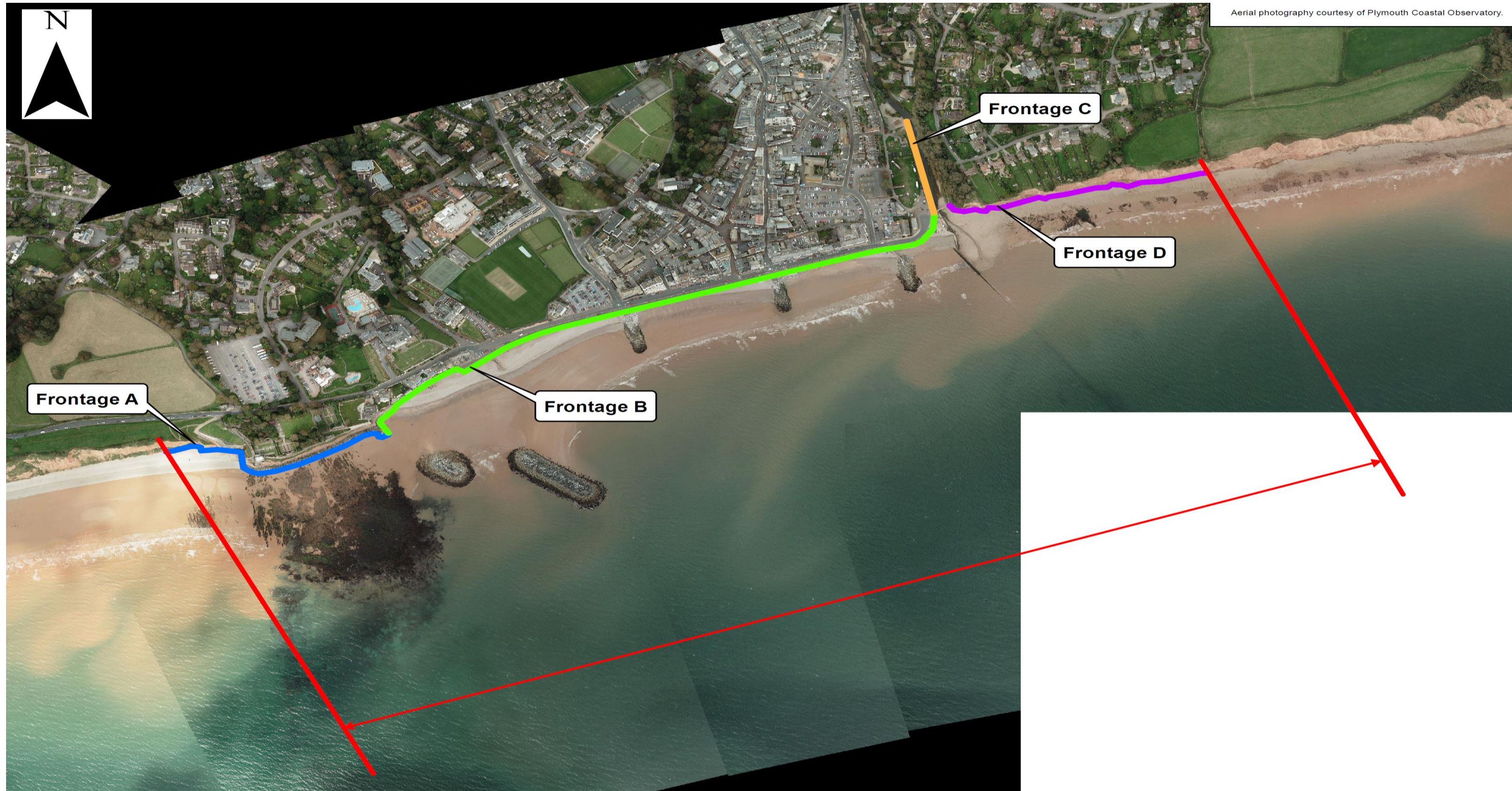


# Sidmouth Coastal Scheme

## *Proposed Improvements*



*The different frontages are characterised by different features and environments.*

### Introduction

The preferred scheme contains a number of measures that together will help to maintain and improve the existing coastal defences currently in place along Sidmouth frontage. The new defences will reduce cliff erosion, shingle loss and flooding.

The final designs of the scheme, in terms of appearance and additional amenity benefits are yet to be finalised. While there is scope to adjust the final design details, the function of the proposed measures must ensure that the requirements of the Beach Management Plan are fulfilled.

## Frontage A - *Jacobs Ladder Revetments*

- The rock revetment helps to absorb wave energy, reduce erosion and protect Connaught Gardens.
- The existing rock revetments that connect Jacobs Ladder beach to the town beach are in a moderate condition and do not require significant alteration.
- These revetments will be maintained and restored to their original condition where required.
- Where the promenade is affected by beach shingle during a storm this will be cleared when practical.

*Jacobs Ladder rock revetment*



## Frontage B - *Town Beach*

- The primary structure along the town beach is the sea wall that reduces the horizontal erosion of the shore. This has in the past been improved and foundations strengthened.
- The existing rock breakwaters and groynes are designed to hold a wider shingle beach that will both protect the wall and dissipate some of the wave energy reducing wave overtopping.
- The existing shingle beach has been depleted over time and therefore it is intended to recharge the beach to the design levels. This will also increase the amenity space available to the community.
- The increased beach shingle will absorb storm energy, further reducing wave energy and the rate of wave overtopping along the frontage.
- The existing groynes will continue to help reduce the loss of shingle from the beach in the future.
- With the expected water level and storms, the height of the defences will need to be increased to provide an acceptable standard of defence and obtain funding for the improvements.
- The splash wall at the back of the promenade can be increased in height to reduce the volumes of sea water reaching the town, reducing the flood risk.
- The style of this wall is presented on another poster where we welcome your ideas.
- Maintenance to the River Sid training wall at the east end of the Town Beach. This structure helps to maintain the level of shingle on the beach before the river.

