

MAP 52: EASTHOW CREEK TO POWFOOT

Hinterland Geology and Coastal Geomorphology: This section of coastline overlooks Priestside Bank which is a wide expanse of mud flats. Eastwards towards Powfoot, marine deposits overlie carse clay deposits. The featureless hinterland is below 10m O.D. A margin of salt-marsh overlooks the low mud-flats.

Erosion Class: The coastal-edge eastwards to Powfoot is stable owing to the presence of salt-marsh vegetation. Sediment loss is likely to be high when flooding is extreme. The coastal edge in front of Powfoot is suffering intense erosion. The cliff section is soft sand and gravels and attempts to consolidate it with concrete sea walls has failed. Boulders and concrete are strewn along the foreshore which is leading to further abrasion at the base of the low cliff-edge.

Built Heritage & Archaeology: Powfoot harbour is recorded in the NMRS in this section. However, no remains of a harbour could be found in the field survey.

Map 52: Hinterland Geology and Coastal Geomorphology

1. South of MID UPPER PRIESTSIDE to
POWFOOT

NY 125 650

5km

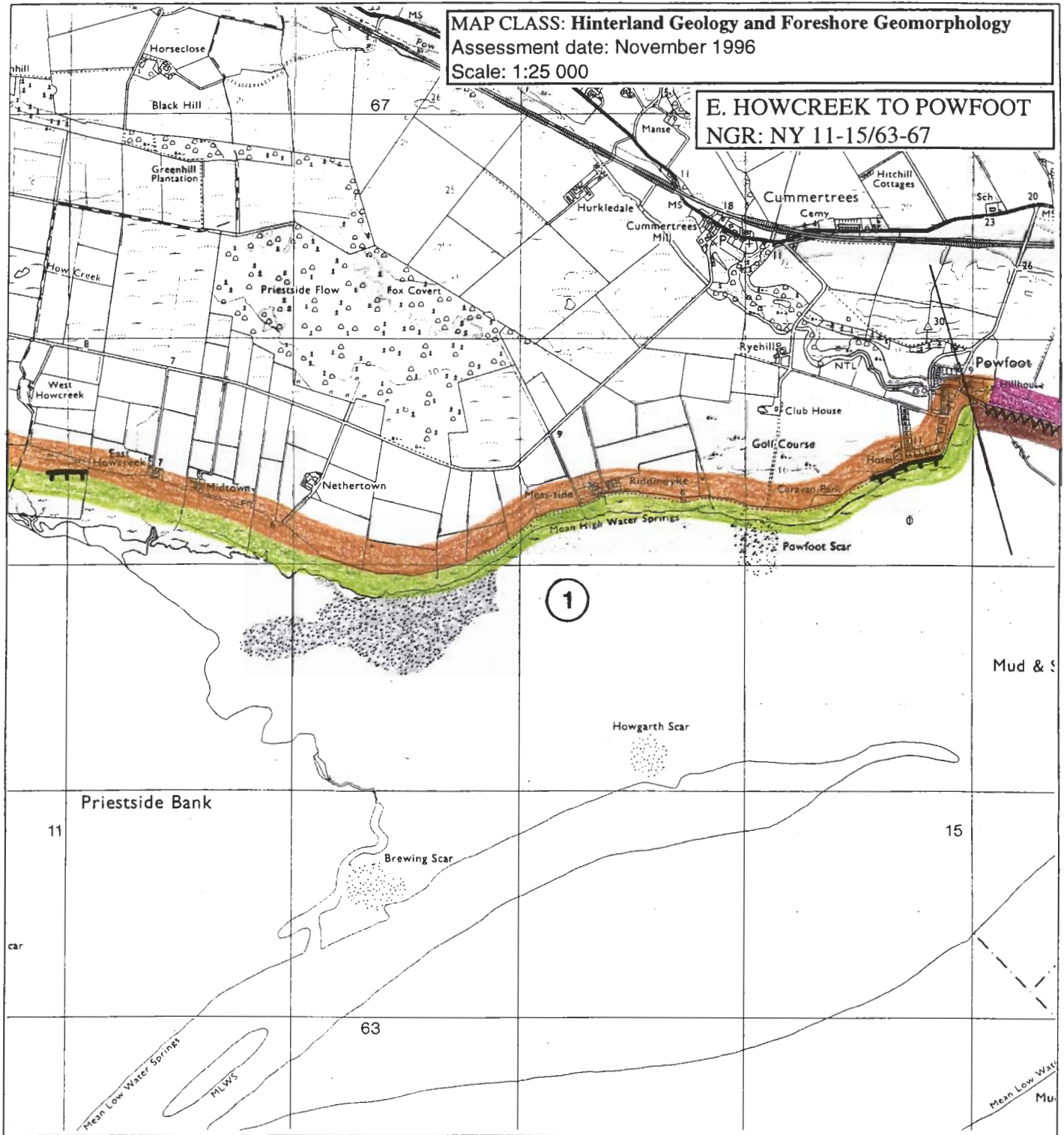
Low edge (< 5m)

Marine sands and gravels over carse clays

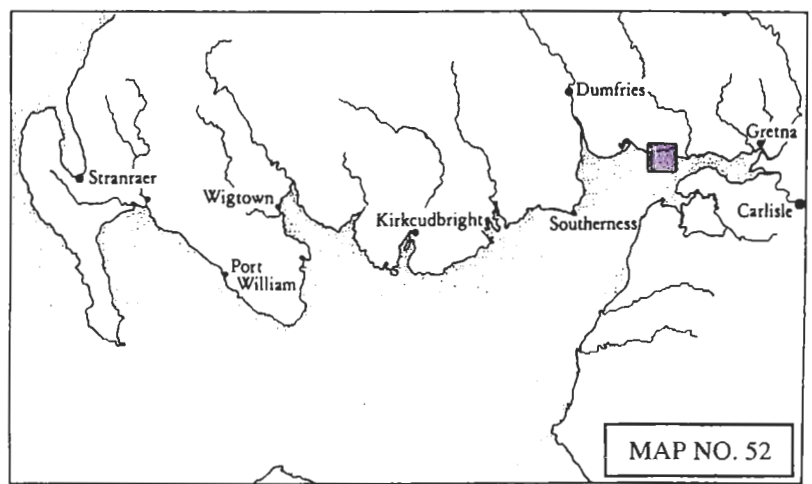
Lower estuary of the River Eden. The hinterland consists of low lying marine sands and gravels over Carse clays. The shoreline is mainly salt-marsh which skirts boulder beds and tidal mud flats.

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

E. HOWCREEK TO POWFOOT
 NGR: NY 11-15/63-67



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. 52

MAP 52: EROSION

1. South of EAST UPPERPRIEST SIDE to
POWFOOT
NY 125 650
5.4k

Eroding or stable

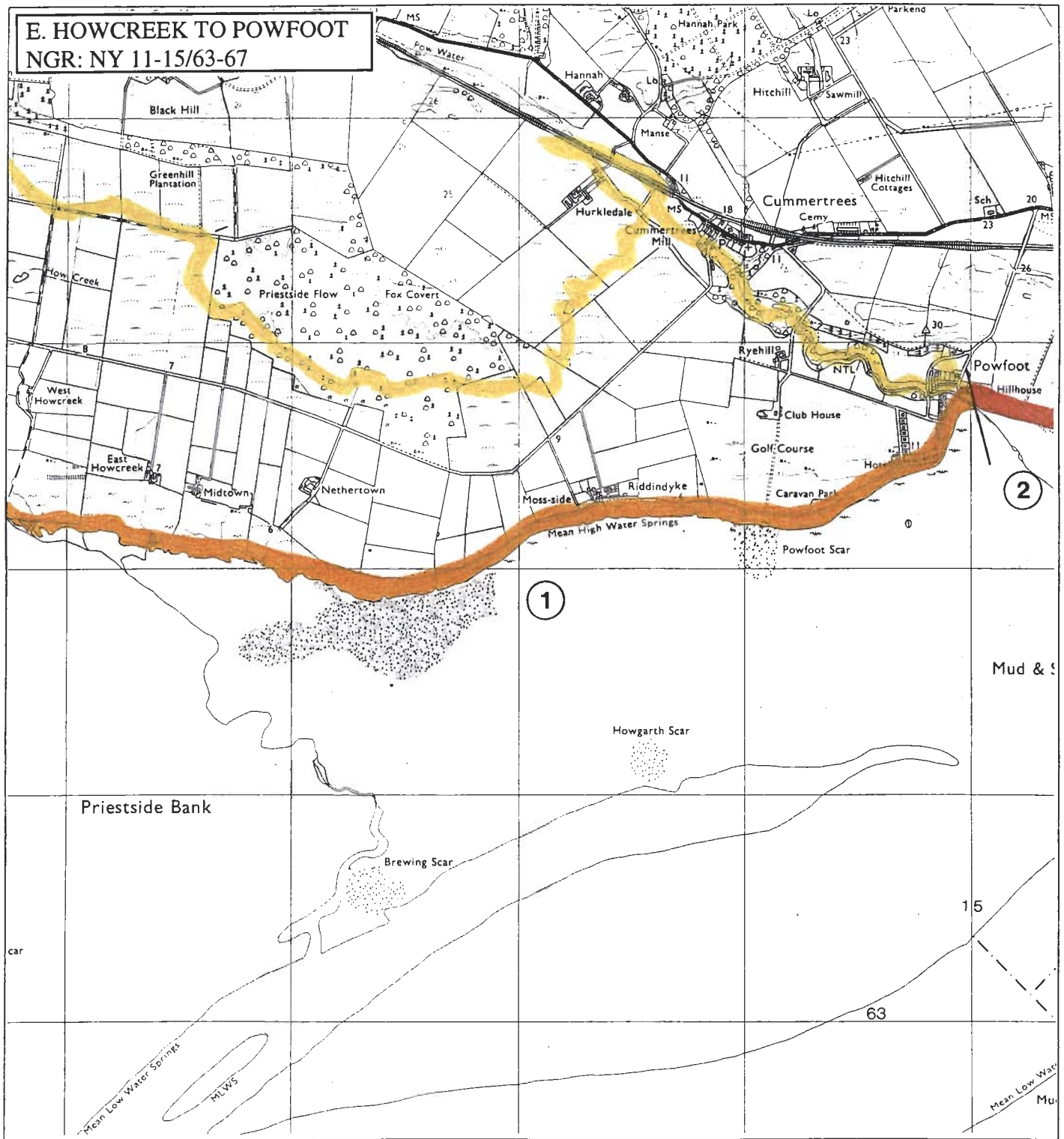
Flat low intertidal area with mud flats and shingle beds that are eroding at the MHW. The coastal edge is broken in parts by drainage channels that are stabilised by saltmarsh vegetation.

2. POWFOOT to BARNKIRK POINT
NY 183 464
4.5km

Definitely eroding

This unit has a very unstable coastline effected by storm damage. The cliff section c. 200 east of Hillhouse (NY 162658) shows evidence for severe erosion and slope failure. Concrete and builders rubble have been used to consolidate the cliff but this is failing badly. Concrete and brick debris is scattered along wide stretches of this soft coastline.

E. HOWCREEK TO POWFOOT
NGR: NY 11-15/63-67



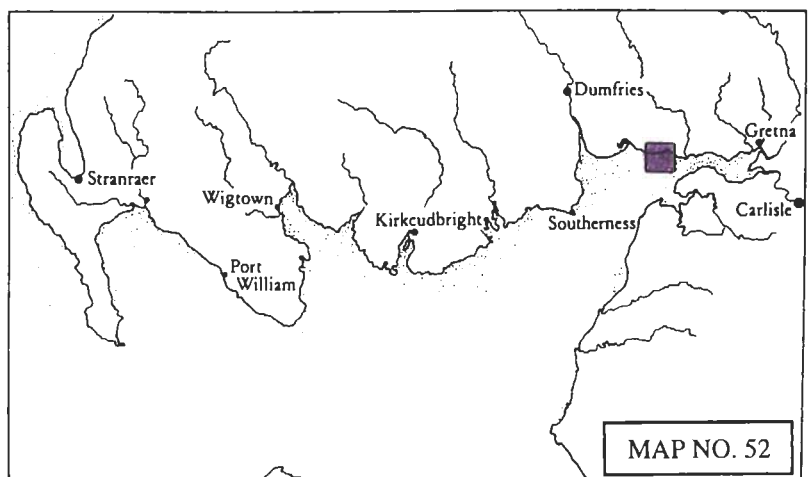
KEY

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: 08.10.96

Scale 1:25 000



MAP NO. 52

MAP 52: BUILT HERITAGE AND ARCHAEOLOGY

Sites on the Coast Edge & Foreshore

NY16NE 27
NY 1500 6570
POWFOOT HARBOUR
Harbour
Uncertain
Uncertain; not located
Nil

Sites in the Hinterland

None

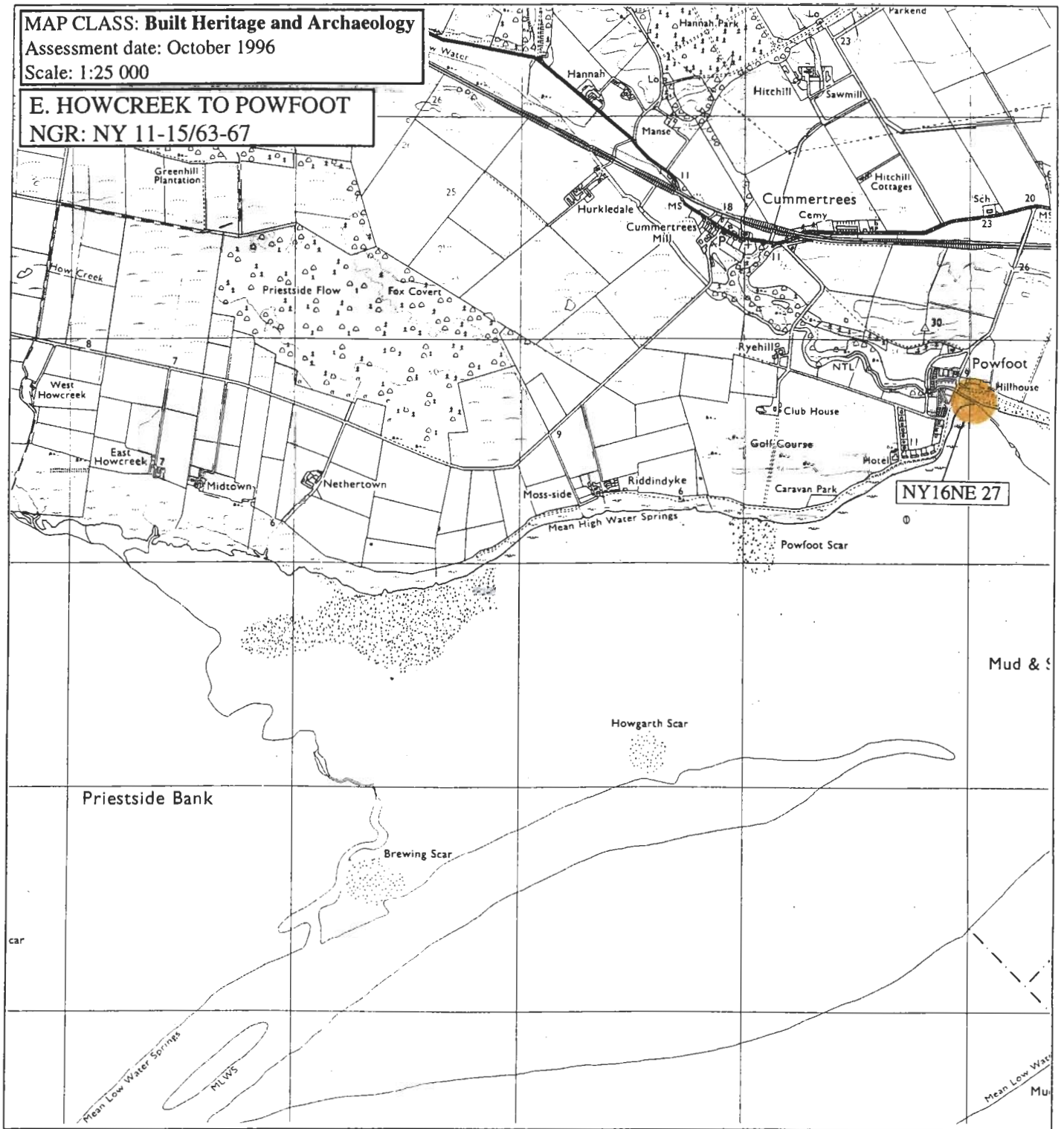
MAP CLASS: Built Heritage and Archaeology

Assessment date: October 1996

Scale: 1:25 000

E. HOWCREEK TO POWFOOT

NGR: NY 11-15/63-67



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

