

Along the Dorset coast

The OS map opposite shows part of the south coast of England, in Dorset. Study the map and the photos. Then try these questions. The key on page 120 will help.

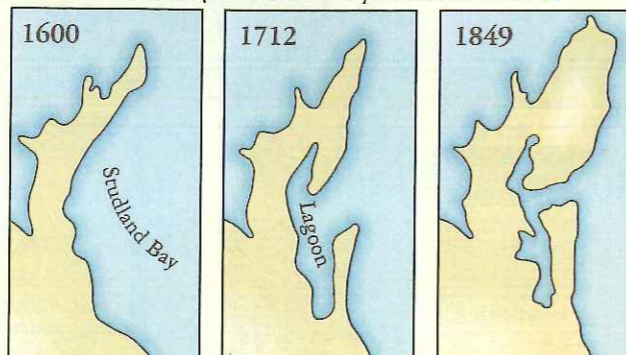
Did you know?

- The Romans mined marble in Dorset.
- They shipped it all over Europe from the place that is now called Swanage.

Your turn

- Photos A–C were taken at sites on the map.
 - Write two sentences for each photo, to describe what it shows.
 - Now match each photo to one of these grid references: 028862 054825 042787 008788 031835 036788
You'll find grid numbers marked on the map – but not along the edges!
- Find three clues on the map, to show that:
 - this is a historic area
 - Swanage is now a seaside resort.
 For each clue, give a six-figure grid reference.
- Longshore drift is a problem at Swanage. How can you tell this from the map?
- The map below shows the **geology** of the area – what kind of rocks it is made of.
 - What kind of rock is Old Harry (055825) made of?
 - What kind of rock is Furzey Island made of?
 - Give a six-figure grid reference for a farm where the soil is clay.
 - Which two types of rock seem hardest to erode? Explain your choice.
 - What clue is there that clay is easy to erode?

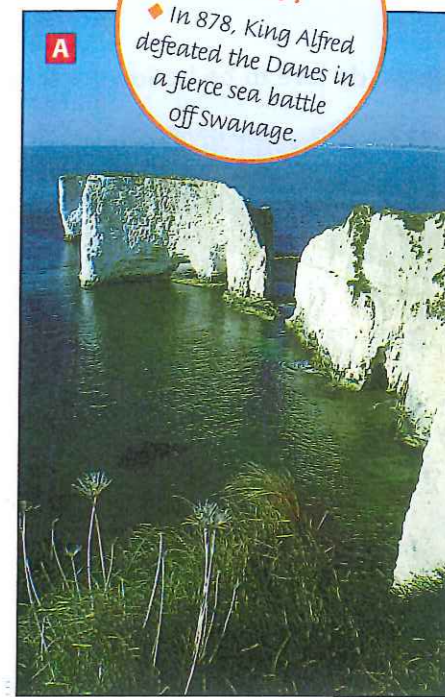
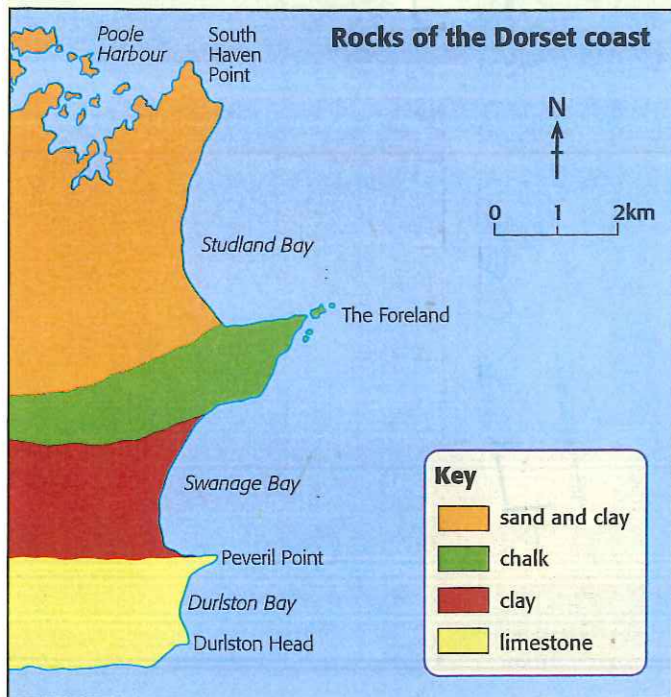
- Pick out the rectangle on the OS map with corners at 020830, 020870, 050870 and 050830. Draw a sketch map of this area, showing the *main* features. Such as the dunes, the sea, woodland – but not the phone box.
- These are old maps of the area you sketched in 5.



- As you can see, the shape has changed a lot over the years. Suggest reasons. (Hint: any sign of spits?)
 - Now explain how Little Sea (on your sketch map) has been formed over the years since 1849.
- You are staying with a group at the camp site at Ulwell. It's summer. The weather is fine. You have to plan a long walk for the group. These are the rules:

- If possible, use footpaths rather than roads.
- You may join the South West Coast Path.
- Include a visit to a nature reserve.
- Include a walk along the beach.
- Give the group a good view of arches and stacks.
- Let them look over a steep cliff.
- Return to the camp site by a different route.

- Draw a sketch map for your planned route, showing:
 - the coastline
 - your route
 - the coastal landforms you'll see on the walk
 - any ancient sites you will pass
 - any other points of interest
- Mark any places where the walk may be extra difficult or dangerous. Add a note to say why.
- Work out roughly how long each section of the walk will be. Mark it on your map.
- And finally, make a list of what to take with you.



Did you know?

- In 878, King Alfred defeated the Danes in a fierce sea battle off Swanage.