

Our Approach to Coastal Change

Hannah Jefferson, General Manager

West Dorset & Cranborne Chase

Our Approach

Our vision is that our coasts …

- can adapt to climate change
- are diverse, beautiful and inspiring
- are rich in wildlife
- provide great access for all
- are alive with history
- contribute to the economy and wellbeing of all



Our Approach

Underpinned by principles:

- work with not against nature
- promote an adaptive approach
- think and act in a wider context
- plan for the long-term
- involve the public and communities
- work in partnership





Managing Coastal Change at Studland

Hannah Newton, Project Manager

Middle Beach sea defence removal Autumn 2025








Change in Elevation (m)
Accretion
>= 3
2.5 - 3
2 - 2.5
1.5 - 2
1 - 1.5
0.5 - 1
0.25 - 0.5
-0.25 - 0.25
Erosion
-0.5 - -0.25
-1 - -0.5
-1.5 - -1
-2 - -1.5
-2.5 - -2
-3 - -2.5
<= -3
Model Extent
Aerial Photography: 2022
N
Channel Coastal Observatory
0 12.5 25 50
m

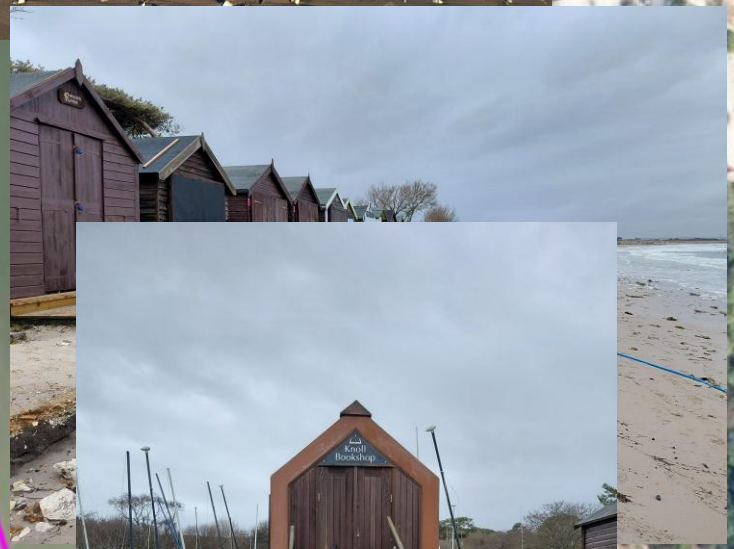


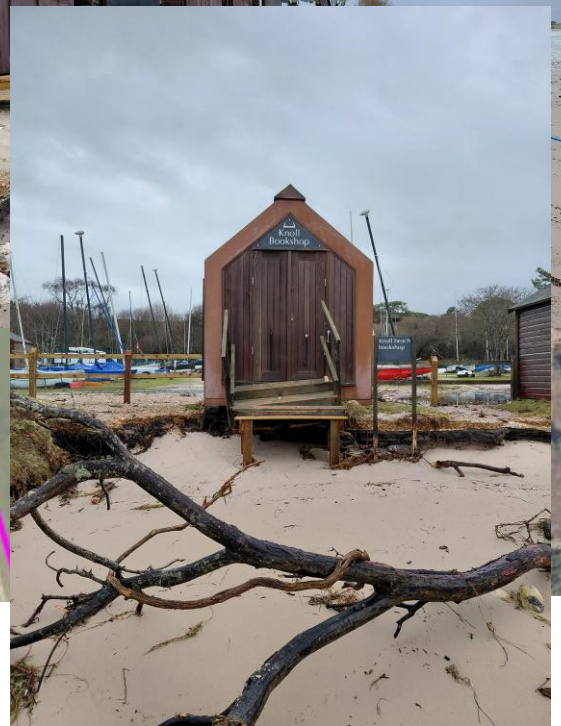
Knoll Beach

Image January 2026 of café & shop
after loss of dune protecting area

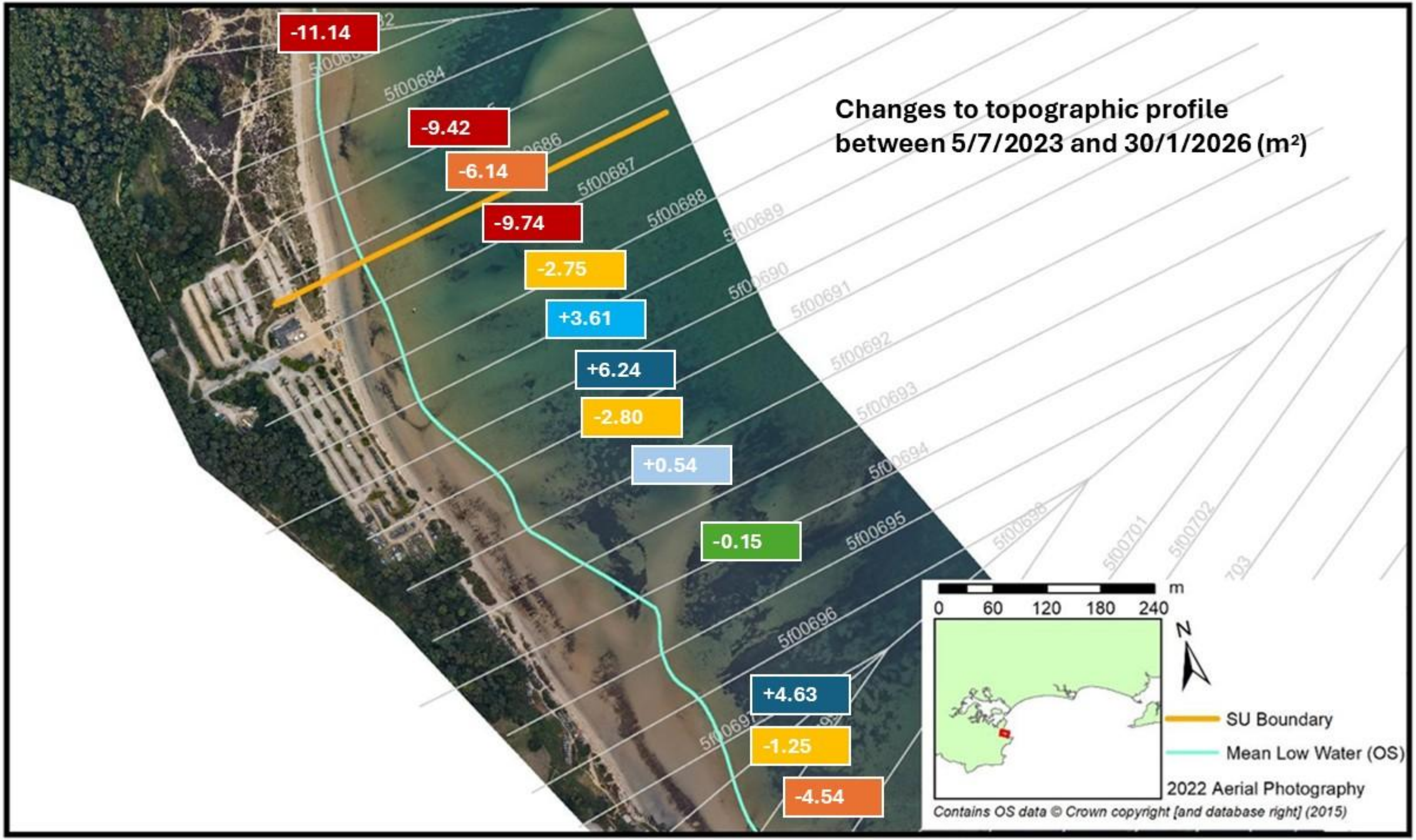

2015





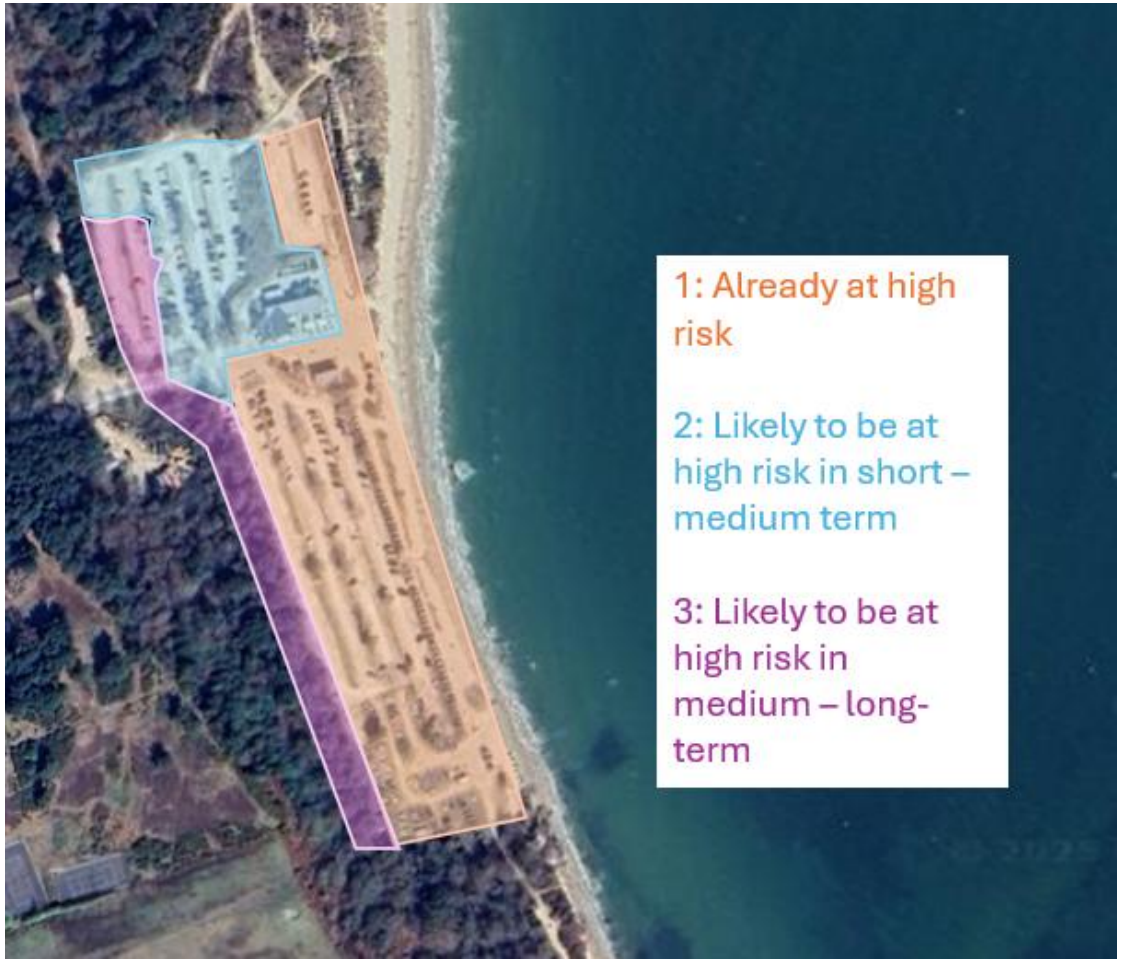

Knoll
Bookshop


2025


Changes to topographic profile between 5/7/2023 and 30/1/2026 (m²)
-11.14
-9.42
-6.14
-9.74
-2.75
+3.61
+6.24
-2.80
+0.54
-0.15
+4.63
-1.25
-4.54
5f00684
5f00686
5f00687
5f00688
5f00689
5f00690
5f00691
5f00692
5f00693
5f00694
5f00695
5f00696
5f00698
5f00701
5f00702
703
0 60 120 180 240
m
N
SU Boundary
Mean Low Water (OS)
2022 Aerial Photography
Contains OS data © Crown copyright [and database right] (2015)



Erosion risk zones (NCERM)



Flood risk zones (Based on NaFRA, Ambiental)

Hive Beach Coastal Adaptation Project



Mark Brett, Project Manager

Coastal erosion, surface water run-off & surges







NCERM data – spatial planning

NCERM DATA

- Datasets represent long term to 2105 and medium term to 2055
- Management scenarios - no future interventions

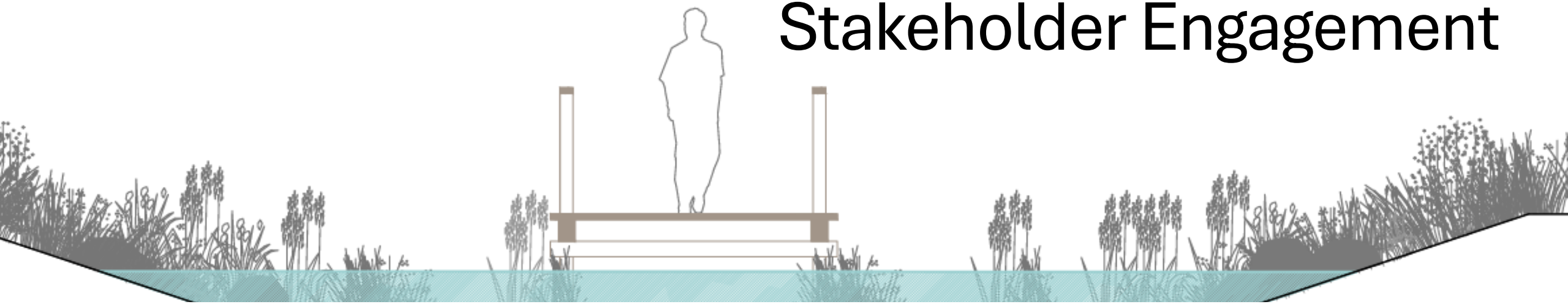


The Shoreline Management Plans and erosion risk mapping have identified that over the next one hundred years the cliff is expected to erode by between 16-40m until 2105 in the absence of any active intervention. The summary approach is to allow natural coastal evolution.

Indicative masterplan



Stakeholder Engagement



- 3D Models assisted communications / understanding
- One to one meetings with immediate neighbours
- Village Hall Session open invitation
- Drop-in sessions at Parish Council meeting room

