



Storm damage sustained to coastal assets across the SCOPAC region 17th January – end of February 2014





The Cobb



Charmouth

WEST DORSET & WEYMOUTH COUNCIL



West Bay



West Bay



West Bexington



Chesil void

WEST DORSET & WEYMOUTH COUNCIL



Weymouth



Ringstead



PURBECK DISTRICT COUNCIL

Café at **Lulworth Cove** which now has to be demolished to make it safe.



Holes Bay, Poole Harbour: Damage to a rock revetment and erosion of bank adjacent to the A350.



Blandford Road, Hamworthy: Flooding on high tide 14th February. 10 properties flooded.

POOLE BOROUGH COUNCIL

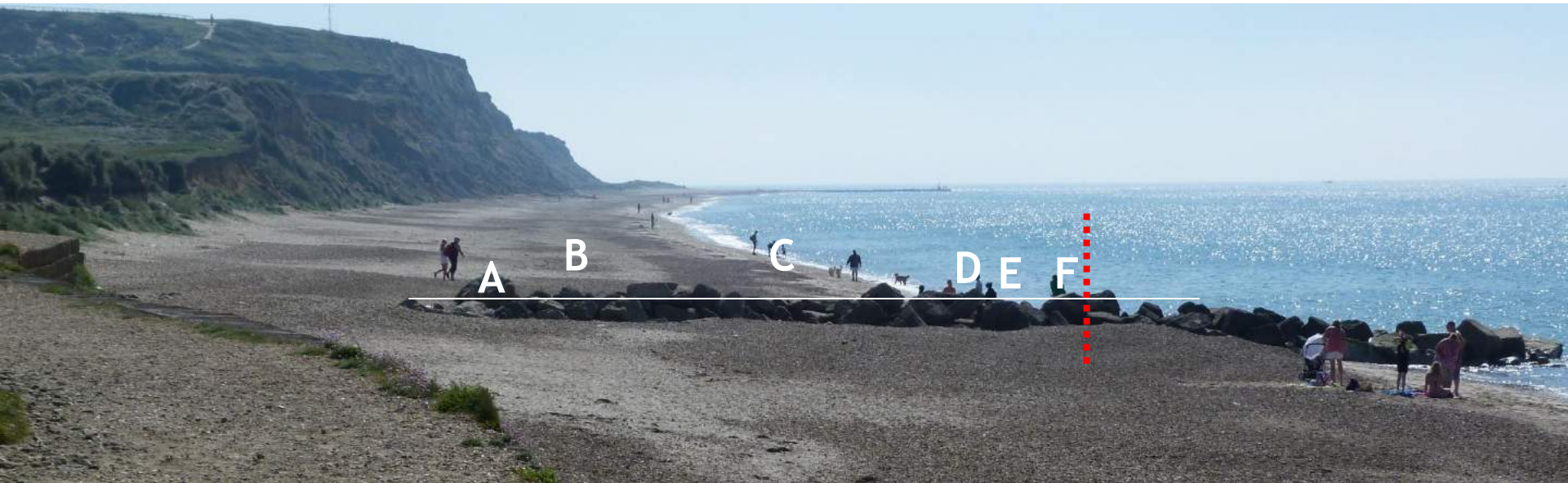


Damage to rock groynes at **Sandbanks**. Beach displaced, rock on walkway.



Erosion at **Sandbanks**. Steps of new properties built to sand levels before winter.

Figure 1a. **Hengistbury Head** rock groyne 57 at high tide on 23rd July 2012. Photos by Dave Harlow



BOURNEMOUTH BOROUGH COUNCIL

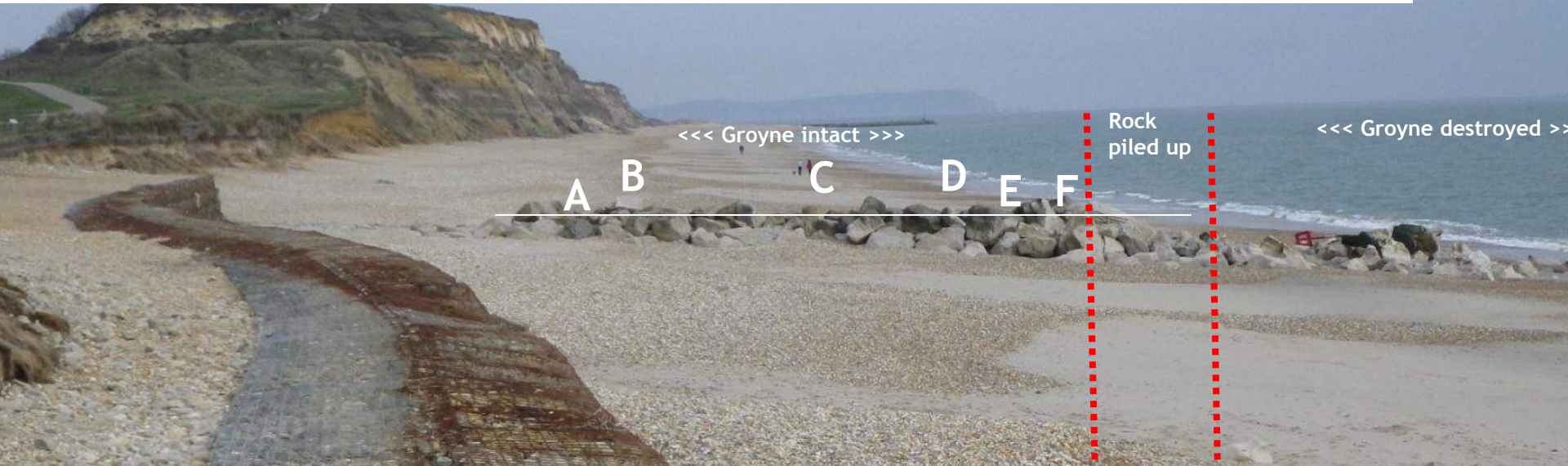


Figure 1b. **Hengistbury Head** rock groyne 57 at low tide (0.2m) on 31st March 2014.

Figure 2a. **Hengistbury Head** rock groynes 55, 56, & 57 at high tide on 23rd July 2012.
Photos by Dave Harlow.



BOURNEMOUTH BOROUGH COUNCIL



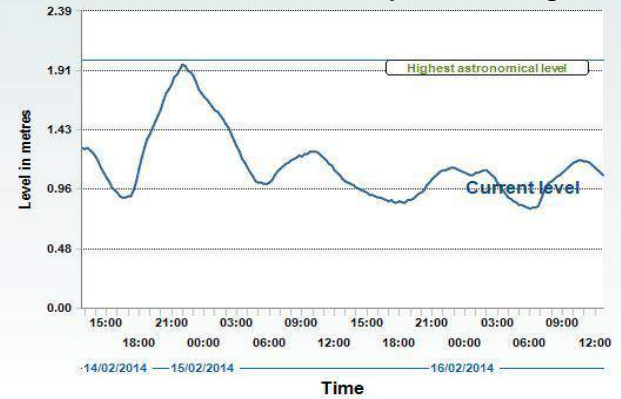
Figure 2b. **Hengistbury Head** rock groynes 55, 56, & 57 at low tide (0.2m) on 31st March 2014.

**Avon/Friars Cliff beaches
access ramp**



**Avon/Friars Cliff beaches
access ramp** 20/03/2014

14 Feb Christchurch Quay Tide Gauge



**Highcliffe Beach slumping of
rock revetment**



50 beach huts
destroyed on **Avon
Beach**; military
assistance



**Mudford Quay
flood defence wal**

CHRISTCHURCH BOROUGH COUNCIL



NEW FOREST DISTRICT COUNCIL

Barton



NEW FOREST DISTRICT COUNCIL

Barton



NEW FOREST DISTRICT COUNCIL

Barton





45 huts destroyed
19 huts damaged



30 huts destroyed

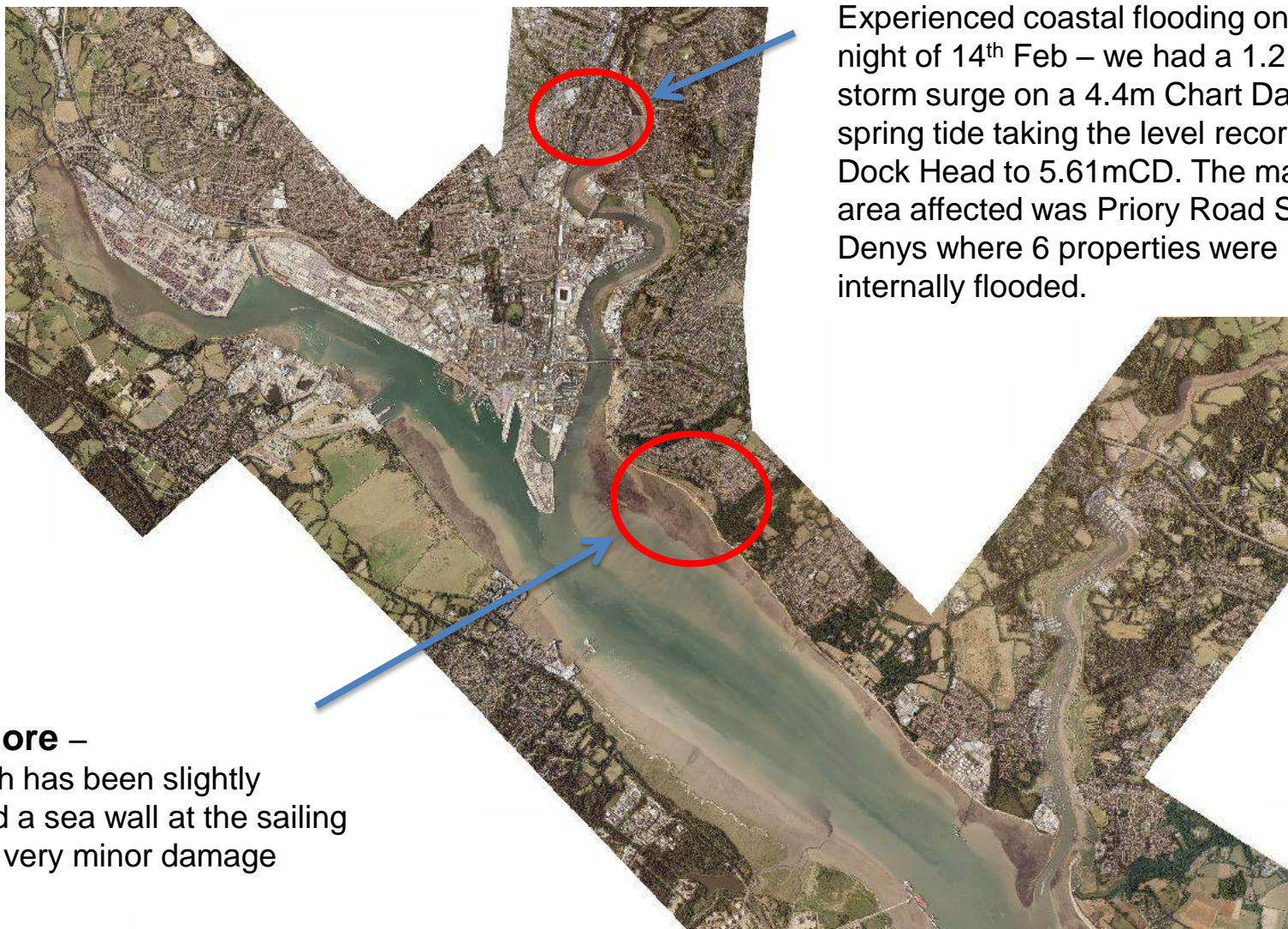


NEW FOREST DISTRICT COUNCIL
Hordle and Milford



NEW FOREST DISTRICT COUNCIL

Hurst Spit



Priory Road, St Denys -

Experienced coastal flooding on the night of 14th Feb – we had a 1.21m storm surge on a 4.4m Chart Datum spring tide taking the level recorded at Dock Head to 5.61mCD. The main area affected was Priory Road St Denys where 6 properties were internally flooded.

Weston Shore –

A coastal path has been slightly undercut, and a sea wall at the sailing club has had very minor damage

SOUTHAMPTON CITY COUNCIL





Abbey Hall footpath and seawall



Netley Abbey



Hamble Common car park



Weston wall collapse – near sailing club

EASTLEIGH BOROUGH COUNCIL

EASTERN SOLENT COASTAL PARTNERSHIP

**Havant Borough Council, Portsmouth City Council, Gosport
Borough Council and Fareham Borough Council**



Recent Storm Events – Cador Drive, Fareham



Recent Storm Events – Town Quay, Fareham



EASTERN
SOLENT | COASTAL
PARTNERSHIP

Recent Storm Events



Wallington, Fareham

Workhouse Lake, Gosport



Recent Storm Events – Warsash, Fareham



**EASTERN
SOLENT**

**COASTAL
PARTNERSHIP**

Recent Storm Events – Solent Breezes, Fareham



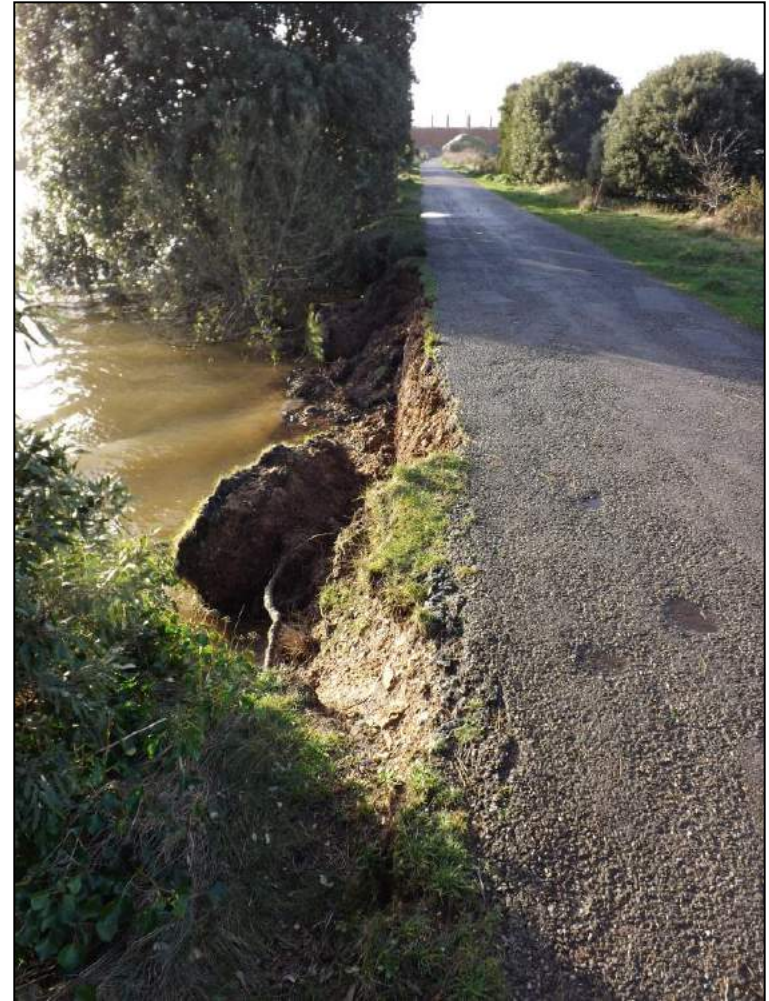
EASTERN
SOLENT

COASTAL
PARTNERSHIP

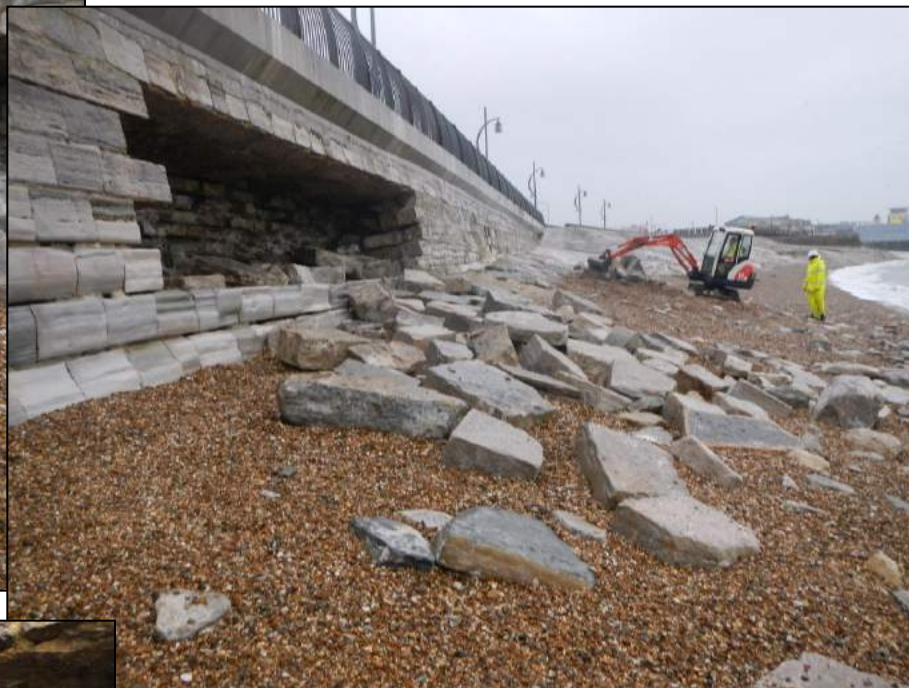
Recent Storm Events – Hill Head, Fareham



Recent Storm Events – Gilkicker, Gosport



Recent Storm Events – Long Curtain Moat, Portsmouth



Recent Storm Events – Southsea, Portsmouth



Recent Storm Events – Portsmouth

Eastney



Eastern Road



Recent Storm Events – Farlington Marshes, Portsmouth



EASTERN
SOLENT | COASTAL
PARTNERSHIP

Recent Storm Events – Eastoke, Havant



Recent Storm Events – Havant

Langstone Bridge



Langstone High St



Warblington



Broadmarsh



Recent Storm Events – Southmoor, Havant





Bracklesham Beach draw down, overtopping and damage to timber breastworks



Earth cliff at East beach exposed first time in 50 years



CHICHESTER DISTRICT COUNCIL



CHICHESTER DISTRICT COUNCIL

Medmerry - major overwashing with lowering of the beach crest in several locations.



ISLE OF WIGHT COUNCIL

West Wight



Sandown Bay seawall damage



Seaview damage to coastal footpath



Ventnor damage to railings



12 FEBRUARY 2014



15 FEBRUARY 2014

ISLE OF WIGHT COUNCIL

**St Lawrence, Ventnor: Weather related land
movement**



Shanklin:

Failure to cliff top stabilisation and damage to sailing club

ISLE OF WIGHT COUNCIL

SCOPAC

STANDING CONFERENCE
ON PROBLEMS ASSOCIATED
WITH THE COASTLINE



Storm damage sustained to Environment Agency south-west region between 17th January – end of February 2014

Neil Watson















Lindy Lou
WEST LAY

CHARISHA

NN11

WH786

WH





DANGER - Rocks falling from cliff.
Serious risk of injury or death.
Stay away from the edge.
You remain at your own risk.



The Storm of 5th February – Wind Force 8/9 waves 7.5m













➔ Swanage

Beach 00:15 15 February



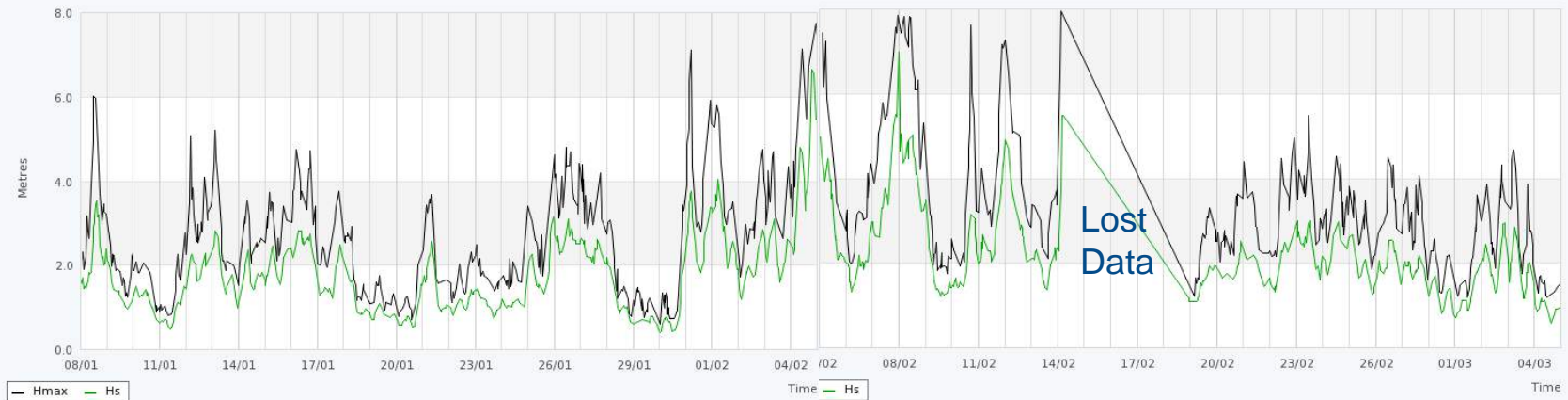




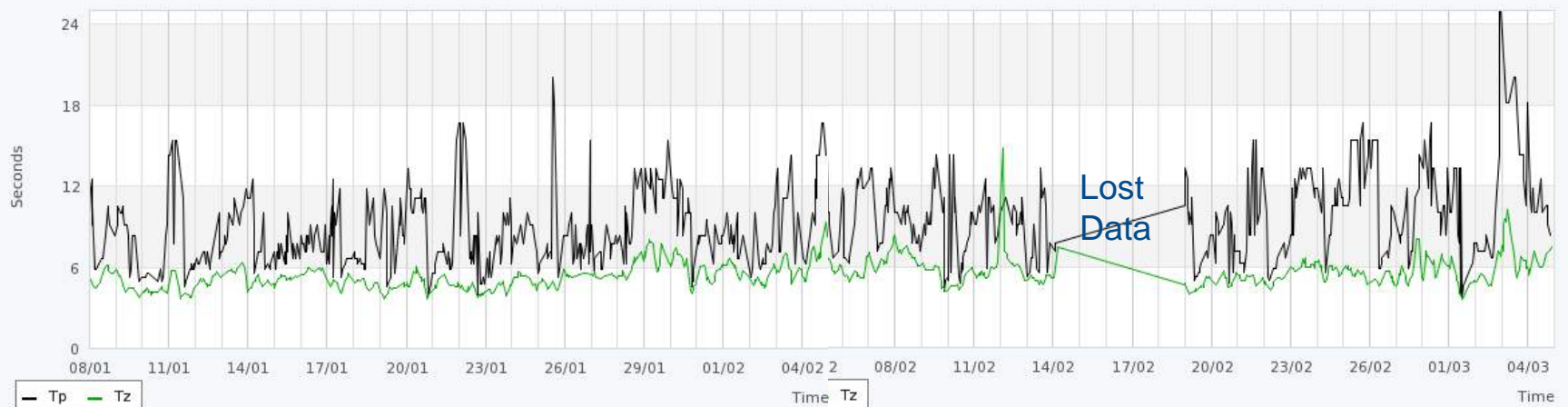


Chiswell 5th February 2014

January & February Wave heights Chesil Bay (Green line average, black line maximum)



January & February Wave periods Chesil Bay (Green line average period, black line maximum)



Chesil Cove May 2013 © Alan Holiday



Chesil Cove Feb 2014 © Alan Holiday





The Little Ship 5th February Source BBC



Road closed February 5th 2014



Large objects and masonry washed down opes

Indicative cost estimate

➔ Survey (land and air)	£15,000
➔ Shingle recycling	£170,000
➔ Gabion repairs	£180,000
➔ Sea wall repairs	£250,000

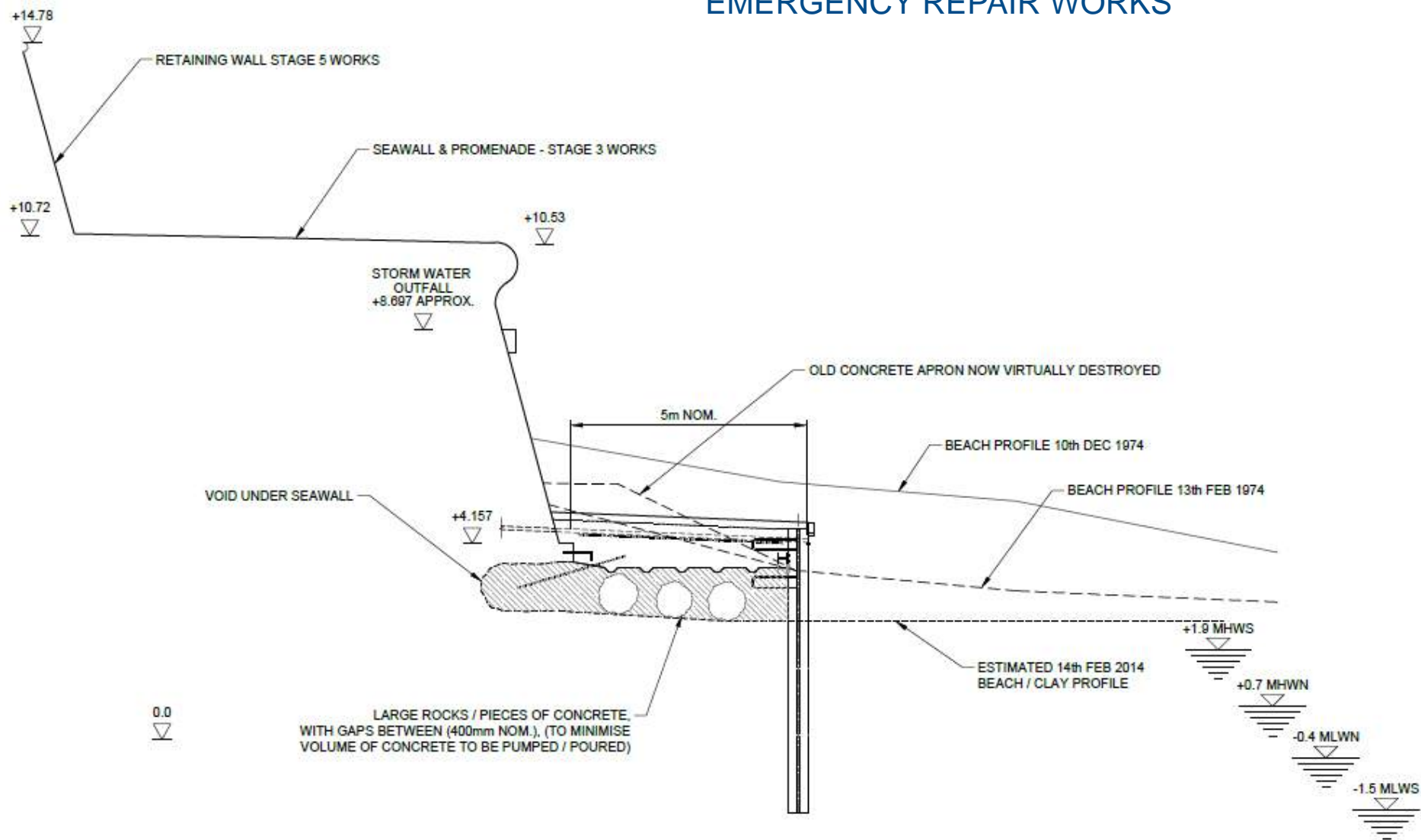


Clay foundation to sea wall exposed



Beach draw down in front of sea wall

CHESIL COVE SEA WALL- TYPICAL SECTION EMERGENCY REPAIR WORKS



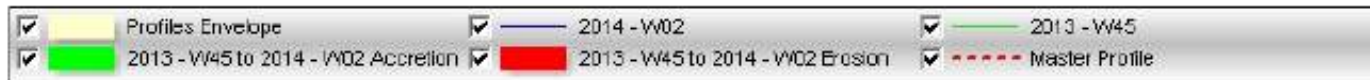
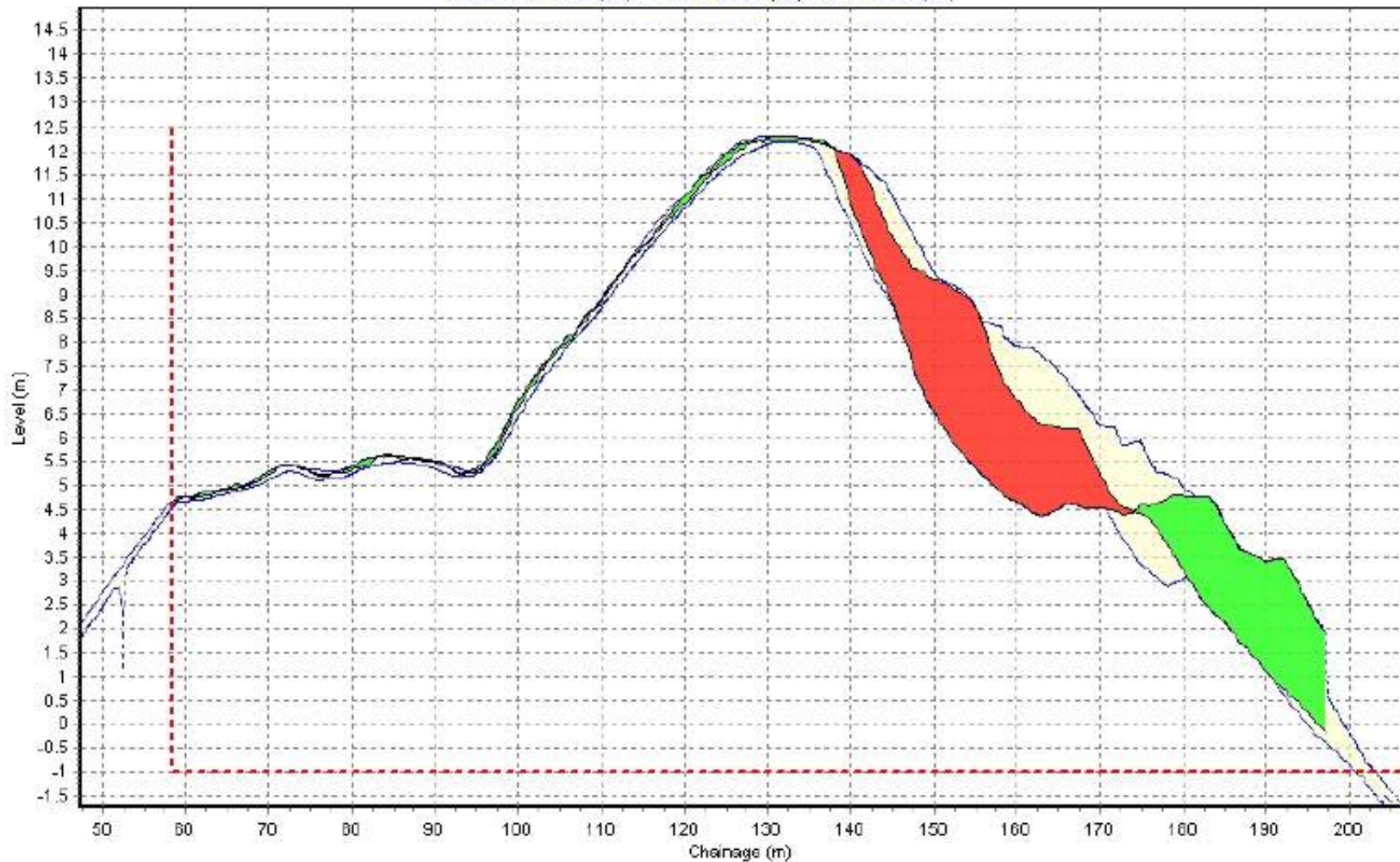
TYPICAL SECTION

Typical Shingle losses & gains across the beach

Chesil Beach (Chiswell, Portland) Storm Events: Initial Beach Profile Analysis
Prepared by: Alan Frampton, CH2M HILL Halcrow (21st February 2014)

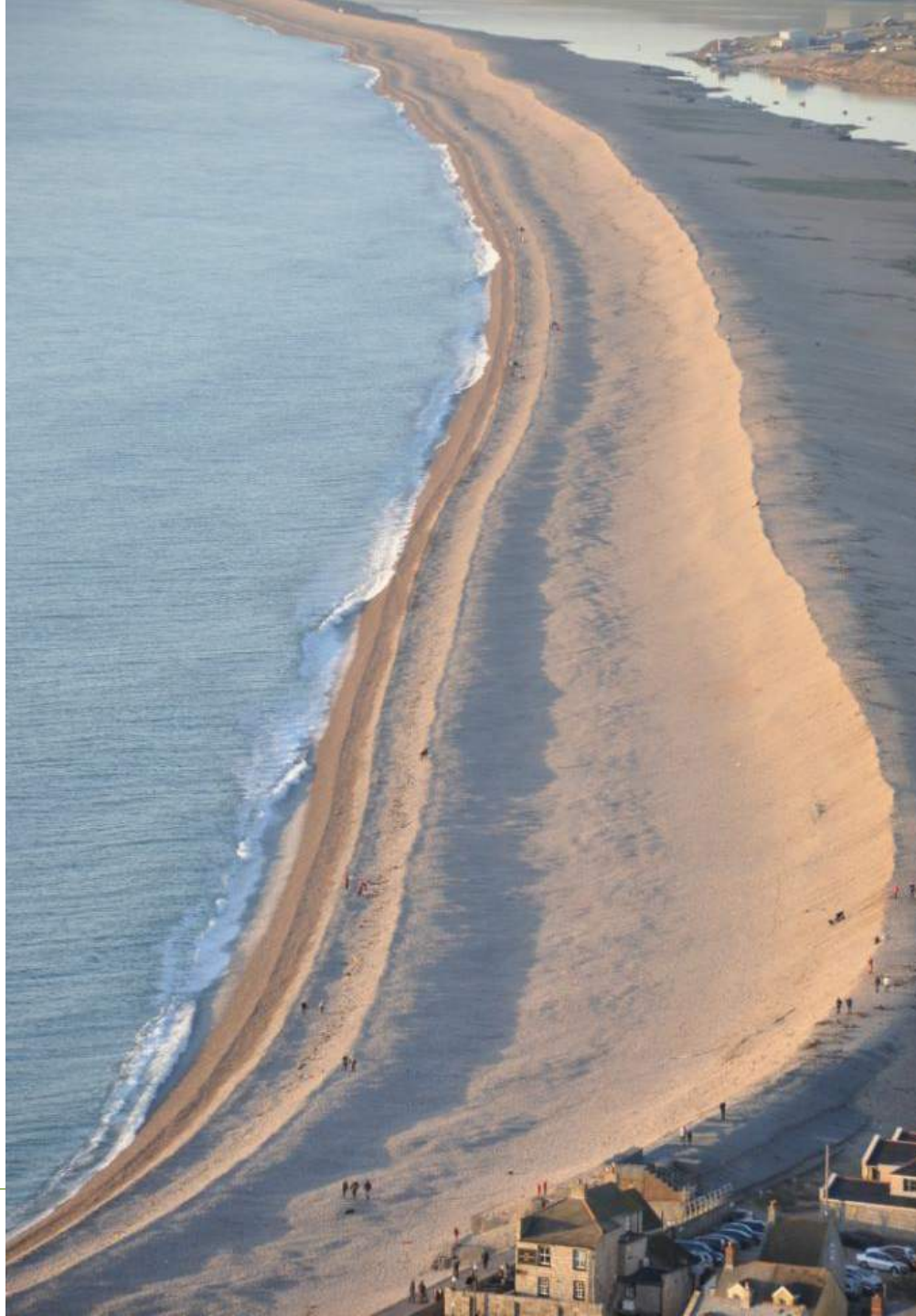
Beach Profiles: 6a00142
Changes between 2013 - W45 and 2014 - W02
Accretion = 46.53 (m²) Erosion = -65.00 (m²) Total = -18.47 (m²)

SAIDS





Shingle removed from front face of beach 14/15 February



Beach profile changed 15 February 2014



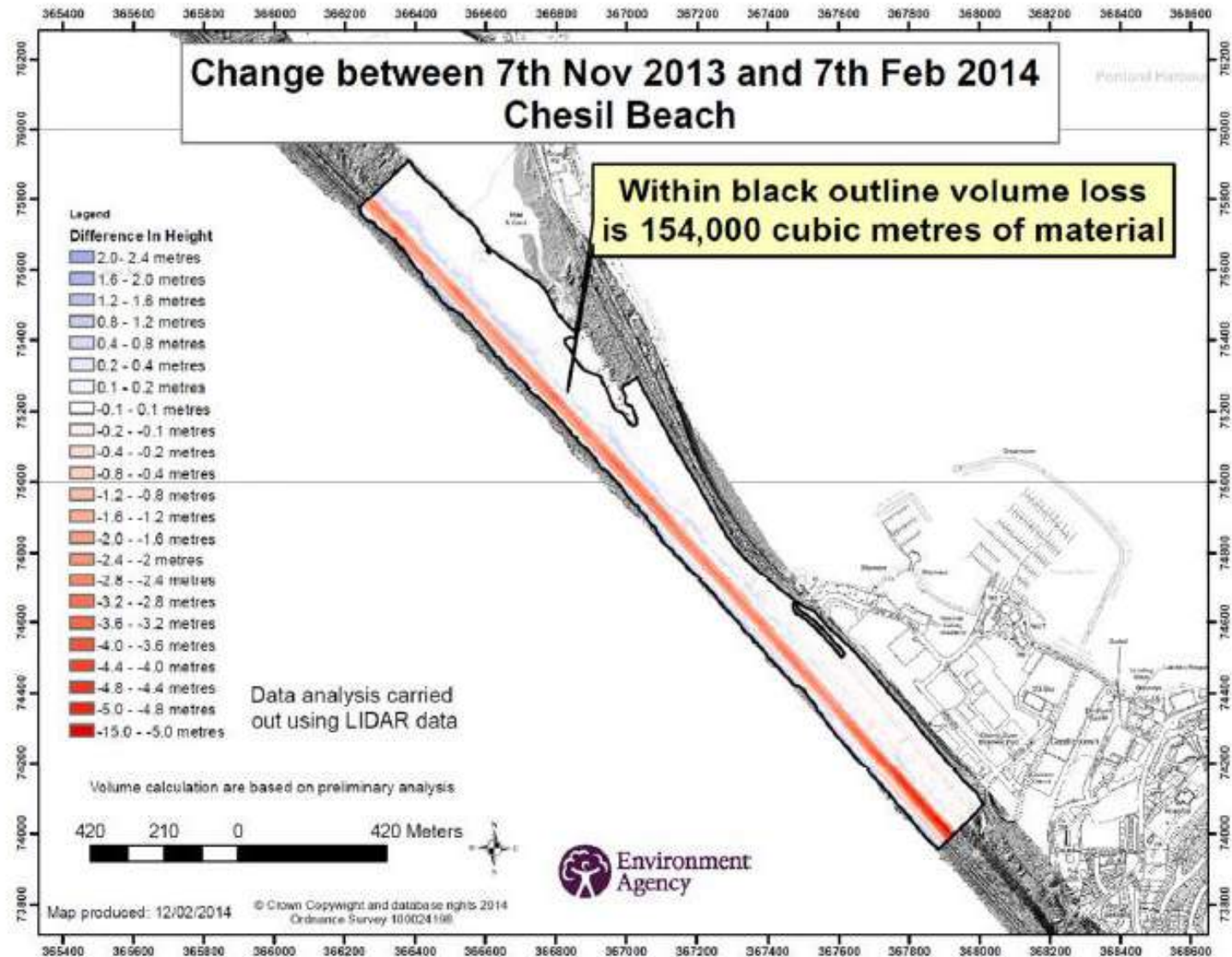


Figure 3-4 Beach volume changes between 7th November 2013 and 7th February 2014.



KEY



EXTENT OF GABIONS INSTALLED IN 1989



MOST RECENTLY INSTALLED GABIONS (1990s/00s)



GABIONS BASKETS APPEAR TO BE DAMAGED BEYOND REPAIR AND REQUIRE REMOVAL AND REPLACEMENT

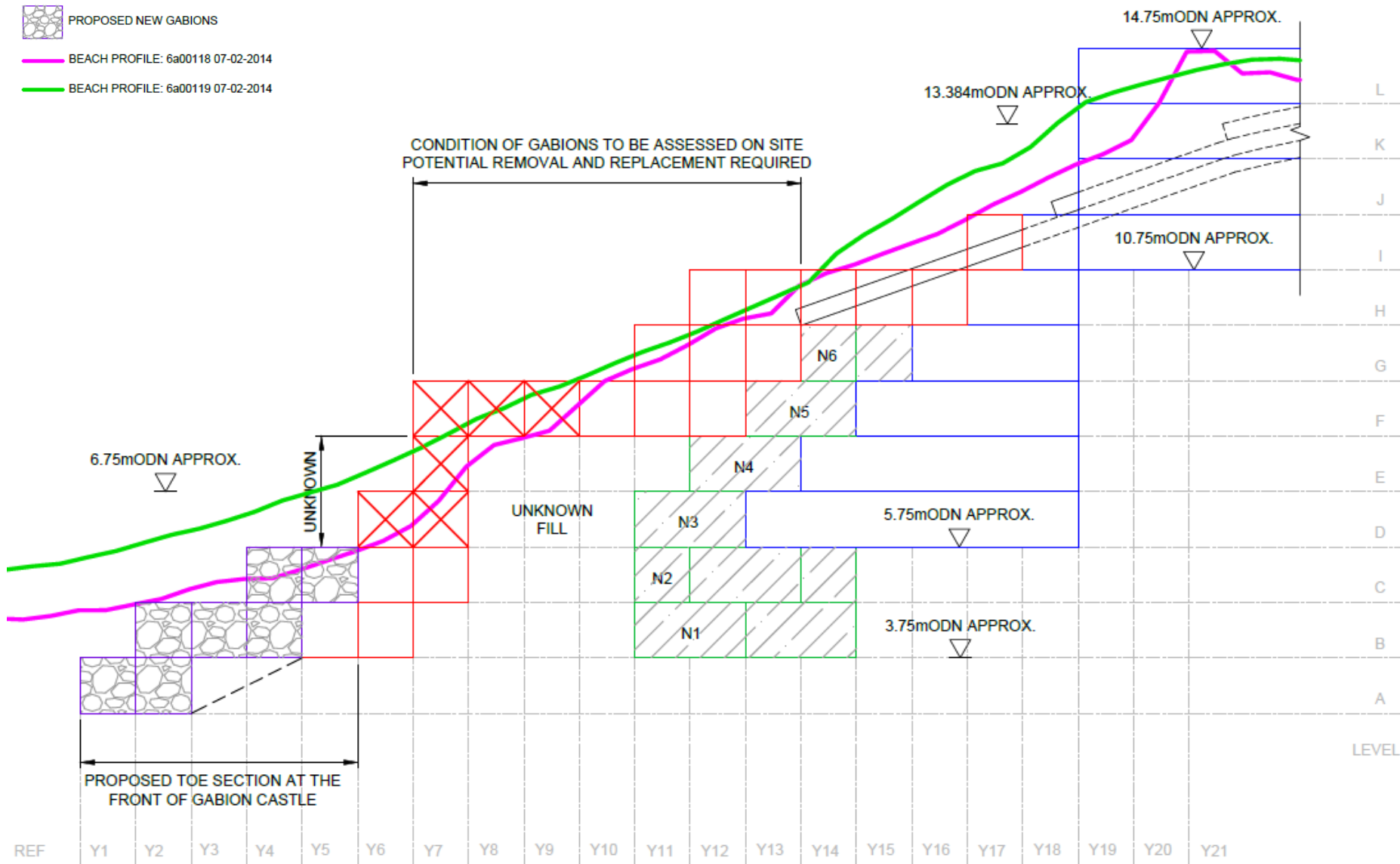


PROPOSED NEW GABIONS

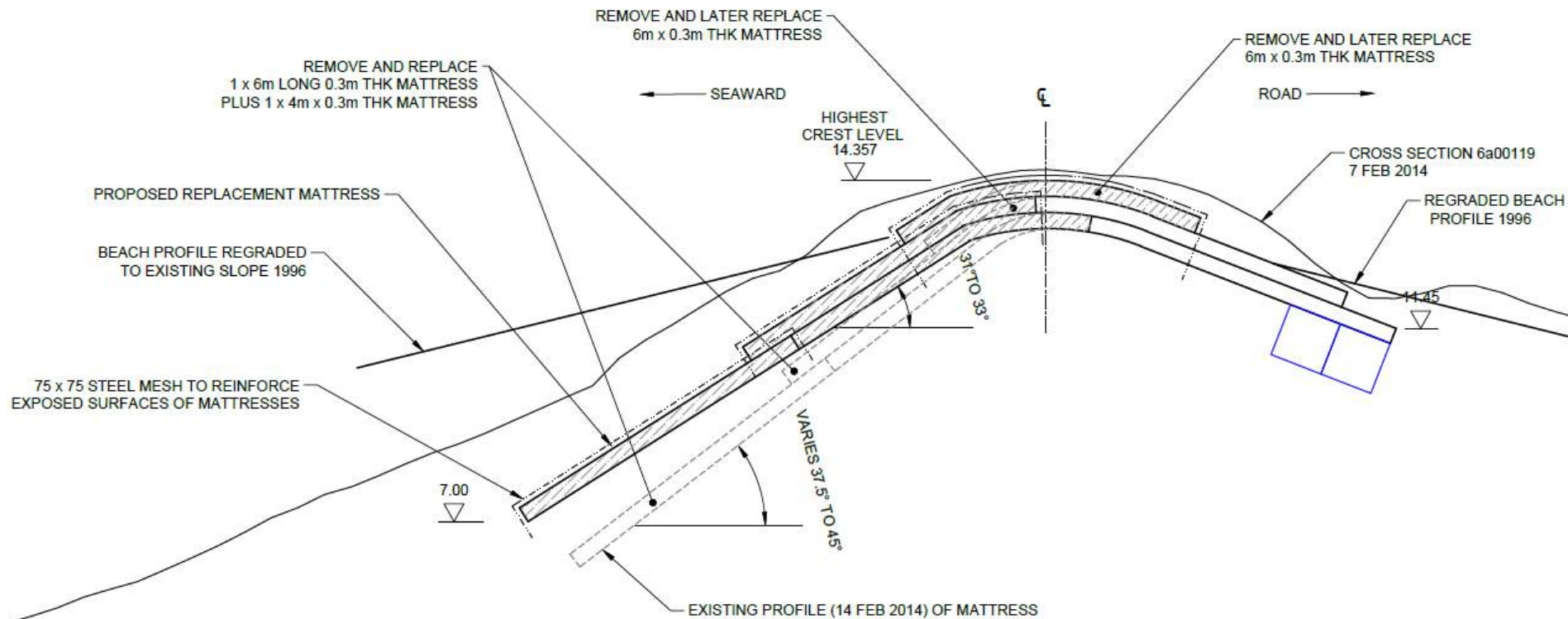
Beach Profile: 6a00118 07-02-2014

Beach Profile: 6a00119 07-02-2014

GABION CASTLE – TYPICAL SECTION EMERGENCY REPAIR WORKS



GABION MATTRESSES – TYPICAL SECTION EMERGENCY REPAIR WORKS



BEACH PROFILE 6a00119 THROUGH GABION MATTRESSES

Contact details

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