

MAP 45: CARSETHORN TO INGLESTON MERSE

Hinterland Geology and Coastal Geomorphology: This stretch of flat featureless coastline is dominated by merseland with a coastal edge lying below 5m O.D. The hinterland is dominated by estuarine and coastal-bar deposits. These “Carse Clays” (actually an admixture of fine textured silts and clays) indicate deposition in sheltered water conditions. The coastal edge is dominated by salt-marsh from Carse Bay to Burnfoot. Further north the coastline is more sheltered and estuarine.

Erosion Class: Salt-marsh protects the coastal edge from erosion and is generally stable. Local erosion is likely to arise where river channels flow close to the edge of the shoreline.

Accretion of estuarine mud will occur within the narrow drainage channels and these features are prone to erosion when the marsh is inundated on large spring tides.

Built Heritage & Archaeology: This stretch of the coastline again contains two distinct chronological groups; a Mesolithic group and a twentieth century group. The first group consists of two flint findspots; one represents a flint scatter found on the beach in Carse Bay, the other flint scatter was found near the mouth of Kirkbean Burn. Again owing to the inherent nature of these sites and the remit of the survey it was not possible to locate them. Two World War 2 watch towers, a pier and a set of fishing net stakes represent the other chronological group in this section. All the monuments are eroding, to varying degrees, and monitoring is recommended.

Map 45: Hinterland Geology and Coastal Geomorphology

1. HOGUS POINT to BURNFOOT

NX 991 599

6.2km

Low edge (< 5m)

Marine sands and gravels

This unit is part of the lower region of the Solway Firth. The coastal edge is uniform with a hinterland of low lying marine sands and gravels overlying Carse clays. The foreshore consists of low lying tidal flats of sand and gravel.

2. BURNFOOT to AIRNS POINT

NX 986 653

4km

Low edge (< 5m)

Marine sands and gravels

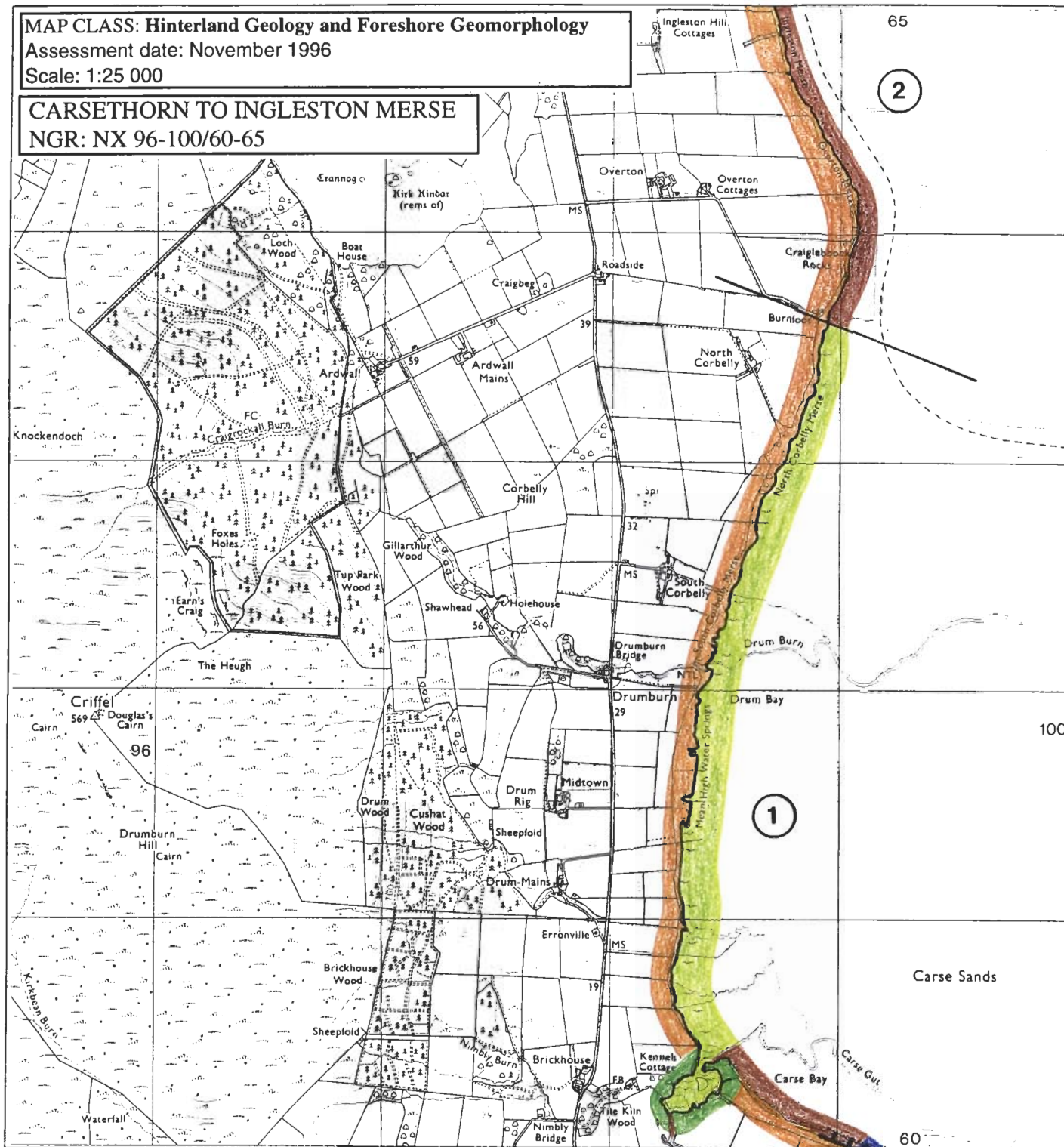
Marine sands and gravels overlie Carse clays. A cleft has been formed at Airds Merse possibly as a result of marine inundation. The foreshore consists of low lying tidal sand and mud flats.

MAP CLASS: Hinterland Geology and Foreshore Geomorphology

Assessment date: November 1996

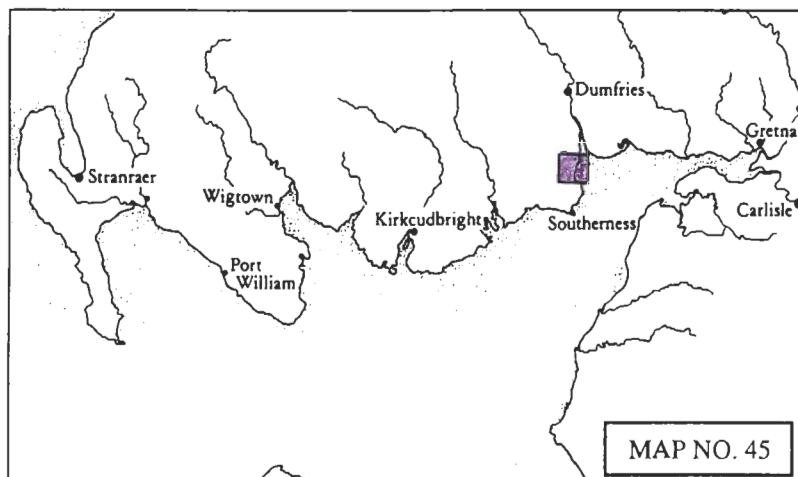
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CARSETHORN TO INGLESTON MERSE
NGR: NX 96-100/60-65



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	



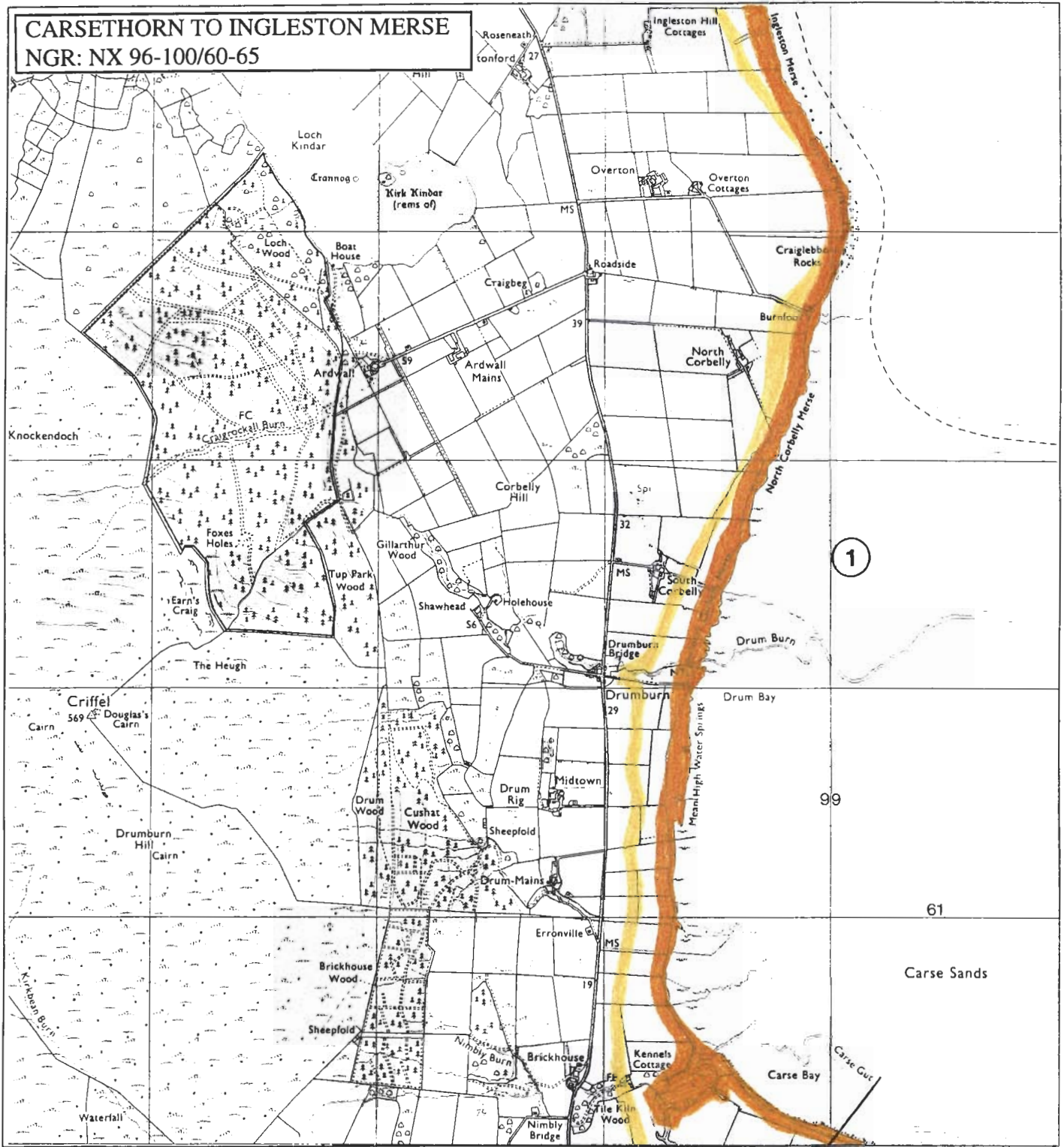
MAP 45: EROSION

1. CARSE BAY north to INGLESTON MERSE
NY 985 626
5.9km

Eroding or stable

This unit forms the estuary of the River Nith. The HWM is consolidated by marsh vegetation backing onto mud flats. Erosion by slope failure is occurring in parts but in general this region is stable.

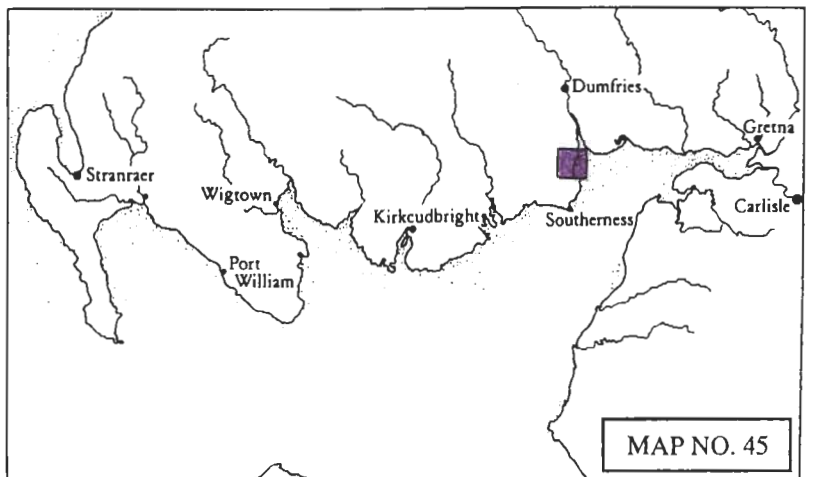
CARSETHORN TO INGLESTON MERSE
NGR: NX 96-100/60-65



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: 09.10.96
 Scale 1:25 000



MAP NO. 45

MAP 45: BUILT HERITAGE AND ARCHAEOLOGY

Sites on the Coast Edge & Foreshore

NX96SE 14
NX 9910 6004
CARSETHORN
Pier
Uncertain
Poor
Survey & Monitor

NX96SE 11
NX 9888 6011
CARSE BAY
Flints findspot
6th to 2nd Mill BC
Uncertain; not visited
Nil

NX 9872 6078
CARSE SANDS
Fishing Stakes
Uncertain
Poor
Monitor

NX 9854 6246
SOUTH CORBELLY
WW2 Watch Tower
Mid 20th century
Fair
Monitor

NX 9899 6341
BURNFOOT
Fishing Stakes
Uncertain
Poor
Monitor

Sites in the Hinterland

NX 9836 6018
CARSETHORN
WW2 Watch Tower
Mid 20th century
Good
Nil

NX96SE 12
NX 9850 6026
KIRKBEAN BURN
Flints findspot
6th to 2nd Mill. BC
Uncertain; not visited
Nil

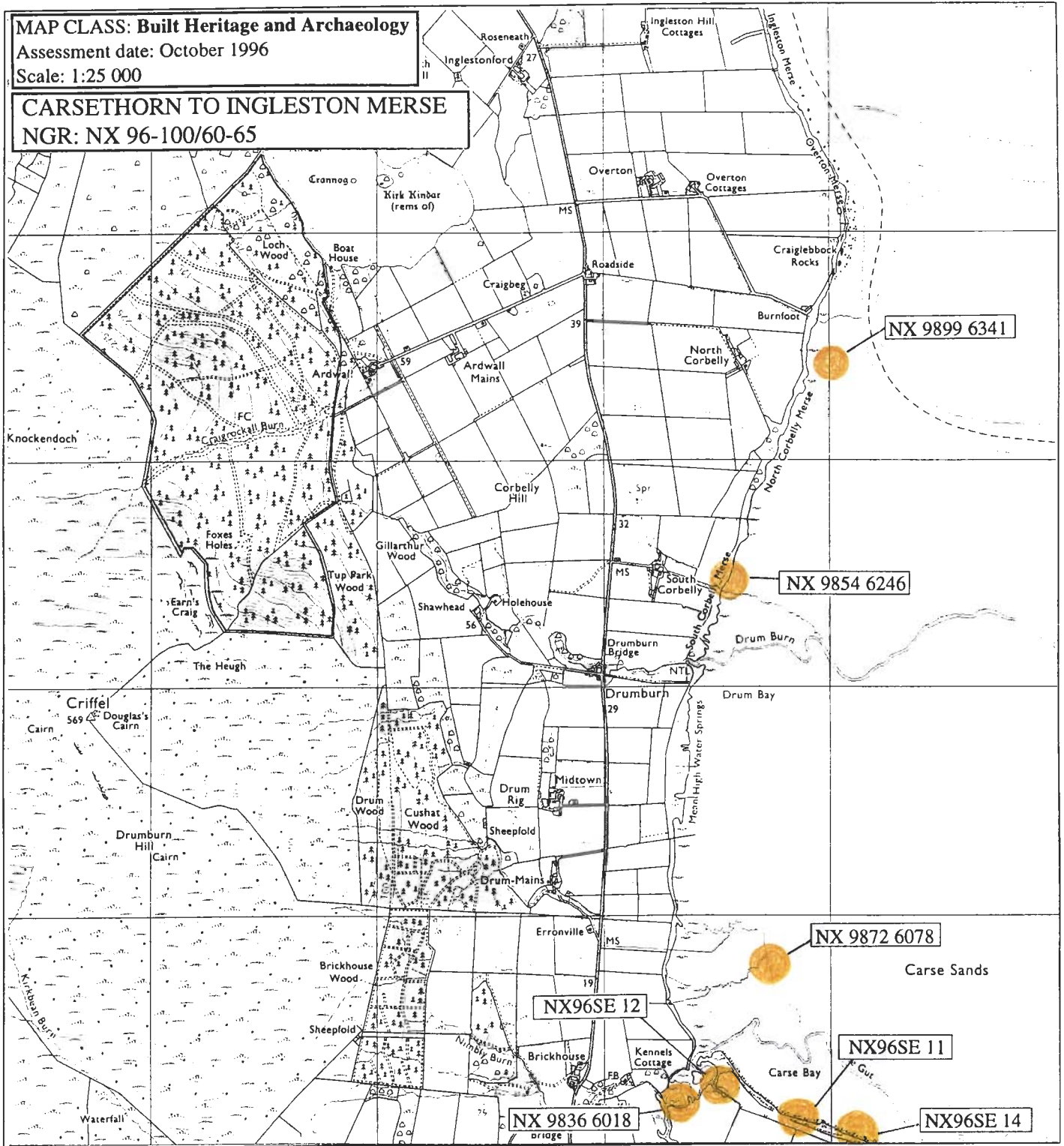
MAP CLASS: Built Heritage and Archaeology

Assessment date: October 1996

Scale: 1:25 000

CARSETHORN TO INGLESTON MERSE

NGR: NX 96-100/60-65



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
NX 13 SW 17	Roundel - Solid, (or area)	Yellow	Undesignated wreck
	Area	Green	Insufficient information; more work needed
	Area	Blue	Probably archaeologically sterile

