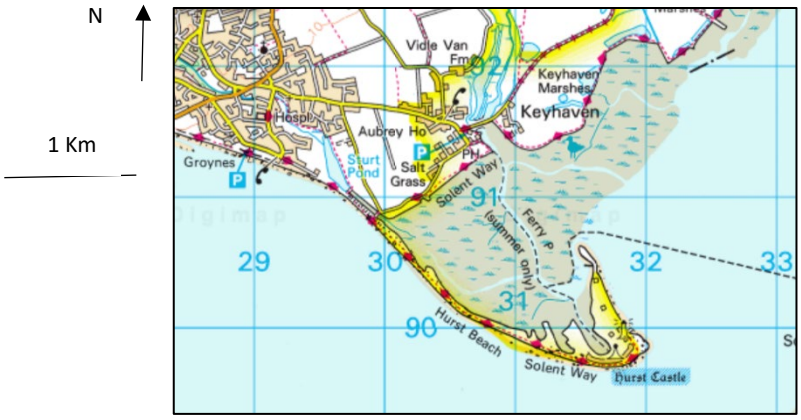
Lesson 1 Worksheet

Coastal deposition: Hurst Spit

1. The OS 1:50,000 map below shows Hurst Spit.
   (a) Use an arrow to identify and label the spit.
   (b) Use a series of arrows to label the direction of longshore drift.
   (c) Label the large area of mudflats and saltmarsh.
   (d) Give the four-figure grid reference for Hurst Castle. _____



[Access a key for OS 1:50,000 maps at https://www.ordnancesurvey.co.uk/documents/product-support/support/50k-raster-legend.pdf]

2. Look at the photo of Hurst Spit below.



   (a) Using the OS map, state which direction the photo is looking? _____
   (b) Describe the type of sediment that has formed Hurst Spit.

   _____

   (c) Using evidence from the photo, suggest whether it was taken at high tide or low tide?

   _____

   _____

   (d) Suggest why Hurst Spit is a popular attraction for visitors.

_____

_____

3. The aerial photo below shows the same area covered by the OS 1:50,000 map extract.
   (a) Locate and label Hurst Spit.
   (b) Locate and label the village of Keyhaven.
   (c) Locate and label Sturt Pond.
   (d) What is the name of the landform at X?

   _____



4. Select three facts about Hurst Spit and write them in the box below.

5. The photo below shows recurved tips on Hurst Spit.



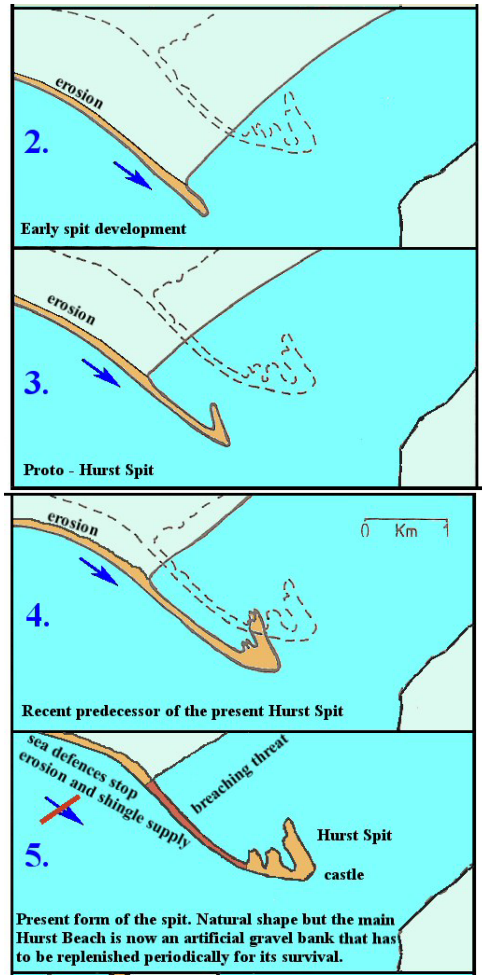
   (a) Locate and label the present-day recurved tip.
   (b) Locate and label an historic recurved tip.

(c) Describe the formation of a recurved tip.

_____

_____

6. The following diagrams describe the formation of Hurst Spit.
   (a) Use annotated labels or write alongside each diagram a description of the formation of the spit.
   (b) Draw a simple diagram to describe the process of longshore drift in the box provided.



Longshore drift

https://wessexcoastgeology.soton.ac.uk/jpg-Hurst/6HS-Hurst-evolution.jpg