

# THE ALDE & ORE ASSOCIATION

Registered Charity No. 1064789

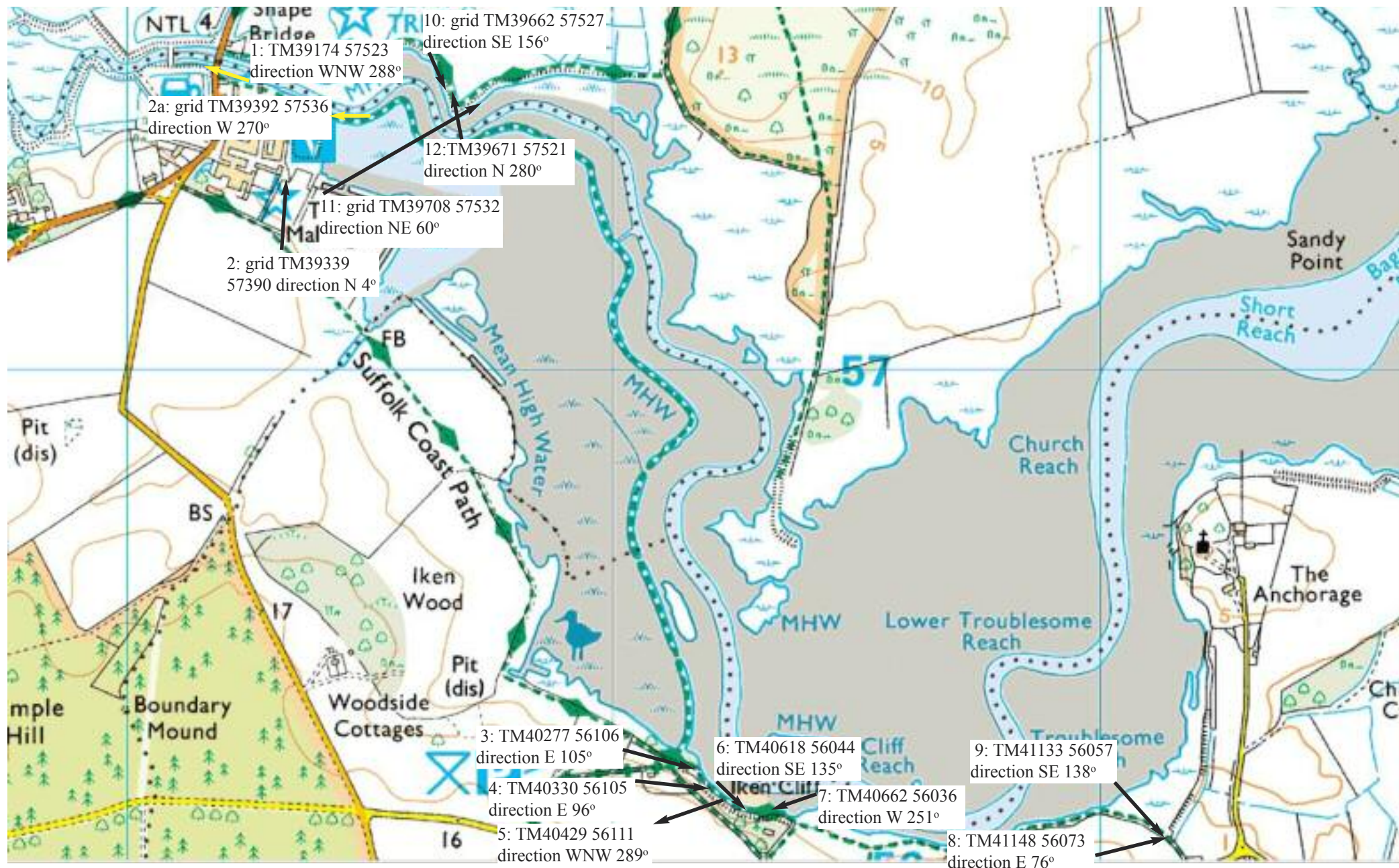


## ALDE AND ORE ESTUARY ASSESSORS' REPORT

<b>NAME:</b> Robin and D Alderson, John Grayburn	<b>DATE OF INSPECTION</b> Spring 2013
<b>LOCATION:</b> Flood Cell 6 & 7	<b>MARCH/SEPTEMBER/TIDAL EVENT</b>
<b>Area of Assessment:</b> South bank from Snape sluice to Iken Church. North bank from Snape sluice to the point opposite Iken Cliff.	Send to

## South bank, Snape sluice to Iken Church and North bank, Snape sluice to higher ground at TM39174 57523

### Location and direction of photographs



## River walls upriver of Snape Bridge.

Picture 1: grid TM39174 57523 direction WNW 288°



River walls are mown regularly. Some vestiges of old armour at base on river side plus reed protection.

## South bank river walls downriver of Snape Bridge.

Concrete wharf edge at Maltings followed by short length of bank returning to concrete wall to building followed by bank to higher ground at car park. Bank is grass covered and regularly maintained.

Picture 2: grid TM39339 57390 direction N 4°

Picture 2a: grid TM39392 57536 direction W 270°



## Maltings to Jumbo's Cottage

Old river walls breeched since 1945; mudflats and reedbed with no dwellings between the 5 metre contour and the river



## Jumbo's Cottage to Iken Cliff

Steep natural bank up to 5 metre contour running along river. Timber boarding protection to footpath along the riverside with mudflats and reedbed.

Picture 3: grid TM40277 56106 direction E 105°



followed by length of saltmarsh to Iken Cliff. Some of the marsh at the west end is eroding with creeks and islands. Details logged to keep an eye on rate of erosion although from historical data, erosion appears to be slow.

Picture 4: grid TM40330 56105 direction E 96°

Picture 5: grid TM40429 56111 direction WNW 289°



## Iken Cliff Saltings historical

2010/11



March 2007



January 2000



January 1945



Note: Image for 2010/11 from Apple Maps. Images from 2007,2000 and 1945 from Google Earth,  
© 2013 The Geoinformation Group.



## **Iken cliff.**

Mud and sand at base of the cliff. Concrete and tyres as unofficial protection to the base of the cliff.

Picture 6: grid TM40618 56044 direction SE 135°

Picture 7: grid TM40662 56036 direction W 251°



From historical data, it would appear that the area of sand at the bottom of the cliff is unchanged from 1945.

## **Iken Cliff to Iken Church**

The river wall runs from the rising ground at TM41144 56022 eastwards to Iken Church. It is well protected by saltings. It was not possible to walk the wall but from the west end at the footpath it appears to be covered in saplings for most of its length. In addition there is some erosion where the footpath crosses the wall.

Picture 8: grid TM41148 56073 direction E 76°

Picture 9: grid TM41133 56057 direction SE 138°



### **North bank: Snape bridge to rising ground at wood at TM40121 57595**

Historically the saltings from Snape bridge to the higher ground at the wood have been stable since 1945 with some accretion upriver from Blackheath sluice (TM39535 576).

The top of the river bank has recently been levelled with a hogging path presumably with a geotextile underlay. (How would hogging and underlay perform compared with grass in the event of overtopping?)

The bank is generally mown and maintained. Where there are no saltings, vestiges of timber and stone armour are visible on the front face.

There are areas of erosion through the old armour both upriver (picture 10) and downriver (picture 11) from the point at TM39688 57523.

Picture 10: grid TM39662 57527 direction SE 156°



Picture 11: grid TM39708 57532 direction NE 60°



On the inside of the bank between Blackheath Sluice and the point at TM39688 57523 there is considerable steepening of the upper slope, up to 45°. (This may be a product of the recent levelling work as the top of the bank was narrow and sloping before the levelling).

Picture 12: grid TM39671 57521 direction N





## North bank from Snape bridge: historical

2010/11



March 2007



January 2000



January 1945



Note: Image for 2010/11 from Apple Maps. Images from 2007, 2000 and 1945 from Google Earth,  
© 2013 The Geoinformation Group.



## RIVER ALDE — NORTH SHORELINE

There are no river defences on the Northern shoreline of the River Alde from a point 850 metres East of Snape Bridge to a point 500 metres North of Barbers Point. The following photographs record the state of the reed beds and saltings on this part of the shoreline as at April 2013.

Point A:

Grid Reference: 40065760

- a. Photograph 1 - looking west.  
b. Photograph 2 - looking south.

Point B:

Grid Reference: 40095745

- Photograph 1 - looking north.
- Photograph 2 - looking west.
- Photograph 3 - looking south.

Point C:

Grid Reference: 40365716

Panorama - looking from  
south to east.

Point D:

Grid Reference: 40325710

Panorama - looking from  
south to east.

Point E:

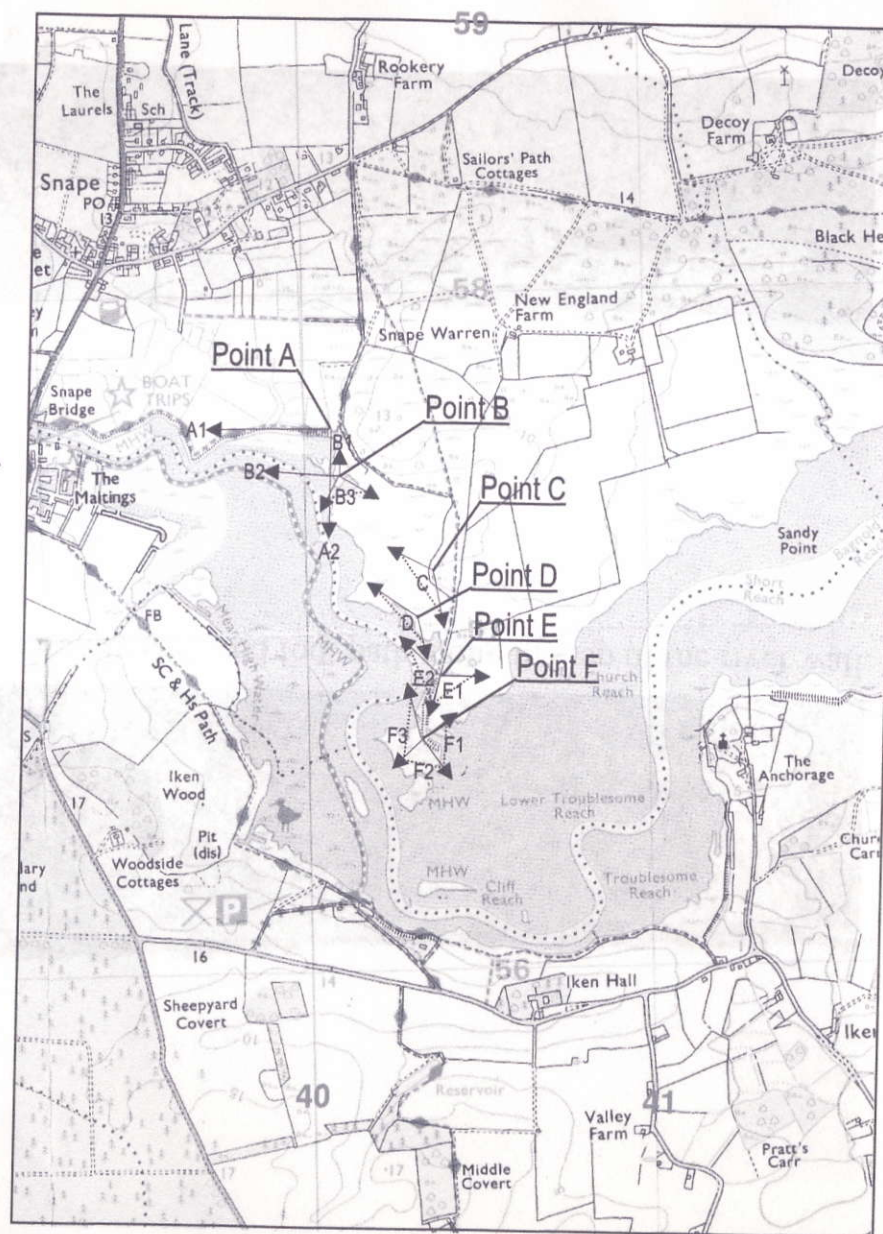
Grid Reference: 40365686

- a. Panorama 1 - looking from east to south.
- b. Panorama 2 - looking from south to west.

Point F:

Grid Reference: 40335663

- a. Panorama 1 - looking from north east to south.
- b. Panorama 2 - looking from south east to south west.
- b. Panorama 3 - looking from south west to north.



## RIVER ALDE — NORTH SHORELINE

Photographs taken from Point A:  
(Grid Reference: 40065760)



Photograph A1:

View looking West looking towards Snape Maltings, showing the recently surfaced foot path along the top of the river wall.



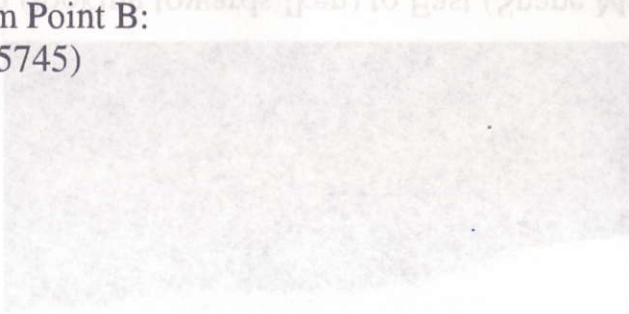
Photograph A2:

View looking South towards Iken



## RIVER ALDE — NORTH SHORELINE

Photographs taken from Point B:  
(Grid Reference: 40095745)



### Photograph B1:

View looking North looking towards the point at which the foot path atop the river wall enters the trees.  
Houses in Priory Road, Snape, are visible in the distance.



### Photograph B2:

View looking West looking towards Snape Maltings.



### Photograph B2:

View looking South looking towards Iken.

## RIVER ALDE — NORTH SHORELINE

Photograph taken from Point C:  
(Grid Reference: 40365716)



Photograph C:

Panorama from South (looking towards Iken) to East (Snape Maltings visible).

## RIVER ALDE — NORTH SHORELINE

Photograph taken from Point D:  
(Grid Reference: 40325710)



Photograph D:

Panorama from South (looking towards Iken) to East (Snape Maltings visible).



## RIVER ALDE — NORTH SHORELINE

Photographs taken from Point E:  
(Grid Reference: 40365686)



Photograph E1:

Panorama from East (towards Iken Church) to South (towards Iken Car Park); panorama continues in Photograph E2.



Photograph E2:

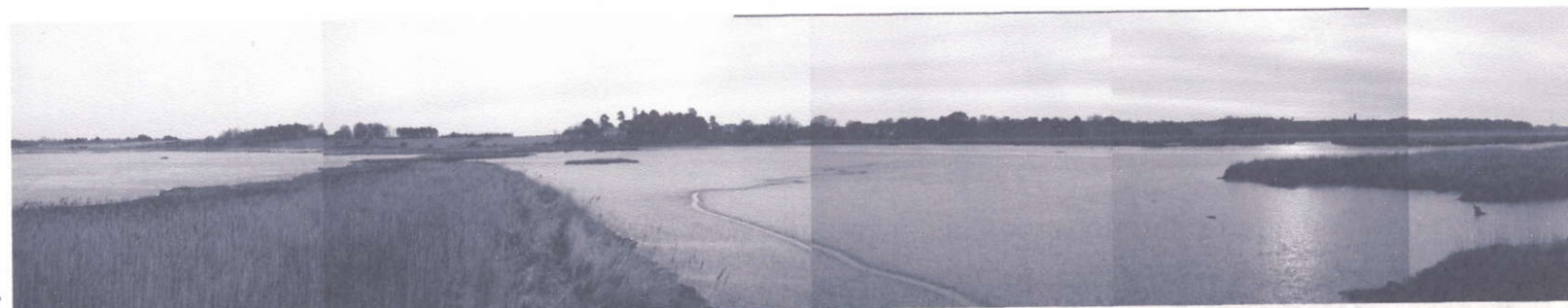
Panorama from South (towards Iken Car Park) to West (Snape Maltings visible); panorama continued from Photograph E1.

## RIVER ALDE — NORTH SHORELINE

Photographs taken from Point F:  
(Grid Reference: 40355660)



Photograph F1:  
Panorama from North East (towards Blackheath Mansion) to South (towards Iken Hall); panorama continues in Photograph F2.



Photograph F2:  
Panorama from South East (towards Iken School) to South West ; panorama continues from Photograph F1 and to F3.



Photograph F3:  
Panorama from South West to North; panorama continues from Photograph F2.