

MAP 30: DUNROD POINT TO SENWICK WOOD

Hinterland Geology and Coastal Geomorphology: Between Faulbog Bay and Ross Bay an isthmus forms a narrow neck of land leading to the promontory headland of Meikle Ross which stands at 90m O.D. The coastline north of Gallant Buoys is irregular with a high cliff-edge. Much of this region is covered with till over exposed rock. Morainic drift outcrops over rock cliffs at Slack Heugh Bay (see Unit 2). The head of Ross Bay has glacial sands and gravels, and marine sands. From Gallant Bouys onwards the cliffs are covered with till.

Erosion Class: From Dunrod Point to Blackstone the exposed coastal edge is considered to be definitely eroding. Cliff retreat has exposed wide greywackee platforms. Within Ross Bay sand is accreting owing to its fairly sheltered position. The head of the bay is stable as shingle and sand are banked up at the current HWMS. The northern side of the bay and further north from Gallant Buoys the coast forms the middle estuary of Kirkudbright Bay and is more sheltered than in the region of the promontory. As a result of its more sheltered easterly aspect this region of the coast is classified as eroding or stable.

Built Heritage & Archaeology: All sites in this section are located in the hinterland of the coast and are therefore not susceptible to coastal erosion. They include a lighthouse, the remains of a church and graveyard, a shieling and cord rig agriculture. Monitoring is not deemed necessary.

Map 30: Hinterland Geology and Coastal Geomorphology

1. MANXMAN'S ROCKS to FAULDBOG

BAY

NX 685 445

5km

Cliff (< 10m)

Till and drift deposits over exposed rock

This is an exposed irregular coast including Brighthouse Bay (NX 635455). The cliff-edge is fractured and incised. Greywackee platforms are exposed throughout this unit. Brighthouse bay is exposed at low water and consists of mainly sand and shingle up to the MHWL.

2. FOULDBOG BAY to GALLANT BUOYS

NX 646 434

5km

Cliff (>10m)

Till over exposed rock

This unit consists of the Meikle Ross which is an exposed promontory headland at the mouth of Kirkudbright Bay. The cliff-edge is irregular and gullies have been formed between softer cleavage joints within the greywackee platforms. Ross Bay has outcropping glacial sands and gravels at its head. The foreshore in the bay is mainly sand with outcropping rock.

3. GALLANT BUOYS north to NUN MILL

BAY

NX 658 466

5m

Cliff (< 10m)

Till over visible rock

Middle estuary of Kirkudbright Bay. The coastal edge is fractured and overlain by till. In the south greywackee outcrops on the foreshore. Towards Nun Mill Bay wide tidal sand flats bounded by a beach with poorly sorted boulders and shingle.

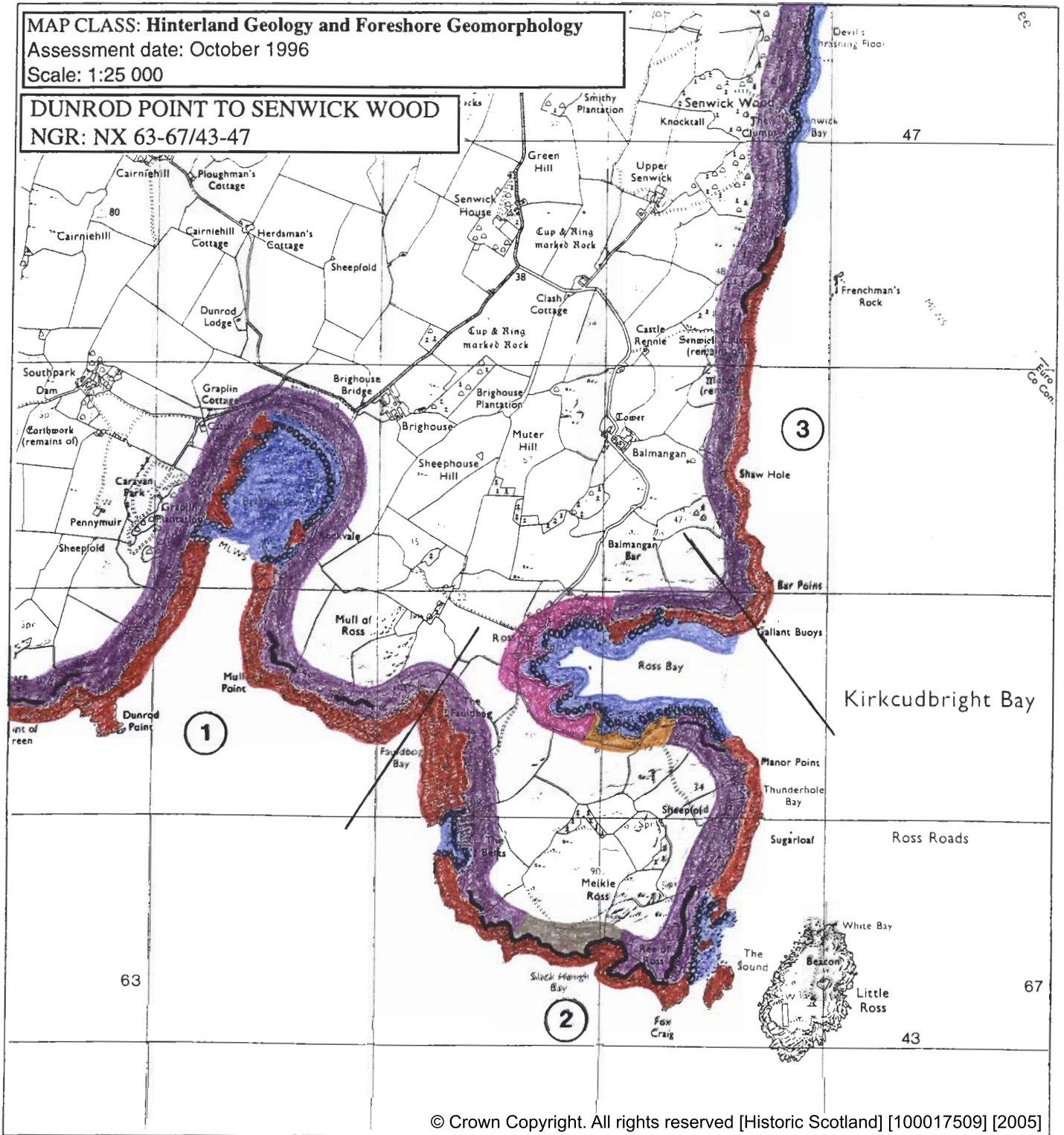
MAP CLASS: Hinterland Geology and Foreshore Geomorphology

Assessment date: October 1996

Scale: 1:25 000

DUNROD POINT TO SENWICK WOOD

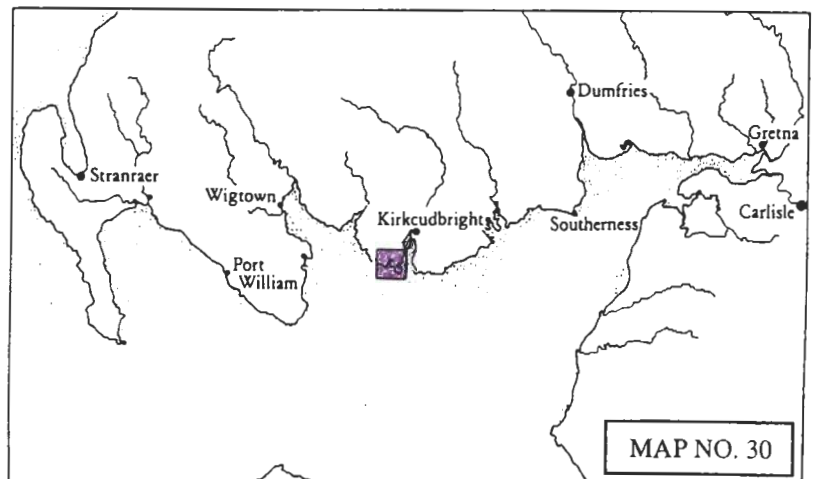
NGR: NX 63-67/43-47



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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 30: EROSION

1. MULL POINT to BLACKSTONE

NX 654 432

4.9km

Definitely eroding

This region of coastline is extremely exposed from Mull Point to Fox Craig (NX 650433). The cliff edge is incised with numerous gullies and exposed rock platform. The promontory headland has precipitous cliffs that are open to south westerly gales. Wave action is high and erosion is considered to be slow to moderate owing to the resilience of the Wenlock Series Greywackees.

2. BLACKSTONE to GALLANT BOUYS

NX 647 447

1.6km

Stable and eroding or stable

This unit comprises Ross Bay which is sheltered from extreme weather. The head of the bay is stable with saltmarsh vegetation. The northern shore of the bay is rocky which appears to be stable.

3. GALLANT BOUYS to NUN MILL BAY

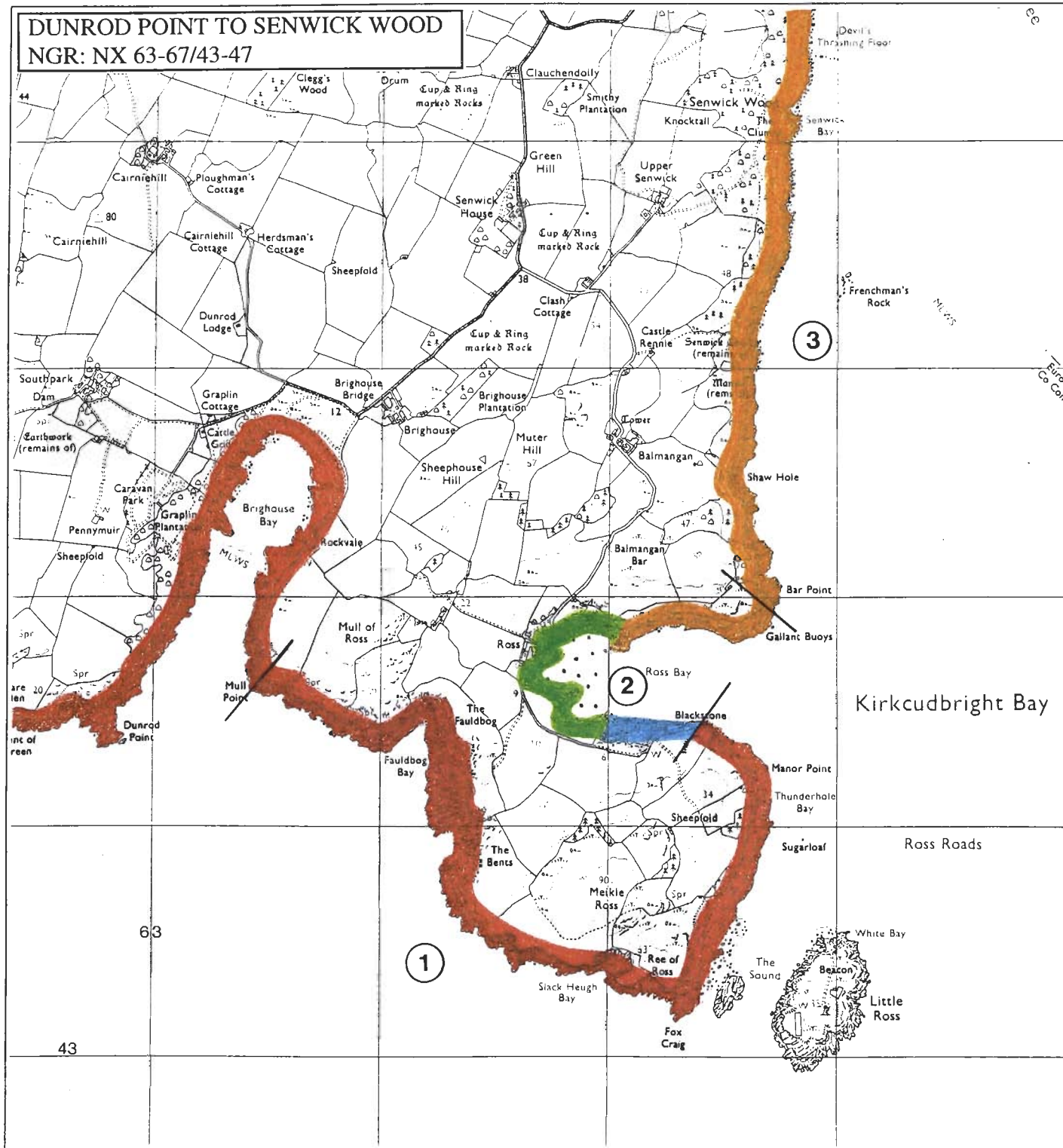
NX 658 470

3.5km

Eroding or stable

Moderately incised low cliff-edge characterise this unit. At Shaw Hole the cliffs are scoured into narrow gullies. Further north the intertidal zone becomes much wider with mainly sand and poorly sorted boulders. Erosion is considered to be minimal along this stretch of coast due to its sheltered position.

DUNROD POINT TO SENWICK WOOD
NGR: NX 63-67/43-47



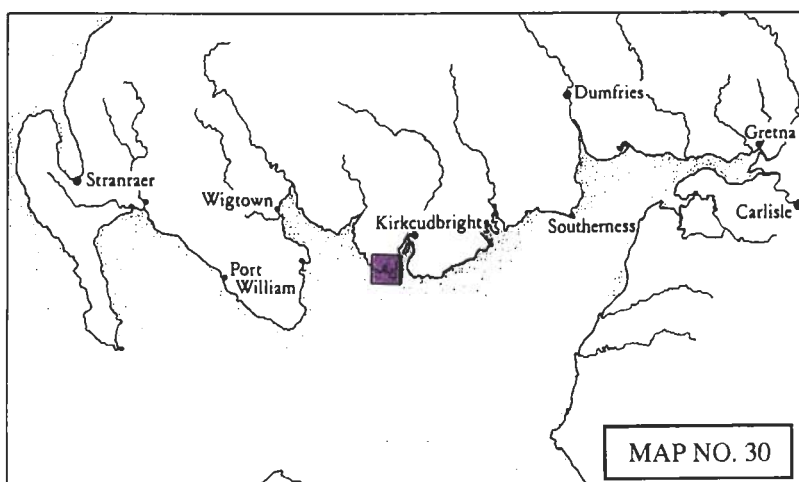
KEY

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: 03.10.96

Scale 1:25 000



MAP NO. 30

MAP 30: BUILT HERITAGE AND ARCHAEOLOGY

Sites on the Coast Edge & Foreshore

None

Sites in the Hinterland

NX 6445 4438
THE FAULDBOG
Shieling / Enclosure
Uncertain
Good
Nil

NX 6594 4320
LITTLE ROSS
Lighthouse
Statutory Listed Building
19th century
Uncertain; not visited
Nil

NX 65 44
MEIKLE ROSS
Cord Rig Agriculture
Uncertain
Uncertain; not visited
Nil

NX64NE 16 & 17
NX 6550 4600
SEWICK
Church, Graveyard & Manse
14th century - 17th century
Good
Nil

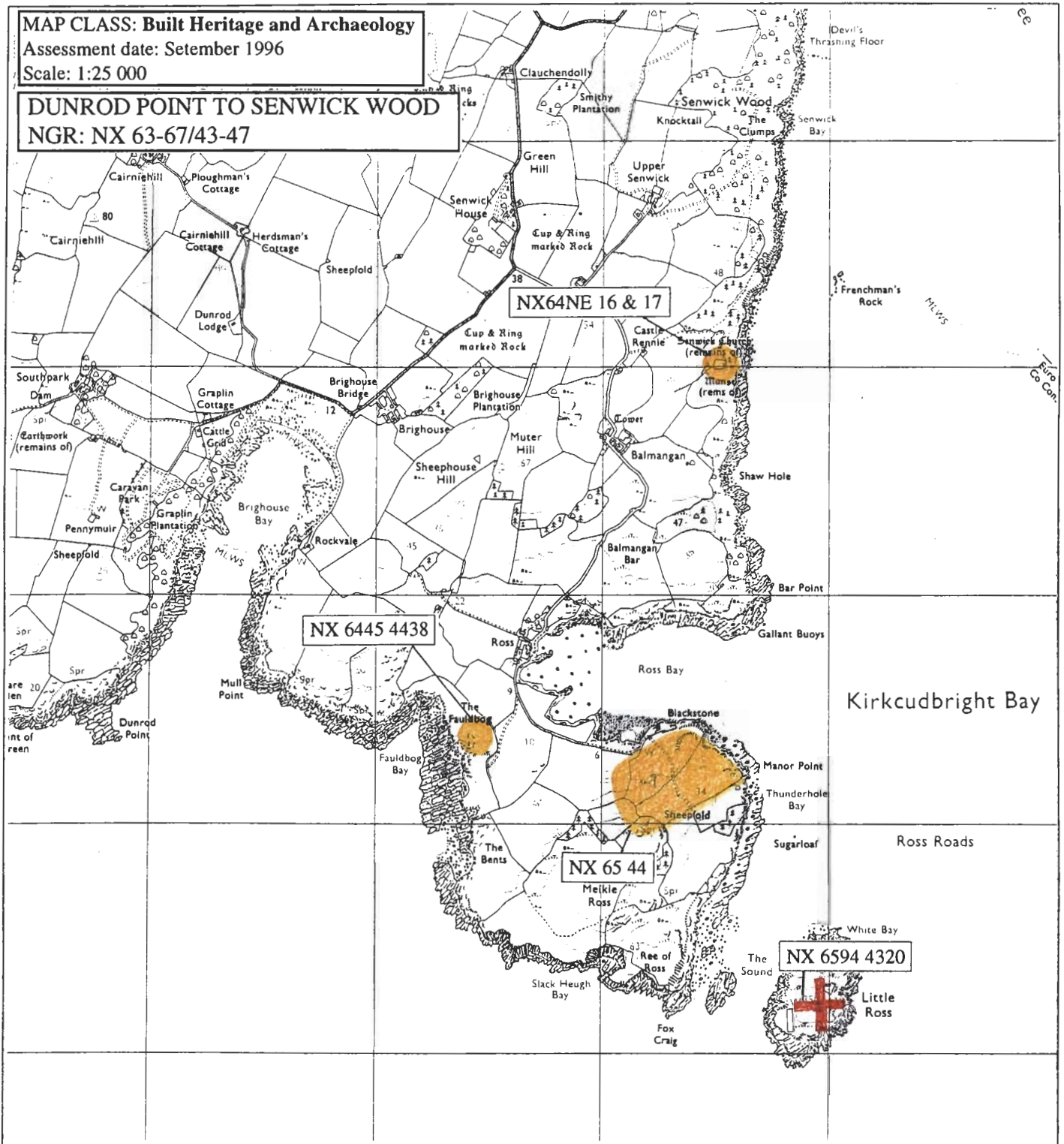
MAP CLASS: Built Heritage and Archaeology

Assessment date: Setember 1996

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NGR: NX 63-67/43-47



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

