

## MAP 10 NEWPORT HARBOUR TO PEACEHILL

**Built heritage and archaeology** - Woodhaven harbour (NO42NW59) marks the start of this section, and consists of a stone built harbour wall, slipway, moorings, the nearby Wormit Boating Club buildings, and adjacent to the quay, the fine Joiner's Workshop building (NO42NW47). The existing Woodhaven harbour may have been constructed on an earlier harbour site with records suggesting that a ferry existed at Woodhaven in the 12th and 13th centuries which subsequently came under the control of the Burgh of Dundee in 1641 (RCAHMS). According to the NMRS, a World War II seaplane base was located on the banks of the Tay 1 mile south of Newport harbour at NO40752700, and the slipway associated with this feature remains visible. Substantial wharf structures, collapsed buildings, and a wreck were found between NO39822645 and NO40752700. This site, which has not been adequately recorded appears to be fairly stable but further survey work is required (site description 5). Just to the west of this site the imposing pillars of the collapsed Tay Rail bridge and its intact replacement (NO396263) can be seen. To the west of the bridge, the intertidal zone gradually widens out once again and a salmon station (NO39272602) at the east end of Wormit bay, with shed, cottage and salmon coble marks the first of the salmon bothies which can be found along the south coast of the Tay estuary (site description 6). The remains of a timber jetty (NO38662574) and a derelict stone bothy nearby may also originate from the Tay salmon fishing industry (NO38542584: site description 6).

**Hinterland geology and coastal geomorphology; Erosion class**-Towards Wormit Bay the coastline is stable where thick muds dominate the lower foreshore and within Newport harbour muds are accreting (Erosion Unit 1). Stable shingle and cobble beaches are situated on the upper foreshore while resistant volcanic conglomerates and basalts form the cliffs and rock platform at this point. Wormit Bay has a steep shingle beach with a low wall situated at the coast edge. The sea has dislodged part of the wall and eroded the low coast edge which consists of sandy raised beach deposits (Erosion Unit4). West of Wormit Bay, stable basaltic cliffs form the coast edge with a resistant promontory at Peacehill.

## MAP 10 NEWPORT HARBOUR TO PEACEHILL.

### EROSION UNITS

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1

NO40952700

0.2 km

Accreting or stable

*Within Newport harbour there are accreting muds. The rear of the harbour is stabilised by stone walls and gabion baskets. The stone piers of the harbour show no signs of erosion.*

2

NO40652702

0.2 km

Eroding or stable

*West of the pier a stable shingle beach composes the upper foreshore. At the coast edge the raised beach deposits overlying the hard rock are vulnerable to slip.*

3

NO39912651

2 km

Stable

*Resistant Devonian igneous and volcanic rocks compose the cliffs and rock platform. The lower foreshore has thick stable muds.*

4

NO38892579

0.8 km

Stable to eroding

*The loosely consolidated drift deposits which compose the low coast edge are only protected by a 0.5 metre wall. High wave activity has dislodged parts of the wall and scour has eroded the coast edge behind.*

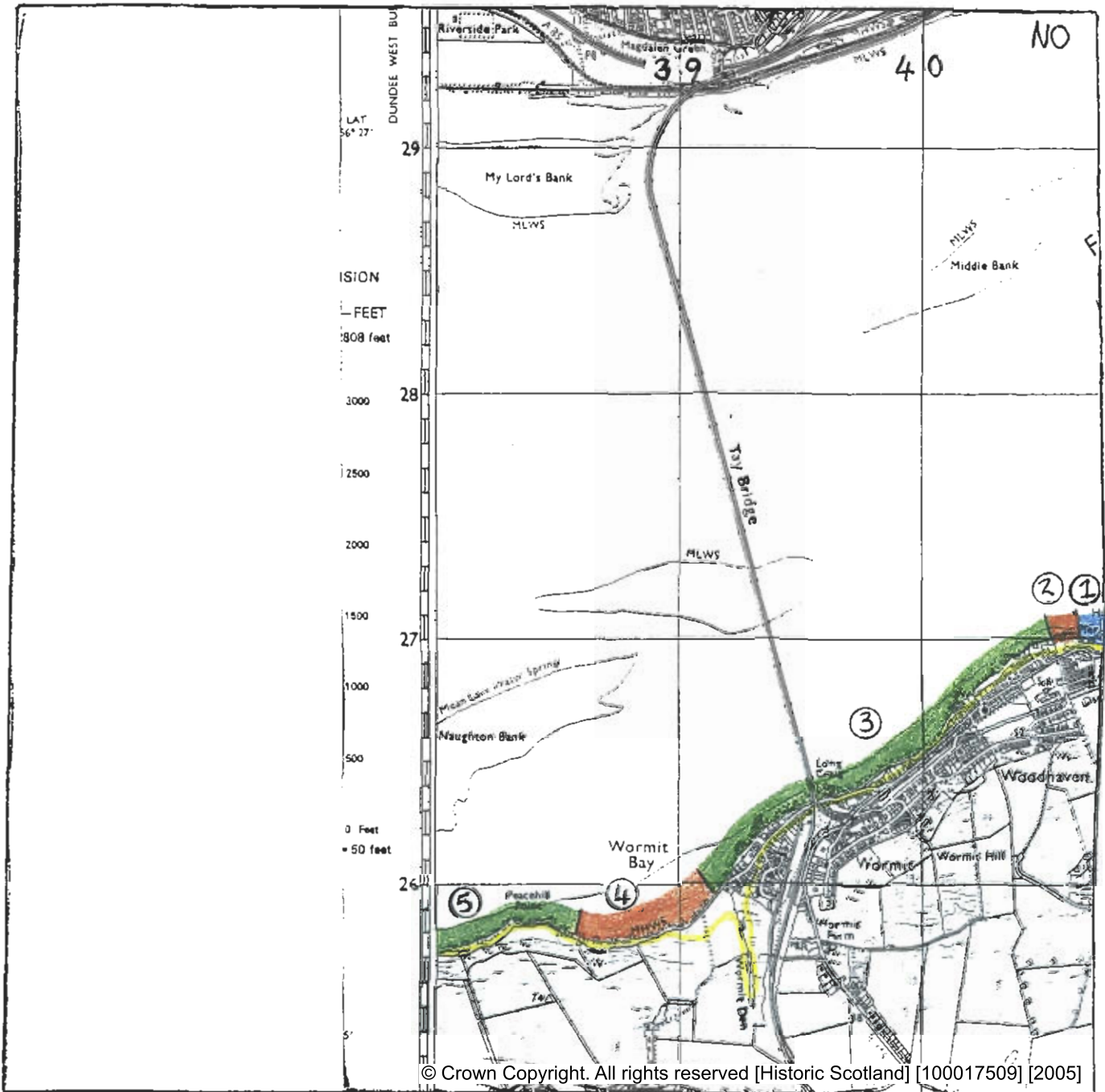
5

NO38452582

0.8 km

Stable

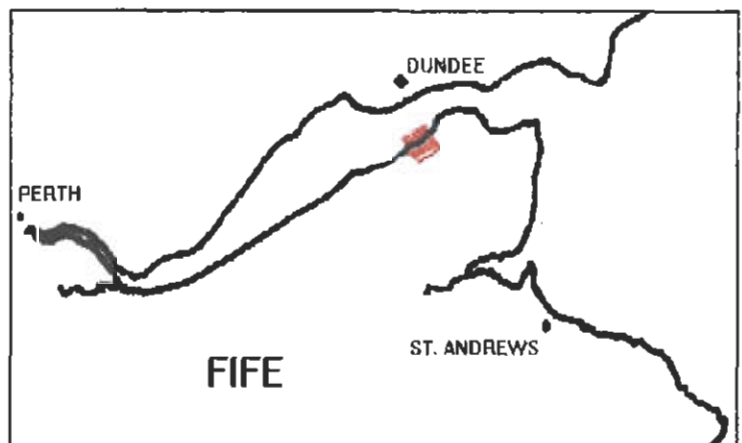
*Stable muds compose the lower foreshore. Cobbles with attached seaweed on the upper foreshore illustrate the limited movement of the coarse sediments. Resistant basaltic and andesitic cliffs create a stable edge.*



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**KEY**

Erosion class	Staedler 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 10 NEWPORT HARBOUR TO PEACEHILL**

**GEOLOGY UNITS**

**1**  
NO40952600  
0.2 km  
Alluvial /marine muds  
Manmade barrier  
Raised beach and marine deposits  
*At Newport harbour thick muds compose the foreshore with fringing deposits of shingle. Manmade stone walls surround the harbour in addition to gabion basket defences.*

**2**  
NO40652702  
0.2 km  
Alluvial/marine muds  
Shingle  
Raised beach and marine deposits with drift, boulder clay  
*A steep shingle beach is situated on the upper foreshore with a storm bank at the coast edge. Muds compose the lower foreshore.*

**3**  
NO40352699  
0.4 km  
Alluvial/marine muds  
Cliff (>5 metres)  
Raised beach and marine deposits with drift, boulder clay  
*Muds dominate the lower foreshore, with loose boulders and shingle on the upper foreshore. The high cliffs at the coast edge are composed of basaltic rock. In the hinterland raised beach deposits form a narrow band with drift deposits to the south.*

**4**  
NO40292679  
0.4 km  
Mainly rock platform  
Low edge (<5 metres)  
Drift, boulder clay over visible rock  
*Resistant rock outcrops on the upper foreshore with intervening shingle deposits. Muds compose the lower foreshore. At the coast edge basaltic rocks are overlain with drift.*

**5**  
NO39892648  
0.7 km  
Alluvial /marine muds  
Cliff (>5metres)  
Drift, boulder clay over visible rock  
*Muds dominate the foreshore with a narrow upper foreshore composed of shingle. The cliff edge which rises to the west is composed of volcanic conglomerates. In the west, a brick wall in front of the cliff edge represents the remains of an old building. The upper foreshore has a steep shingle beach, whilst the lower foreshore consists of muds.*

**6**  
NO39382623  
0.5 km  
Mainly rock platform  
Manmade barrier  
Raised beach and marine deposits  
*At the low coast edge housing is situated on resistant rock. Manmade walls and access points to the beach are positioned along the edge. The foreshore consists of resistant platform with a cover of shingle.*

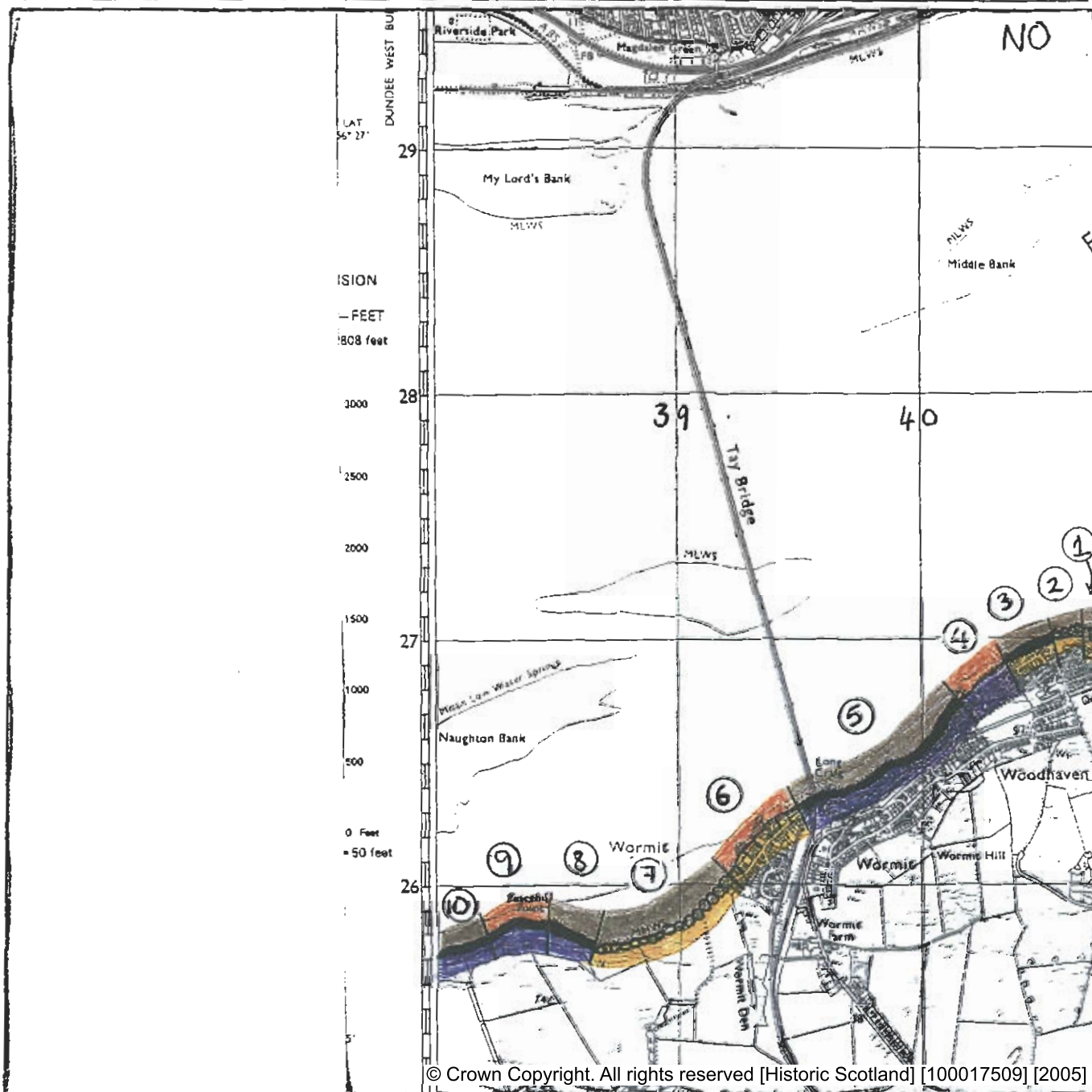
**7**  
NO38792575  
0.9 km  
Alluvial /marine muds  
Shingle  
Raised beach and marine deposits  
*Wormit Bay is a curved beach with a flat lower foreshore of silty wet muds and a steep upper shingle beach with a ridge at the top of the upper foreshore. The coast edge is low, in the central section a concrete wall 0.5metre in height is situated along the coast edge. Raised beach deposits compose the hinterland.*

**8**  
NO38612582  
0.4 km  
Alluvial /marine muds  
Cliff (>5 metres)  
Drift, boulder clay over visible rock  
*At the far west side of Wormit Bay, muds dominate the lower foreshore with shingle on the upper foreshore. Cobbles occur mid shore with attached seaweed. The basaltic and andesitic cliffs are overlain with*

*drift.*

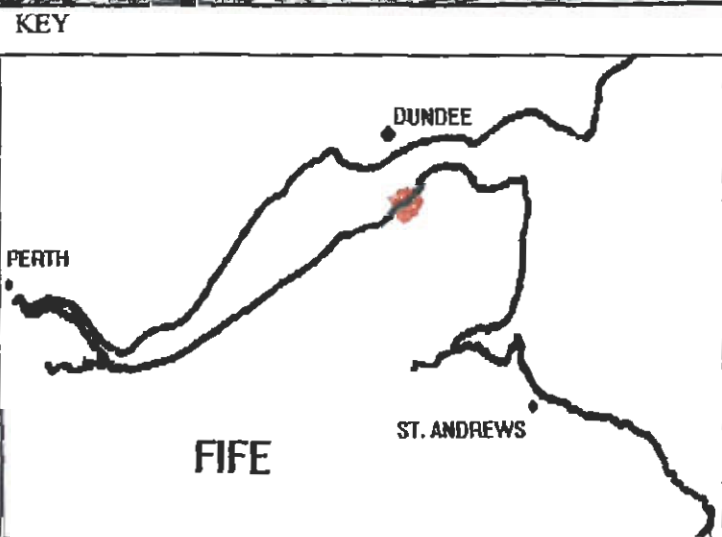
**9**  
NO38482583  
0.3 km  
Mainly rock platform  
Cliff (>5 metres)  
Drift, boulder clay over visible rock  
*At the coast edge there are Devonian sandstone cliffs with igneous intrusions, glacial boulders occur along the front of the cliffs. Resistant rock platform outcrops on the upper foreshore and muds compose the lower foreshore.*

**10**  
NO38222575  
0.4 km  
Alluvial /marine muds  
Cliff (>5metres)  
Drift, boulder clay over visible rock  
*The upper foreshore is composed of coarse shingle and boulders, with muds on the lower foreshore. Igneous rocks compose the cliffs.*



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Hinterland Geology	Standard colour	Symbol
Drift, boulder clay	light grey	[light grey swatch]
Drift, boulder clay over visible rock	Caran D'achie violet	[violet swatch]
Raised beach and marine deposits	golden brown	[golden brown swatch]
Blown sand	peach	[peach swatch]
Glacial sand and gravel	magenta	[magenta swatch]
Alluvium	grass green	[grass green swatch]
<b>Coast edge</b>		
Low edge (< 5m.)	thin black line	[thin black line symbol]
Cliff (> 5m.)	solid black line	[solid black line symbol]
Man made barrier	black line with spines	[black line with spines symbol]
Shingle beach	small circles	[small circles symbol]
Human disturbance	black carats	[black carats symbol]
<b>Coastal Geomorphology</b>		
Mainly rock platform	vermillion	[vermillion swatch]
Mainly sand	indigo	[indigo swatch]
Mainly alluvial/marine mud	sienna brown	[sienna brown swatch]
Marsh	true green	[true green swatch]



**MAP 10 - NEWPORT HARBOUR TO PEACEHILL**

**BUILT HERITAGE AND ARCHAEOLOGY UNITS**

***Sites behind the coast edge***

**NO40652694**

WOODHAVEN FARMHOUSE, RIVERSIDE

RD, WORMIT

LISTED BUILDING

19th Century

Not seen

*Nil*

**NO42NW48**

WORMIT, 97 RIVERSIDE ROAD, MARS COTTAGE

COTTAGE

LISTED BUILDING

19th Century

Not seen

*Nil*

***Sites on the coast edge and foreshore***

**NO32NE8147**

WRECK AND WHARF REMAINS

Uncertain

Poor

*Survey*

**\*See site description 5**

**NO396263**

Tay railway Bridge and foundation columns of old  
bridge

19th Century

Fair

*Nil*

**NO39272602**

Salmon fishing station, salmon coble and cottages

Uncertain

Fair

*Survey*

**\*See site description 6**

**NO32NE13**

WORMIT ENCLOSURE ;

CROPMARKS

Uncertain

Not seen

*Nil*

**NO32NE15**

WORMIT MILLSTONE

MILLSTONE

Uncertain

Not seen

*Nil*

**NO38662574**

Remains of timber jetty

Uncertain

Poor

*Survey*

**NO38542584**

Derelict stone building on foreshore

18th-19th Century

Poor

*Survey*

**\*See site description 6**

