

MAP 5: SANDHEAD TO WEST FREUGH

Hinterland Geology and Coastal Geomorphology: The hinterland geomorphology at this particular region of the coast is dominated by marine deposits. At the village of Sandhead the backshore region is flat and consists of sand and shingle. This gives way to a well developed 'hindshore' dune system known as Torrs Warren (designated as a SSSI) at the head of Luce Bay. A series of ridged dunes overlook a wide sandy beach.

Erosion Class: The foreshore at Sandhead village is accreting and stable as shingle is banked up at the HWM. Towards Sandmill Farm (Unit 2) the beach is stable. East of Clayshant the dunes overlooking the beach are suffering from minor erosion due to the outflow of a small burn. Single and Hanson (1994) mention that the dune system is exceptionally stable over most of the area owing to near continuous vegetation cover and the removal of livestock. However, blow-out caused by rabbit colonisation could promote erosion of the dunes facing the sea.

Built Heritage & Archaeology: Only one archaeology site is situated in this section. It is a mid-twentieth century bombing target and is not threatened.

Map 5: Hinterland Geology and Coastal Geomorphology

1. SANDHEAD to CARISBROOKE

CARAVAN PARK

NX 210 505

0.5km

Low edge (< 5m)

Mainly marine sands and gravels

Marine derived sands and gravels consolidated by grass banks. The foreshore is mainly sand and poorly sorted pebbles and shingle.

2. LUCE SANDS M.O.D. FIRING RANGE

NX 142 542

9km

Low edge (< 5m)

Sand dunes

The head of Luce Bay is a well formed 'hindshore' dune system with crescent shaped sand ridges. The foreshore is a sand with shingle in parts.

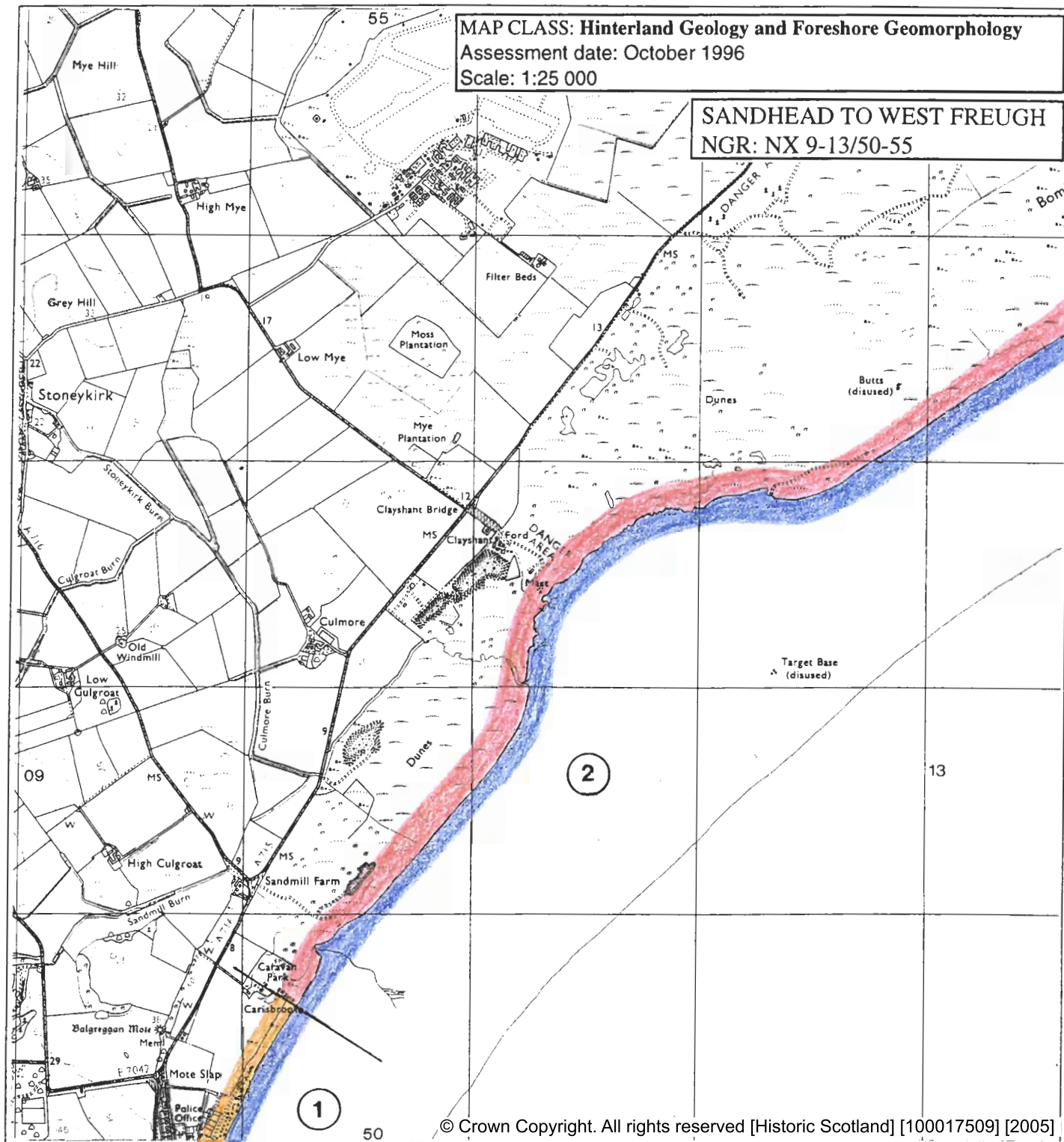
MAP CLASS: Hinterland Geology and Foreshore Geomorphology

Assessment date: October 1996

Scale: 1:25 000

SANDHEAD TO WEST FREUGH

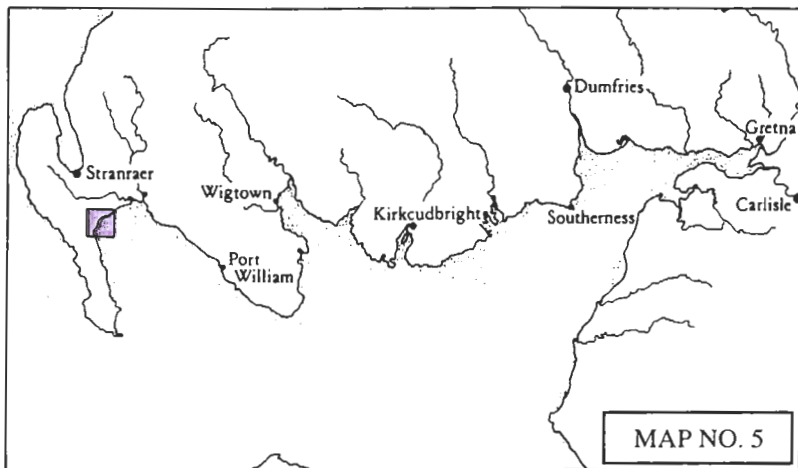
NGR: NX 9-13/50-55



© Crown Copyright. All rights reserved [Historic Scotland] [100017509] [2005]

KEY

| Hinterland Geology | Derwent Code | Colour |
|---------------------------------------|------------------------|--------|
| Drift, boulder clay | French Grey | |
| Drift, boulder clay over visible rock | Dark Violet | |
| Raised beach and marine deposits | Golden Brown | |
| Blown sand | Pink Madder Lake | |
| Glacial sand and gravel | Magenta | |
| Alluvium | Emerald Green | |
| Coastal Geomorphology | | |
| Mainly rock platform | Deep vermilion | |
| Mainly sand | Ultramarine | |
| Mainly alluvial/marine mud | Venetian Red | |
| Marsh | May Green | |
| Coast Edge | | |
| Low edge (<5m) | Thin black line | |
| Cliff (>5m) | Solid black line | |
| Man made barrier | Black line with spines | |
| Shingle beach | Small circles | |
| Human disturbance | Black carats | |



MAP NO. 5

MAP 5: EROSION

1. SANDHEAD BAY to CARISBROOKE

NX 210 303

1.2km

Accreting or stable

This unit appears to be stable with accretion of shingle against a grassy foreshore.

2. CARISBROOKE to south of CLAYSHANT FORD

NX 211 516

1.8km

Stable

This unit forms part of the western reach of Luce Sands and consists of a fairly wide intertidal zone (c.0.8km) of sand. The backshore region consists of vegetated sand dunes.

3. CLAYSHANT

NX 113 524

0.5km

Eroding or stable

This unit consists of sand dunes that are eroding due deflation and water erosion from a burn that flows past Clayshant farm. The loss of sand in the backshore region appears to be severe in parts.

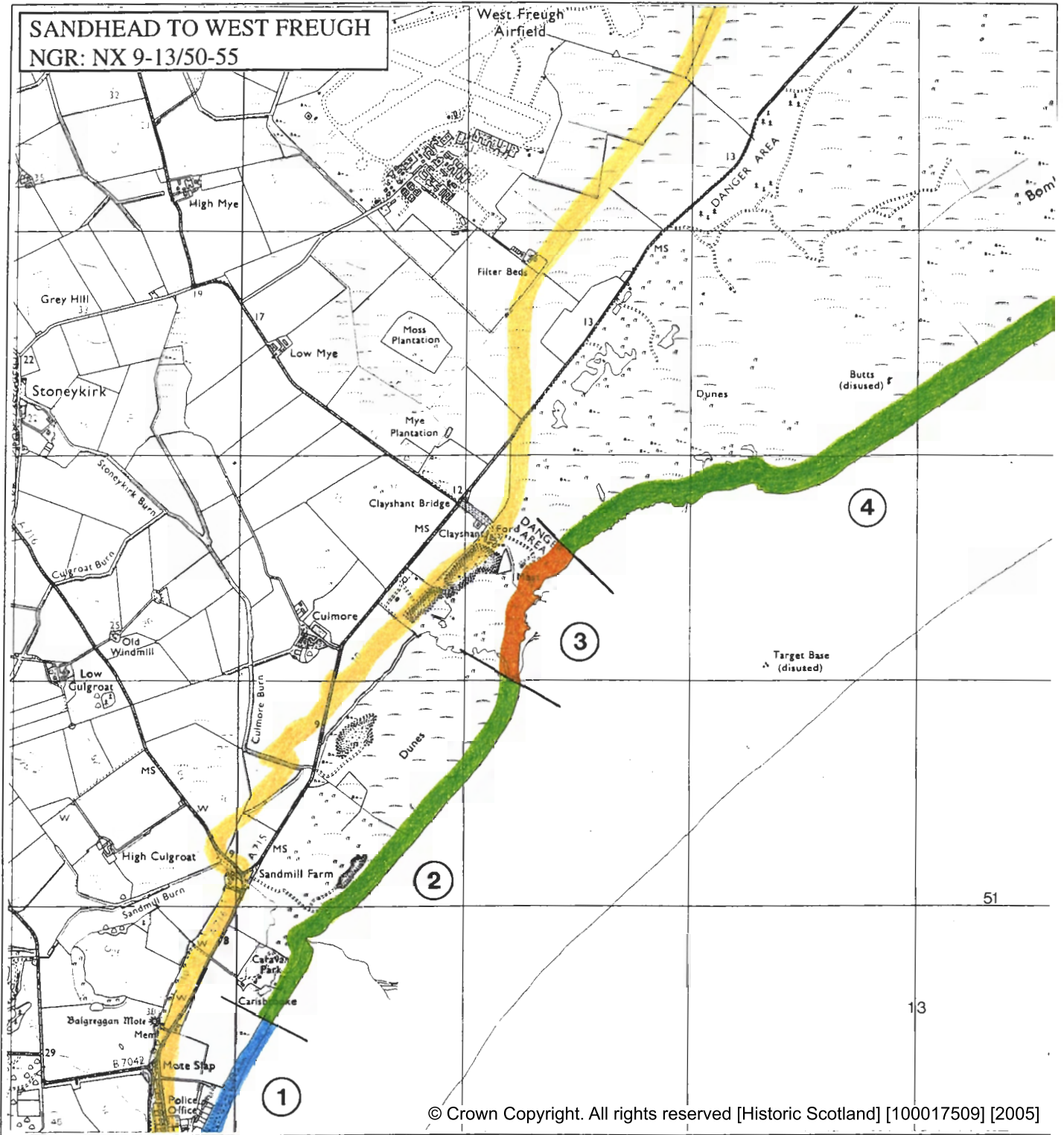
4. CLAYSHANT to RINGDOO SANDS

NX 140 540

7.5km

Stable

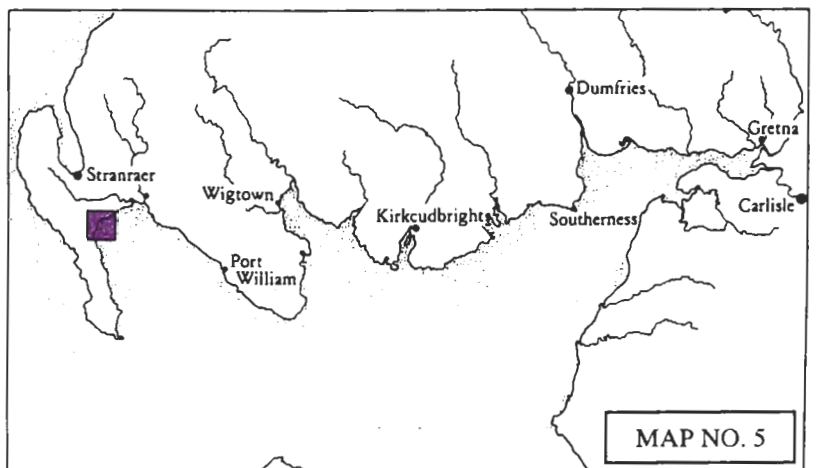
This unit forms the head of Luce Sands and is a fairly uniform stretch of coastline comprising stable sandunes stabilised by dense bracken and heather. The wide intertidal zone is sandy and boulder free.



KEY

| Erosion class | Derwent Code | Colour |
|----------------------------|-----------------|--------|
| Definitely accreting | Prussian Blue | |
| Accreting/stable | Light Blue | |
| Stable | Grass Green | |
| Stable/eroding | Deep Chrome | |
| Definitely eroding | Deep Vermilion | |
| Both accreting and eroding | Imperial Purple | |
| No access | Blank | |
| Land below 10m | Straw Yellow | |

MAP CLASS: EROSION
Assessment date: 17.9.96
Scale 1:25 000



MAP 5: BUILT HERITAGE AND ARCHAEOLOGY

Sites on the Coast & Foreshore

NX 1234 5207
LUCE SANDS
Disused Target Base
Uncertain
Good
Nil

Sites in the Hinterland

None

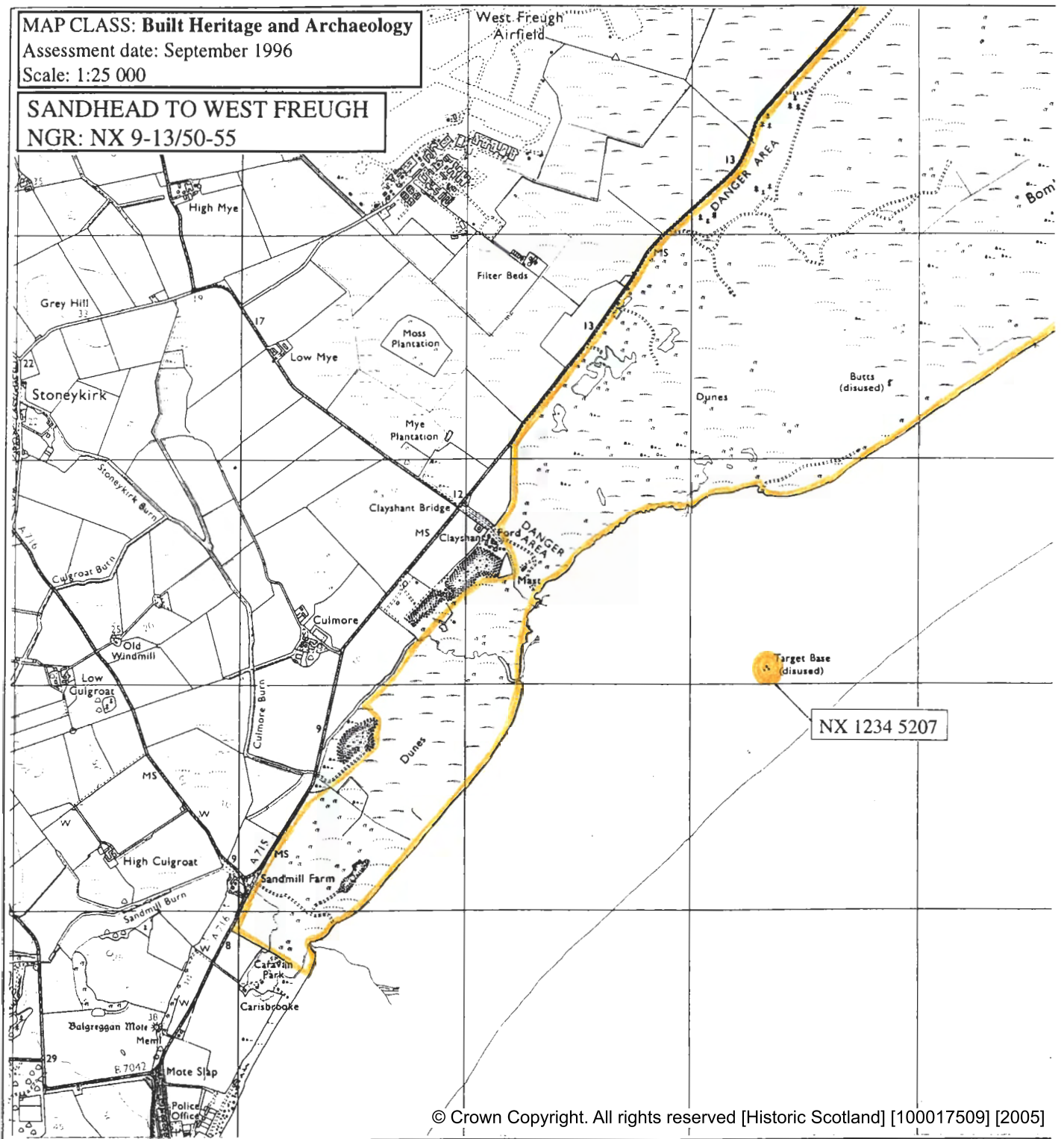
MAP CLASS: Built Heritage and Archaeology

Assessment date: September 1996

Scale: 1:25 000

SANDHEAD TO WEST FREUGH

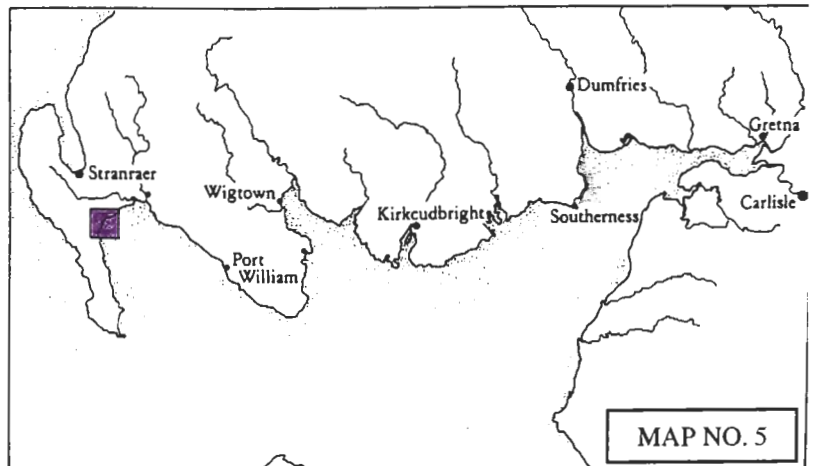
NGR: NX 9-13/50-55



© Crown Copyright. All rights reserved [Historic Scotland] [100017509] [2005]

KEY

| Site location | Symbol | Colour | Significance |
|-----------------|----------------------------|--------|---|
| NGR ref. - eg. | Roundel - Solid, (or area) | Red | Protected Ancient Monument |
| | Cross | Red | Listed Historic Building |
| NX 143 368 | Roundel - Open, (or area) | Red | Monument formally proposed by Historic Scotland for designation |
| | Roundel - Solid, (or area) | Yellow | Other known Ancient Monument |
| NMRS ref. - eg. | Dashed outline | Yellow | Gardens/Designed landscape |
| NX13 SW17 | Roundel - Solid, (or area) | Yellow | Undesignated wreck |
| | Area | Green | Insufficient information; more work needed |
| | Area | Blue | Probably archaeologically sterile |



MAP NO. 5

