**Coastal Landscapes**

**Enquiry question 1: Why are coastal landscapes different and what processes cause these differences?**

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| **Spec Point** | **Article** | **Link** |
| 2B.1A | Swanage geology impacting the landforms  | <https://www.southampton.ac.uk/~imw/Durlston-Bay-Central-Zigzag.htm> |
| 2B.1B | **Geofile 491**: Landforms of coastal erosion: examples from East Yorkshire |  |
| 2B.2A | **Geofile 129:** The impact of structure and lithology on coastal landforms |  |
| 2B.2C | **Geofile 491**: Landforms of coastal erosion: examples from East Yorkshire |  |

**Enquiry question 2: How do characteristic coastal landforms contribute to coastal landscapes?**

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| **Spec Point** | **Article** | **Link** |
| 2B.4A | **Geofile 575**: Coastal Systems: Waves, Tides, Sediments, Cells |  |
| 2B.4B | **Geofile 491**: Landforms of coastal erosion: examples from East Yorkshire |  |
| 2B.5B | **Geofactsheet 145**: Coastal Deposition |  |
| 2B.5C | **Geofile 575**: Coastal Systems: Waves, Tides, Sediments, Cells |  |
|  | Swanage Shoreline Management plan page 7  | <https://www.twobays.net/SMP2%20Final/Main%20Report/Section%204%20-%204.5%20PDZ4.pdf> |
| 2B.6B | Swanage Rock falls - page 27  | <https://www.dorsetforyou.gov.uk/media/187594/Swanage-North-Beach-Cliffs-Site-Inspection-Report---24-May-2013/pdf/Swanage_North_Beach_Cliffs_Site_Inspection_Report_-_24_May_2013.pdf> |
|  | Switzerland landslide: Search for victims called off with more rockfalls expected (2017) | <http://www.abc.net.au/news/2017-08-27/switzerland-landslide-search-for-victims-halted/8846386> |

**Enquiry question 3: How do coastal erosion and sea level change alter the physical characteristics of coastlines and increase risks?**

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| **Spec Point** | **Article** | **Link** |
| 2B.7A | **Geofactsheet 324**: Coastal landforms of sea level change  |  |
|  | Quaternary sea level change seen in Coral reefs in New Guinea | <https://www.cambridge.org/core/journals/quaternary-research/article/div-classtitlequaternary-sea-level-fluctuations-on-a-tectonic-coast-new-span-classsup230spanthspan-classsup234spanu-dates-from-the-huon-peninsula-new-guineadiv/F319FCE4D7FA1F4C5FE6D1D7F2E6EF34> |
|  | Scientists have detected an acceleration in sea level rise (2018) | <https://www.theguardian.com/environment/climate-consensus-97-per-cent/2018/feb/27/scientists-have-detected-an-acceleration-in-sea-level-rise> |
| 2B.7C | Floods and erosion are ruining Britain’s most significant sites | <https://www.theguardian.com/environment/2017/feb/07/floods-erosion-ruining-britains-significant-sites-climate-change> |
| 2B.8A | Nile Delta: 'We are going underwater. The sea will conquer our lands' (2009) | <https://www.theguardian.com/environment/2009/aug/21/climate-change-nile-flooding-farming> |
|  | Study reveals huge acceleration in erosion of England's white cliffs | <https://www.theguardian.com/environment/2016/nov/07/study-reveals-huge-acceleration-in-erosion-of-englands-white-cliffs> |
| 2B.8B | Switzerland landslide: Search for victims called off with more rockfalls expected (2017) | <http://www.abc.net.au/news/2017-08-27/switzerland-landslide-search-for-victims-halted/8846386> |
|  | Erosion risk to a fifth of Scots coastline, scientists say (2017) | <https://www.bbc.co.uk/news/uk-scotland-40827093> |
| 2B.9A | As sea levels rise, Bangladeshi islanders must decide between keeping the water out—or letting it in | <http://www.sciencemag.org/news/2018/03/sea-levels-rise-bangladeshi-islanders-must-decide-between-keeping-water-out-or-letting> |
|  | Indian Ocean with Simon Reeve (BBC documentary Episode 2) |  |
| 2B.9C | Tidal surge hits east UK coastal towns after storm (2013) | <https://www.bbc.co.uk/news/uk-25253080> |
|  | Hurricane Speed is increasing (2018)  | <https://www.independent.co.uk/environment/tropical-cyclone-global-warming-weather-hurricane-harvey-storms-climate-change-a8386056.html> |
|  | Sea level rise will double coastal flood risk worldwide (2017) | <https://www.theguardian.com/environment/2017/may/18/sea-level-rise-double-coastal-flood-risk-worldwide> |
|  | Scientists have detected an acceleration in sea level rise (2018) | <https://www.theguardian.com/environment/climate-consensus-97-per-cent/2018/feb/27/scientists-have-detected-an-acceleration-in-sea-level-rise> |
|  | Climate change scientists 'very worried' Greenland ice sheet might start to melt 'faster and faster' | <https://www.independent.co.uk/environment/climate-change-scientists-greenland-ice-sheet-melt-faster-worried-algae-a7858876.html> |
|  | Floods and erosion are ruining Britain’s most significant sites | <https://www.theguardian.com/environment/2017/feb/07/floods-erosion-ruining-britains-significant-sites-climate-change> |

**Enquiry question 4: How can coastlines be managed to meet the needs of all players?**

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| **Spec Point** | **Article** | **Link** |
| 2B.10A | Warming Climate to Hit Bangladesh Hard with Sea Level Rise, More Floods and Cyclones, World Bank Report Says (2013) | <http://www.worldbank.org/en/news/press-release/2013/06/19/warming-climate-to-hit-bangladesh-hard-with-sea-level-rise-more-floods-and-cyclones-world-bank-report-says> |
|  | Almost 7,000 UK properties to be sacrificed to rising seas (2014) | <https://www.theguardian.com/environment/2014/dec/28/7000-uk-properties-sacrificed-rising-seas-coastal-erosion> |
|  | Which Coastal Cities Are at Highest Risk of Damaging Floods? New Study Crunches the Numbers (2013) | <http://www.worldbank.org/en/news/feature/2013/08/19/coastal-cities-at-highest-risk-floods> |
|  | Cliff-top homes on the edge as coastal erosion intensifies (2018) | <http://www.itv.com/news/anglia/story/2018-03-20/cliff-top-homes-on-the-edge-as-coastal-erosion-intensifies/> |
| 2B.10B | Almost 7,000 UK properties to be sacrificed to rising seas (2014) | <https://www.theguardian.com/environment/2014/dec/28/7000-uk-properties-sacrificed-rising-seas-coastal-erosion> |
|  | Which Coastal Cities Are at Highest Risk of Damaging Floods? New Study Crunches the Numbers (2013) | <http://www.worldbank.org/en/news/feature/2013/08/19/coastal-cities-at-highest-risk-floods> |
|  | As sea levels rise, Bangladeshi islanders must decide between keeping the water out—or letting it in | <http://www.sciencemag.org/news/2018/03/sea-levels-rise-bangladeshi-islanders-must-decide-between-keeping-water-out-or-letting> |
|  | Maldives on the way to becoming a low-carbon economy | <http://menafn.com/1096331593/Maldives-on-the-way-to-becoming-a-lowcarbon-economy> |
| 2B.10C | Almost 7,000 UK properties to be sacrificed to rising seas (2014) | <https://www.theguardian.com/environment/2014/dec/28/7000-uk-properties-sacrificed-rising-seas-coastal-erosion> |
| 2B.11A | Urgent coastal protection needed, says National Trust (2015) | <https://www.bbc.co.uk/news/science-environment-34771511> |
|  | **Geofactsheet 141**: Coastal Management- An UpdateCase study of the Holderness Coast, Yorkshire |  |
|  | **Geoactive 407**: Holderness Coastal management: An Update  |  |
| 2B.11B | Urgent coastal protection needed, says National Trust (2015) | <https://www.bbc.co.uk/news/science-environment-34771511> |
| 2B.11C | Urgent coastal protection needed, says National Trust (2015) | <https://www.bbc.co.uk/news/science-environment-34771511> |
|  | Almost 7,000 UK properties to be sacrificed to rising seas (2014) | <https://www.theguardian.com/environment/2014/dec/28/7000-uk-properties-sacrificed-rising-seas-coastal-erosion> |
| 2B.12A | Almost 7,000 UK properties to be sacrificed to rising seas (2014) | <https://www.theguardian.com/environment/2014/dec/28/7000-uk-properties-sacrificed-rising-seas-coastal-erosion> |
| 2B.12B | Almost 7,000 UK properties to be sacrificed to rising seas (2014) | <https://www.theguardian.com/environment/2014/dec/28/7000-uk-properties-sacrificed-rising-seas-coastal-erosion> |
|  | Cliff-top homes on the edge as coastal erosion intensifies (2018) | <http://www.itv.com/news/anglia/story/2018-03-20/cliff-top-homes-on-the-edge-as-coastal-erosion-intensifies/> |
| 2B.12C | Cliff-top homes on the edge as coastal erosion intensifies (2018) | <http://www.itv.com/news/anglia/story/2018-03-20/cliff-top-homes-on-the-edge-as-coastal-erosion-intensifies/> |