

MAP 42: MERSEHEAD TO SOUTHERNESS

Hinterland Geology and Coastal Geomorphology: This particular stretch of the coastline is dominated by blown sand on coastal carse deposits. The dunes are extensive and run sub-parallel to the foreshore. The dunes protect merseland and on their seaward side and overlook sand-flats that have a wide intertidal area towards Southernness Point.

Erosion Class: No erosion is occurring along the dune system at the present.

Built Heritage & Archaeology: The remains of a quarry kiln near Southernness Point survives in this section of the coastline. Situated at the edge of the merseland behind the coastal edge, it is not susceptible to coastal erosion.

Map 42: Hinterland Geology and Coastal Geomorphology

1. BLACKBURN BRIDGE to west of SOUTERNESS POINT

NX 950 550

8.3km

Sand dunes

This unit has a uniform hinterland of Holocene raised sand and gravel coastal deposits that form a series of elongate terraces and ridges. These overlook wide sand flats with an estimated tidal reach (springs) of 4km towards Southerness Point.

2. SOUTERNESS POINT

NX 975 545

2km

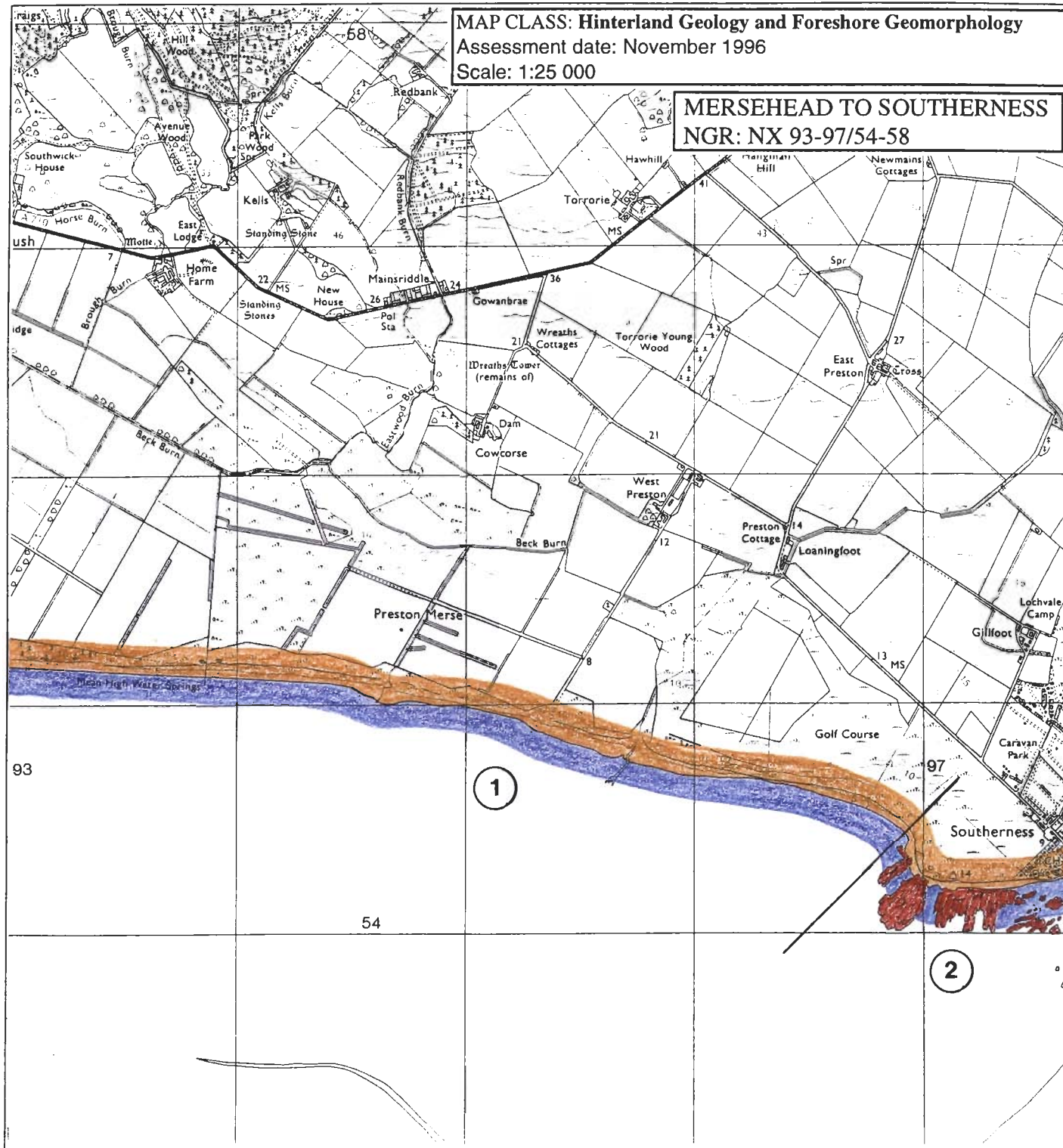
Low edge (< 5m)

Marine deposits over visible rock

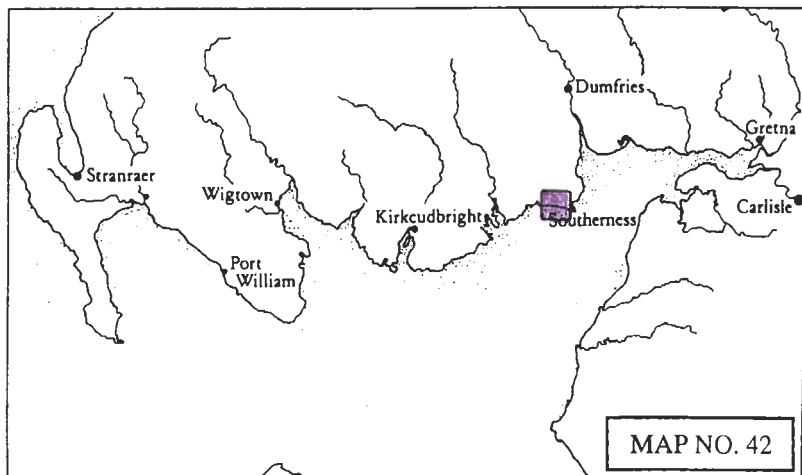
Southerness Point is a promontory headland with outcropping folded limestone platforms. The hinterland consists of marine sands and gravels.

MAP CLASS: Hinterland Geology and Foreshore Geomorphology
 Assessment date: November 1996
 Scale: 1:25 000

MERSEHEAD TO SOUTHERNESS
 NGR: NX 93-97/54-58



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 42: EROSION

1. South of PRESTON MERSE to west of
SOUTHERNESS POINT

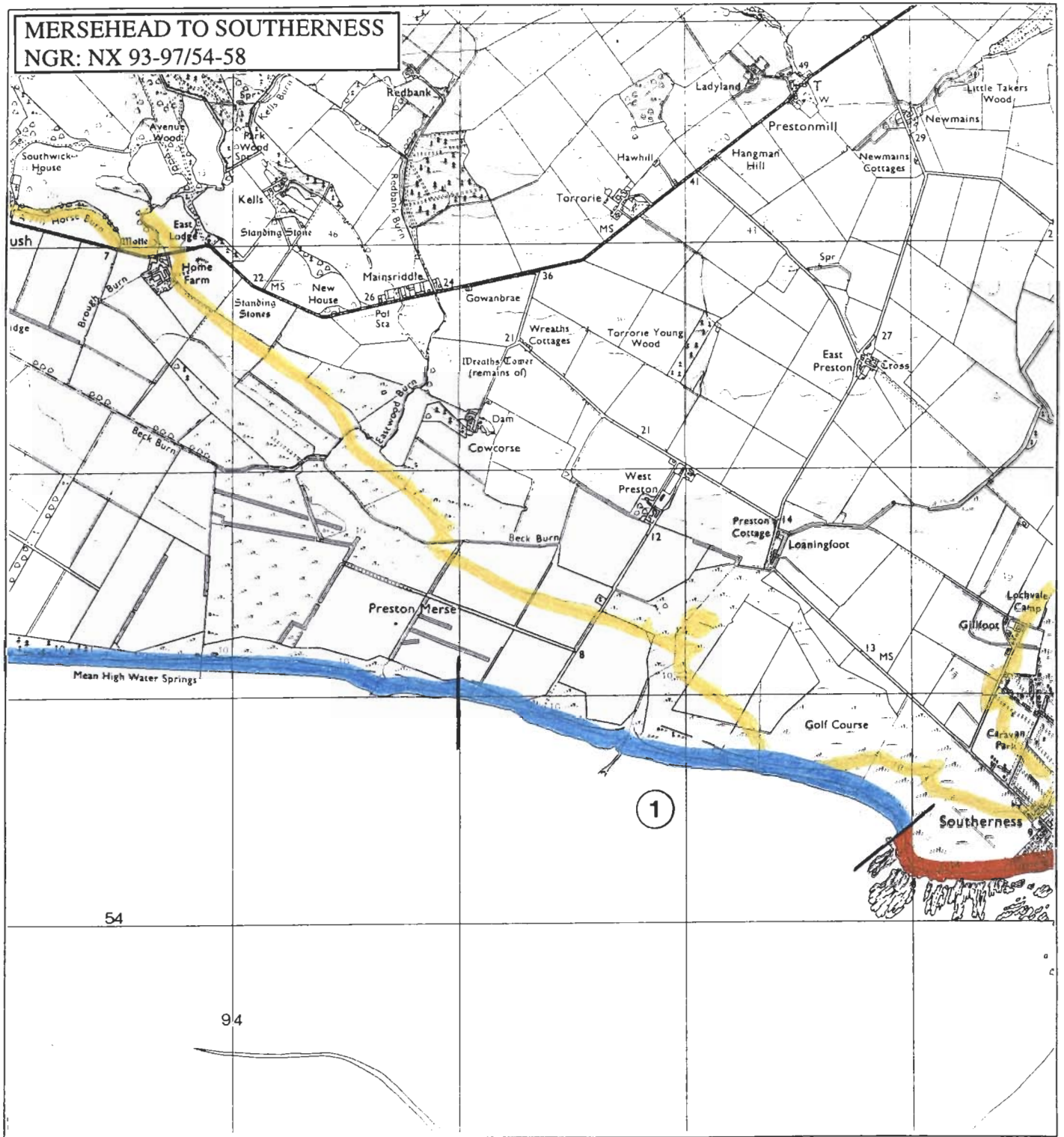
NX 957 547

2km

Accreting or stable

Continuation of the dune system with sandy
beach. No erosion is occurring at the present.

MERSEHEAD TO SOUTHERNESS
NGR: NX 93-97/54-58



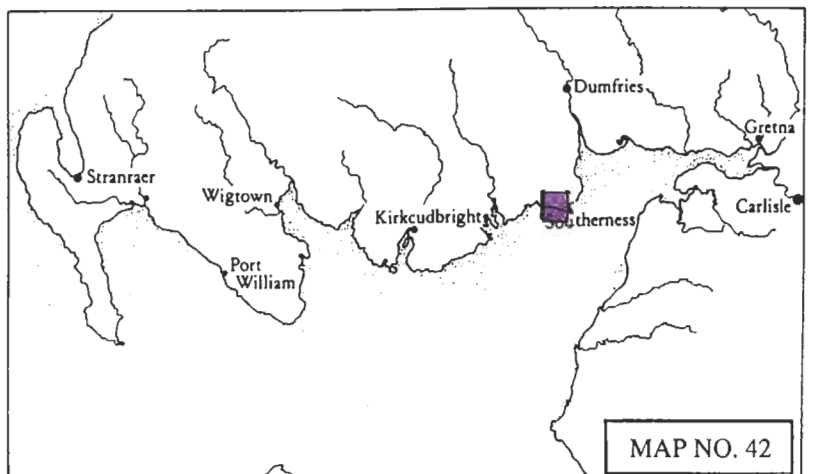
KEY

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: 10.10.96

Scale 1:25 000



MAP NO. 42

MAP 42: BUILT HERITAGE AND ARCHAEOLOGY

Sites on the Coast Edge & Foreshore

None

Sites in the Hinterland

NX 9705 5425
SOUTHERNESS
Quarry Kiln
Uncertain
Good
Nil

MAP CLASS: Built Heritage and Archaeology

Assessment date: October 1996

Scale: 1:25 000

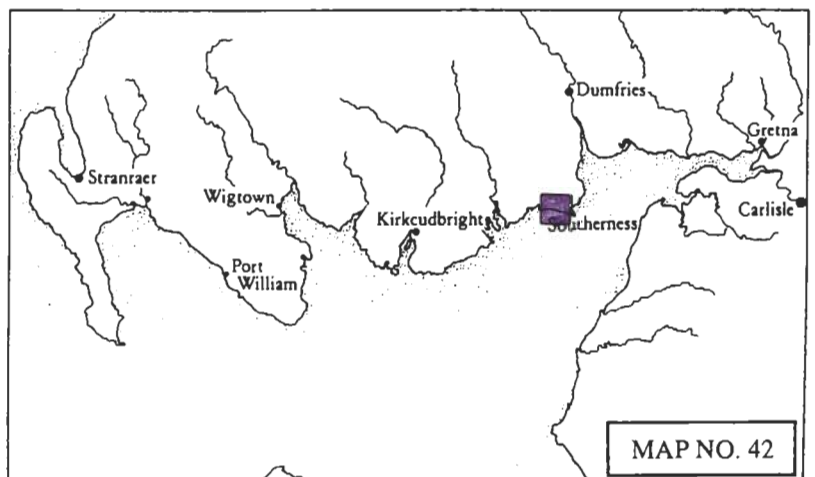
MERSEHEAD TO SOUTHERNESS

NGR: NX 93-97/54-58



KEY

Site location	Symbol	Colour	Significance
NGR ref. - eg. NX 143 368	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
	Dashed outline	Yellow	Gardens/Designed landscape
NMRS ref. - eg. NX 13 SW 17	Roundel - Solid, (or area)	Yellow	Undesignated wreck
	Area	Green	Insufficient information; more work needed
	Area	Blue	Probably archaeologically sterile



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