

## SRA Proposed Enhanced Programme 2021-22

SRA Reference	TITLE	SUMMARY OF ACTIVITY/WORKS	LOCATION	Completion Date	Workstream
FWMDCLM01-22	Hills to Levels – Land Management and NFM to Slow the Flow	Somerset Rivers Authority funds the biggest range of natural flood management (NFM) activities in the UK, as part of Hills to Levels. This work has so far won two national awards. There are six main elements to be delivered for the SRA by the Farming and Wildlife Advisory Group SouthWest (FWAG SW) and a further element to be delivered in partnership with Mendip District Council. •Design and implementation of 20 small-scale and natural flood management capital works to detain water in the upper catchment and reduce peak flows •Provide funding towards a larger capital scheme at Merriott, de-culverting a 300m stretch of the Merriott Stream just upstream from Merriott village. •Encourage better soil management techniques and cropping changes which will improve the infiltration of water and reduce run-off. •Respond to at least 40 highway flooding and Lead Local Flood Authority referrals where land management can help provide a solution. •Operate another reverse auction in the summer/autumn 2021 to deliver enhanced land management changes and engage more land managers with SRA messages. •Carry out modelling or monitoring at sub-catchment scale to demonstrate the effectiveness of the NFM measures that have already been installed or constructed. •In partnership with Mendip District Council deliver at least 4 holistic nature-based solution projects in prioritised sub-catchments in Mendip with known flooding issues. These projects will employ a range of NFM techniques including 'Stage Zero' where appropriate.	Across Somerset	Jun-23	W2
EA17	Dunball Sluice Refurbishment	A contribution to the Environment Agency's major scheme to repair and refurbish Dunball Sluice to help to keep it working well for several more years. The works will include: •The repair of potential defects in the vertical gates and sheet piled walls. Review and refurbish the deterioration of the concrete elements of the sluice. •Investigate and repair the leakages of the side flow culvert on the north side. •Investigate and repair the failure of seals on penstocks within the structure and defects to the steel top frame structure •Upgrade elements of the penstock lifting gear and investigate issues with counterweights/counterweight baskets •Review the operational issues with silt management around the structure and issues with wind-blown sand reaching mechanical components and the functionality of control panel •Review the lack of eel passage	Sedgemoor	Jun-22	W1a
LASWT01	Dulverton Leat and Weir Flood Alleviation Project; Phase One	To provide funding towards a feasibility study (Phase One) of the Dulverton Leat and Weir restoration and upgrade project being delivered by Somerset West and Taunton Council. The study will: •Review the cost plan and draft drawings that were carried out in Spring 2020 and undertake 'before and after' flood alleviation modelling based on these designs. •Undertake the required ecological surveys prior to Phase Two. •Seek planning and any other necessary approvals required for the works to be identified for Phase Two. The suggested flood alleviation works (Phase Two) below are dependent upon the findings from Phase One: •Carry out extensive work to the upper and lower weirs to reinforce the structure with more robust natural materials. •Undertake extensive repairs to the Leat floor/ bed and reinforce the structure •Clear all debris, vegetation, tree trunks and any foreign material from the Leat, walls and the immediate bankside and to consider the most practical and pragmatic way to reduce the volume of debris reaching the village. •Realign the banks where trees will be removed.	Somerset West and Taunton	Mar-22	W1a
LAMDC07	Beckington Drainage Works	To deliver the identified high priority works that came out of the Beckington Drainage Assessment previously funded by the SRA. The works will provide improved resilience to surface water flooding and include: •Culvert repair, enhancement and remediation works at Warminster Road •New trash screens with access for maintenance upstream of Goose Street. •Improvements in management and maintenance •Additional inspection manholes along Goose Street, Warminster Road, Frome Road and Castle Street •Improved access to upstream watercourses for routine maintenance •Carry out further CCTV surveys to assess condition of uninspected sections •Install natural flood management attenuation features upstream	Mendip	Sep-23	W4
LHA03-22	Across Somerset Enhanced Gully Emptying	Gullies in places most at risk of flooding across Somerset are cleansed once a year by Somerset County Council. Extra SRA funding means that approximately 20,000 gullies can be emptied twice a year. The aim is to help keep roads open in places highly susceptible to flooding, make them safer, preserve access for communities, and safeguard properties from flooding, all in line with the objectives of Somerset's 20 Year Flood Action Plan. This year gully-emptying is part of a five-pronged attack on highway flooding problems across Somerset, along with drain jetting, silt-trap emptying and trash screen clearance and the Hills to Levels system of highway referrals to reduce run-off from land onto roads. Together these works benefit residents, businesses and visitors.	Across Somerset	Sep-22	W4
LHA04-22	Across Somerset Enhanced Drain Jetting	Extra SRA-funded drain jetting targets places across Somerset at high risk of flooding. Drains are usually only jetted by Somerset County Council on a reactive basis: that is, once they have become blocked. Pro-active jetting is designed to stop drains from getting blocked in the first place, by removing silt and debris. The aim is to keep roads open during times of flood. Across Somerset Enhanced Drain Jetting is part of a five-pronged SRA attack on highway flooding problems, along with gully-emptying, silt-trap emptying, trash screen clearance and the Hills to Levels system of highway referrals to reduce run-off from land onto roads. Together these works help to keep roads open, make them safer, preserve access for communities, and safeguard properties from flooding. They reduce annoyance and inconvenience for residents, businesses and visitors.	Across Somerset	Sep-22	W4
LHA130	Enhanced Trash Screen Clearance in Somerset West and Taunton	Trash screens are cleansed reactively by Somerset County Council. The SRA funding will support an enhanced cleansing regime by mechanically cleansing 36 trash screens as part of a proactive annual programme in the Somerset West and Taunton Area. This SRA funded programme of trash screen clearance is designed to mitigate high risk areas and to alleviate localised highway flooding, with associated safety benefits to highway users. It will keep roads open, communities accessible and safeguard properties from flooding. Enhanced Trash screen clearance is part of a five-pronged SRA attack on highway flooding problems, along with gully-emptying, silt-trap emptying, drain jetting and the Hills to Levels system of highway referrals to reduce run-off from land onto roads. Together these works help to keep roads open, make them safer, preserve access for communities, and safeguard properties from flooding. They reduce annoyance and inconvenience for residents, businesses and visitors.	Somerset West and Taunton	Sep-22	W4
LASWT01	Apex Haven/Maple Drive Surface Water Management Study	SRA funding will enable Sedgemoor District Council to carry out a Surface Water Management study of the lakes at Apex & Haven Holiday Park, Maple Drive and the local sewer network. The study will determine the current level of flood protection and outline what improvements can be carried out to achieve a better flood protection and longer-term management solutions to future proof the system.	Sedgemoor	Mar-22	W3
FAPW501-22	Building Local Resilience	This is a continuation of previously funded Building Local Resilience actions. This funding would enable the SRA Community Engagement Team to continue to build local resilience by: •Raising awareness of what can be done by residents and communities through engagement activities and events, and by providing advice, information and support as and when needed •Working in partnership with other organisations seeking to build social capital and encourage preparedness in communities at risk, including participating in and jointly chairing the Somerset Prepared multi-agency partnership. •Supporting existing and emerging community groups such as local flood groups and flood networks including facilitating the delivery of training and assisting with the management of the small grants scheme for community resilience. •Investigating a mapping exercise to develop links between existing flood groups to encourage them to work together on a District / Catchment basis •Deliver a community film project with Somerset Film which will engage communities with water use and flood risk management using audio-visual material. •Building on previous engagement with small businesses. A survey or focus group will investigate what sectors are most vulnerable to flooding and identify how flood risk informs decision making in Somerset's businesses. •Facilitating the Climatewise insurance industry project to help identify case studies in Somerset looking at economic impacts of climate change and flooding. Climatewise is an international insurance industry initiative based at the University of Cambridge •Engaging with schools in at-risk areas. This activity will look at the unique nature and local challenges of the landscape in Somerset and provide a more locally specific approach than other school engagement programmes being delivered nationally or regionally. •Contributing time and expertise to other SRA projects within the Enhanced programme including Adapting the Levels and the Community Flood Information projects.	Across Somerset	Mar-23	W5
LHA122-22	Across Somerset Enhanced Silt-trap Emptying	Silt-traps are designed to reduce flood risks by collecting silt washed out from land near roads and preventing it from clogging up highway drainage systems. Somerset has around 80 silt-traps (not including cattle grids) at places known to be susceptible to flooding. Extra SRA funding enables Somerset County Council's Highways Department to carry out a programme of proactive cleansing, so that traps themselves do not get blocked up, but work as they should. Across Somerset Enhanced Silt-trap Emptying is part of a five-pronged SRA attack on highway flooding problems, along with drain jetting, gully-emptying, trash screen clearance and the Hills to Levels system of highway referrals to reduce run-off from land onto roads. Together these works help to keep roads open, make them safer, preserve access for communities, and safeguard properties from flooding. They reduce annoyance and inconvenience for residents, businesses and visitors.	Across Somerset	Mar-23	W4