Overview of Kent South London and East Sussex Area winter and spring flooding

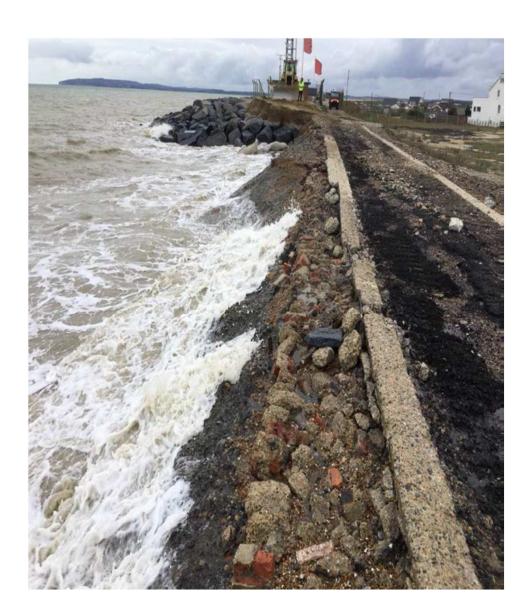
September –October High tide event

Combination of wet and windy weather conditions and high tides from Sunday 29 September to Wednesday 2 October

We issued 31 Flood Alerts and 12 Flood Warnings

Closures of the Thames Barrier and Associated Gates, and operation of assets in north and south Kent.

Our field teams were out at various locations around the Kent coastline checking defences, replenishing shingle on the beaches and distributing sandbags. One of the key areas affected was Jury's Gap, near Rye.



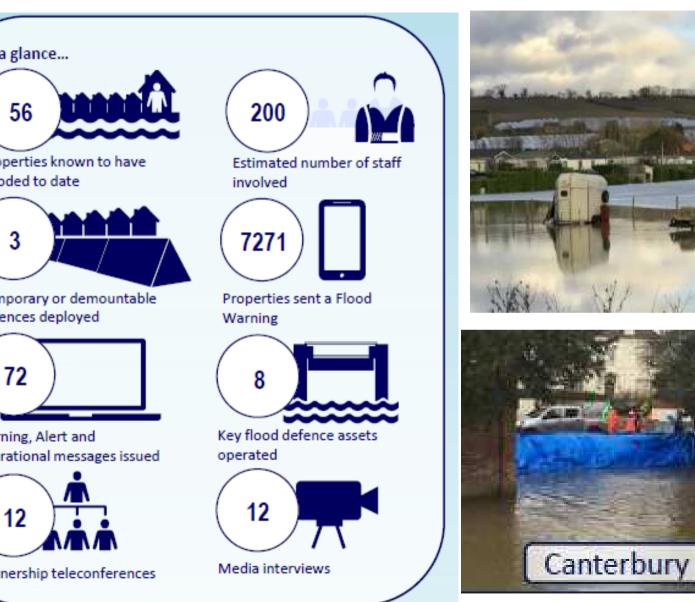








December 2019 flooding event





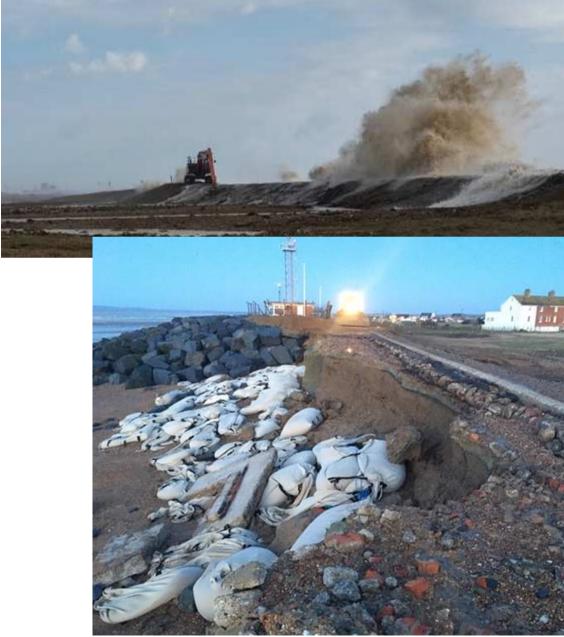
Nailbourne and Little Stour flows early 2020

ailbourne & Little Stour system flowed full ngth for first time since 2016 ne EA chaired a Multi-agency group through the cident to share information and co-ordinate perational actions ghway gulleys were cleared, temporary arriers installed, fords closed, Littlebourne relief nannel operated ows peaked on 5 March following a day of very eavy rain across East Kent ood Alerts were issued ahead of this peak and ere removed in April nere were no reports of internal flooding to operty or groundwater flooding to basements outhern water witnessed some surcharging of eir network and used tankers to relieve loading



February 2020 storm events

orst storm conditions since 2013/14. orm Ciara and Dennis brought strong winds and avy rain to parts of the country issued 55 Flood Alerts and 24 Flood Warnings. 17 the Flood Warnings were from Storm Dennis alone. ood Storage Areas such as Leigh, Aldington, thfield, Stonar Cut and Coult Stream were also used e also deployed temporary defences at Westgate ordens in Canterbury to protect 40 properties and rried out a partial closure of the Robertsbridge mountable defences to protect 28 homes. lding the Partnership enacted the Medway influence plan to coordinate sandbag deployment, ad closures and support for the communities. e Leigh Flood Storage Area impounded to hold the ak of the flood waters on the Medway and reduced k to over 1,200 properties in Tonbridge and denborough



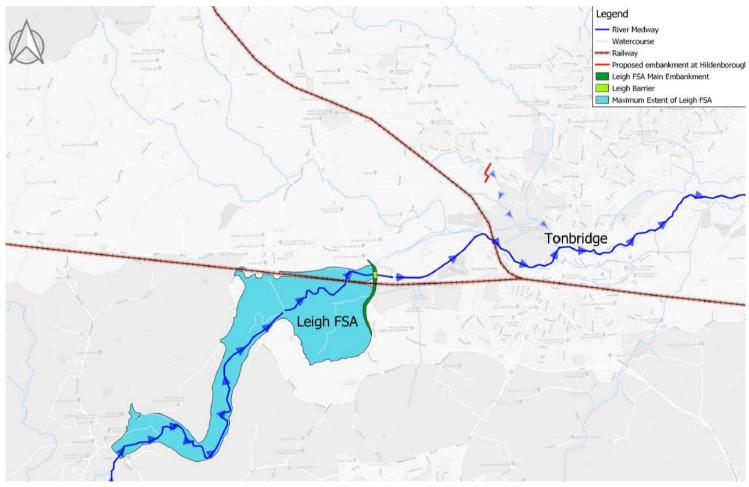




Leigh Expansion and Hildenborough Embankments Scheme (LEHES) James Kennedy – Project Executive



Project Location





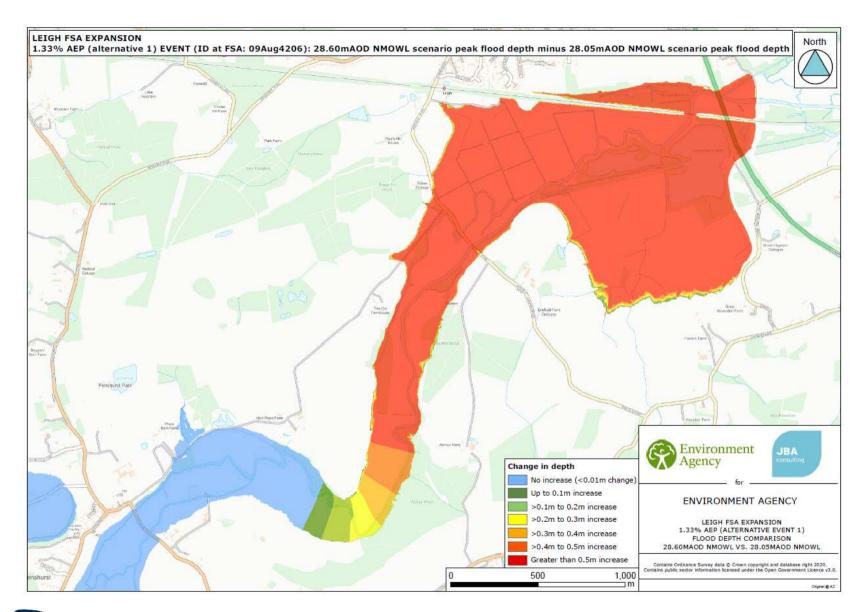


Leigh Flood Storage Area - Operation













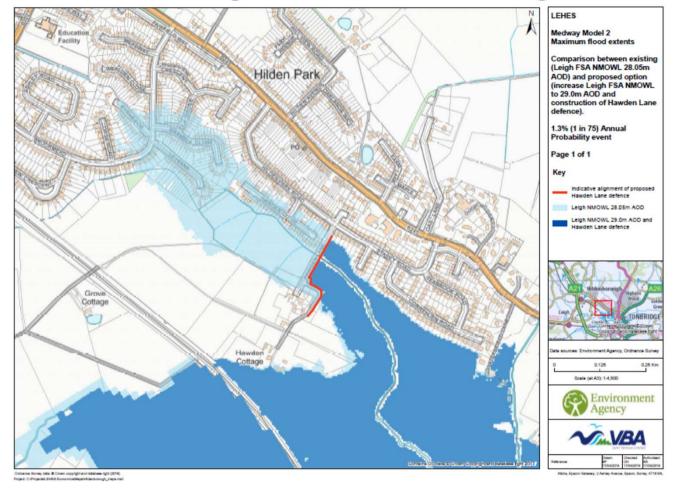
Hildenborough







Hildenborough Operating





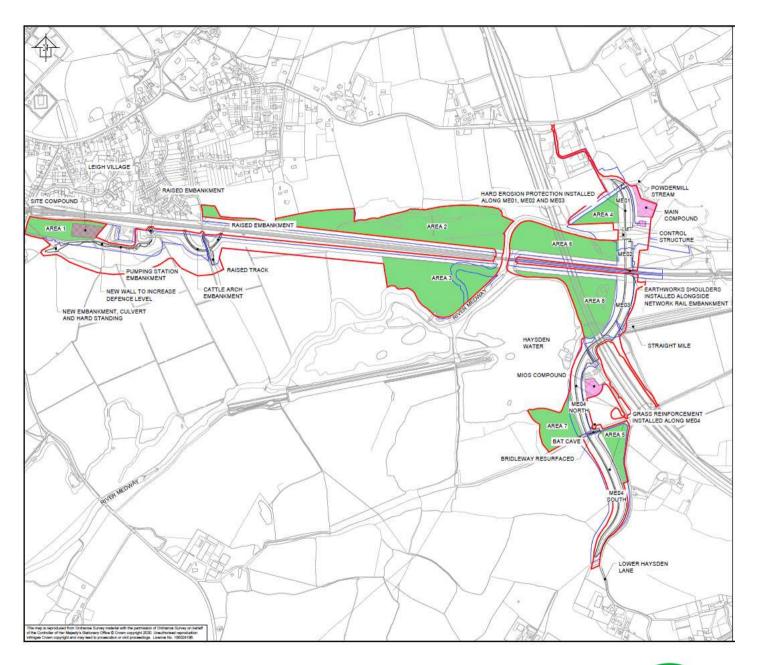


Visualisations







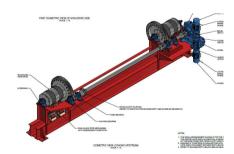






Project progress

- Planning application for main works validated 27th August
 - Decision date 17th December 2020
- Hildenborough separate application in Winter 2020
- Amendment to Medway Flood Relief (1976) Act submitted to Defra
 - 11 objections working towards responding to all of them
 - Likely there will be an inspector appointed for an enquiry
- Construction Q1 2021/22 Q3/4 2023/24
- Design of new gate drive system ongoing







Key project risks

- Stakeholders
 - Hildenborough alignment agreement
- Funding
 - Grant in Aid Allocation
 - Full Business Case approval
- Flood Relief Act amendment
 - Objections & enquiry, timescale and determination
- Planning
 - Objections
- Covid 19 related delays
- Flooding





Key messages

- Outcome Measures confirmed:
 - 1,570 properties and business better protected
 - Up to 657 Outcome Measure 2 (properties no longer flooding in 1.3% event)
- Flood storage level 28.05 to 28.60m (AOD)
 - Widespread benefits in Hildenborough
 - 24% increase in capacity (5.8million 7.3million cubic metres)
 - Minimal impact to residents and stakeholders
- Investment in resilience over the next two years
 - Security, powers, control systems, access & public safety





EA Investment Programme

Next Spending review Draft allocation principles

- Invest to achieve our ambition of a nation ready for, and resilient to, flooding and coastal change.
- Invest £5.2bn to better protect properties and infrastructure by 2026/27.
- Support our carbon and sustainability ambitions.
- Invest to achieve a wider range of outcomes
 - Benefit the economy.
 - Maintain our ability to warn and inform people and respond to incidents
 - Enhance the environment.
- Work in collaborative partnerships to deliver multiple benefits.
- Build and deliver balanced programmes.
- Provide appropriate funding towards statutory requirements and essential support services

