

COAST

South West 2016
10 years of our changing coastline

1: According to a recent survey of British people travelling within the UK, the activity people most like to do while on holiday is walking, but approximately how many tourism visits were there to the South West Coast Path in 2012?

A: 86,000 B: 860,000 C: 8.6 million

2: Most people walk the 630 miles/1014 km of the South West Coast Path a bit at a time. But what is the record time for the full route to be completed?

A: Just over 11 hours B: Just over 11 days C: Just over 11 weeks

3: Roughly how many full-time jobs are directly dependent on the money spent by tourists visiting the South West Coast Path?

A: 1,000 B: 10,000 C: 100,000

4: When questioned in a survey for the National Trust, what percentage of people agreed with the statement: *It's important to me that Britain's coast is kept beautiful for future generations to enjoy?*

A: 94% B: 74% C: 54%

5: Climate change and other factors are presenting big challenges to the people responsible for looking after our coast. This is leading to the creation of SMPs. What does SMP stand for?

A: Seaside Mapping Project B: Shoreline Management Plan C: Strategic Marine Proposal

6: How much higher are sea levels in the UK now than they were in 1901?

A: No higher at all B: 1.5 centimetres C: 15 centimetres.

7: In October 2013, Sidmouth beach in Devon had a volume of 204,354 cubic metres. Four months later, it had a volume of 195,657 cubic metres. What do you think caused this loss of beach material?

A: It had dissolved B: It was moved to a more popular beach C: Storms washed it away

8: The Plymouth Coastal Observatory manages a series of wave and tide buoys around the South West coast. There is one under the Second Severn Crossing linking England and South Wales. What, roughly, is the tidal range at this location?

A: 1.5 metres B: 15 metres C:150 metres

9: Thanks to regular surveys undertaken by the South West Regional Coastal Monitoring Programme, we can measure changes to beaches over time. In 2014, a large part of the sea wall at Seaton, not far from Looe in Cornwall, collapsed. By how much did the level of the beach just in front of this wall fall at the same time?

A: 3cms B: 30cms: C:300cms

10: Approximately how many sites of archaeological interest around our coast are believed to be under threat from erosion and other dangers?

A: 700 B: 70,000 C: 7,000,000

11: MOLA is a partner in the CITIZAN project. What does MOLA stand for?

A: Museum of London Archaeology B: Mapping Our Lost Archaeology C: Monitoring Our Late Artefacts

12. How many years of history are revealed by the Jurassic Coast?

A: 185 years B: 185,000 years C: 185 million years

13: The Jurassic Coast is classed as a natural World Heritage Site. How many others are there in England?

A: None B: 10 C: 100

14: Name the three stages of sedimentary rock formation.

15: After using the augmented reality sandbox describe what contour lines are and what element of the landscape they represent on maps.

16: How could the sandbox be used to help better understand coastal and river flooding?

ANSWERS:

1: C. There were 8.6 million tourism visits to the path in 2012. This does not count visits by local people.

2: B. It was 11 days, eight hours and 15 minutes, set by Mark Berry in May 2015.

3: B. Visitors to the South West Coast Path are estimated to inject more than £400 million into the region's economy.

4: A: 94% B: 74% C: 54%

5: A: Seaside Mapping Project B: Shoreline Management Plan C: Strategic Marine Proposal

6: C. Sea levels are predicted to rise further in the years ahead. Some expert studies suggest the sea could rise another 40cm around the coast of the UK by the end of this century.

7: C. Many beaches in the South West lost a lot of material in the winter storms of 2013-14. Some beaches are recovering as lost material is washed back in gentle waves which tend to deposit sediment. Other beaches have seen intervention to build them back up.

8: B. The tidal range at the Severn Estuary is among the largest in the world.

9: C. The level of the beach at Seaton in Cornwall fell by 300cm, or three metres, in a very short time as the defences were damaged.

10: B

11. A

12: C. The Jurassic Coast is made of Triassic, Jurassic and Cretaceous cliffs.

13: A. The Jurassic Coast is England's only natural World Heritage Site, meaning it is listed by UNESCO, the United Nations Educational, Scientific and Cultural Organisation, as being of special significance.

14: 1. Erosion 2. Transportation 3. Deposition

15: Contour lines are lines on a map joining points of equal height above or below sea level, representing the slope of the land.

16: Open question