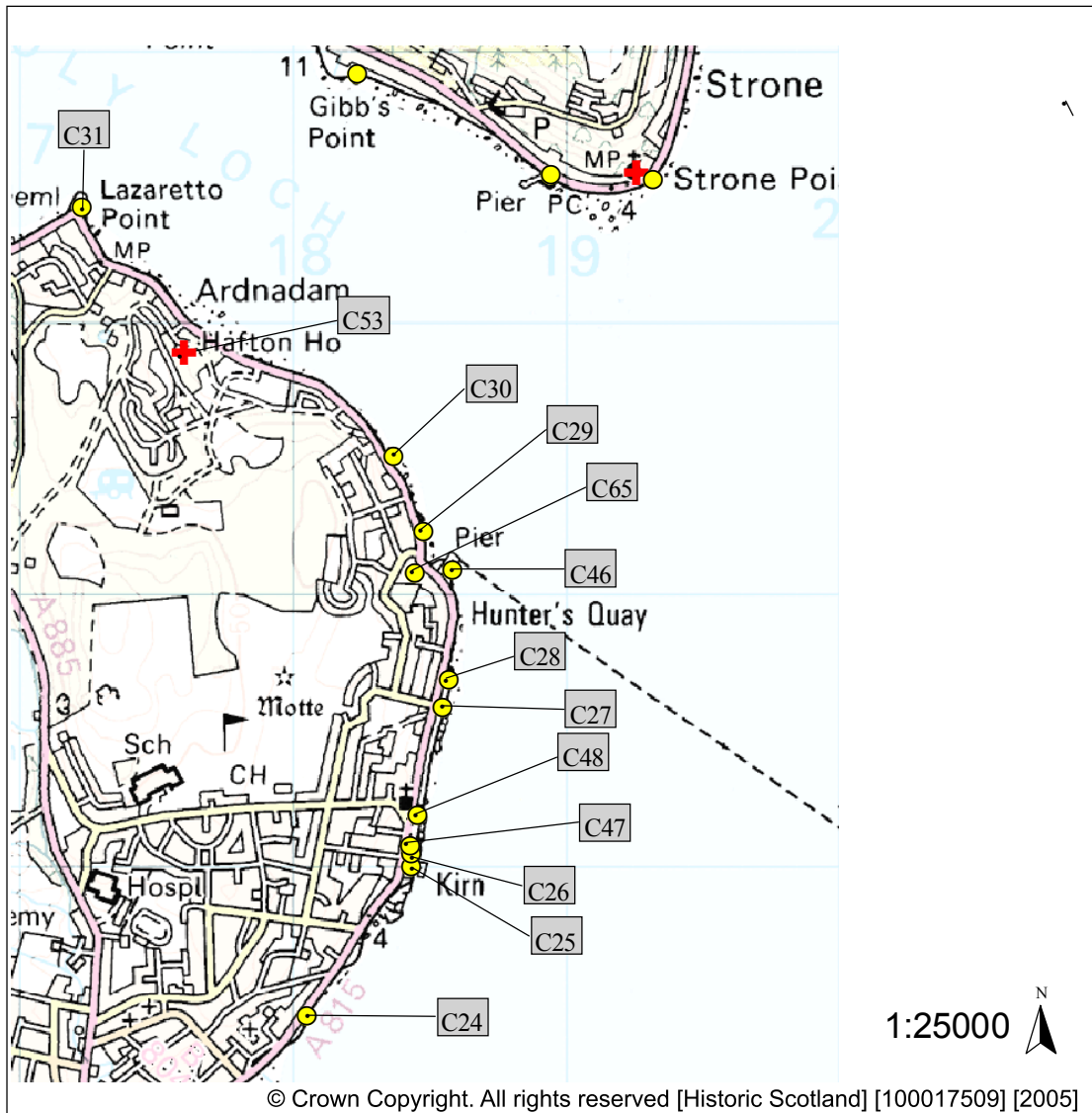
### Map Content Descriptions

#### *1. Built Heritage and Archaeology*

A total of thirteen sites were recorded in the area covered by Map 2. Of these five were previously recorded and eight were new sites noted during the field survey. All of the sites fell under the date range of between eighteenth and twentieth century. One listed building, Hafton House (C53), was located in the area. Only one site was under threat from erosion. This was the monument at Lazaretto Point (C31) where erosion rates are high and coastal protection works are failing.

#### *2. Hinterland Geology, Coastal Geomorphology and Erosion Class*

This section of coastline extended from the western side of Lazaretto Point to the small bay to the north of Dunoon Harbour. The dominant composition of the intertidal area is that of rock platform resulting in a relatively stable stretch of coast. Sea defences stretch over all of this area protecting the built up areas situated behind the coast edge.



## Map 2: Built Heritage & Archaeology Gazetteer

**Site No** C24  
**Grid Ref** NS 18050 77450  
**Site Name** Dunoon Promenade  
**Site Type** Slipway/Buildings/Bo  
**Date** 18th-20th cent  
**Condition** Poor  
**Recommendation** Nil

**Site No** C30  
**Grid Ref** NS 18370 79508  
**Site Name** Hunters Quay  
**Site Type** Vault/structures  
**Date** Unknown  
**Condition** Poor  
**Recommendation** Survey

**Site No** C25  
**Grid Ref** 218437 677998  
**Site Name** Kirn Pier  
**Site Type** Quay/Pier  
**Date** 18th-20th cent  
**Condition** Poor  
**Recommendation** Monitor

**Site No** C31  
**Grid Ref** NS 17228 80424  
**Site Name** Lazaretto Point  
**Site Type** Monument  
**Date** 20th cent  
**Condition** Good  
**Recommendation** Survey

**Site No** C26  
**Grid Ref** NS 18437 78047  
**Site Name** Kirn  
**Site Type** slipway  
**Date** 20th cent  
**Condition** Fair  
**Recommendation** Nil

**Site No** C46  
**Grid Ref** NS 18585 79087  
**Site Name** Hunters Quay  
**Site Type** Quay/Pier  
**Date** 18th-20th cent  
**Condition** Good  
**Recommendation** Nil

**Site No** C27  
**Grid Ref** NS 18550 78585  
**Site Name** Kirn  
**Site Type** Monument  
**Date** 18th-20th cent  
**Condition** Good  
**Recommendation** Nil

**Site No** C47  
**Grid Ref** NS 18429 78073  
**Site Name** Marine Parade, Kirn  
**Site Type** Monument  
**Date** 18th-20th cent  
**Condition** Good  
**Recommendation** Nil

**Site No** C28  
**Grid Ref** NS 18574 78686  
**Site Name** Jim Crow Stone  
**Site Type** Monument?  
**Date** 18th-20th cent  
**Condition** Fair  
**Recommendation** Nil

**Site No** C48  
**Grid Ref** NS 18459 78189  
**Site Name** Kirn  
**Site Type** Structure (remains of)  
**Date** 20th cent  
**Condition** Poor  
**Recommendation** Monitor

**Site No** C29  
**Grid Ref** NS 18478 79230  
**Site Name** Hunters Quay  
**Site Type** Mile Plate  
**Date** 18th-20th cent  
**Condition** Good  
**Recommendation** Nil

**Site No** C53  
**Grid Ref** NS 17600 79890  
**Site Name** Hafton House  
**Site Type** House  
**Date** 18th-20th cent  
**Condition** Good  
**Recommendation** Nil

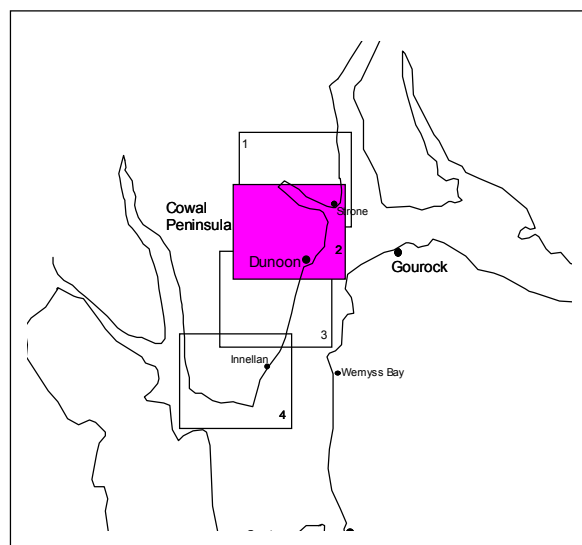
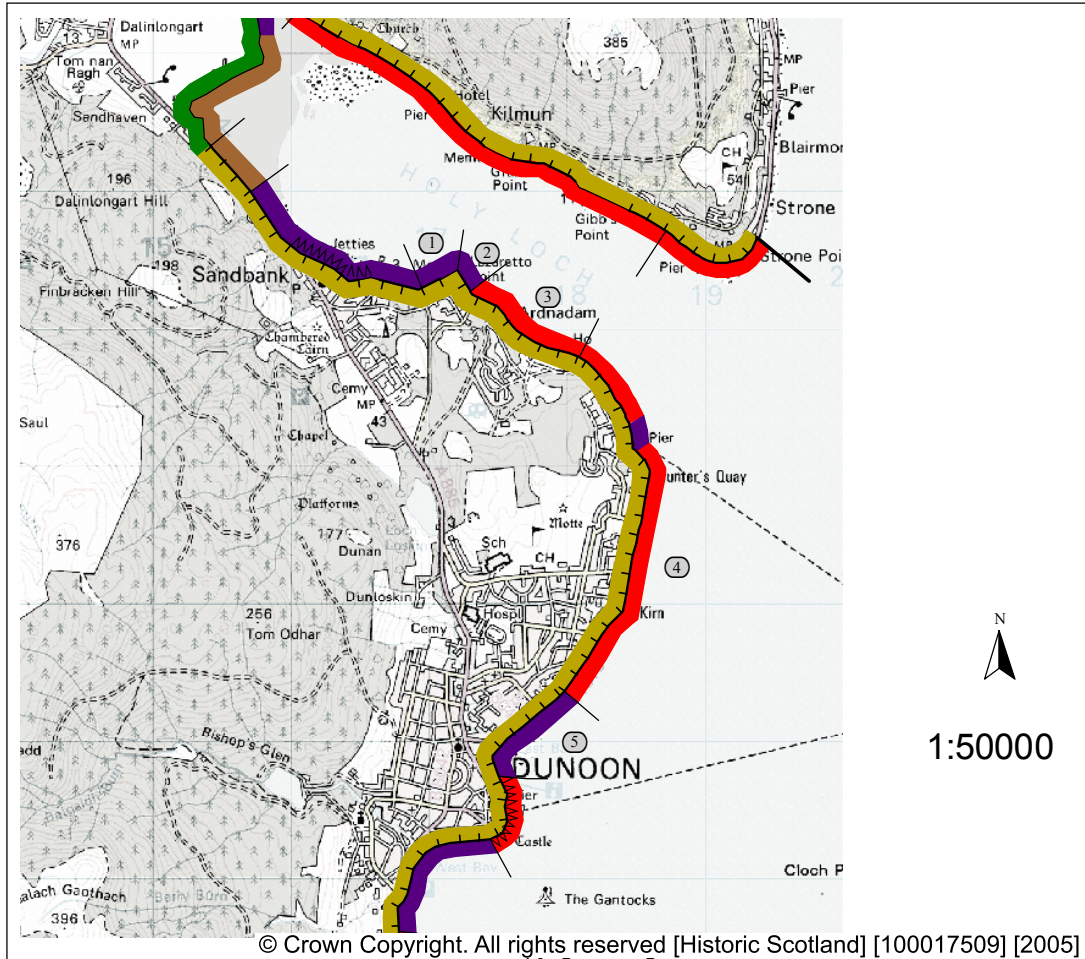
<b>Site No</b>	<b>C65</b>
<b>Grid Ref</b>	NS 18450 79080
<b>Site Name</b>	Hunter's Quay
<b>Site Type</b>	Club House
<b>Date</b>	18th-20th cent
<b>Condition</b>	Fair
<b>Recommendation</b>	Nil

# HINTERLAND GEOLOGY & COASTAL GEOMORPHOLOGY

Cowal Peninsula

Survey Date : 30 October 2002

MAP 2



## Map 2: Dunoon North

### Hinterland Geology and Coastal Geomorphology

#### **1 Lazereto Point – Western Section**

NS 1709 8047  
0.28 km  
Mainly sands  
Low edge <5 m  
Raised Beach

Lazereto Point is a narrow ness composed of sands and gravels protruding into the Holy Loch. The western facing beach has formed in the lee of Lazereto Point. The beach backs directly onto the coastal road (A815). The hinterland is composed of emerged beach deposits.

#### **2 Lazereto Point - Eastern Section**

NS 1731 8039  
0.18 km  
Mainly sands  
Sea Wall  
Raised Beach

Unsuccessful attempts have been made to protect the more exposed eastern section of Lazereto Point with cement based gabion baskets are currently being undermined and flanked. The sand and gravel beach has adjusted naturally to its wave and sediment supply, by erosion on its eastern beach supplying sediment to the western beach. The hinterland is composed of raised beach deposits.

#### **3 Hamilton House**

NS 1780 8003  
0.22 km  
Mainly rock platform  
Sea Wall  
Raised Beach

Throughout this section the road (A815) follows the shoreline. It is protected by a seawall and has varying amounts (<50% coverage) of sand and fine gravel present on the foreshore. Volumes of intertidal sediment increase at river mouths (sands and gravels). The hinterland is composed of emerged beach deposits.

#### **4 Hunters Quay & Kirn**

NS 1861 7861  
2.77 km  
Mainly rock platform  
Sea Wall  
Raised beach

A large seawall dominates this section of shoreline protecting the coastal road and the town of Dunoon. The large seawall has been constructed directly on top of bedrock. Isolated pockets of sands and gravels are located in the lee of artificial structures. The hinterland is composed of raised beach deposits.

## **5 Dunoon Harbour North**

NS 1771 7711

0.85 km

Mainly sands

Sea Wall

Raised beach

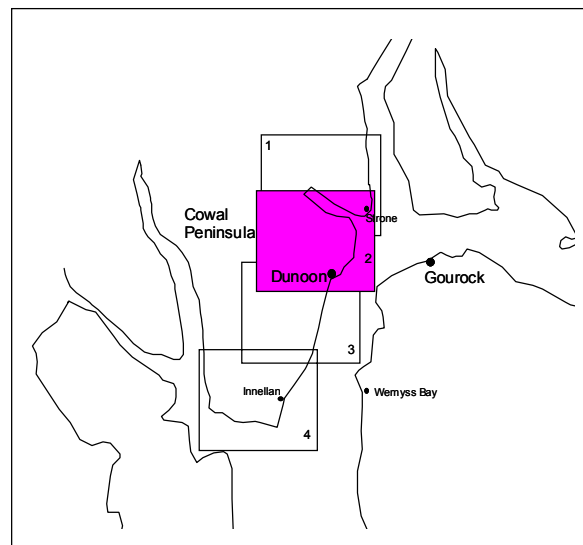
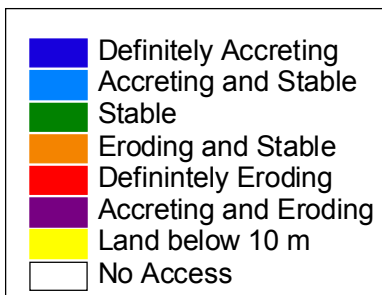
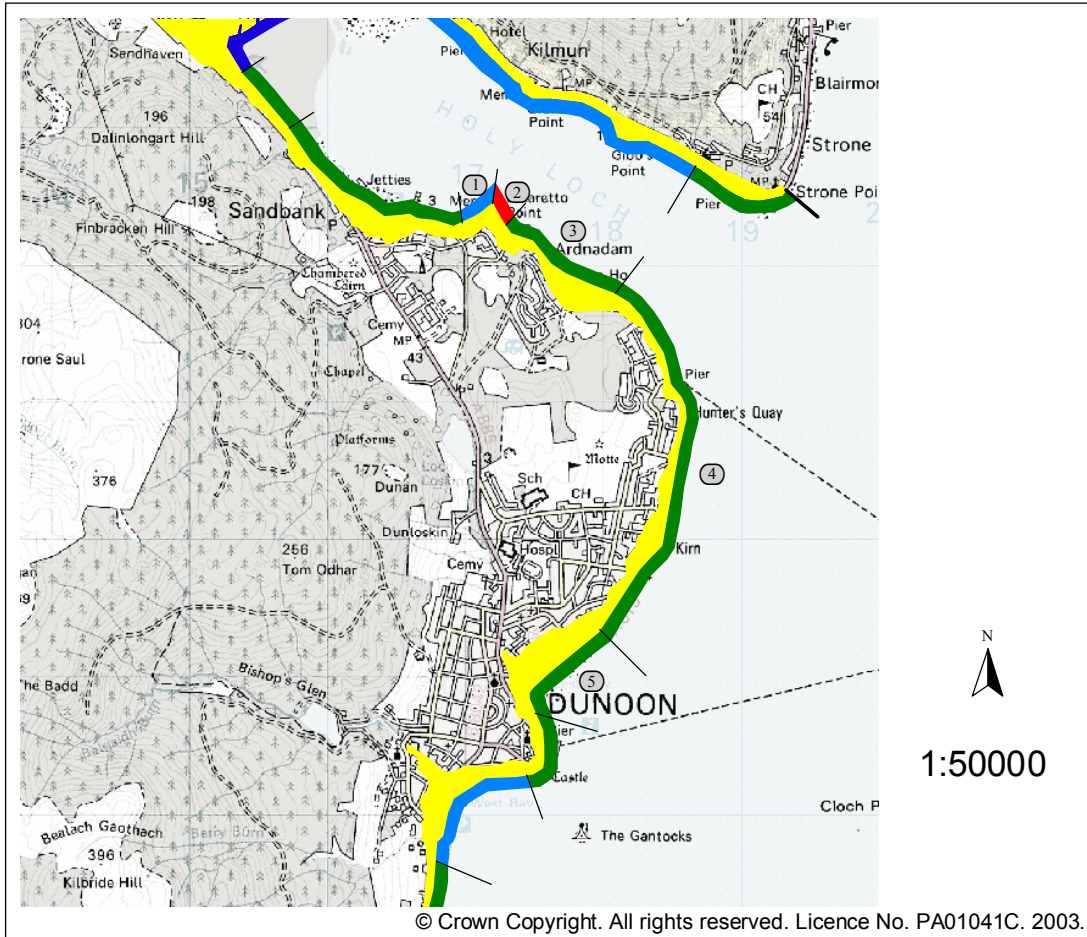
Sands and gravels have collected in the lee of Dunoon harbour. The large seawall backs these intertidal sediments and continues to the jetty. The hinterland is composed of emerged beach deposits.

# EROSION CLASS

Survey Date : 30 October 2002

# Cowal Peninsula

MAP 2





## Map 2: Dunoon North

### Erosion Class

#### **1 Lazereto Point – Western Section**

NS 1709 8047

0.28 km

LT: Accretional - Medium

ST: Accreting/stable - Medium

The western facing beach has formed in the lee of Lazereto Point, benefiting from lower wave energies than the more exposed eastern flank.

#### **2 Lazereto Point - Eastern Section**

NS 1731 8039

0.18 km

LT: Eroding/Stable - Medium

ST: Erosional - Medium

Cement based gabion baskets are currently being undermined and flanked. The sand and gravel beach has adjusted naturally to its wave and sediment supply, by erosion on its eastern beach supplying sediment to the western beach. This natural adjustment has isolated the static protection. Adjacent to the undercutting gabion baskets a section of the tarmac lay-by (A815) is being actively cliffed. Collectively a distance of 35 m is erosional. Sediment exchanges between the two sides of the ness are to be expected and allowed. The protection *required* for the Memorial is static and therefore cannot adjust with the two beaches. This is a classic example of the inability of hard engineering solutions to accommodate out flanking.

#### **3 Hamilton House**

NS 1780 8003

0.22 km

LT: Stable - Low

ST: Stable - Low

In all of this section the road (A815) follows the shoreline. It is protected by a seawall.

#### **4 Hunters Quay & Kirn**

NS 1861 7861

2.77 km

LT: Erosional - Low

ST: Stable - Low

A large seawall dominates this section of shoreline protecting the coastal road and the town of Dunoon. The large seawall shows no signs of undercutting.

#### **5 Dunoon Harbour North**

NS 1771 7711

0.85 km

LT: Erosional - Low

ST: Stable - Low

A large seawall backs the intertidal sediments that have gathered in the 'lee' of the harbour at Dunoon and continues to the jetty.