

MAP 9 - BURNTISLAND TO KINGHORN LINKS

- **Built heritage and archaeology** - The wide expanse of sand foreshore in Burntisland Bay is covered in wooden posts which have been set into square concrete bases. These have been arranged in lines and squares and were probably used as glider traps to prevent an airborne invasion of the Firth of Forth during World War 2. The survey team experienced difficulties in identifying the precise configuration of these traps and further recording work is therefore necessary. This could be achieved by aerial photography from fairly low levels, or alternatively by E.D.M. survey. There may also be a series of fish-traps at different locations on the beach. However, except for a probable fish trap site on the south side of Black Rocks, in most cases it was impossible to identify conclusively which were fish-traps and which were *glider traps*. The most interesting sites on Kinghorn Ness include Pettycur Harbour with a fine iron capstan at its head (NT28NE43;43.2) the tidal gauge at the Ness (NT271862), and a pillbox (NT26708612). The coast battery at NT28NE47 was not seen by the team.
- **Hinterland geology and coastal geomorphology; Erosion class** - The largest accumulation of sand within the survey area occurs between Burntisland and Kinghorn where low water exposes a northeast-southeast orientated bar extending from near the coast at 'The Bents' towards and some way beyond Black Rocks. The general impression is that the coastline experiences long shore drift of material resulting from waves approaching from the north east. There are localised areas of shingle and gravel accumulation particularly high up on the foreshore near Old Pier. Some of the material may have eroded from the disintegrating stone pier structure. There are also localised areas of erosion particularly at the exposed *Lammerlaws point* and *Carlinhead* (Erosion Unit 9).

MAP 9: BURNTISLAND TO KINGHORN

EROSION UNITS

1
NT246864
0.7 km
Stable
Coastline appears stable, protected by coastal defence.

2
NT251864
0.2 km
Eroding or stable
Localised erosion taking place at the coastal defence.

3
NT253863
0.2 km
Accreting or stable
Shingle and sand beach is accreting.

4
NT257863
0.5 km
Eroding or stable
Cliffs below Holiday Park are eroding and shoreline is accreting.

5
NT261863
0.3 km
Stable
Rock outcrops and rocky shoreline are stable.

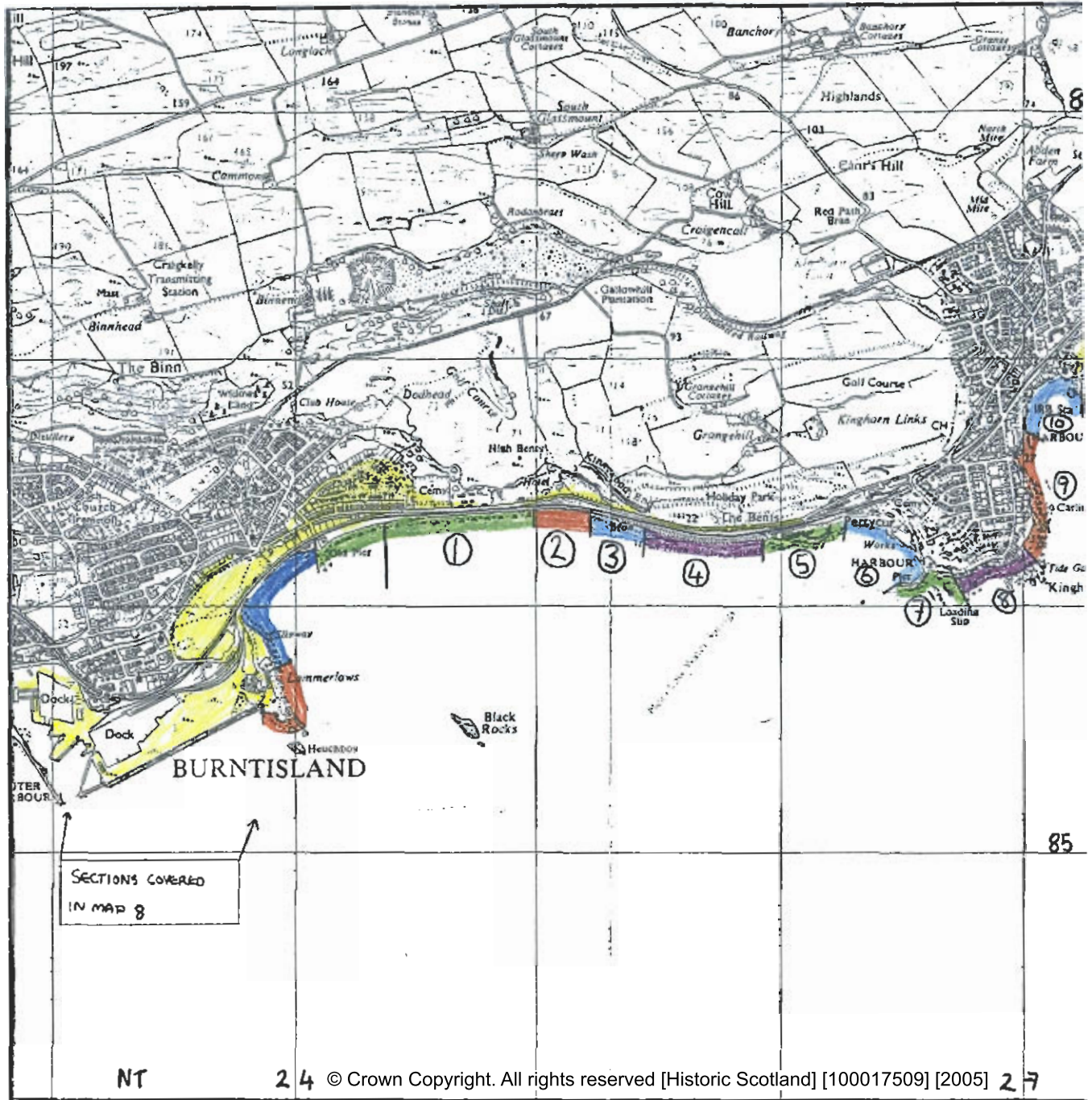
6
NT264863
0.4 km
Accreting or stable
Pettycur Harbour may be silting up.

7
NT265861
0.2 km
Stable
Rocky shoreline east of Pettycur harbour wall appears stable.

8
NT269862
0.3 km
Both accreting and eroding
Cliffs eroding and shoreline below may be accreting.

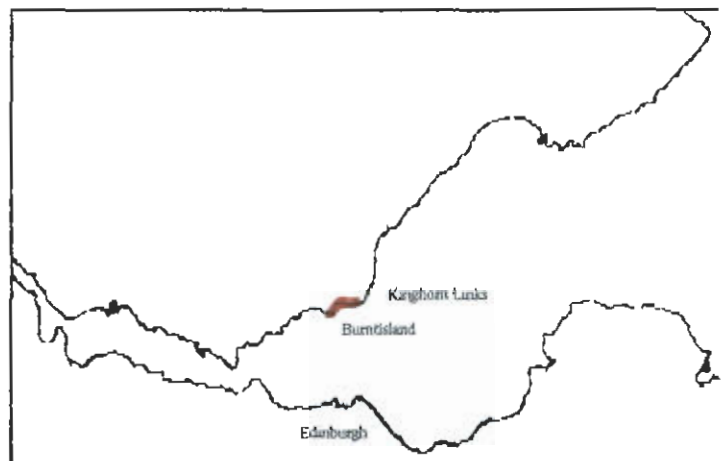
9
NT271868
0.5 km
Eroding or stable
Coastline by Carlinhead rocks may be eroding.

10
NT271868
0.3 km
Accreting or stable
Sandy shore of Kinghorn Harbour may be accreting.



KEY

Erosion class	Staedtler colour	colour
Definitely Accreting	ultramarine blue	
Accreting or stable	light blue	
Stable	light green	
Eroding or stable	orange	
Definitely Eroding	scarlet	
Both accreting and eroding	purple	
No access	blank	
Land below 10m	canary yellow	



MAP 9: BURNTISLAND TO KINGHORN

GEOLOGY UNITS

1
 NT244864
 0.2 km
 Mainly sand
 Man-made barrier
 Blown sand
Sea-wall continues along sea-front protected coastal edge of blown sand material. Intertidal zone out to Black Rocks consists of fine sand, presumably eroding from the coastal edge or being deposited by longshore drift from coastal areas to the east.

2
 NT247864
 0.3 km
 Mainly sand
 Low edge (< 5 metres)
 Drift, boulder clay over visible rock
Localised area of boulder clay coastal edge.

3
 NT249864
 0.2 km
 Mainly sand
 Low edge (< 5 metres)
 Blown sand
Unprotected coastal edge of blown sand forming dunes in places. Shoreline behind begins to rise towards the east.

4
 NT253864
 0.5 km
 Mainly sand
 Cliff (> 5 metres)
 Blown sand
High cliffs below Kingswood End recede behind the coastal edge further east.

5
 NT259863
 0.8 km
 Mainly sand
 Low edge (< 5 metres)
 Blown sand
Dunes and a sandy beach visible at the Bents with localised bedrock outcrops visible along the intertidal zone to the east of this section.

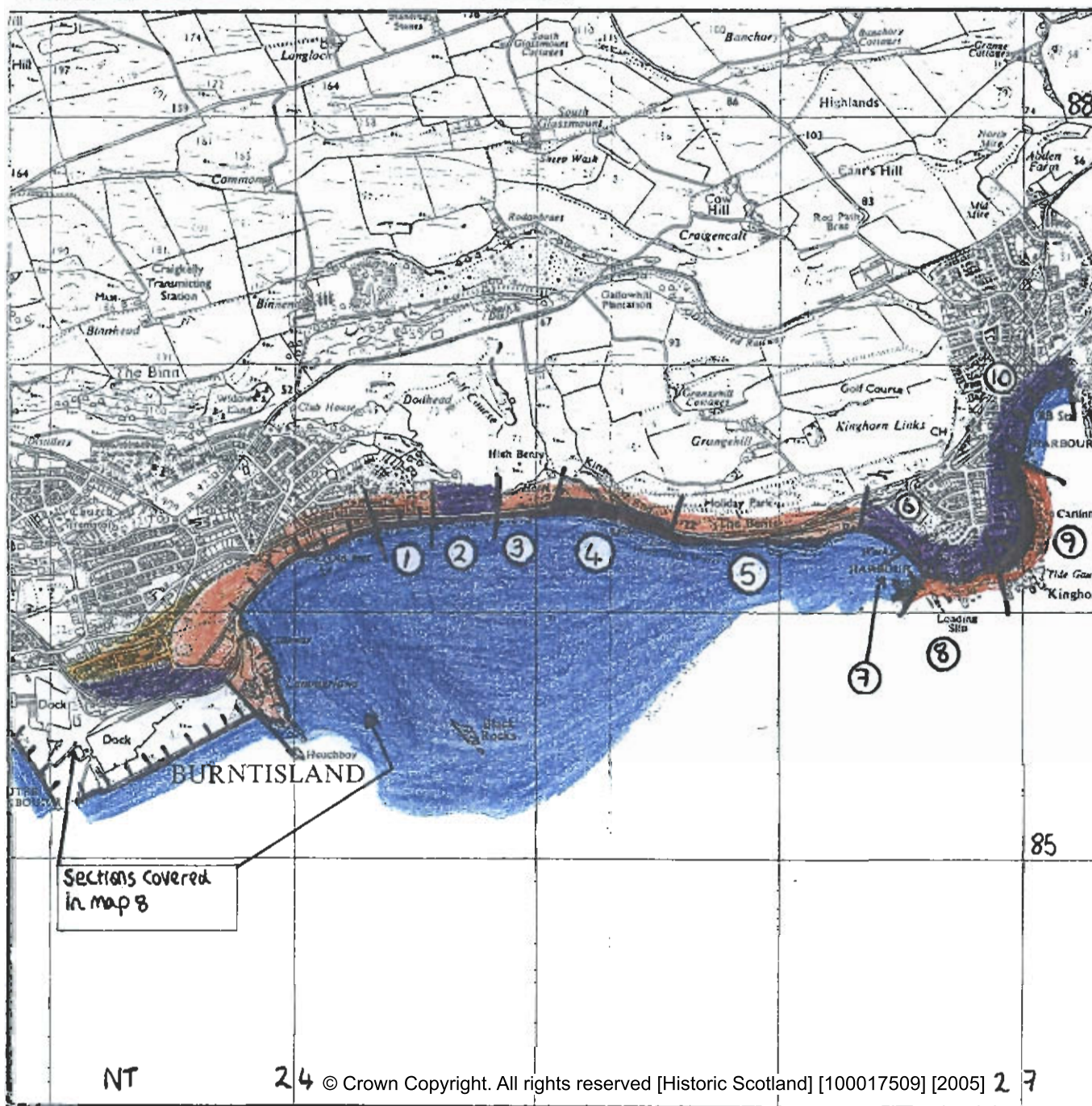
6
 NT264863
 0.2 km
 Mainly sand
 Low edge (< 5 metres)
 Drift, boulder clay over visible rock
Coastal edge turns south east to form Pettycur Bay with sand accumulating behind harbour wall structure.

7
 NT266862
 0.1 km
 Mainly sand
 Man made barrier
 Drift, boulder clay over visible rock
Stone harbour wall shelters Pettycur harbour.

8
 NT267861
 0.3 km
 Mainly rock platform
 Man made barrier
 Drift, boulder clay over visible rock
Foreshore is a rock platform and houses have been built on boulder clay, close to a coastal edge which rises from Pettycur harbour towards Kinghorn Ness.

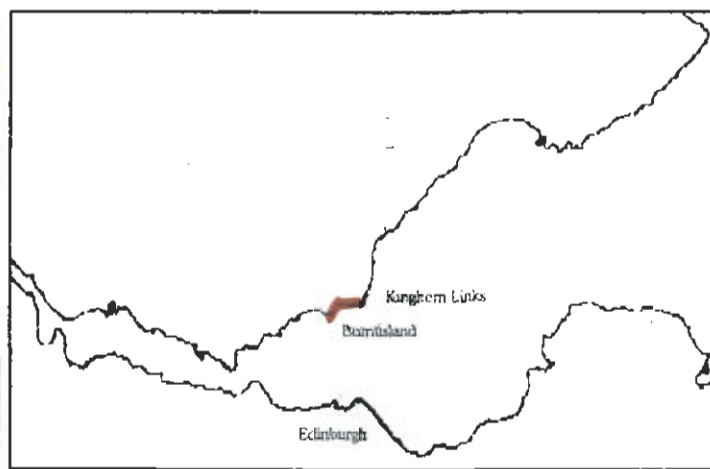
9
 NT271863
 0.5 km
 Mainly rock platform
 Cliff (> 5 metres) with coastal defence
 Drift, boulder clay over visible rock
High cliffs of boulder clay mostly protected at base by coastal defence measures. Foreshore of rocky platform and shingle.

10
 NT270868
 0.5 km
 Mainly sand
 Man made barrier
 Drift, boulder clay over visible rock
 Sandy foreshore with coastal edge
Sandy foreshore in Kinghorn harbour with protected sea-front behind.



KEY

Hinterland Geology	Staedtler colour	
Drift, boulder clay	light grey	
Drift, boulder clay over visible rock	Caran D'ache violet	
Raised beach and marine deposits	golden brown	
Blown sand	peach	
Glacial sand and gravel	magenta	
Alluvium	grass 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	
Coastal Geomorphology		
Mainly rock platform	vermilion	
Mainly sand	indigo	
Mainly alluvial/marine mud	sienna brown	
Marsh	true green	



MAP 9: BURNTISLAND TO KINGHORN

BUILT HERITAGE AND ARCHAEOLOGY UNITS

Sites on the coastal edge at Burntisland

NT250860

Burntisland
Area of glider traps, and fish traps.
Mid 20th Century
Fair
Survey

NT28NE12

ALEXANDER III MONUMENT;
KINGSWOODEND
MONUMENT
20th Century
Not seen
Nil

NT28NE43.0

KINGHORN; PETTYCUR HARBOUR
HARBOUR
17th - 19th Century
Fair
Survey, Monitor

NT28NE43.1

PETTYCUR HARBOUR; CAPSTAN
CAPSTAN
17th - 19th Century
Fair
Nil

NT28NE43.2

PETTYCUR HARBOUR
CANNON,
19th Century
Not seen
Nil

Sites behind the foreshore at Kinghorn (KING)

NT28NE37

KINGHORN
BURGH; TOWN
Uncertain
Not seen
Nil

NT28NE48.0

PETTYCUR BATTERY
COAST BATTERY
20th Century
Not seen
Nil

NT28NE8

KINGHORN; DOMINICAN FRIARY
FRIARY
ARCHAEOLOGICAL SITE OF RE-
GIONAL IMPORTANCE.
13th Century
Not seen
Nil

NT28NE15

KINGHORN
HOSPITAL; CHAPEL
15th Century
Not seen
Nil

NT28NE18

KINGHORN
BRONZE SPEARHEAD
Uncertain
Not seen
Nil

NT28NE38

KINGHORN GAS HOLDER STA-
TION
GAS HOLDER STATION
Uncertain
Not seen
Nil

NT28NE14

KINGHORN
CINERARY URN
Uncertain
Not seen
Nil

NT28NE35

KINGHORN; 28-32 NETHERGATE
HOUSES
Uncertain
Not seen
Nil

NT28NE10

KINGHORN
COIN HOARD
Uncertain
Not seen
Nil

Sites along the coastal edge

NT26708612

Kinghorn
Pillbox
Mid 20th Century
Fair
Survey

NT26758608

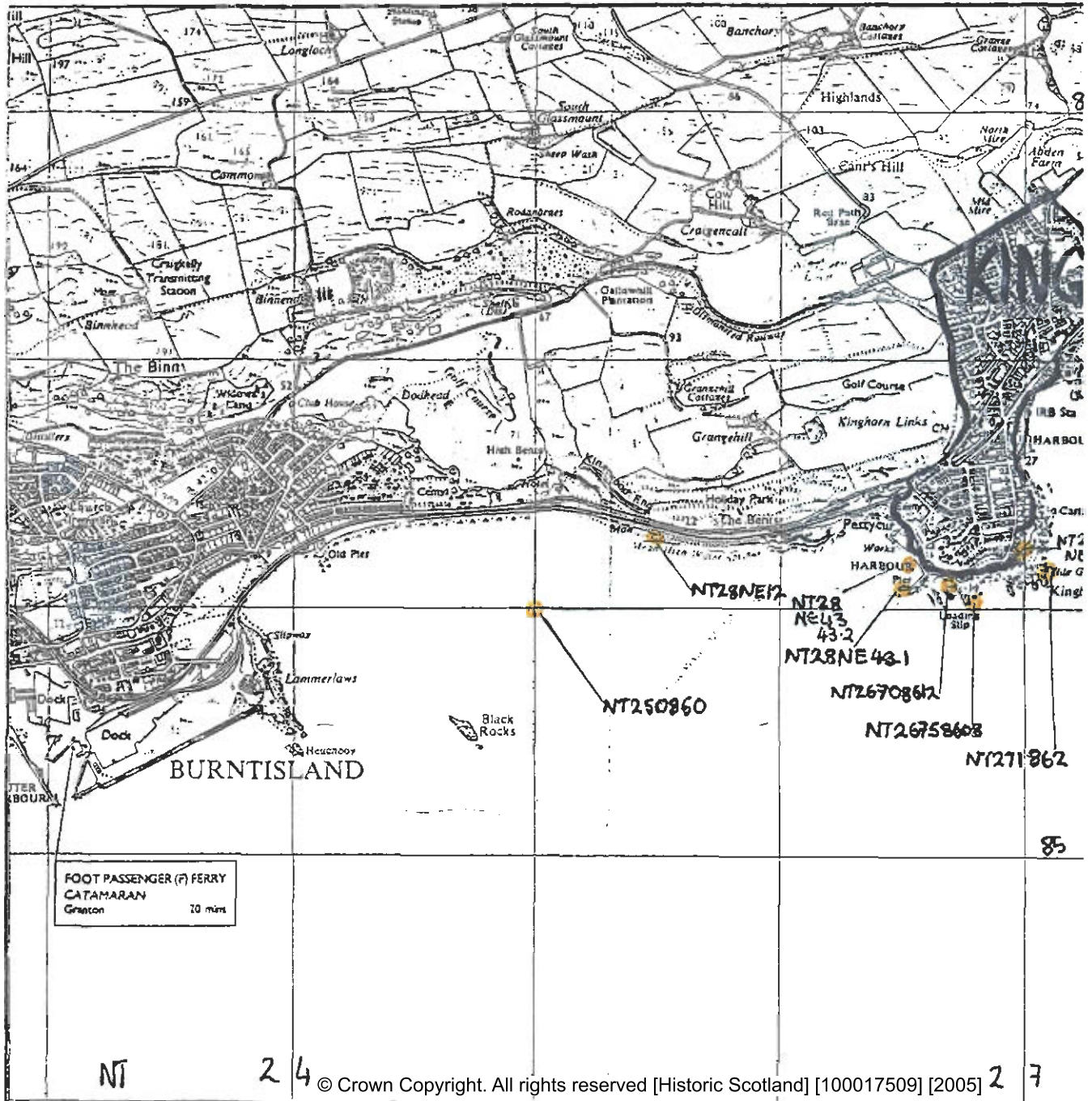
Kinghorn
Jetty and slipway
17th - 19th Century
Fair
Nil

NT28NE47

KINGHORN BATTERY
COAST BATTERY
20th Century
Not seen
Nil

NT271862

Kinghorn Tidal Gauge
Tidal Gauge
Uncertain
Fair
Nil



KEY

Site location	Symbol	Standard colour	Significance
NCR e.g. NO12345678	solid roundel	carmine	Protected Ancient Monument
	cross	carmine	Listed Historic Building
	open roundel	carmine	Monument formally proposed by Historic Scotland for designation
	solid roundel	yellow ochre	Other known Ancient Monument
NMR5 e.g. NT28NE13	dashed outline	yellow ochre	Designed Landscape
	roundel open	yellow ochre	Undesignated Wreck
	area	green	Insufficient information, more work needed (no access, or not walked)
	area	blue	Probably archaeologically sterile

