

Pakefield Monthly Monitoring Report

Inspection Date & Time: 08/28/2020 10:56 AM

Time of Low Tide: 10:30

Height of low tide (Lowestoft) m ODN or CD: -0.4m ODN

Inspector: LG

Reason for Inspection: Post weather / high water level event

Current & antecedent metocean conditions: Currently F1-2 SE winds and 1m SE swell. Within the last 7 days there have been two unseasonably windy events, most notable was Storm Francis which sat 50mph winds from the South and West (offshore). However some large but short-lived NE swell pushed down the North Sea which coincided with some of the larger spring tidal ranges seen this year. The water would have inevitably reached the base of the cliffs along the whole (southern Pakefield) cliffed Frontage.

Initial impression of coastal change: Minor adverse changes

Northern extent of beach cliff: Beach Cliff northern extent is opposite Nightingale road & in front of fishing boats.

No significant northward progression since previous inspection.

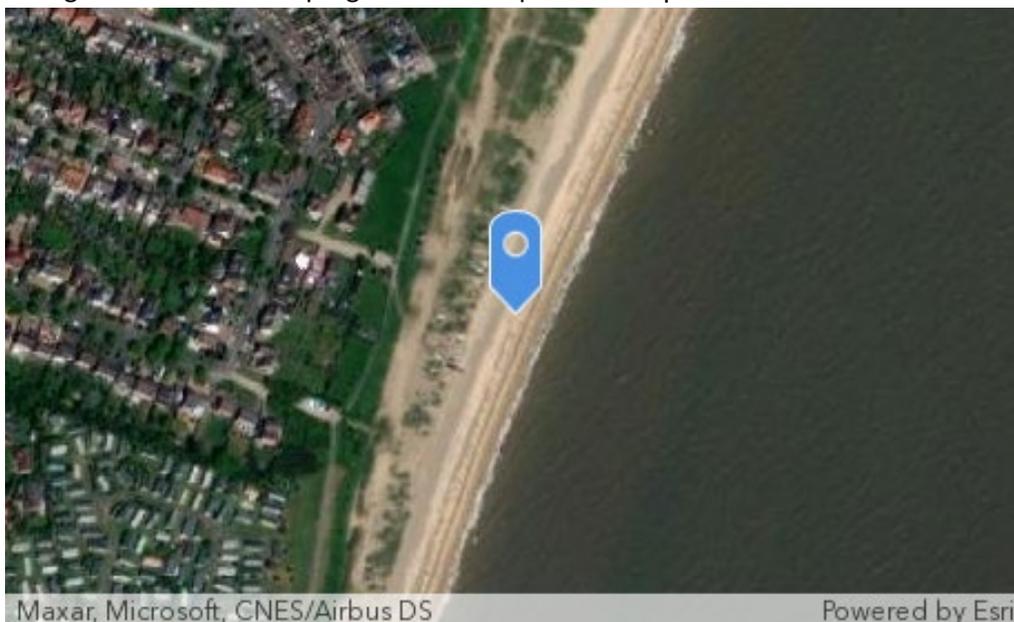


Photo of beach cliff #1 (looking to north Pakefield from life buoy):



Photo of beach cliff #2 (looking south from norther extent of beach cliff = old buried groyne)



Photo of beach cliff #3



Maximum height of beach cliff: 2.5m (appears higher than previous inspection – which can only mean the beach levels are lower).

How has the beach morphology changed since last inspection? Beach Cliff recession indicated by steeper face, with pebbles exposed and vegetation loss from crest. No berms on foreshore but some evidence of cusps in gravel deposits- this indicates edge waves and is a function of obliqueness of incident waves. Freshly fallen trees and overhanging turf along the southerly cliffed section indicate active erosion however base of cliffs appear to have a healthy level- due to slumped material from cliffs. Flat low intertidal area seems excavated by waves - possibly just rotation and reorganization of material than permanent loss. Expect some material back with southerly constructive swell waves.

Signage: Asset Present - No defects

Comment on signage: Condition fine but sign hardly seen due to lack of passing footfall. SCC Footpath closure legible.

Distance from sign to beach cliff edge? 8 – this is one pace less than last inspection evidencing beach cliff retreat. After a hiatus of a few months, this shows the beach cliff is still actively receding back towards the main, vegetated cliff which supports the properties.

Photo of intertidal zone /cross-beach by sign



Photo of beach (looking North at the extent of active main-cliff erosion):



Photo of beach-cliff beneath 'The Cliffs' properties:



Photo of cliff section below The Rosary:



Cliff top assets: (distance from cliff top) no change from last inspection due to no change in main vegetated cliff.

Pakefield Caravan Park assets: <10m

The Rosary: <2m

Vista Caravans: <5m

Chalets: <10m

Comments on cliff top property/assets: The actively eroding cliff face beneath the Rosary has increased in height indicated by a larger expanse of unvegetated cliff face- almost reaching cliff top. There are active back-scars showing mass movement is ongoing and this area is to be kept under close supervision.

Note to Inspector:

Assessment of cliffs: **Relatively Stable Unstable Highly Unstable** Little recent mass movement

Monitoring cliff recession: Slumps continued

Photo of cliffs #1:



Photo of cliffs #2:



Hazards / Debris

Hazard / Debris: Partially exposed but more covered than previous inspection to due material slumped from eroding cliffs.

Photo of hazard / debris #1



Photo of hazard/debris #2: pipe work and caravan services more exposed on cliff top than seen on previous inspection- indicates active recession over PCP frontage.



Photo of hazard/debris #3



Comments on beach hazards/debris: No more debris on beach than previous. Mostly buried better at the back beach due to fallen cliff material.

Inspection follow up: Share report. Consider activities needed to prepare ourselves & the community for any eventuality this winter. Meet to discuss.