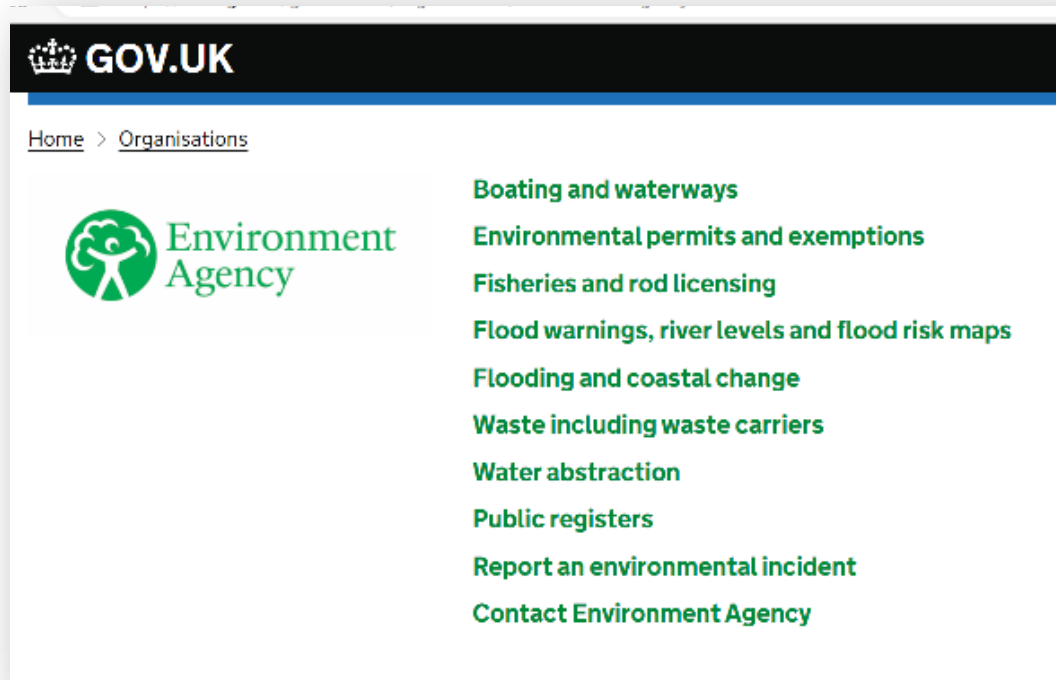


# Severn Stoke Flood Risk Management Scheme



# The Environment Agency

- We work to create better places for people and wildlife, and support sustainable development.
- EA is an executive non-departmental public body, sponsored by the Department for Environment, Food & Rural Affairs, supported by 1 public body.



# FCRM roles and responsibilities in England

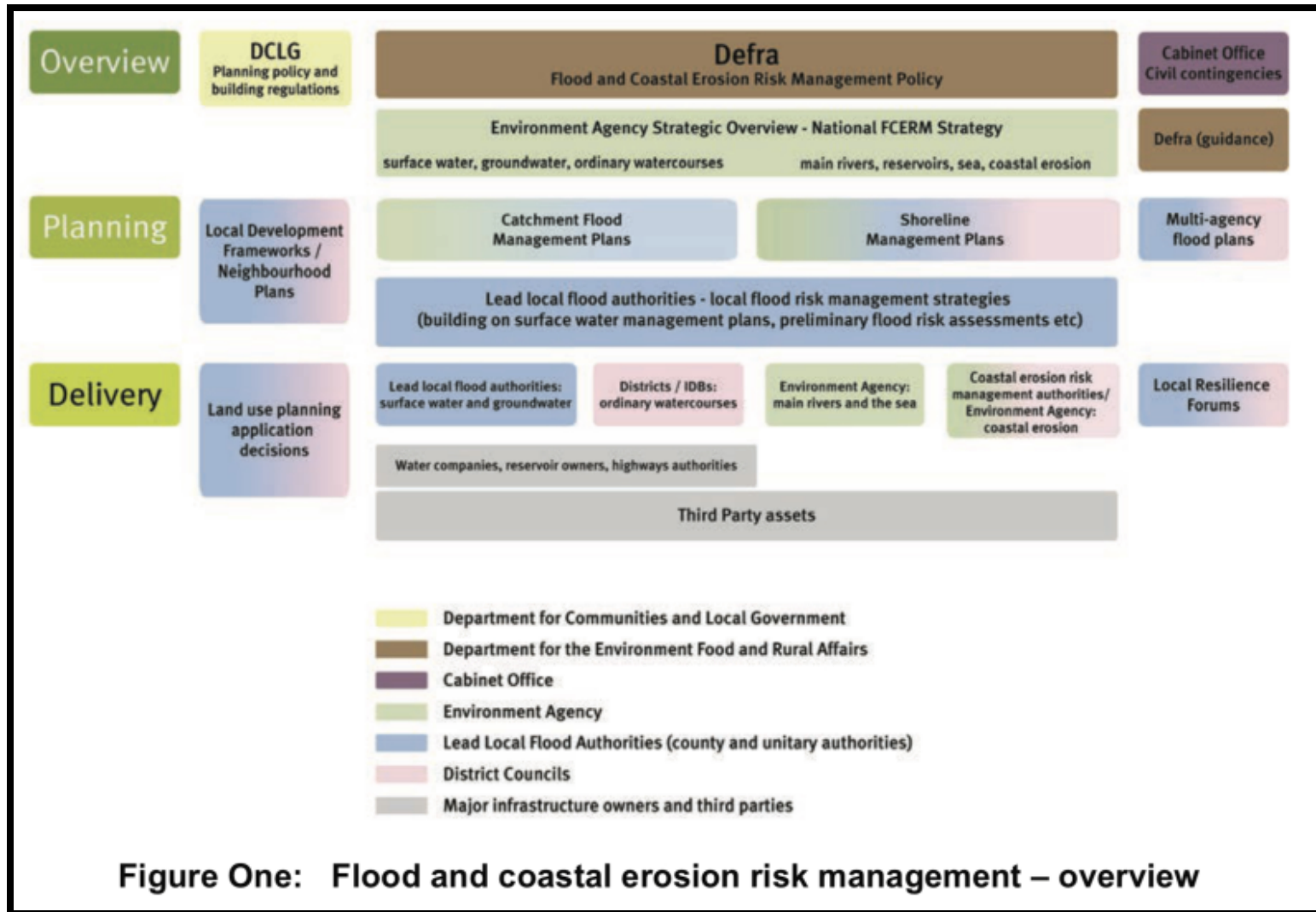


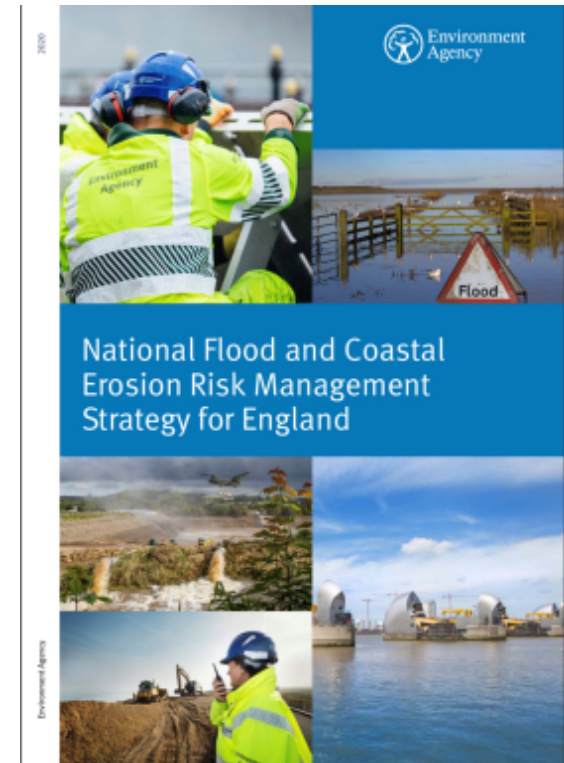
Figure One: Flood and coastal erosion risk management – overview

# Environment Agency's 2020 FCRM Strategy

**“A nation ready for, and resilient to, flooding and coastal change – today, tomorrow and to the year 2100”**

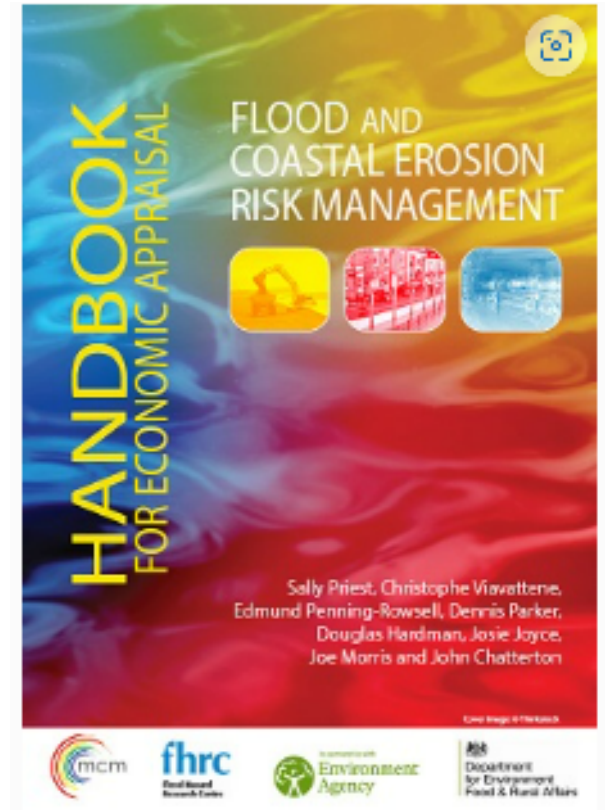
- **Climate resilient places:** working with partners to bolster resilience to flooding and coastal change across the nation, both now and in the face of climate change
- **Today's growth and infrastructure resilient in tomorrow's climate:** making the right investment and planning decisions to secure sustainable growth and environmental improvements, as well as infrastructure resilient to flooding and coastal change
- **A nation ready to respond and adapt to flooding and coastal change:** ensuring local people understand their risk to flooding and coastal change, and know their responsibilities and ***how to take action***

Available on [www.gov.uk](http://www.gov.uk)



# Justification for the development of a scheme

- Similar process for large or small projects – the process is set out by the HM Treasury and Defra
- We must demonstrate that the benefits are greater to UK Plc than the costs, same as HS2. A challenge for Severn Stoke
- We must produce three business cases in line with HM Treasury spending rules
- We must secure statutory permissions – planning permission, environmental permits etc, like any other ‘development’
- Average time for scheme delivery is 6 to 8 years



# Funding a scheme – partnership funding

- The EA has agreed a 6 year funding settlement with HM Treasury
- Funding allocations are based on the benefits that a scheme offers: the more benefits that a scheme can deliver then the more funding it is able to bid for
- Any funding gap has to be bridged by third party contributions
- Regardless of the contributions available, HM Treasury rules stipulate the EA can still only deliver a scheme with a Benefit Cost Ratio greater than 1

Everyone can read the rules on PF here: <https://www.gov.uk/guidance/partnership-funding-for-fcerm-projects>

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Official

## Calculate GiA funding for FCERM projects

External guidance: LIT 58360

Published: 19/06/2023

### Introduction

This guidance is based on Defra's [partnership funding policy statement \(2011\)](#), updated to take account of changes in June 2023. There may be more changes periodically in which case this guidance will be updated or withdrawn and replaced. The guidance continues with the principle that eligibility for flood and coastal risk management grant-in-aid funding (FCERM GiA) is based on projects achieving specific outcomes.

To find out how much FCERM GiA a project is eligible for risk management authorities (RMAs) use a spreadsheet known as the [partnership funding \(PF\) calculator](#). They include their expected contribution to specific benefits (outcome measures), their estimated costs and the amount of funding they intend to commit (their proposed financial contribution) within the spreadsheet. The PF calculator works out how much FCERM GiA may be available to support the project using the tariffs agreed with Defra for the updates to the partnership funding arrangements.

This document sets out guidance for using the PF calculator 2020 and updates previous guidance from 2022. It does not define performance or reporting measures related to FCERM GiA outcomes.

This guidance applies to all new projects after 1 June 2023. [Transition arrangements](#) apply during the financial year 2023 to 2024. All project teams can use this guidance when they need to make a financial change to their project.

### This guidance document

The guidance is for all risk management authorities (RMAs), project teams and assurers. Funding partners and communities vulnerable to flooding and coastal erosion should use it with the support of their local RMA. It is structured to match the 8 sections in the PF calculator 2020, to help make the calculator easier to complete. There is additional [supporting information](#) in section 9, with [examples to help complete the PF calculator](#) set out in section 10, including how to correctly value financial contributions and how to consider the duration of benefits period.

Reference: LIT 58360

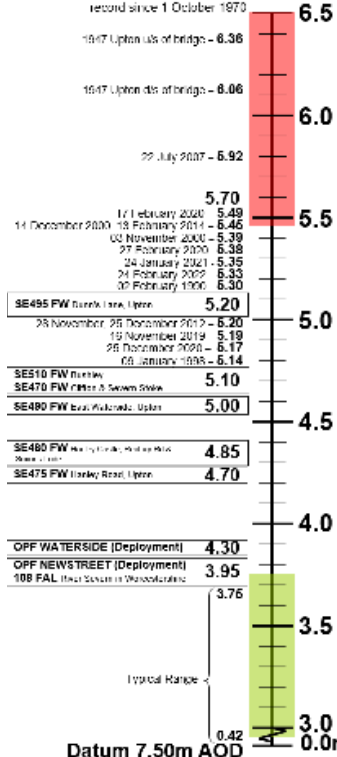
Version: 3.0

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# Scheme delivery history for Severn Stoke

## GAUGEBOARD DATA SIGNIFICANT LEVELS

record since 1 October 1970



## SAXONS LODGE

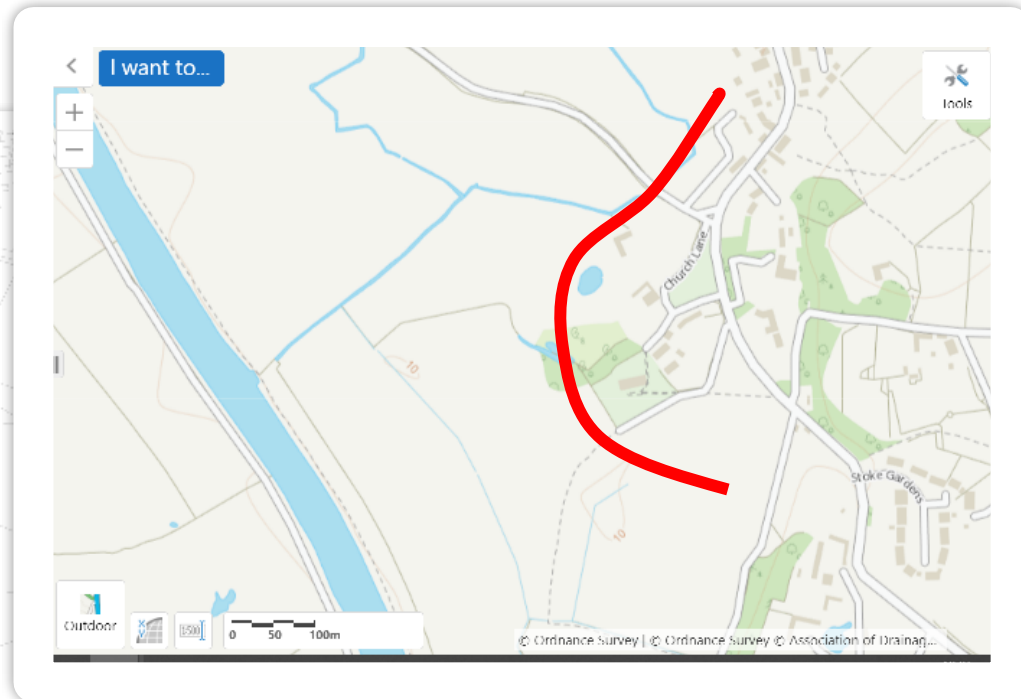
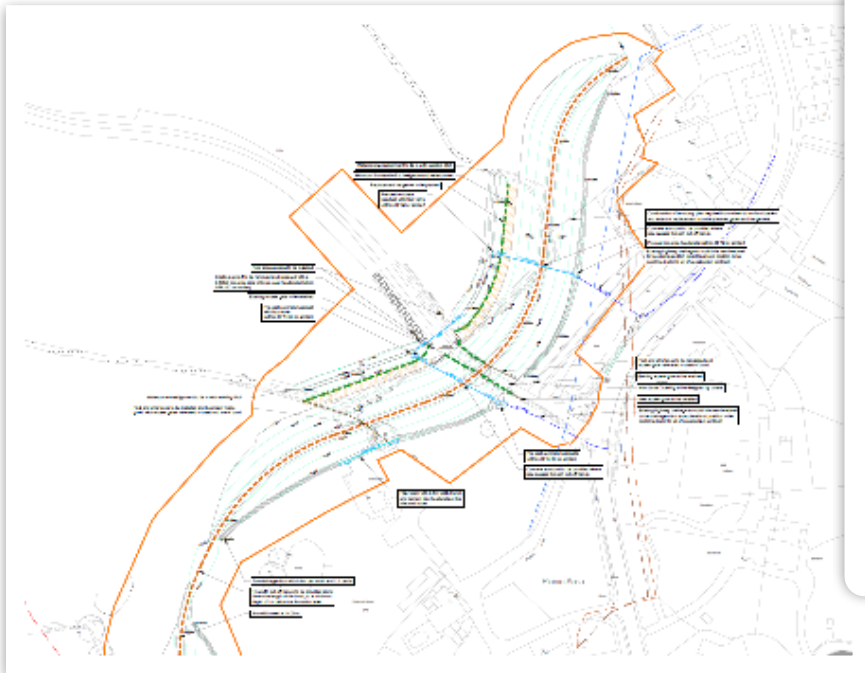
14 Severn, Malvern Hills District Council

Printed: 07/07/2023  
The levels shown on this gaugeboard are indicative only. They are based on historical records and represent the best information available.



# What does the Severn Stoke funding proposal look like?

- £2M scheme
- Contribution from J Prosser & Son is fundamental
- Variety of other sources of funding to fill the gap
- Working closely with Worcestershire County Council





# What has been done over the last couple of years?

- Strategic Outline Business Case production and approval
- Secured planning permission, including the discharge of 9 planning conditions
- Maximised the economic case within the rules
- Value engineering the scheme options to try and ensure a Benefit Cost Ratio greater than 1 – particular focus on Ham Lane where we have been considering flood gates, demountable barriers and road raising
- Have sought opportunities with the community – Prosser's contribution
- Outline Business Case production and approval
- Statutory permissions – Great Crested Newt License for example
- Full Business Case production and approval

# Where are we now?

- Around 9,000m<sup>3</sup> of material has been delivered to site.
- Further material will be delivered as construction starts



# Where are we now?

- Archaeology investigations are now substantially complete in line with the planning permissions



# Future work planned

- Great Crested Newt fencing to go in during the coming weeks in line with the Natural England license
- There will then be a period of Great Crested Newt trapping in line with the license – approximately 4-6 weeks' work
- Construction of the flood banks will start late summer

# Longer term programme

- Ambition is to complete earthworks up to either side of Ham Lane this year
- Import and stockpile material near Ham Lane over the winter for the highway section
- Deliver the road raising at Ham Lane spring/summer 2024 in partnership with Worcestershire County Council
- Final landscaping works summer/autumn 2024
- Will be issuing newsletters to the community approximately every 4 to 6 weeks

**We remain committed to delivering a scheme at Severn Stoke**



## Severn Stoke Flood Alleviation Scheme – June 2023

This update provides the latest information on the delivery of the Severn Stoke Flood Alleviation Scheme.

### Recent work

Over the winter we have been working with J Prosser's & Sons to import material for the embankment. We have imported two types of material. The majority of the imported material is to form the embankment. There is also material that has been brought to site to form temporary access routes for the main construction phase. All material is tested before it arrives on site to ensure that it is suitable and safe in compliance with our duties as the Environment Agency and the planning conditions.

Archaeological work started in February 2023. The first round of the archaeology progressed well with some finds but nothing major that will impact the scheme. Following a health and safety audit we had to pause the archaeological work on the 2nd of March 2023 while we reviewed the ways of working to create a safe environment for both the community and those working on the site.

We have now completed this review, and this will allow the archaeology and other activities to resume later this month.

### Upcoming work

The Environment Agency remains committed to completing the scheme. We must ensure that we get the best value within the limited budget we have to spend on the scheme, and we continue to work in partnership with Worcestershire County Council (WCC), Malvern Hills District Council (MHDC) and J Prosser and Son Ltd, making challenging decisions to ensure that the scheme remains viable.

Over the next couple of months, we have the following work planned:

- The archaeological work will restart from early June 2023 and is likely to take 4 to 6 weeks.
- At around the same time in June, Jackson Civil Engineering will start using the material currently stockpiled to continue the grading and earthworks. This is done so they can develop the appropriate construction methodology to place and compact it within the embankment in accordance with the design specification.
- Fencing of the whole site working area will be completed along with the installation of new fencing along the site boundary to exclude Green Treeed Noddy.
- Following the installation of the new fencing, an exercise to trap and relocate any noddy found in the working area will be undertaken. This is to ensure we comply with environmental legislation. Noddy trapping will take upwards of 30 days and will commence soon after we have received a licence to trap from Natural England, which we expect to receive in the next 4 to 6 weeks.
- In advance of construction of the flood embankment, construction of associated culverts, the drainage and drainage diversions will be undertaken. This will commence after new fencing, and trapping is complete.

customer service line 03708 506 506

incident hotline 0800 80 70 60

floodline 03459 88 11 88

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Any questions?