

## **Thorpeness Monthly Walkover Inspection**

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**Date & Time of Inspection:** 08/28/2020 12:42 PM

**Time of Low Tide:** 13:00

**Height of Low Tide (m ODN):** -0.4

**Inspector:** LG

**Current weather & antecedent conditions:** Calm F1-2 SE wind and low swell ~1m. Storm francis 4 days ago: 50mph winds recently brought large NE swell but south-west winds predominantly cross-offshore. Negligible change to southern (village) frontage. More change to Northern cliffed frontage.

**Beach levels over UNDEFENDED Village frontage (South):** Negligible - No change

**PHOTO: Thorpeness village frontage (south):**



**Describe the current beach morphology in front of the Headlands:** Little change. Large berm peters out in front of headlands. Smaller berms to seaward. Mixed sand gravel foreshore: Fairly steep but wider than previous due to lower tidal level. Some shallow cusps in gravel at low watermark. No evidence of alteration by wave action.

**PHOTO: In front of Headlands**



**Describe the current beach morphology over the defended frontage:**

Same as southern frontage but with more gravel on foreshore. Much more gravel on back beach in recess before gabions. Positive first impressions.

**PHOTO: significant morphological feature** – yet more gravel pushed in to the recess south of the gabions. This indicates the beach is naturally trying to roll back but is constrained by the properties.



**Beach levels over DEFENDED Village frontage (North):** Modest accretion (defences all or partly covered)

**PHOTO: Thorpeness village frontage (North):**



**Condition of Phase 1 Geobags:** Geobags all or partially buried - minor defects

**PHOTO: Phase 1 Geobags**



**Condition of Phase 2 Geobags:** Geobags all or partially exposed - major defects

**Phase 2 Geobags:** Holed , Loss of Fill, Displaced

**PHOTO: Phase 2 Geobags:**



**Comments on defended village frontage:** Much improved since WMA tidy up, although many geobags are still exposed in the intertidal zone there are no long straggly bits visible.

**PHOTO: Geobag debris on foreshore:**



**Condition of (1976) Gabions:** 4) Poor -Defects that would significantly reduce performance of asset. Sharps / spikes, Gaps in mesh, Loss of fill, Loss of structural integrity

**Comments on Gabions:** Sediment infilling voids. Tidying by WMA looks good, wooden stumps successfully removed, but possible further destruction from storm Francis has reshaped mesh.

**PHOTO of Gabions:**



**PHOTO of termination of defences at north end:**



**Comment on the north end termination/transition:** Serious erosion at north end caused by large NE swell waves.

**PHOTO of cliff instability beneath Red House's deck:**



**PHOTO of cliff erosion beyond north end defences:**



**PHOTO of beach/cliffs looking north to Thorpe-Ness:**



**PHOTO of any significant hazard to public safety:** Metal debris washed up by storm Francis?



Object moved to top of gabions to avoid footfall.

**SIGNAGE:**

**Condition of signage:** Asset/s present - no defects

**Comments on signage:** New sign installed in a more obvious position. Looks good. Clear and legible.

**PHOTO of signage:** Warning signage moved to more prominent position.



**Inspection Follow up:** Share report and knowledge of active beach cliffing and cliff recession at the northern end. Discuss consequences of the outflanking of terminal geobag defense on Red House's protruding deck area.