Southern Water: West Sussex update

16 October 2024

from Southern Water

Agenda

- Welcome – George Eykyn
- Company update – John Penicud
- Wastewater – Groundwater Infiltration update – Alex Saunders, Andy Webb and Chris O'Grady
- Clean Rivers and Seas Task Force – Nick Mills
- Water – operational and capital delivery updates – John Maguire and Emmanuel Iwuamadi
- Water Resources Management Plan (WRMP) – Sam Underwood and Ken MacDonald
- Closing words

Company update

John Penicud, Managing Director for Wastewater

from Southern Water

Our Business Plan – 2025 to 2030

- In October 2023, we submitted our Business Plan to Ofwat for the period 2025-30.
- On the 11 July we received initial feedback from Ofwat, known as the Draft Determination
- We have now published our response, ahead of Ofwat's **Final Determination** in December 2024.
- Our plan is the company's largest ever – **c.£8 billion** to enhance the health and wellbeing of our communities, protect and improve the environment and help to sustain the local economy.
- More than **25,000 customers** spent over **8,000 hours** telling us what they think

WATER for LIFE from Southern Water

Draft Determination response

- After carefully reviewing Ofwat's Draft Determination, we don't believe it would secure the investment required to deliver change required
- In our response we've said that to secure the investment required, essential change is needed to its draft determination to make plans affordable, deliverable and financeable.
- We've spoken to thousands of customers to inform our proposals, to further understand their priorities
- Our revised plan will achieve this and includes additional investment
- These changes will deliver more environmental improvements in a shorter timescale

Sussex Environmental investment 2025–30

WATER for LIFE from Southern Water.

Total proposed environmental investment

£967 million*

Arun and Western Streams — £542m

- Nutrient reduction at 18 sites.
- Reducing spills in catchment by 54% by improving 29 overflows.
- 145km of river improved.

Cuckmere and Pevensey Levels — 81.5m

- Nutrient reduction at seven sites.
- Reduced use of storm overflows – 20% at 18 overflows
- Coastal resilience scheme . at Eastbourne.
- 55km river improved.

Rother — £119m

- Nutrient reduction at 20 sites.
- Reduced use of storm overflows – 36% at 21 overflows.
- 112km of river improved.

Adur and Ouse — £194m

- Nutrient reduction at 18 sites
- Reduced use of storm overflows – 34% at 34 overflows.
- Coastal resilience scheme near Brighton.
- 135km of river improved.

Hardham Water Supply Works — £30m

- More reliable supplies to 246,000 properties.
- Enhanced treatment.

* This is the proposed level of investment set out in our 2025–30 business plan, but is subject to change following Ofwat's Final Determination.

Wastewater – Groundwater Infiltration update

from
Southern
Water

Our role

- Southern Water is responsible for managing flows within its network, taking wastewater from customers' homes to Wastewater Pumping Stations (WPS).

- Across West Sussex, we have more than 500 WPSs, which then pump flows into nearby Wastewater Treatment Works (WTWs).

- There are a variety of sewer network flooding risks, and we work very hard to find and fix an issue before it arises, but some are out of our control.

- Risks include:
  - High groundwater levels / rainfall
  - Fat, oil and grease (FOG) / Unflushables entering our network
  - Illegal connections

A very wet winter

- Last winter we experienced extreme levels of rain and the ground in certain areas of Sussex became heavily saturated.

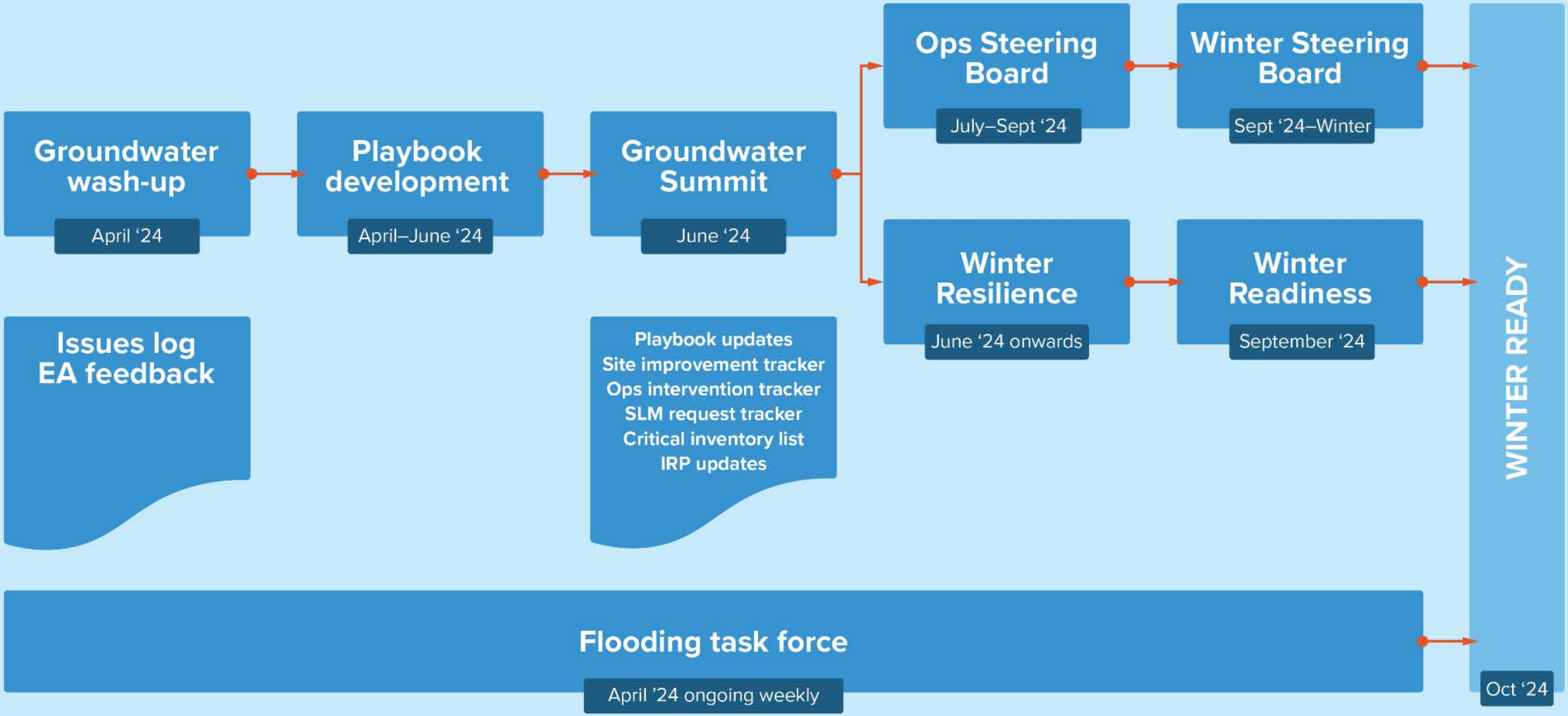
- The local drains and sewers were inundated with surface water run-off, which put significant pressure on our local WPSs. We experienced extreme levels of rain, which meant groundwater found its way into the sewer network.

- Areas that particularly suffered from groundwater infiltration were Barnham, Felpham, Lancing, Southwick, Shripney and Middleton-on-Sea.

Preparing for this winter

from
Southern
Water

Our approach



Improving our response this winter – operational

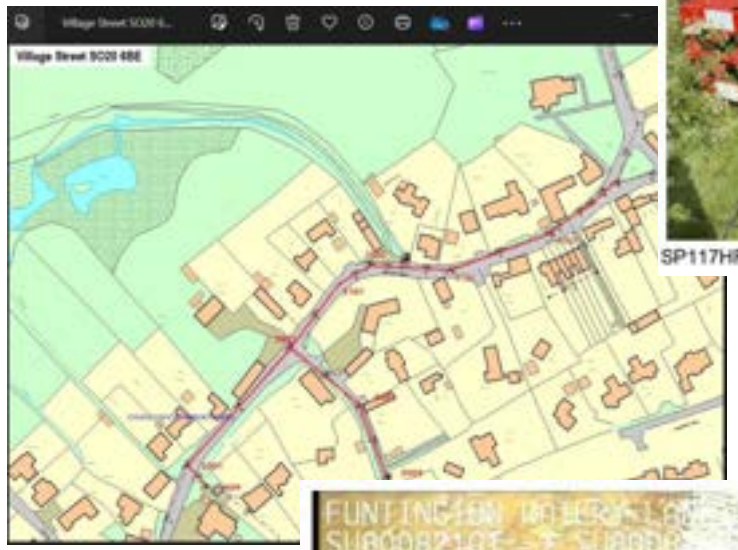
- Created Groundwater playbooks for different scenario, to ensure we are best prepared for potential issues

- Enhanced use of our Sewer Level Monitors (SLMs): Live monitoring of our catchments, so we can react quickly if we see sewer network levels rising

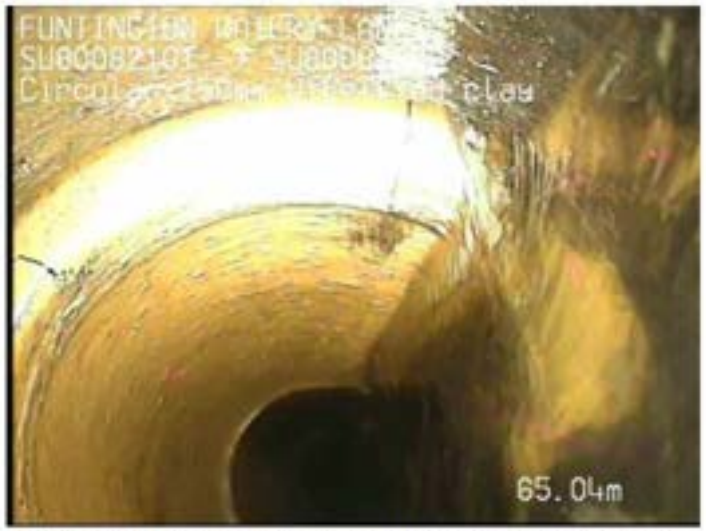
- 22 Wastewater Pumping Station winter readiness checks completed, to ensure they are working as they should. More than 20 wet well cleans have also taken place, and this work is ongoing.

- More than 800m of Infiltration CCTV surveys completed across Sussex.

- Pre-season jetting of our sewers in ‘hot spot’ locations, ensuring our sewer network is in the best possible condition before winter.



SP117HR MANHOLE 3400 CAMERA



SU80082101Y_736de3af-8988-4446-ba3d-e880cc677ac4_20240808_141000_206.jpg, 00:08:15, 65.04 m
Infiltration, gushing at joint at 3 o'clock

Extensive rehab and pathfinder activity West Sussex

Improving our response this winter – communication

- Spoke with customers on the ground to look at how we can reduce potential impact (tankering / generator locations etc)
- Improved customer communications with SMSs messages
- Improved transparency by using our Incident Map System, which customers can access to show areas where we have live groundwater issues
- Proactive stakeholder updates with elected members
- Weekly calls with the Environment Agency

How we're changing

Our future delivery model:

Southern Water

Lanes Group

Lanes Group plc

Key Services:

- Blockages
- Cleaning
- CCTV
- Patch Lining
- Gravity Sewer Tankering
- Smart Network SLMs
- Manholes – S81 & Customer led (Mainland)

Cappagh Browne

CAPPAGH BROWNE

Key Services:

- Dig down repairs
- Rising Main repair
- Low/No dig solutions
- Chamber & benching repairs
- Activity related flow management
- Manholes – S81 & Customer led (IoW)

McAllister

McALLISTER

Key Services:

- Full length lining
- Activity related flow management

WATER for LIFE from Southern Water

Making sure our Wastewater Treatment Works (WTW) are ready for winter

from
Southern
Water

Winter readiness – wastewater treatment

- To help with our groundwater infiltration response, we're also making sure our WTWs are also prepared for the winter months.

- Our winter readiness programme includes a 45-point check per site, to ensure we are resilient. Checks range from making sure our backup generators are working as they should in case of an emergency, to ensuring the site is gritted and staff are safe.

- Reviewing how we work with the Environment Agency and build on our work from last winter, pushing more flow through sites which have additional capacity beyond the flow to full treatment, to reduce storm spills and the impact of groundwater.

- We've also implemented storm outfall checks, following discharges. We are using machine learning and static models to generate tasks for our teams to check outfalls following genuine releases to the environment.

Goddards Green WTW

Wastewater Capital Delivery Investments – West Sussex

from Southern Water

Wastewater Capital Delivery Investments – West Sussex

During AMP7 (2020-2025) we've **invested £229m** so far which includes:

- **Network Projects;** Rising Mains (£15m), Growth (£12m)

- **Treatment Enhancement**; Additional Storm Storage (£5m), Increase Flow to Full Treatment (£6m) & Improved quality of treated wastewater, including Phosphorus removal (£99m)

£28m still to spend this AMP, largely relates to **Treatment Enhancement**, vast majority schemes now on site.

Key Projects: Goddards Green (£24m), Horsham (£31m), Pagham (£20m)

Wastewater Capital Delivery Investments – West Sussex

Photos

Horsted Keyners
FST Base Framework

Pagham
Construction of new installations

Scaynes Hill
Deep bed sand filter in commissioning

Wastewater Capital Delivery Investments – West Sussex

Top Ten Schemes

Project Name	Detailed Programme	Investment
Goddards Green Odour reduction	Goddards Green THP	24,296
Summer Lane, Pagham WTW	WINEP WFD Quality	19,970
Horsham WTW Growth	WTW Growth	19,341
Scaynes Hill WWTW	WINEP WFD Quality	15,258
Wencelling Rising Main	Rising Mains	13,889
Horsham WWTW	WINEP WFD Quality	12,240
Chichester Development Phase 2	Waste - Network Reinforcement	9,609
AMP6 Planed WTW Est Wortng Inle	Planned WTW capital maintenance	8,352
Billingshurst WTW -AMP6 Planned Works	WINEP AMP6 Carryover	7,270
Godstone WWTW	WINEP WFD Quality	5,345

Clean Rivers and Seas Task Force
West Sussex update

from
Southern
Water

Sealing and relining

Sealing public and private pipework to prevent groundwater squeezing through pipe joints

No dig solution

East Dean

Part of our Lavant WWTW network catchment

We hope to proceed to Charlton next and then continue to Singleton

1616m of private and public sewer sealed so far

Wetland to treat storm overflows constructed at Lavant

Funtington

Part of our Bosham WWTW network catchment

The total of sewer sealed so far 363m

We will continue to end of Jan 26, hope to seal

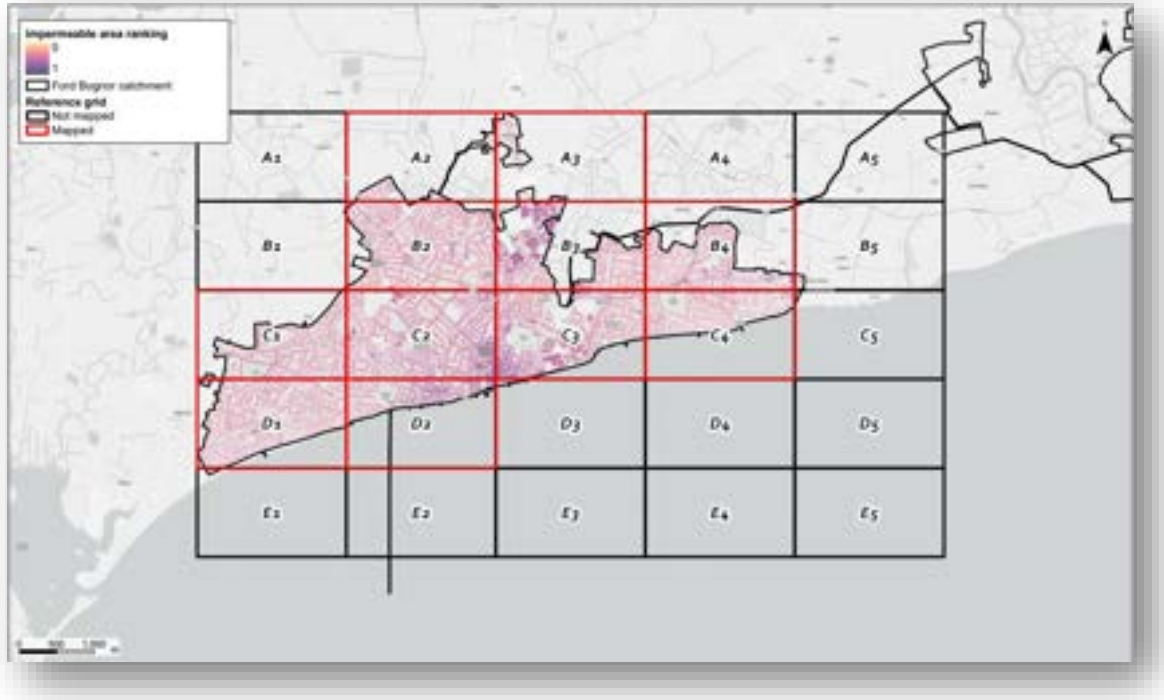
1620m of private and public sewer

See our video here:

WATER for LIFE from Southern Water

Highway SuDS Programme – West Sussex

- Approximately **30-50% of surface water** that enters the combined sewer network **comes from roads**.
- Working with West Sussex County Council to establish a **highways SuDS programme** – removing the equivalent of 44km of highways drainage from the combined sewer
- Held two workshops, with a third next month. Currently **focusing on Bognor** area due to our overlapping priorities (i.e. flooding incidents and regulatory targets)
- Next steps: partnership **delivery workshop in November**, identify pilot area(s) in Bognor



Water – operational update

from
Southern
Water

Leakage in Sussex

Total leak repairs 2022/23

	Sussex
Bursts	663
Customer leaks	256
Network leaks	7,576
Total	8,495

Total leak repairs 2023/24

	Sussex
Bursts	533
Customer leaks	1,201
Network leaks	7,241
Total	8,975

Total leak repairs Apr 24 to date

	Sussex
Bursts	213
Customer leaks	591
Network leaks	3,531
Total	4,335

Embracing innovation – water network

Water production – our sites in West Sussex

- 14 **Groundwater** sites in West Sussex – 12 operational, two undergoing enabling works
- 2 **Surface Water** sites:
  Hardham – fully operational and currently being upgraded
  Weirwood – full upgrade ongoing and will return to supply in Dec 2025, when first phase is completed
- Both upgrades will improve the operability and resilience of the sites and security of supply within the Sussex region
- Water compliance indicator **(CRI)** 0.26, against company ODI target of 2

Hardham WSW

Improving the resilience of Hardham WSW

- Hardham Water Supply Works is one of our four key strategic supply sites, supplying 248,000 people in the West Sussex and surrounding areas
- We are currently investing £12m this AMP (2020-25) to upgrade key assets, which will improve the resilience of the site to ensure we reduce the risk of customer disruption.
- 90% of DWI notices for this AMP have been completed, with the remaining 10% on track to be completed by the end of the financial year
- Key improvements completed this year include silt removal from the River Rother intake and major enabling works for the future poly dosing pump replacements
- Additional significant investment will be made in AMP8 (2025-30) to enhance the site further.

Hardham WSW

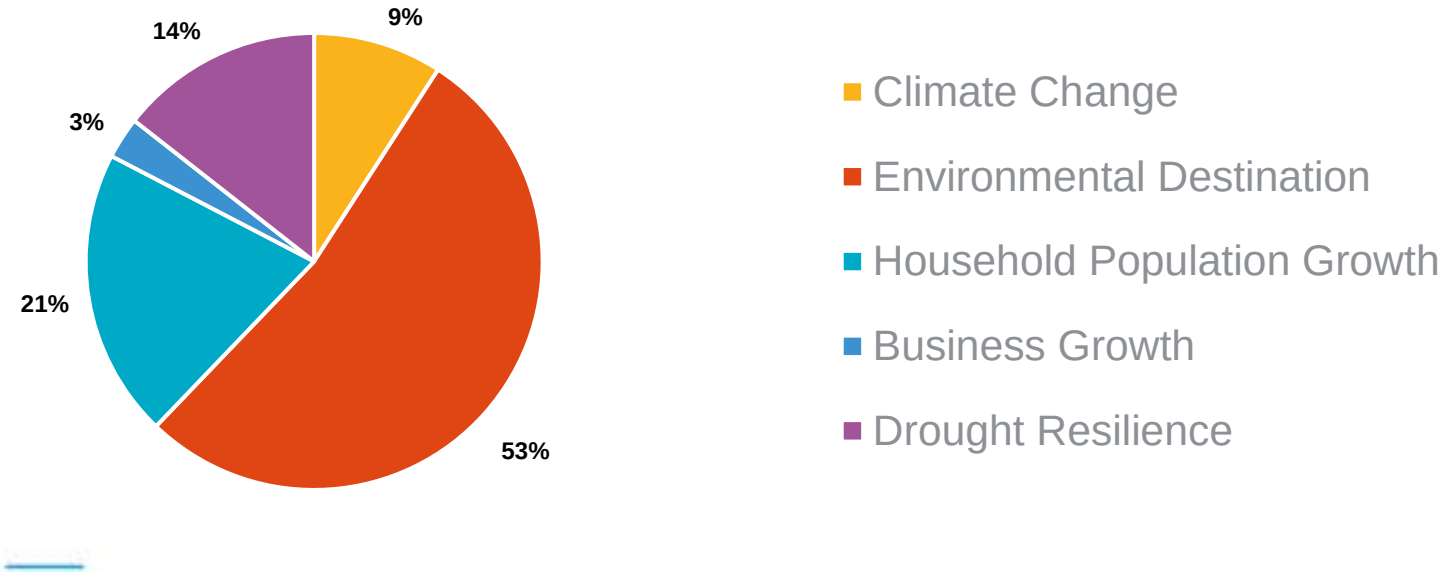
Water Resources Management Plan (WRMP)

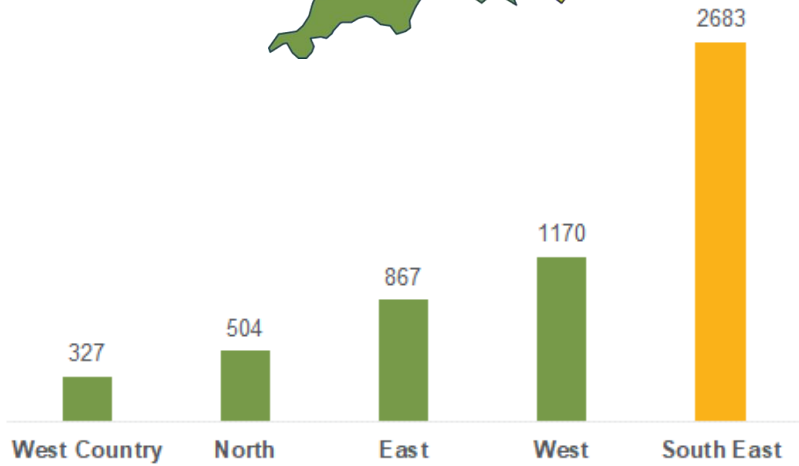
October 2024 update

from Southern Water

The South East of England is seriously water-stressed

- The Environment Agency has identified that by 2050, almost 5 billion extra litres of water will be required every day, to maintain public water supplies in England.
- More than half that need is in the South East.
- The main driver in the South East is what the EA defines as “Environmental Destination” which means improving and enhancing the natural world.





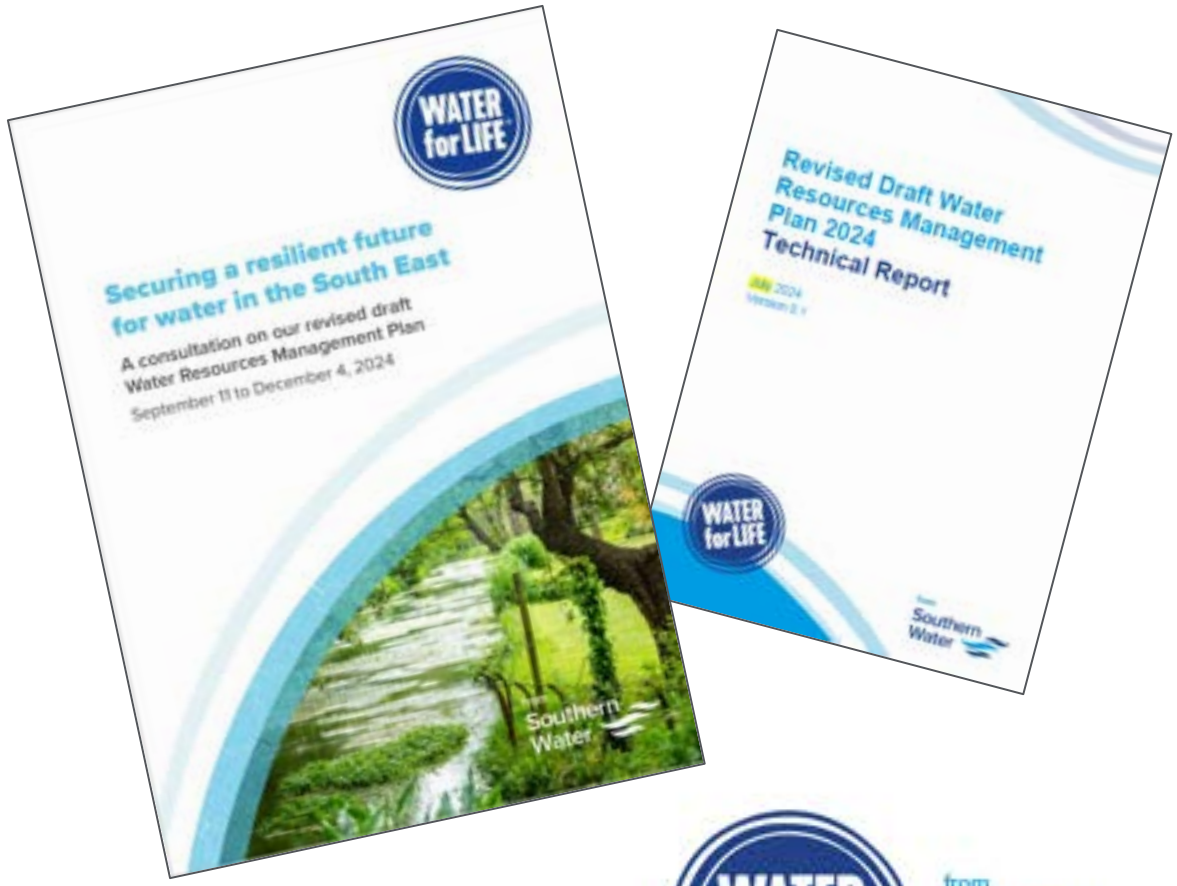
WATER for LIFE

from Southern Water

Water Resources Management Plan (WRMP)

Consultation 11 September to 4 December 2024

- What is the WRMP?
- Why are we consulting on it?
- Where can you find it?
- How to provide feedback



Visit www.waterresources.southernwater.co.uk

WATER for LIFE from Southern Water

West Sussex water strategy 2025-35

Key

- Less than five million litres of water each day.
- Between five and 50 million litres of water each day.
- More than 50 million litres of water each day.
- Reduce demand for water
- Drought action
- New sources of water and transfers
- Catchment or nature-based scheme

West Sussex and Brighton and Hove

11. Reduce leaks
12. Help customers use less water
13. Recycle water from our Littlehampton wastewater treatment works and transfer it via the River Rother to our water supply works near Pulborough
14. Apply for a drought permit or order on the River Rother to continue abstracting water during dry weather until 2029-30 and after that only in droughts more severe than 1-in-200 year likelihood
15. Catchment schemes to address nitrates and pesticides and improve the resilience of our water sources
16. Import up to 4 million litres per day from SES Water to north Sussex –
17. Deliver upgrades to Weir Wood Water Supply Works
18. Groundwater improvement schemes in West Sussex and a groundwater scheme in Brighton to provide more water
19. Develop a groundwater source near Petworth

WATER for LIFE from Southern Water

West Sussex water strategy 2035-50

West Sussex and Brighton and Hove

9. Reduce leaks ●●
10. Help customers use less water ●●
11. Stop the use of all permits and orders to source more water during droughts after 2040-41 unless faced with a drought of more than 1-in-500 year severity
12. Build a new reservoir in Sussex to store water from the River Adur ●●
13. Catchment schemes to address nitrates and pesticides and improve the resilience of our water sources
14. Import water from Havant Thicket Reservoir in Hampshire to Pulborough ●●
15. Import water from South East Water to Pulborough ●●
16. Build pipelines to extend our grid to transfer water between Pulborough and Worthing and between Worthing and Brighton ●●●
17. Build a desalinaton plant on the tidal River Arun ●●

Key

- ● Less than five million litres of water each day.
- ●● Between five and 50 million litres of water each day.
- ●●● More than 50 million litres of water each day.
- Reduce demand for water
- Drought action
- New sources of water and transfers
- Catchment or nature-based scheme

WATER for LIFE from Southern Water

West Sussex water strategy 2050-75

Key

- Less than five million litres of water each day.
- Between five and 50 million litres of water each day.
- More than 50 million litres of water each day.
- Reduce demand for water
- Drought action
- New sources of water and transfers
- Catchment or nature-based scheme

West Sussex and Brighton and Hove

4. Reduce leaks
5. Help customers to maintain a sustainable level of water use
6. Recycle water near Horsham and transfer it through a new pipeline to an existing reservoir near Pulborough before it is treated and supplied to customers
7. Ongoing work to use catchment management and nature-based solutions to improve the environment
8. Import water from South East Water to Brighton

WATER for LIFE from Southern Water

from Southern Water.

Our consultation on securing a resilient water future for the South East

Have your say on our revised draft Water Resources Management Plan before Wednesday 4 December 2024.

Please encourage your local communities to take part....

We'd love to hear from you!

Visit waterresources.southernwater.co.uk

from Southern Water

AOB

from
Southern
Water

Appendix

from
Southern
Water

Community Centre Grants

from
Southern
Water

Community Centre Grants - West Sussex

- As part of our programme to support making the community stronger, our Community Centre Grant is back for a third year.

- This year we're providing over 30 grants of £1,000 each and five will be awarded in West Sussex.

- These grants have directly alleviated the burden of rising energy and operational costs, ensuring that vital services continue to be accessible to the local community.

- Previous Community Centre grants have been awarded to:

Chichester Community Development Trust	Bognor Regis Youth & Community Centre
Horsham Matters	Angmering Community Centre Association
Fishbourne Playing Field Assocation	Bentswood Hub C.I.C
St Johns Church Crawley - The Bridge Cafe	Ashenground Community Centre
Eastergate Village Hall	

Apply now

Applications opened on 1 October and close on 31 October 2024 at 5pm.

"This funding means that we can run as a warm space for our community through these colder months without worrying about how we are going to pay the ever-rising utilities. Our community centre is like a second home for some of our users, where the kettle is always on and the conversation is always flowing, thank you so much!"

Anna - Bentswood Hub

WATER for LIFE from Southern Water

Business Partnership Fund

from
Southern
Water

Business Partnership Fund goes live

- The third round of our popular Business Partnership Fund is now open.
- We’re on the look-out for new and innovative ideas to help reduce water use in businesses across our region.
- Ideas include harvesting rain or shower water, fitting flow restrictors on taps or harnessing new technology to save water.
- The fund is open to all retailers, businesses and third-party conservation providers.
- More details: Business Partnership Fund – Southern Water

Apply now

Applications close on 31 December 2024.

WATER for LIFE from Southern Water

Future Growth and Developer Services

Working with planners and developers to enable a water resilient future

from Southern Water

Our Delivery Teams

1

Future Growth Team

- ✓ Local plan consultations
- ✓ Neighbourhood plan consultations
- ✓ Planning application referrals

2

Developer Services

- ✓ Sewer & Water main diversions/requisition/' build over' applications
- ✓ Sewer & Water main connection applications

3

Asset Strategy & Planning

- ✓ Plan infrastructure growth schemes as required

4

Capital Delivery

- ✓ Deliver capital schemes, from diversions, connection & requisitions, to larger infrastructure growth schemes

Sustainable Development

Future Growth Team - Introduction

- We are a Statutory Consultee on Local and Neighbourhood Plans (5–20-year plans) & a Non-Statutory Consultee on individual Planning Applications (2–5-year plans)
- For Local Plans we seek to influence **policy provisions** that mitigate the impact of the proposed housing allocations on the operation of our infrastructure, promotes water efficiency & protects water quality
- For Planning Applications, should there be insufficient capacity to serve the development, we will request **planning conditions** to allow for the occupancy of the development to be **phased** in line with the upgrade to our infrastructure
- This is required as we have limited powers to prevent connections to our network, even when capacity is limited; for example, under Section 106 of the Water Industry Act, developers have a right to connect foul drainage on 21 days' notice

Developer Services - Introduction

- We administer developer applications for water & wastewater connections, diversions, requisitions and ‘build overs’ within regulatory levels of service Water UK Developer Services
- The above provides the *quantitative* measure for the Developer Measure of Experience (DMEX) alongside quarterly developer questionnaires, which provide the *qualitative* measure; these measures are combined to provide a **DMEX score -** Customer and developer services experience – Ofwat,
- The DMEX score determines our position on the Ofwat DMEX table, which in turn determines the associated financial rewards or penalties for water companies
- We also provide technical approval & guidance for developer plans; this is supported by industry & national technical standards
- Aswell as, receiving revenue from developers through application fees, including the developer infrastructure charge, which is utilised for capital growth schemes where required

Our Policy Statement on Sustainable Development

We have the following expectations for developers when building new homes and commercial buildings:

Water efficiency – designs for developments must meet 100 litres per person per day.

Water efficiency labelling – water consumptive appliances fitted by developers will use water efficiency labelling.

Water neutrality – developments in Sussex North must demonstrate Water Neutrality for any new development with designs meeting 85 litres per person per day.

Smart metering – Our programme to roll out smart metering for new and existing connections is in development.

Sewer connections – Connections from new developments to Foul or Combined Sewers for surface water runoff will not be accepted unless all options to separate surface water have been applied.

Sustainable drainage – Designs must include features to slow the flow of surface water runoff as close to the source as possible, for example, green roofs, permeable paving, rain gardens and water butts.

Water recycling – incorporate rainwater capture and grey water recycling systems into designs, linking it to blue-green infrastructure and joining or establishing partnerships where practical to eliminate rainwater from drains.

Nutrient Neutrality – developments in the Stodmarsh area in Kent and parts of South Hampshire and Chichester new developments are required to demonstrate Nutrient Neutrality.

Water Offsetting – where opportunities to offset water consumption are available these will be adopted as a planning gain principle.

These expectations contribute to our transformational programmes:

- Target 100
- Sustainable Drainage
- Catchment First
- Network 2030

WATER for LIFE from Southern Water

Sustainable Development - Industry Updates

- **Surface Water**: Sustainable drainage systems are currently optional, however the proposed inclusion of Schedule 3 to the Flood and Water Management Act 2010 will make it mandatory to install sustainable drainage to manage surface water on a new development (*this has been delayed due to the general election*) New approach to sustainable drainage set to reduce flood risk and clean up rivers - GOV.UK (www.gov.uk)
- **Government's Environmental Improvement Plan 2023:** Working with the Future Homes Hub and other stakeholders, Government have developed a roadmap on water efficiency in new developments and retrofits, proposing 10 actions over the next decade Environmental Improvement Plan 2023 - GOV.UK (www.gov.uk)
- **Building Regs Water Efficiency Review – Feb 2024:** Report commissioned by Water Wise and delivered by Welsh Water & Water Resource Centre, found the need to address deeper concerns related to enforcement and compliance of building regulations Building Regulations Water Efficiency Review – Database WW (waterwise.org.uk)

Wastewater Asset Strategy and Planning

from
Southern
Water

Catchment Resilience

from
Southern
Water

There are four key themes encompassing our delivery plans

The Challenges

Climate Change

Population Growth

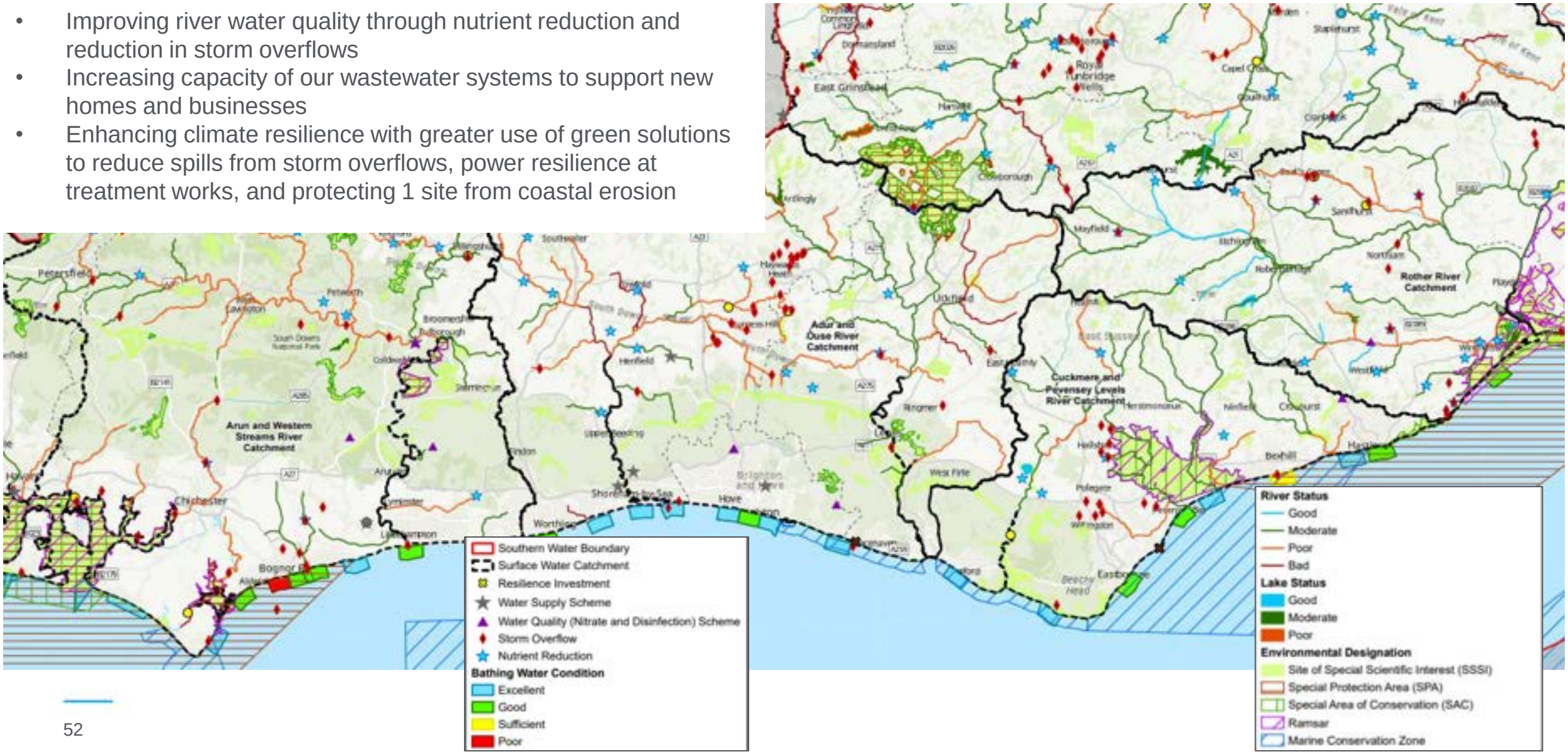
Environmental Capacity & Resilience

Affordability

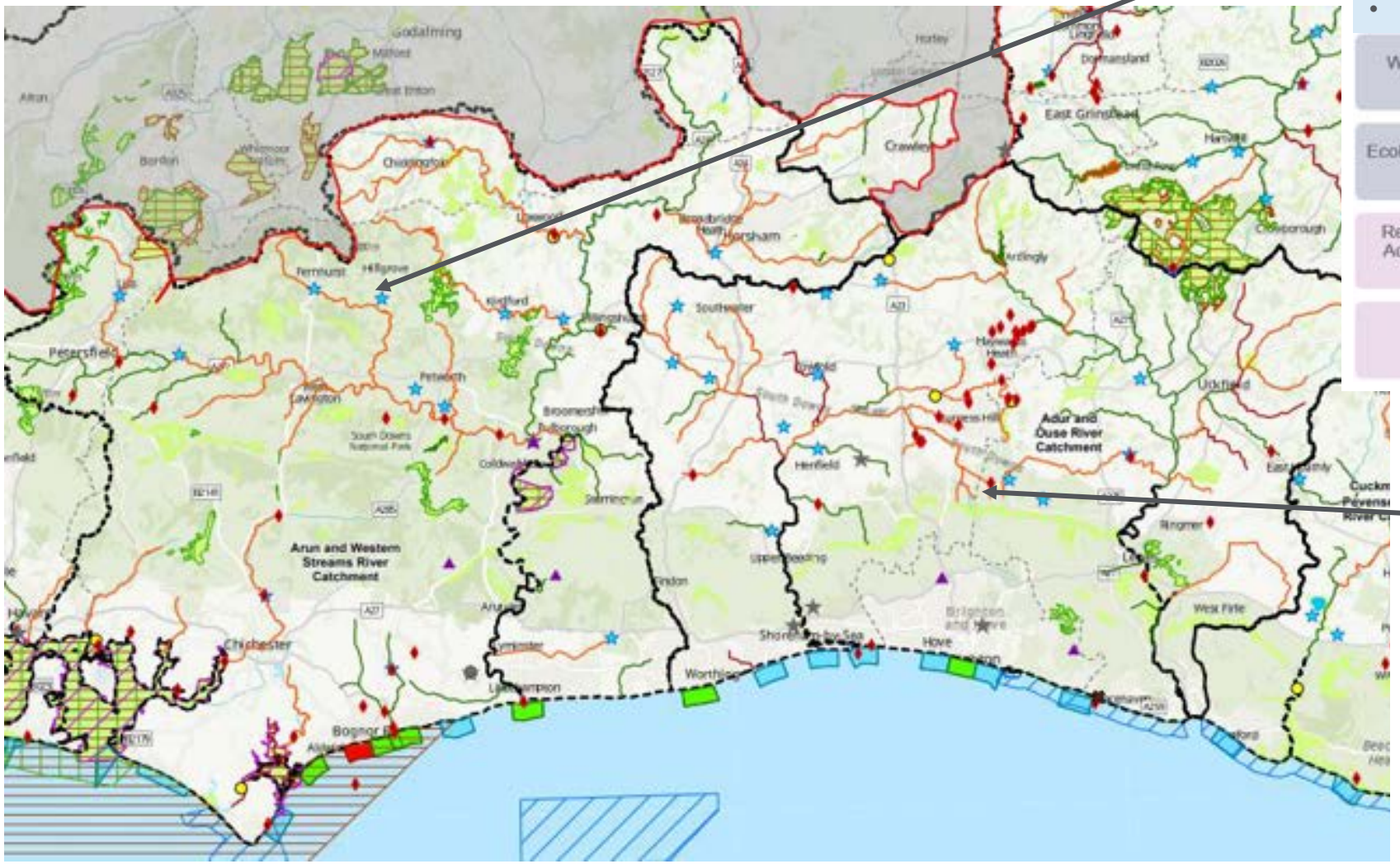
Network flow management to reduce flooding and spills	• **Surface water separation** and **sustainable drainage systems** to keep rainwater out of sewers and prevent spills from storm overflows • Build **storage tanks** where other methods do not deliver. • **Smart networks** - sewer level monitors with artificial intelligence • Increasing **sewer capacity** for new homes and businesses
Recycling wastewater and nutrient removal	• Enhancing wastewater treatment to remove **nutrients and chemicals** • Increasing **wastewater treatment** capacity for new homes and businesses • Additional **UV treatment** to improve water quality for shellfish waters
Asset health and resilience	• Enhanced **maintenance programmes** to improve resilience • Improving **resilience** to power outages, increasing heat and flood risks • **Partnership working** to address coastal erosion • Enhanced **sewer sealing** to improve resilience to high groundwater
Bioresources	• Consolidate treatment sites and move to **Advanced Digestion** technology • Increased biogas production and **renewable energy** • Explore **Advanced Thermal conversion** technology

Sussex environmental schemes – key areas of focus

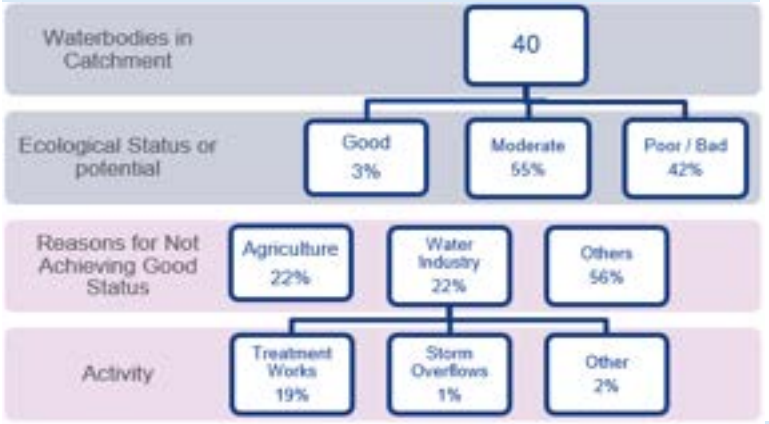
- Improving river water quality through nutrient reduction and reduction in storm overflows
- Increasing capacity of our wastewater systems to support new homes and businesses
- Enhancing climate resilience with greater use of green solutions to reduce spills from storm overflows, power resilience at treatment works, and protecting 1 site from coastal erosion



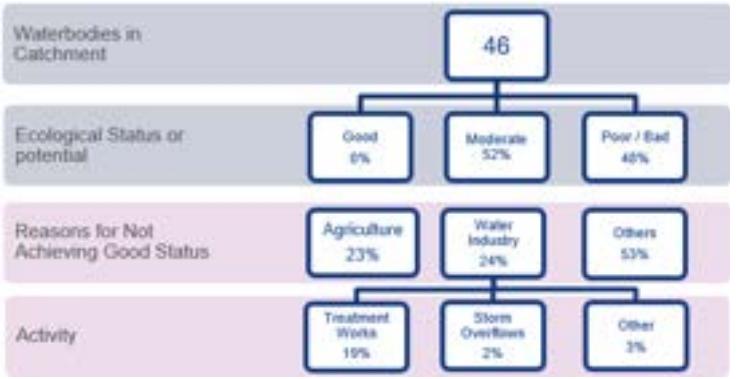
Sussex enhancements
(slide 1 of 2)



Arun & Western Streams
- Nutrient reduction at 13 sites
- Storm overflows at 28 sites
- 5 growth sites
- Length of river improved 145km
- 54% reduction in storm overflow discharges
- Total environmental investment £330m

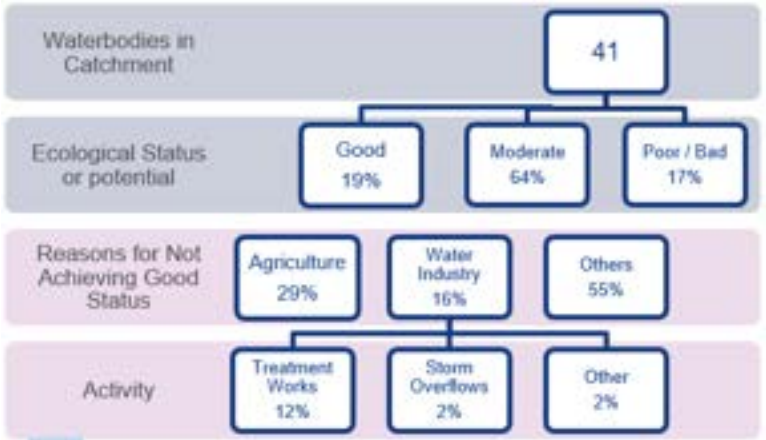


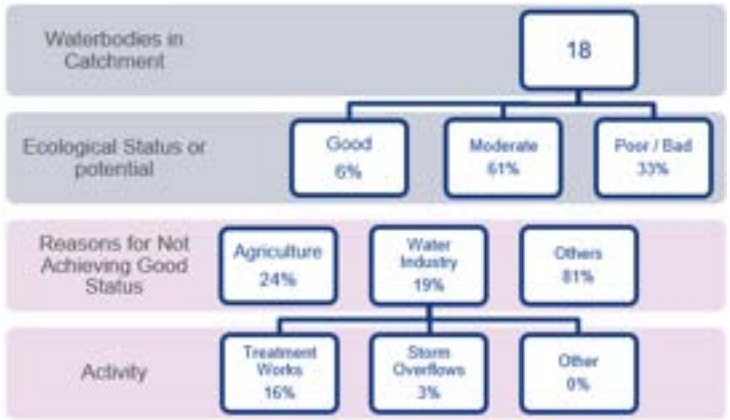
Adur & Ouse
- Nutrient reduction at 13 sites
- Storm overflows at 34 sites
- 3 growth sites
- 1 coastal resilience scheme
- Length of river improved 135km
- 34% reduction in storm overflow discharges
- Total environmental investment £260m

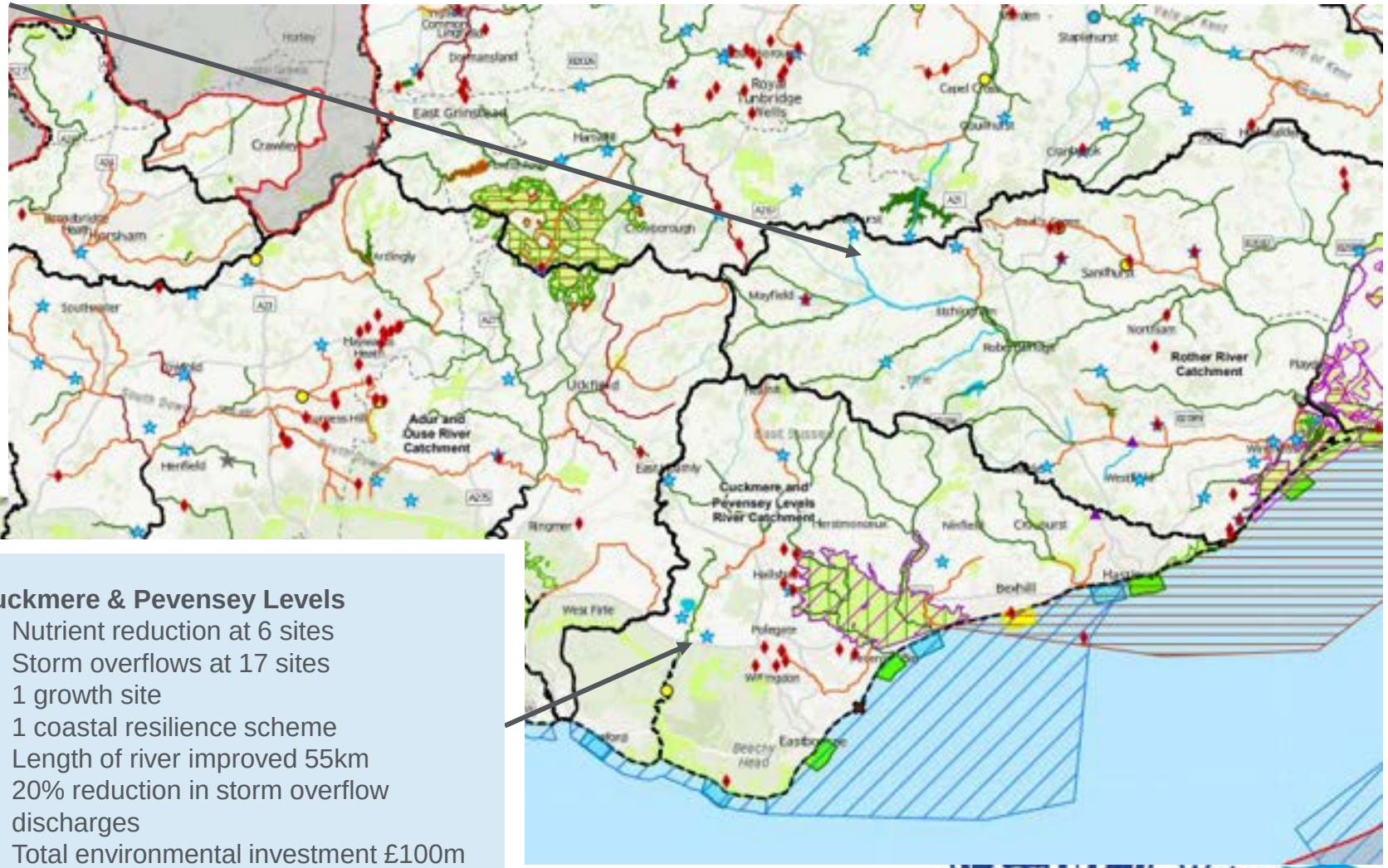


Sussex enhancements
(slide 2 of 2)

Rother
- Nutrient reduction at 18 sites
- Storm overflows at 11 sites
- 4 growth sites
- Power resilience at 2 site
- Length of river improved 112km
- 36% reduction in storm overflow discharges
- Total environmental investment £130m







Cuckmere & Pevensey Levels
- Nutrient reduction at 6 sites
- Storm overflows at 17 sites
- 1 growth site
- 1 coastal resilience scheme
- Length of river improved 55km
- 20% reduction in storm overflow discharges
- Total environmental investment £100m

Nature-based solutions as a first choice

- Defra principle: "Rainwater should be discharged back to the environment as close as possible to where it lands or channelled to a close watercourse without first mixing it with sewage"

How:

- Separating and "slowing the flow" at source where the rain falls
- Reducing groundwater infiltration into sewers

Approach:

- Catchment and nature-based solutions
- Wetlands, swales, ponds
- Rainwater capture and harvesting
- Green roofs, planters, water butts

Lavant WTW wetland: using nature to prevent harm from discharges from the storm overflow

Current Growth Process

We are notified that planning permission has been granted or receive a local plan for future developments.

We are not statutory consultees and can only comment on applications.

A preliminary capacity check completed.

Yes

A connection point is agreed and the development can connect with no conditions

No

A detailed detriment analysis to give a better view on network capacity

Yes

No

The Site is Tracked and prioritised for reinforcement

Prioritising Growth

How:

1. Development size and expected build out.
2. Developments impact on existing issues
3. Spread of growth and potential 'Hot Spots'
4. Working alongside Councils and Developers to understand when large strategic developments will start.
5. Having a Local Plan is key to having well informed network growth schemes

Approach:

1. Reduce Surface water inundation & Ground water infiltration
2. Remove existing rainwater connections and facilitate the building of surface water drainage systems to local environment
3. Removal of system pinch points that cause hydraulic issues
4. Increase storage within the system
5. Upsize sewers

Catchment Resilience

- Protecting the environment by ensuring abstractions are sustainable and enhancing biodiversity
- Protecting water quality and the environment by working with stakeholders including agriculture
- Safeguarding our drinking water supplies by making our catchments more resilient
- Working with Catchment Partnerships

Catchment Resilience

from
Southern
Water

Catchment Resilience

- Protecting the environment by ensuring abstractions are sustainable and enhancing biodiversity
- Protecting water quality and the environment by working with stakeholders including agriculture
- Safeguarding our drinking water supplies by making our catchments more resilient
- Working with Catchment Partnerships

Our priority water areas

Hampshire groundwater Nitrate

Sustainable abstraction and chalk stream

Kent groundwater Nitrate, pesticides and PFAS

Sustainable abstraction

Isle of Wight turbidity and nutrients

Sustainable abstraction and chalk stream

West Sussex groundwater Nitrate, sediment, pesticides and PFAS

Sustainable abstraction Arun & Rother

East Sussex groundwater Nitrate

Sustainable abstraction

WATER for LIFE

from Southern Water

West Sussex

Water Quality

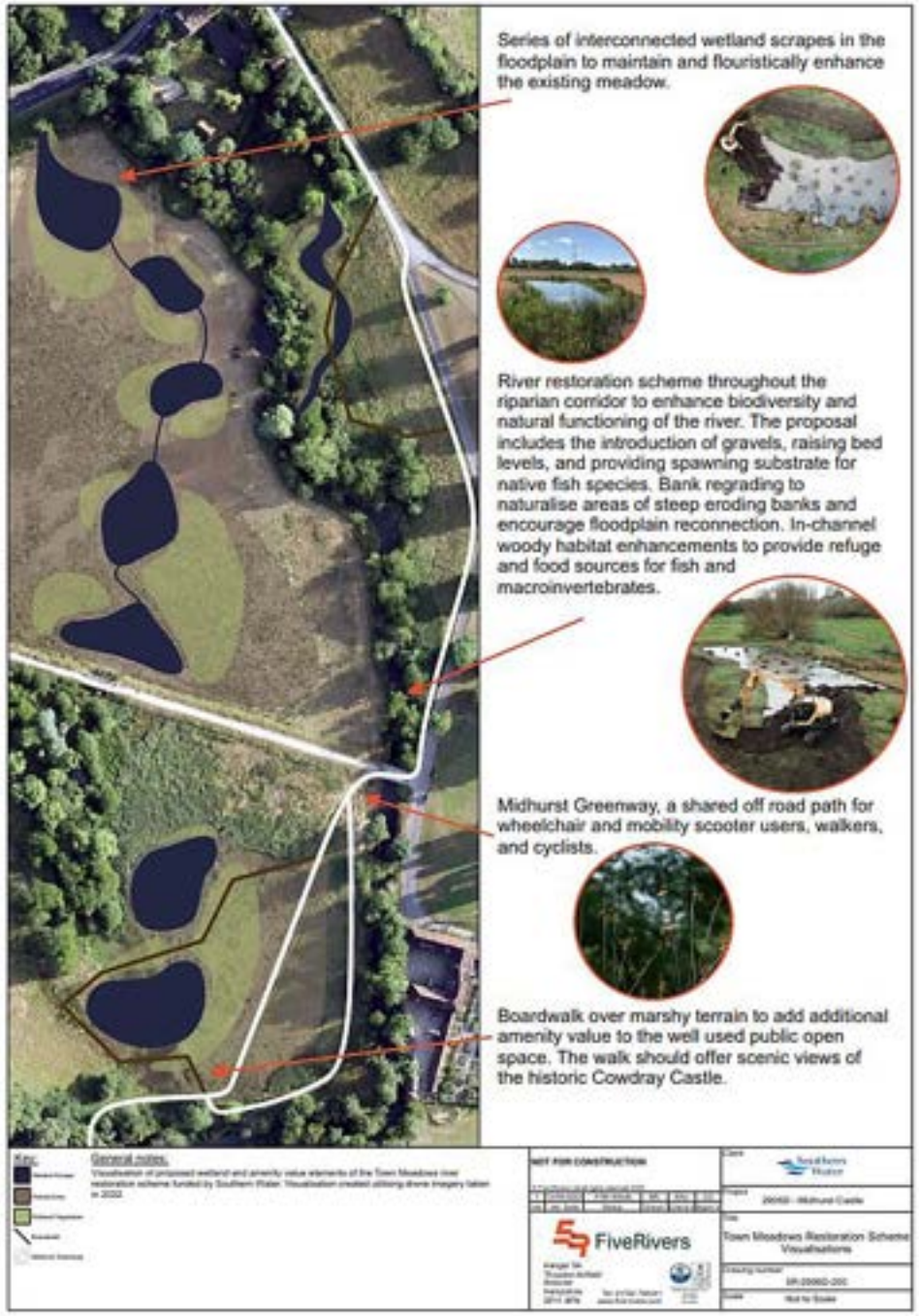
- Nitrate is impacting our groundwater drinking water sources, and we are working in partnership with landowners and farmers to reduce the risk.
- We are implementing measures to reduce risks to water quality from sediment, pesticides and PFAS sources in the Arun & Rother.

Water Resources

- We are creating a sustainable abstraction regime to protect important habitats.
- We are planning delivery of a programme of river environmental enhancements for ecological resilience on the Arun & Rother

Environment Strategy

- We are developing a holistic Environment Strategy to help define our strategic environmental ambition.
- We are embedding natural capital approaches within our decision making.
- We need to deliver a programme of Biodiversity Net Gain (BNG).



Pilot Project: Town Meadows

We are investigating opportunities for multiple benefit river and floodplain wetland restoration on a site in Midhurst, West Sussex in partnership with Cowdray Estate.

WATER for LIFE

from Southern Water

Arun & Western Rother Catchment Partnership

Hosted By

Western Sussex Rivers Trust

The Vision

Riverscapes which enable native wildlife to thrive and which people will enjoy and value for generations to come

Our Catchment Management Specialist attends the Quarterly Catchment Partnership meetings where we present key business updates and discuss options to progress partnership work.

Monthly meetings with the Catchment Partnership host allows our team to progress internal collaboration by updating decision makers on catchment wide initiatives and aligning them with our own goals for maximum benefit

At a recent catchment parntership meeting, Southern Water hosted a catchment speed networking session to identify shared goals

The Arun & Western Rother Catchment Partnership brings together local people and organisations to plan and deliver positive actions that will improve our water environment and society. Typical organisations involved are:

- Statutory agencies (EA, NE etc)
- NGOs (Rivers Trusts, Wildlife Trusts, RSPB etc)
- Local Authorities
- Local Community Groups
- Landowners and farmers
- Angling Societies/Trusts

... And many more!

Hot topics

- Invasive species
- Sediment and erosion
- Citizen Science
- Highways Run off
- Agricultural land use

Southern Water input timeline

Task	Q2 23/24	Q3 23/24	Q4 23/24	Q1 24/25	Q2 24/25	Q3 24/25	Q4 24/25	AMP8
1 Collating SWS info								
2 Collating CP info								
3 Defining shared goals								
4 Co-creation of a plan								
5 Co-delivery of a plan								

WATER for LIFE

Southern Water