



Breaking down the Water Industry National Environment Programme AMP 8 actions for Isle of Wight

*Data Source: [PR24 Water Industry National Environment Programme](#) (public)
Reviewed and Summarised by Lyra Ginns – Catchment Management Specialist
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catchment.strategy@southernwater.co.uk*

Pre-note regarding Competition and Markets Authority (CMA) process



Ofwat's Provisional Determinations (PDs) set price controls and investment allowances for AMP8 (2025–2030). Many companies, including Southern Water, believe these determinations:

- Underestimate the true cost of delivering environmental and resilience programmes (including WINEP).
- Impose unrealistic efficiency targets and financial assumptions, risking underfunding.

Companies are appealing to the CMA to:

- Secure fair allowances for essential environmental improvements.
- Ensure ability to raise capital at sustainable credit ratings.
- Align regulatory expectations with statutory obligations (e.g., storm overflow reduction, phosphorus removal, drinking water protected area actions, biosolids actions etc).

How Stakeholders Can Help with Future Planning

Regulators & Government:

- Provide clarity on environmental priorities and timelines to avoid misalignment between WINEP and price control deliverables.
- Support flexible mechanisms for programme changes as science and policy evolve.

Catchment Partners & NGOs:

- Collaborate on nature-based solutions and co-delivery models to reduce costs and accelerate outcomes.
- Share data and evidence to strengthen business cases for investment.

Customers & Community Groups:

- Engage in consultations to highlight willingness to pay for environmental improvements.
- Advocate for transparency on trade-offs between bills and ecological benefits.

Southern Water Teams:

- Scenario-plan for both CMA outcomes (uplift vs. status quo).
- Identify priority WINEP schemes that can be accelerated or deferred depending on funding certainty.



Glossary of slide pack

AMP = Asset Management Period (currently in AMP8 2025-2030)

DrWPA = Drinking Water Protected Areas

EnvAct = Environment Act

CEO = Continuous Emergency Overflow

CSO = Combined Sewer Outfall

CMA = Competition and Markets Authority

HD = Habitats Directive

INNS = Invasive Non Native Species

IMP = Improvement

INV = Investigation

MCZ = Marine Conservation Zone

MON = Monitoring

ND = No Deterioration

NGO = Non Government Organisation

PD = Provisional Determination

SSSI = Site of Specific Scientific Interest

WFD = Water Framework Directive

WPS = Wastewater Pumping Station

WTW = Wastewater Treatment Works

Contents of slide pack

alphabetical order



- DrWPA_ND (protecting our water supply) GREEN
- EnvAct_IMP2 (reducing storm overflows) PURPLE
- EnvAct_IMP3 (reducing storm overflows to bathing waters) PURPLE
- EnvAct_INV4 (investigations into storm overflows) BLUE
- HD_IMP_NN (nutrient improvement actions) GREEN
- HD_INV (investigations into water company licence impacts) BLUE
- INNS_IMP (reducing impacts of Invasive Non Native Species) GREEN
- MCZ_INV (investigations into water company licence impacts to Marin Conservation Zones) BLUE
- SSSI_INV (as above to Sites of Specific Scientific Interest) BLUE
- U_MON3 / U_MON4 (improved monitoring actions for storm overflows) YELLOW
- WFD_INV (investigations into improving Water Framework Directive status from water industry action) BLUE
- WFDGW_NDINV (investigations into risks to groundwater drinking water quality) BLUE

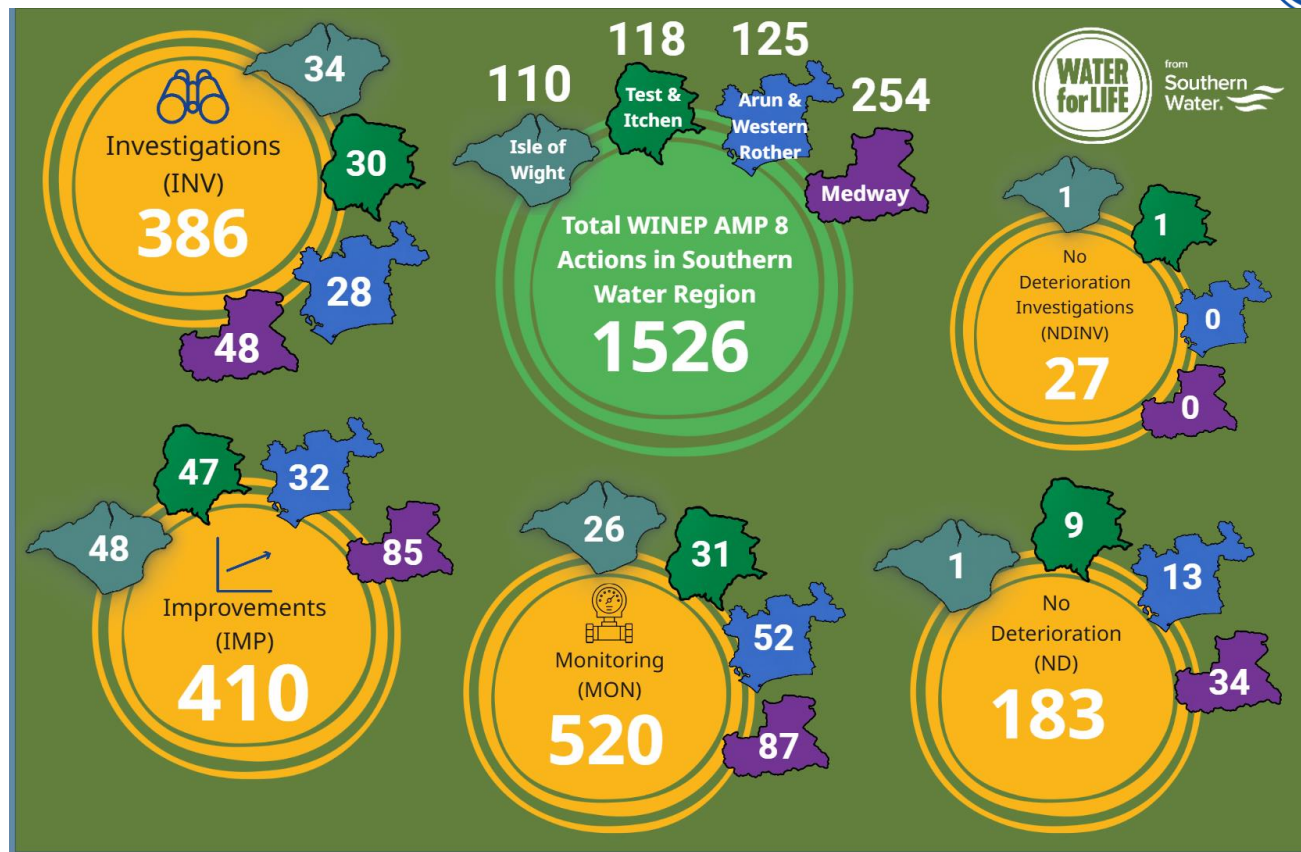
Due by 2026
YELLOW

Due by 2027
BLUE

Due by 2030
GREEN

Due by 2035
PURPLE

Infographic (in development) of total WINEP actions



Drivers by timeline for Isle of Wight AMP 8

Due by 2026
YELLOW

U_MON3 (14) U_MON4 (12)

26

Due by 2027
BLUE

EnvAct_INV4 (14) MCZ_INV (3) WFD_INV (2)
HD_INV (5) SSSI_INV (8) WFD_NDINV (1)

33

Due by 2030
GREEN

EnvAct_IMP2 (3) INNS_IMP (1)
DrWPA_ND (1) HD_IMP_NN (1) 25YEP_INV (1)

7

Due by 2035
PURPLE

EnvAct_IMP2 (39) EnvAct_IMP3 (5)

44

DrWPA_ND

Implementation of actions through a catchment scheme to ensure **No Deterioration in Drinking Water Protected Areas** quality, to avoid an increase in the level of water purification treatment.

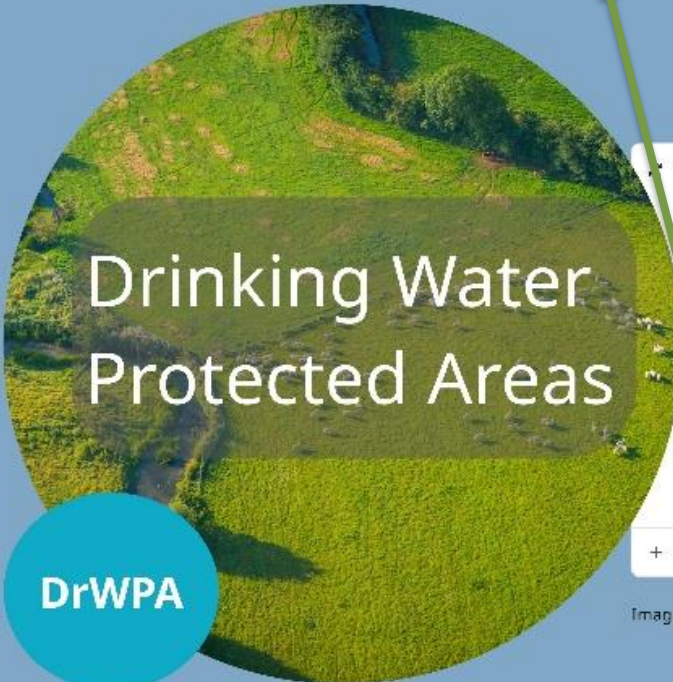
Due by 2030



Partnership Opportunities



Agricultural sector



Drinking Water Protected Areas

DrWPA

Code_Action...	Driver Description	WISER	Sustai...	Progra...	Estimate Cost	
DrWPA_IMP	Implementation of actions through a scheme to improve water quality so the level of purification treatment can be reduced over time.	Statutory +				
DrWPA_INV	Investigations for 'at risk' DrWPAs or groundwater safeguard zone to identify actions to prevent deterioration and/or to reduce treatment.	Statutory				
DrWPA_ND	Implementation of actions through a catchment scheme, or a wastewater treatment works, to prevent deterioration (or improve following a deterioration) in water quality to avoid an increase in the level of water purification treatment.	Statutory				

Count 3

Image Left: Southern Water Stock images

Catchment with DrWPA_ND driver (due by 2030)



An AMP7 investigation highlighted **turbidity and algae** as potential raw water quality risks to **Sandown Water Supply Works**.

The proposed project is focused on the **Eastern Yar**, protecting raw water quality through more integrated and collaborative planning and delivery of soil health and erosion prevention approaches with farmers.

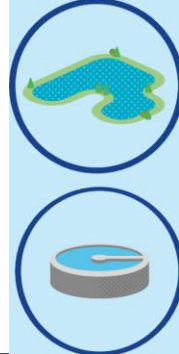


Image of Southern Water Catchment Management Officer holding soil sample with landowner. Credit Ciaran McCrickard Photography

EnvAct_IMP2

IMProvements to reduce storm overflow event discharges to protect the environment so that they have no local adverse ecological impact.

Majority due for completion by 2035, except 3 due by 2030*



Wetland, SuDs & Storage Opportunities



	Code_Action Type	Driver Description	WISER	Estimated...
1	EnvAct_IMP1 *NEW*	Actions to Reduce phosphorus loading from treated wastewater by 80% by 2038 against a 2020 baseline	Statutory	
2	EnvAct_IMP2 *NEW*	Improvements to reduce storm overflow spills to protect the environment so that they have no local adverse ecological impact.	Statutory	
3	EnvAct_IMP3 *NEW*	Improvements to reduce storm overflows that spill to designated bathing waters to protect public health.	Statutory	
	EnvAct_IMP4 *NEW*	Improvements to reduce storm overflows spills so that they do not discharge above an average of 10 rainfall events per year by 2050.	Statutory	
	EnvAct_IMP5 *NEW*	Improvements to reduce storm overflow aesthetic impacts by installation of screens.	Statutory	
	EnvAct_INV1 *NEW*	Estuarine: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Statutory	
	EnvAct_INV2 *NEW*	Inland complex: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
8	EnvAct_INV3 *NEW*	Coastal: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
9	EnvAct_INV4 *NEW*	Investigations to reduce storm overflow spills to protect the environment so that they have no local adverse ecological impact.	Statutory	
10	EnvAct_MON2 *NEW*	Inland complex: Installation of continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
11	EnvAct_MON3 *NEW*	Installation of continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
12	EnvAct_MON4 *NEW*	Inland watercourses: Installation of continuous water quality monitoring of the receiving watercourses upstream and downstream of storm overflows and wastewater treatment works discharge outlets.	Statutory	
13	EnvAct_MON5 *NEW*	Develop and implement the ability to publish continuous water quality monitoring data in near-real time in a standardised format.	Statutory	

Count 13

Sites with EnvAct_IMP2 Driver (due by 2030, 2035)



FISHBOURNE LANE FISHBOURNE IOW CEO	SuDS + Storage
FISHBOURNE LANE RYDE CSO	SuDS + Storage
KITE HILL WOOTTON CEO	SuDS + Storage
MILL SQUARE WOOTTON CSO	SuDS + Storage
NEW ROAD WOOTTON CEO	SuDS + Storage
ROSANNA SAILING SCHOOL WOOTTON CSO	SuDS + Storage
APPLEY PARK RYDE TRANSFER CEO	SuDS + Storage
CALBOURNE SSO 2030*	Wetland + Lining
MILL LANE SHALFLEET CEO	Preferred option SuDS and Storage, but costs based on storage only
HILLWAY BEMBRIDGE CEO	Preferred option SuDS and Storage, but costs based on storage only
ST HELENS CSO	Preferred option SuDS and Storage, but costs based on storage only
ST HELENS SSO	Wetland + Lining
WROXALL CEO 2030*	SuDS + Storage
BROOKSIDE DAIRY WROXALL CSO 2030*	Screens Asset Improvement
SPRINGHILL COWES TRANSFER CEO	SuDS + Storage
DODNOR CEO	SuDS + Storage
DODNOR LANE NEWPORT CSO	SuDS + Storage
EGYPT POINT COWES CEO Pumped	SuDS + Storage
MARKET HILL COWES CSO	Preferred option SuDS and Storage, but costs based on storage only
TERMINUS ROAD COWES CSO	Preferred option SuDS and Storage, but costs based on storage only
EGYPT POINT COWES CEO	Screens Asset Improvement

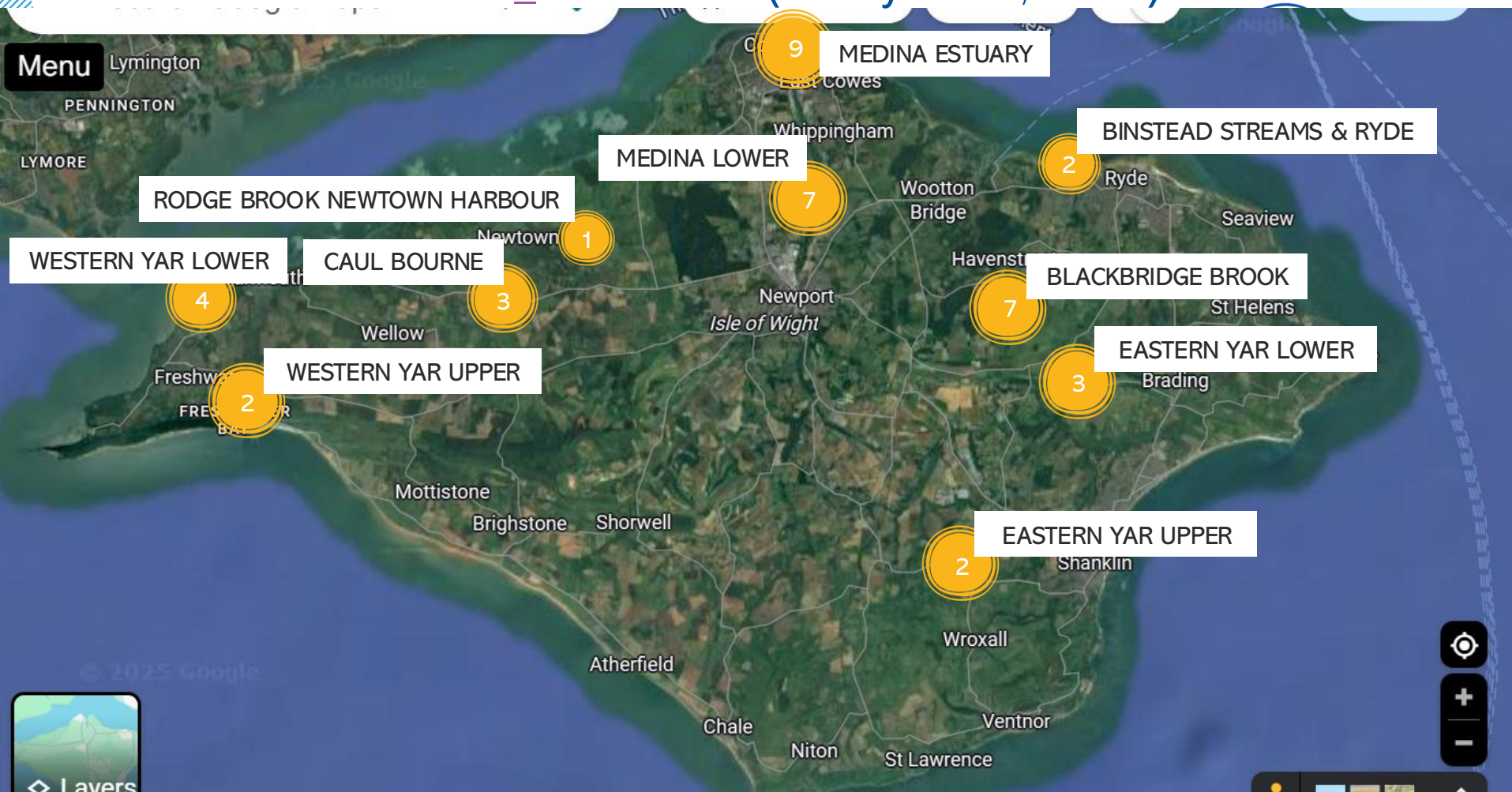
Sites with EnvAct_IMP2 Driver (all due by 2035)



WOODVALE TRANSFER CSO	Preferred option SuDS and Storage, but costs based on storage only
ALBANY ROAD EAST COWES CEO	SuDS + Storage
FAIRLEE CSO	SuDS + Storage
FAIRLEE ROAD NEWPORT OUTSIDE CSO	SuDS + Storage
MEDINA ROAD COWES CEO	SuDS + Storage
PRIOR CRESCENT NEWPORT CSO	Preferred option SuDS and Storage, but costs based on storage only
SOUTH STREET NEWPORT CSO	SuDS + Storage
ST MARYS ROAD COWES CSO	SuDS + Storage
THE QUAY NEWPORT CEO	SuDS + Storage
MAIN ROAD PORCHFIELD CEO	SuDS + Storage
LADIES WALK BINSTAD CEO	SuDS + Storage
PRINCE CONSORT RYDE CEO	SuDS + Storage
THORLEY ROAD BOULDNOR CEO	SuDS + Storage
NORTON TRANSFER IOW INLET CEO	SuDS + Storage
NORTON TRANSFER IOW PUMPED CEO	SuDS + Storage
NORTON TRANSFER IOW SSSI CEO	SuDS + Storage
BOW BRIDGE FRESHWATER CEO	SuDS + Storage
SCHOOL GREEN ROAD FRESHWATER CEO	SuDS + Storage
BARGE LANE WOOTTON BRIDGE OUTSIDE CSO	SuDS + Storage



Watercourses with EnvAct_IMP2 Driver (due by 2030, 2035)



EnvAct_IMP3

IMProvements to reduce storm overflow event discharges to designated bathing waters to protect public health



Wetland, SuDs & Storage Opportunities



All due by 2035

Environment Act

EnvAct

	Code_Action Type	Driver Description	WISER	Estimated...
1	EnvAct_IMP1 *NEW*	Actions to Reduce phosphorus loading from treated wastewater by 80% by 2038 against a 2020 baseline	Statutory	
2	EnvAct_IMP2 *NEW*	Improvements to reduce storm overflow spills to protect the environment so that they have no local adverse ecological impact.	Statutory	
3	EnvAct_IMP3 *NEW*	Improvements to reduce storm overflows that spill to designated bathing waters to protect public health.	Statutory	
	EnvAct_IMP4 *NEW*	Improvements to reduce storm overflows spills so that they do not discharge above an average of 10 rainfall events per year by 2050.	Statutory	
	EnvAct_IMP5 *NEW*	Improvements to reduce storm overflow aesthetic impacts by installation of screens.	Statutory	
	EnvAct_INV1*NEW*	Estuarine: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Statutory	
	EnvAct_INV2 *NEW*	Inland complex: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
8	EnvAct_INV3 *NEW*	Coastal: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
9	EnvAct_INV4 *NEW*	Investigations to reduce storm overflow spills to protect the environment so that they have no local adverse ecological impact.	Statutory	
10	EnvAct_MON2 *NEW*	Inland complex: Installation of continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
11	EnvAct_MON3*NEW*	Installation of continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
12	EnvAct_MON4 *NEW*	Inland watercourses: Installation of continuous water quality monitoring of the receiving watercourse upstream and downstream of storm overflows and wastewater treatment works discharge outlets.	Statutory	
13	EnvAct_MON5*NEW*	Develop and implement the ability to publish continuous water quality monitoring data in near-real time in a standardised format.	Statutory	

Count 13

Sites with EnvAct_IMP3 Driver (all due by 2035)

LANE END BEMBRIDGE CEO	SuDS + Storage
SANDOWN NEW NO. SSO	Preferred option SuDS and Storage, but costs based on storage only
SANDOWN NEW NO. SSO	SuDS + Storage
THE POINT BEMBRIDGE NEW CEO	SuDS + Storage
MADEIRA ROAD TOTLAND SSO	SuDS + Storage

Total 5 actions



Watercourses with EnvAct_IMP3 Driver (due by 2035)



EnvAct_INV4

INvestigations to reduce storm overflow event discharges to protect the environment so that they have no local adverse ecological impact.

All due by
2027



Investigations to reduce storm overflows
Collaborative Citizen Science Opportunities

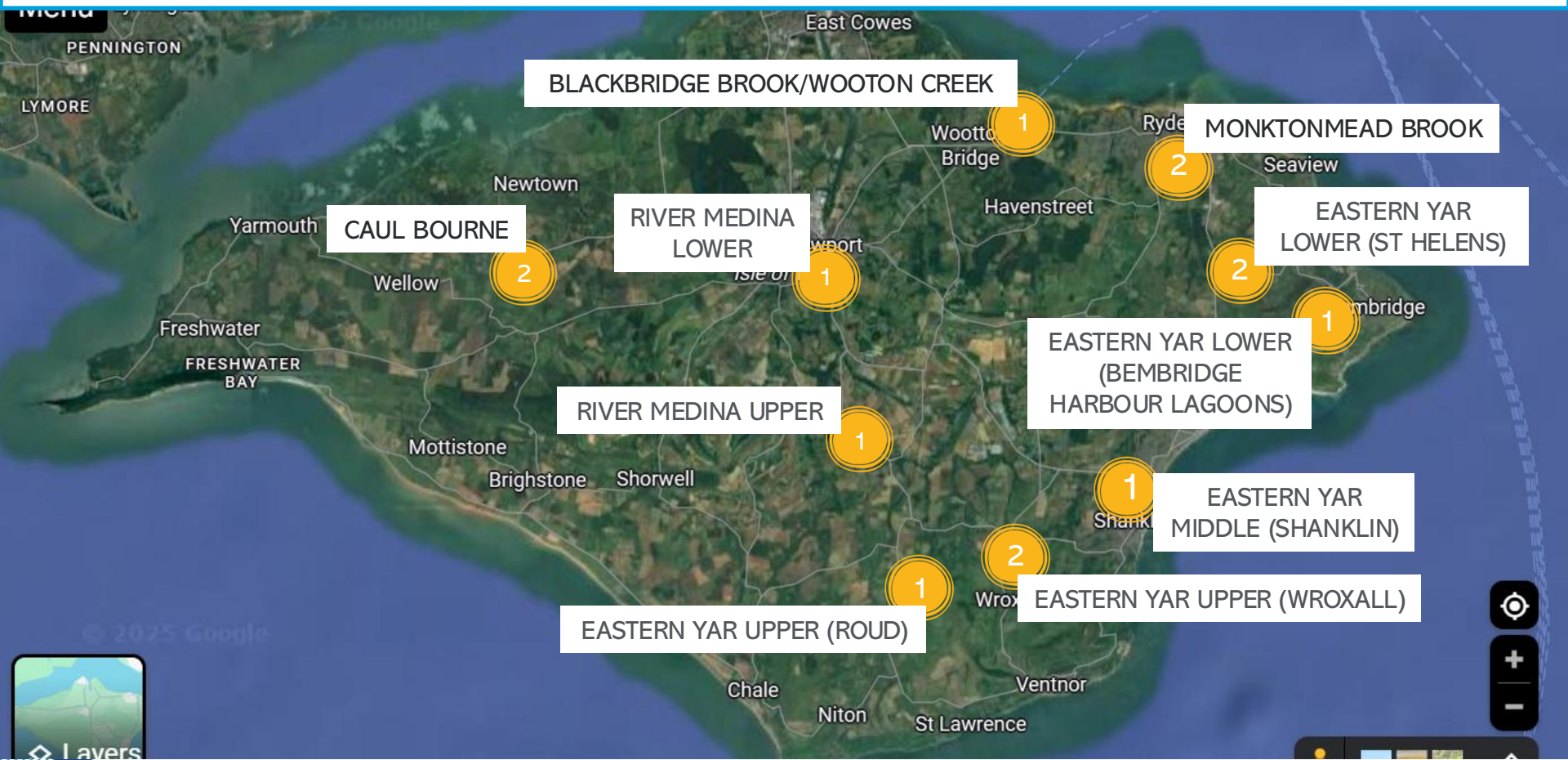


	Code_Action Type	Driver Description	WISER	Estimated...
1	EnvAct_IMP1 *NEW*	Actions to Reduce phosphorus loading from treated wastewater by 80% by 2038 against a 2020 baseline	Statutory	
2	EnvAct_IMP2 *NEW*	Improvements to reduce storm overflow spills to protect the environment so that they have no local adverse ecological impact.	Statutory	
3	EnvAct_IMP3 *NEW*	Improvements to reduce storm overflows that spill to designated bathing waters to protect public health.	Statutory	
	EnvAct_IMP4 *NEW*	Improvements to reduce storm overflows spills so that they do not discharge above an average of 10 rainfall events per year by 2050.	Statutory	
	EnvAct_IMP5 *NEW*	Improvements to reduce storm overflow aesthetic impacts by installation of screens.	Statutory	
	EnvAct_INV1 *NEW*	Estuarine: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Statutory	
	EnvAct_INV2 *NEW*	Inland complex: Investigation/pilots to assess site suitability for continuous water quality monitoring of the receiving environment to assess any impact from storm overflows and wastewater treatment works discharge outlets.	Non Statutory	
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9	EnvAct_INV4 *NEW*	Investigations to reduce storm overflow spills to protect the environment so that they have no local adverse ecological impact.	Statutory	
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12	EnvAct_MON4 *NEW*	Inland watercourses: Installation of continuous water quality monitoring of the receiving watercourse upstream and downstream of storm overflows and wastewater treatment works discharge outlets.	Statutory	
13	EnvAct_MON5 *NEW*	Develop and implement the ability to publish continuous water quality monitoring data in near-real time in a standardised format.	Statutory	

Sites with EnvAct_INV4 Drivers (all due by 2027)

PARK ROAD RYDE CSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
KITE HILL WOOTTON CEO	Investigation to determine the target number of spills from the storm overflow to protect the Shellfish Water and ensure no more than 10 spills per annum (on average) as an agglomeration
CALBOURNE SSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
MILL LANE SHALFLEET CEO	Investigation to determine the target number of spills from the storm overflow to protect the Shellfish Water and ensure no more than 10 spills per annum (on average) as an agglomeration
HILLWAY BEMBRIDGE CEO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
ST HELENS CSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
ST HELENS SSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
ROUD SSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
WROXALL CEO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
HYDE DESTRUCTOR SHANKLIN CSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
SOUTH STREET NEWPORT CSO	Investigation to determine the target number of spills from the storm overflow to protect the Shellfish Water and ensure no more than 10 spills per annum (on average) as an agglomeration
SIMEON STREET RYDE CSO	Investigation to determine the target number of spills from the storm overflow to protect the Shellfish Water and ensure no more than 10 spills per annum (on average) as an agglomeration
BROOKSIDE DAIRY WROXALL CSO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact
PRICHETTS WAY ROOKLEY CEO	Investigation to determine the target number of spills from the storm overflow to protect the environment and demonstrate no local adverse ecological impact

Watercourses with EnvAct_INV4 Driver (due by 2027)



HD_IMP_NN

IMProvement actions to reduce total phosphorus and/or total nitrogen levels to the Technically Achievable Limit (TAL) to maintain or restore favourable conservation status at European sites.

Due by 2030



HD

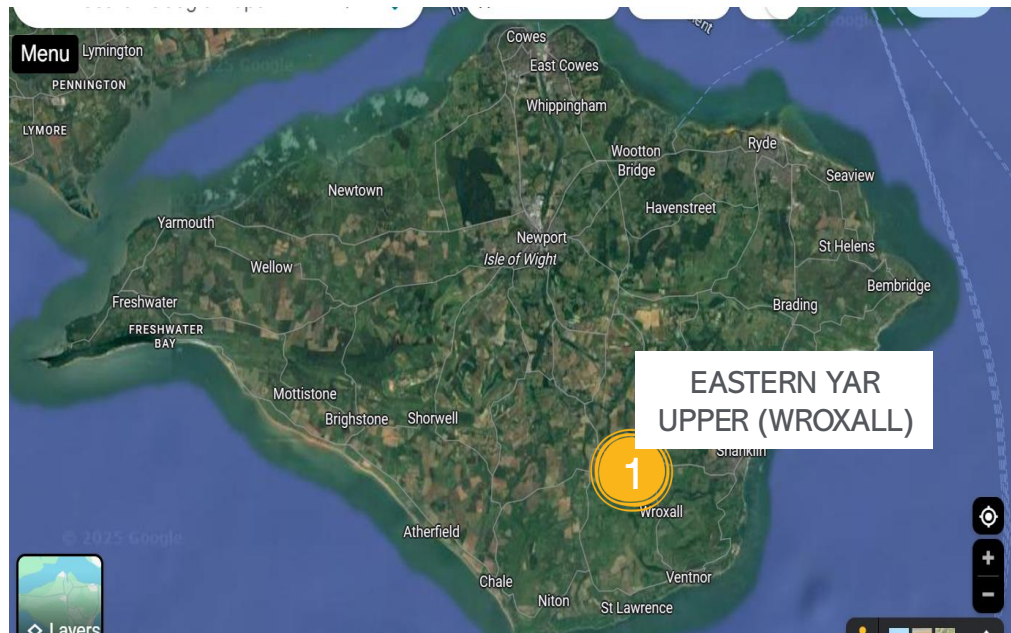
Column 1	Column 2	Column 4
HD_IMP	Action to contribute to restoration of a European site or Ramsar site to move towards meeting the conservation objectives.	Statutory
HD_INV	Investigation and or options appraisal to determine impacts of water company activities, or permit / licence conditions/standards on a European site or Ramsar site or to determine the costs and technical feasibility of meeting targets.	Statutory
HD_ND	Action to contribute to maintenance of (prevent deterioration of) the condition of a European site or Ramsar site to ensure the site contributes to achieving favourable conservation status.	Statutory
HD_IMP_NN	Actions to reduce total phosphorus and/or total nitrogen levels to the Technically Achievable Limit (TAL) from discharges which drain to catchments where Nutrient Neutrality is advised.	Statutory

Image Left: Claran McCrickard Photography on behalf of Southern Water

Sites with HD_IMP_NN Drivers (Due by 2030)



WROXALL	Amend permit limit of Total N
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HD_INV

INvestigations and or options appraisal to determine impacts of water company activities, or permit/licence conditions/standards

All due by 2027



Habitats Directive

HD

Column 1	Column 2	Column 4
HD_IMP	Action to contribute to restoration of a European site or Ramsar site to move towards meeting the conservation objectives.	Statutory
HD_INV	Investigation and or options appraisal to determine impacts of water company activities, or permit / licence conditions/standards on a European site or Ramsar site or to determine the costs and technical feasibility of meeting targets.	Statutory
HD_ND	Action to contribute to maintenance of (prevent deterioration of) the condition of a European site or Ramsar site to ensure the site contributes to achieving favourable conservation status.	Statutory
HD_IMP_NN	Actions to reduce total phosphorus and/or total nitrogen levels to the Technically Achievable Limit (TAL) from discharges which drain to catchments where Nutrient Neutrality is advised.	Statutory

Image Left: Claran McCrickard Photography on behalf of Southern Water

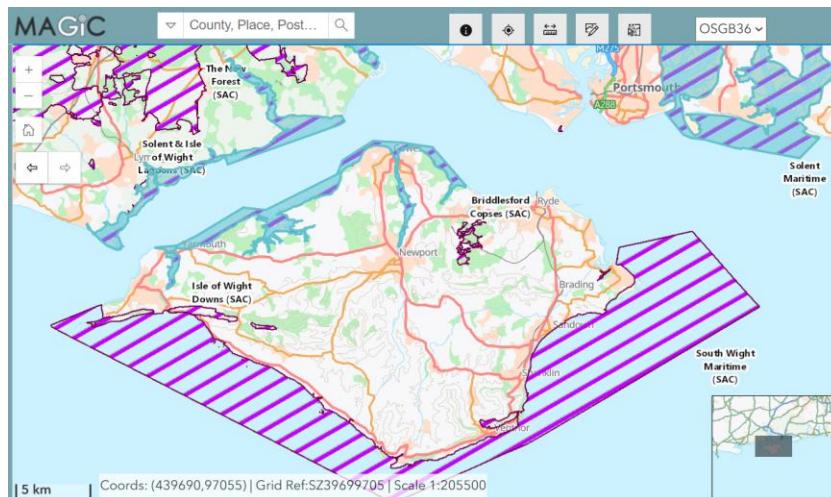
Sites with HD_INV Drivers (all due by 2027)



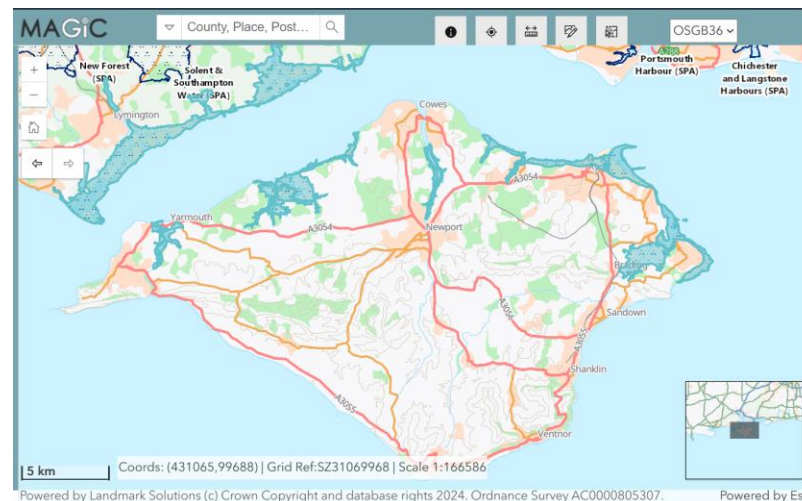
Solent Maritime SAC UK0030059	Investigation
Solent and Dorset Coast SPA UK9020330	Investigation
Solent and Isle of Wight Lagoons SAC UK0017073	Investigation
Solent and Southampton Water SPA, Ramsar UK9011061	Investigation
South Wight Maritime SAC UK0030061	Investigation

Sites with HD_INV Drivers (all due by 2027)

See Isle of Wight SAC Magic Map Application
Special Area of Conservation. These are strictly protected sites designated under national and international law to conserve threatened or rare natural habitats and species other than birds.



See Isle of Wight SPA Magic Map Application
Special Protection Area. These are strictly protected sites classified under the European Union (EU) Birds Directive to safeguard the habitats of rare, vulnerable, and regularly occurring migratory birds.



INNS_IMP

IMProvement schemes to reduce the impacts of **Invasive Non Native Species** where it is a reason for not meeting conservation objectives or good status



Invasive Non Native Species

INNS

Column 1	Column 2	Column 4
INNS_IMP	Delivery -Improvement schemes to reduce the impacts of INNS, where INNS is a reason for not achieving conservation objectives or good status.	Statutory, Statutory
INNS_INV	Investigations -Includes pathway analysis, prevention of deterioration and actions to achieve conservation objectives.	Statutory
INNS_MON	Surveillance - Set up of surveillance programmes.	Statutory +
4 INNS_ND	Delivery - Actions to prevent deterioration by reducing the risks of spread of INNS and reducing the impacts of INNS	Statutory

Due By 2030

Sites with INNS_IMP Drivers (due by 2030)



To be confirmed (SW assets and surrounding catchment plans)	Undertake targeted trials to determine the effectiveness of INNS solutions to inform AMP9 (2030-2035) rollout.
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MCZ_INV

INvestigation and or options appraisal to determine impacts of water company activities, or permit/licence conditions/standards on an **Marine Conservation Zone** or to determine the costs and technical feasibility of meeting targets



Marine Conservation Zone

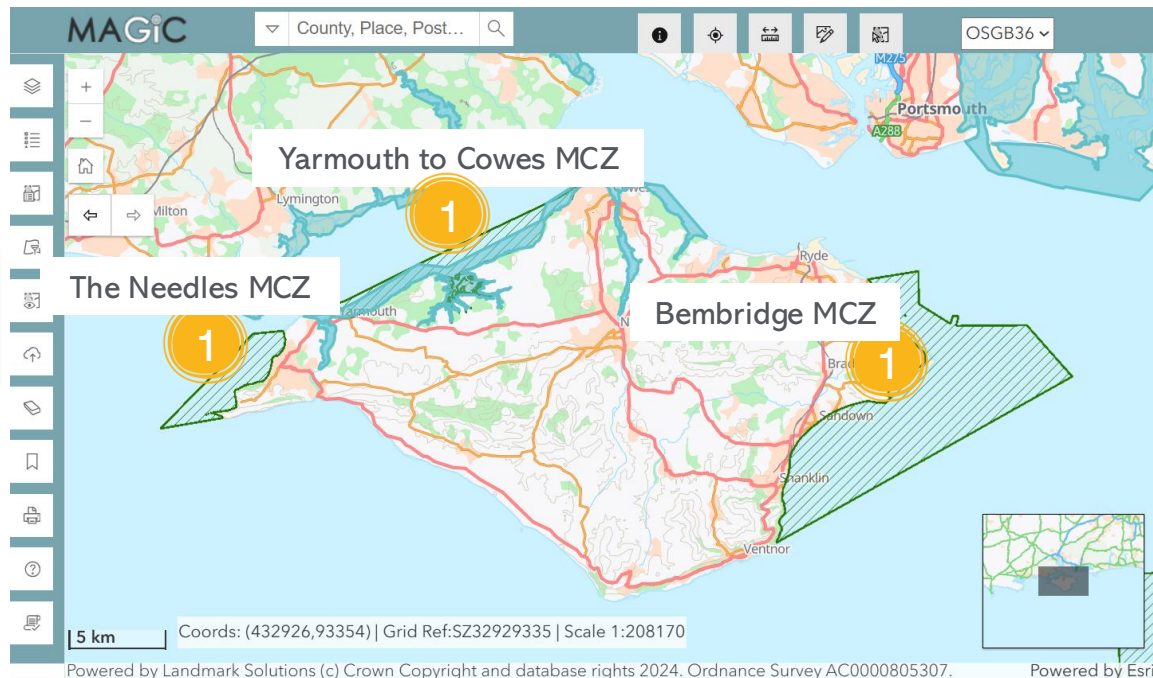
MCZ

Column 1	Column 2	WISER
MCZ_IMP	Action to contribute to restoration of a MCZ to move towards meeting favourable condition.	Statutory +
MCZ_INV	Investigation and or options appraisal to determine impacts of water company activities, or permit / licence conditions/standards on an MCZ or to determine the costs and technical feasibility of meeting targets.	Statutory +
MCZ_ND	Action to contribute to maintenance (or prevent deterioration) of an MCZ at favourable condition.	Statutory +

All due by 2027

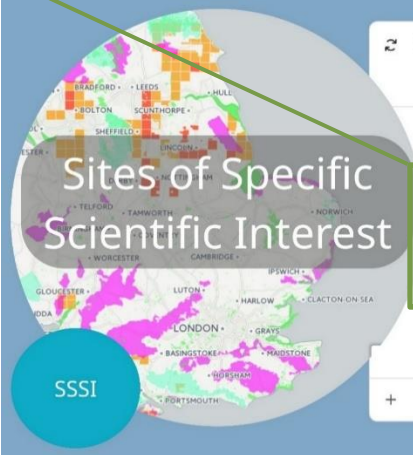
Sites with MCZ_INV Drivers (all due by 2027)

Yarmouth to Cowes	Investigation
Bembridge MCZ	Investigation
The Needles	Investigation



SSSI_INV

INvestigation and or options appraisal to determine impacts of water company activities, or permit/licence conditions/standards on a Site of Specific Scientific Interest or to determine the costs and technical feasibility of meeting targets



Sites of Specific Scientific Interest

SSSI

Column 1	Column 2	WISER
SSSI_IMP	Action to contribute to restoration of a SSSI to favourable condition.	Statutory
SSSI_INV	Investigation and/or options appraisal to determine impacts of water company activities, or permit or licence conditions/standards on a SSSI or to determine the costs and technical feasibility of meeting targets.	Statutory
SSSI_ND	Action to contribute to maintenance of (prevent deterioration of) the condition of a SSSI.	Statutory

All due by
2027

Sites with **SSSI_INV** Drivers (all due by 2027)

Ryde Sands and Wootton Creek SSSI	Investigation
Newtown Harbour SSSI	Investigation
King's Quay Shore SSSI	Investigation
Yar Estuary SSSI	Investigation
Alverstone Marshes SSSI	Investigation
Brading Marshes to St. Helen's Ledges SSSI	Investigation
Medina Estuary SSSI	Investigation
Compton Chine to Steephill Cove SSSI	Investigation

Sites with SSSI_INV Drivers (all due by 2027)



U_MON3 & U_MON 4

MCERTS* certified
MONitoring at wastewater
treatment works overflows,
providing accurate flow
measurement data to the
Environment Agency,
allowing performance with
their permit conditions to
be better regulated
regarding storm events.



Urban wastewater
Treatment Regulations

U

Column 1	Column 2	Column 4
U JMP1	Actions to improve discharges from agglomerations that, through population growth, have crossed the population thresholds in the UWWTR and therefore must achieve more stringent UWWTR requirements. This includes newly qualifying discharges from agglomerations >10,000pe within existing sensitive areas. This includes discharges of >2,000 pe to fresh waters and estuaries and discharges >10,000 pe to coastal waters, as well as discharges >10,000 pe and 100,000 pe to Sensitive Areas.	Statutory
U JMP2	Actions to reduce total phosphorus and/or total nitrogen levels in qualifying discharges (from agglomerations >10,000pe) associated with the next review of freshwater Sensitive Areas (Eutrophics).	Statutory
U JMP3	Actions to introduce more stringent treatment than UWWTR secondary treatment, to optimise reduction of nitrogen in qualifying discharges (from agglomerations >10,000pe) associated with the next review of freshwater Sensitive Areas (Nitrate).	Statutory
U JMP4	Improvements to reduce storm overflow spill frequency to a demonstrated cost beneficial level to meet UWWTR.	Statutory
U JMP5	Increasing flow Passed Forward (FPF) flows at WwTWs that were identified in PR19 as having low permitted FPF/DWF ratios and were subsequently deferred until PR24 by the written agreement of the Environment Agency.	Statutory
U JMP6	Increasing storm tank capacity to provide adequate settlement and detention at WwTWs that were identified in PR19 and were subsequently deferred until PR24 by the written agreement of the Environment Agency.	Statutory
U JMP7	Provide secondary treatment capable of achieving 40-60 BOD-suspended solids where a septic tank discharges to surface water.	Statutory
U_MON3	MCERTS certified FPF overflow operation monitoring at WwTW or last in line SPS overflows U_MON3a- MCERTS certification of an AMF7 U_MON3 driver output overflow operation monitor U_MON 3b- MCERTS certified overflow operation monitor	Statutory
U_MON4	MCERTS certified FPF flow monitoring at WwTW or last in line SPS overflows U_MON4a- Move AMF7 U_MON4 driver output to 2-minute flow monitoring U_MON4b- Move AMF7 U_MON2 driver output to 2-minute flow monitoring U_MON4c- PR24 U_MON4 from U_INV2 investigation U_MON4d- MCERTS certified Flow passed forward flow monitor U_MON4e- MCERTS certified Flow passed forward flow monitor including civils	Statutory
U_MON6	MCERTS certified monitoring of emergency overflow operation on network sewage pumping stations U_MON6a- Install MCERTS EDM Monitoring only (pumping stations permitted for emergency overflows only). U_MON6b- Install MCERTS EDM Monitoring and civils (pumping stations permitted for emergency overflows only). U_MON6c- Install MCERTS EDM Monitor and associated MCERTS pass forward flow monitoring to differentiate storm and emergency (pumping stations permitted for storm and emergency overflows). U_MON6d- Install MCERTS EDM Monitor and civils and associated MCERTS pass forward flow monitoring to differentiate storm and emergency (pumping stations permitted for storm and emergency overflows). U_MON6e- Permit change only.	Statutory

All due by end
2026

What does “MCERTS certified” mean?
It means the monitoring equipment meets strict quality standards set by the Environment Agency, so the data can be trusted.

Sites with U_MON3 & U_MON4 Drivers (all due by end 2026)



BRIGHSTONE WTW
SHORWELL WTW
Brook IOW WPS
MILL LANE SHALFLEET WPS
NEWBRIDGE ROAD NEWBRIDGE WPS
CALBOURNE WTW
SANDOWN WTW
ST HELENS WTW
GODSHILL WTW
ROUD WTW
WROXALL WTW
CHALE WTW

Menu

Lymington

PENNINGTON

LYMORE

Shalfleet WPS

Newbridge WPS

Calbourne WTW

St Helens WTW

Shorwell WTW

Sandown WTW

Brook WPS

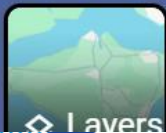
Brighstone
WTW

Roud WTW

Godshill WTW

Wroxhall WTW

Chale WTW



WFD_INV

INvestigations for actions to improve water quality in terms of relevant WFD status objectives.



Due by 2027

Water Framework Directive (Surface Water)

WFD

Column 1	Column 2	WFD	Estimated Cost
WFD_MP	Implementation of actions to improve water quality in terms of relevant WFD status objectives. The driver WFD_MP should have a suffice brief applied to indicate what target the measure is aimed at achieving: the status objective standard. The following are to be used: + b - measure to meet high status for the element + g - measure to meet Good status for the element + m - measure to meet Moderate status for the element + p - measure to meet Poor status for the element ● Potential changes to current water body objectives, as a result of PFD planning, may be included in the 2027 river basin management plans. ● Where a water company is willing to do more for WFD than is required then the work should be represented on the WFDMP with 2 driver codes: use WFD_MP driver code to reflect the statutory work and use 25 Year Environment Plan driver code (25YEP_MP) to reflect the discretionary work. Please see the separate driver guidance on the 25 Year Environment Plan driver. ● If we know that a water company is going to implement an action, irrespective of our economic appraisal, then we should include that action in the programme of measures and build the expected outcome into the water body objective.	Statutory	
WFD_MP_CHEM	To meet either good ecological status or good chemical status, needed where an EQS is exceeded downstream of a wastewater treatment works discharge. Measures that fail economic tests will receive standard limits under WFD_NDLS_CHEM1	Statutory	
WFD_MP_MOD	Actions to ensure no river, lake or estuary is in poor or bad ecological status due to the water industry.	Statutory	
WFD_MP_PHYSHB	Actions to address barriers to passage of fish or impacted physical habitat in WFD taking waterbodies not designated artificial or heavily modified for water resources uses.	Statutory	
WFD_MP_Wtrflow	Action to improve ecological status (surface water)	Statutory	
WFD_MP_WtrHBWB	Action to improve ecological status (surface water)	Statutory	
WFD_INV	Investigations for actions to improve water quality in terms of relevant WFD status objectives. We anticipate that the majority of investigations will have been carried out during the first and second river basin management planning cycles. However, some investigations may still be needed. Please identify the pressure(s) for further investigation with the WFD driver code(s). Outline the scope of investigation within the investigation column of WFDINV in the investigation scope column record the parameter of concern and the investigation details. This driver is only for: + Investigations carried out by the water company, and + Investigations where further certainty is needed to be able to target cost beneficial measures to be carried out by the water company. This driver should not be used for apportioning of solutions. Investigations. Instead of treating this driver down using sub codes, one column in the WFDINV will identify the chemical(s) being investigated, and a test column in the WFDINV will be used to describe the investigation type. Investigations to ensure no river, lake or estuary is in poor or bad ecological status due to the water industry. Investigations into micro plastics Investigations to assess treatment options for nitrogen Investigation to determine: ● Impacts from water company operational physical modification on fish passage or physical habitat and ● Impact to WFD water body consequential objectives - e.g. is the physical modification a reason for not achieving good status/potential? Investigation to determine impact of obstructions and appraisal of options for an effective solution to achieve good ecological status (surface water) Investigation to determine impact of obstructions and appraisal of options for an effective solution to achieve good ecological status (surface water) Actions to meet requirements to prevent deterioration Actions to meet requirements to prevent deterioration in chemical status because of growth Actions to meet requirements to prevent deterioration to maintain existing standard limits for chemicals. If there is growth in the sewage works/ catchment Action to protect / ensure no deterioration in status (surface water) Action to protect / ensure no deterioration in status (surface water) Investigation to determine the likelihood that future abstraction will cause deterioration in any element affecting the ecological status of a water body and identify effective solutions. Investigation to determine the likelihood that future abstraction will cause deterioration in any element affecting the ecological status of a water body and identify effective solutions. Measures related to load standard requirements for chemicals where EQS exceedance is predicted, but measures fail economic assessments associated with EQS. Measures related to load standard requirements for chemicals below EQS. These are set where a wastewater treatment works is discharging significant concentrations of a chemical, but the EQS is not threatened immediately downstream. Targets are set to ensure that current effluent quality does not deteriorate and to contribute to broader aims to reduce and phase out emissions, discharges and losses of priority hazardous substances and prevent pollution swapping. This driver would be used where there is no risk that growth between 2019 and 2021 would cause an actual failure of the EQS.	Statutory	
WFD_INV_CHEM	Investigations. Instead of treating this driver down using sub codes, one column in the WFDINV will identify the chemical(s) being investigated, and a test column in the WFDINV will be used to describe the investigation type.	Statutory, Hch.	
WFD_INV_MOD	Investigations to ensure no river, lake or estuary is in poor or bad ecological status due to the water industry.	Statutory	
WFD_INV_MP	Investigations into micro plastics	Non Statutory	
WFD_INV_Ntr	Investigations to assess treatment options for nitrogen	Non Statutory	
WFD_INV_PHYSHB	Investigation to determine: ● Impacts from water company operational physical modification on fish passage or physical habitat and ● Impact to WFD water body consequential objectives - e.g. is the physical modification a reason for not achieving good status/potential?	Statutory	
WFD_INV_Wtrflow	Investigation to determine impact of obstructions and appraisal of options for an effective solution to achieve good ecological status (surface water)	Statutory	
WFD_INV_WtrHBWB	Investigation to determine impact of obstructions and appraisal of options for an effective solution to achieve good ecological status (surface water)	Statutory	
WFD_ND	Actions to meet requirements to prevent deterioration	Statutory	
WFD_ND_CHEM3	Actions to meet requirements to prevent deterioration in chemical status because of growth	Statutory	
WFD_ND_CHEM4	Actions to meet requirements to prevent deterioration to maintain existing standard limits for chemicals. If there is growth in the sewage works/ catchment	Statutory	
WFD_ND_Wtrflow	Action to protect / ensure no deterioration in status (surface water)	Statutory	
WFD_ND_WtrHBWB	Action to protect / ensure no deterioration in status (surface water)	Statutory	
WFD_NDINV_Wtrflow	Investigation to determine the likelihood that future abstraction will cause deterioration in any element affecting the ecological status of a water body and identify effective solutions.	Statutory	
WFD_NDINV_WtrHBWB	Investigation to determine the likelihood that future abstraction will cause deterioration in any element affecting the ecological status of a water body and identify effective solutions.	Statutory	
WFD_NDLS_CHEM1	Measures related to load standard requirements for chemicals where EQS exceedance is predicted, but measures fail economic assessments associated with EQS.	Statutory	
WFD_NDLS_CHEM2	Measures related to load standard requirements for chemicals below EQS. These are set where a wastewater treatment works is discharging significant concentrations of a chemical, but the EQS is not threatened immediately downstream. Targets are set to ensure that current effluent quality does not deteriorate and to contribute to broader aims to reduce and phase out emissions, discharges and losses of priority hazardous substances and prevent pollution swapping. This driver would be used where there is no risk that growth between 2019 and 2021 would cause an actual failure of the EQS.	Statutory	

Sites and watercourses with **WFD_INV** drivers (both due by Apr 2027)

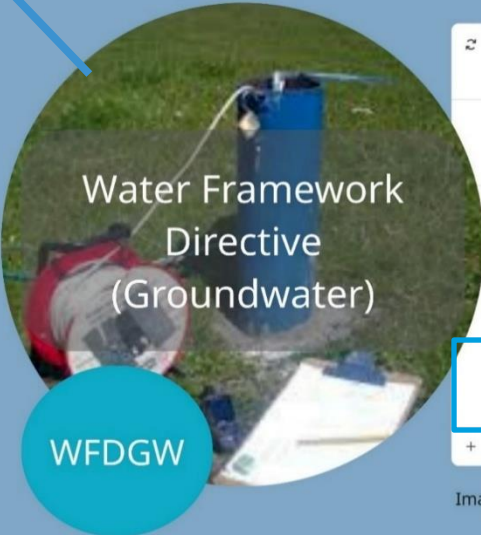
BRIGHSTONE WTW
CHILLERTON WTW



WFDGW_NDINV

INvestigations for
groundwater to prevent
deterioration in water
resources of drinking water
quality

Due by 2027



Water Framework
Directive
(Groundwater)

WFDGW

Column 1	Column 2	WISER
WFDGW_IMP	Groundwater Good Status improvement measure relating to water resource or water quality	Statutory +
WFDGW_INV	Groundwater good status improvement action relating to water resource or water quality.	Statutory
WFDGW_ND	Groundwater prevent deterioration action relating to water resource or water quality	Statutory
WFDGW_NDINV	Groundwater prevent deterioration investigation relating to water resource or water quality.	Statutory

Image Left: <https://www2.bgs.ac.uk/groundwater/waterResources/SouthDowns.html>

Sites and watercourses with WFDGW_NDINV drivers (both due by Apr 2027)

	Investigations into risks to groundwater drinking water quality, including: water quality monitoring, catchment risk assessment, identification of sources and groundwater pathways, root cause analysis, understanding treatment challenges and constraints, and options to identify future mitigation measures that may be required.
Bowcombe - At Risk Investigation	

Total 1 action



25YEP_INV

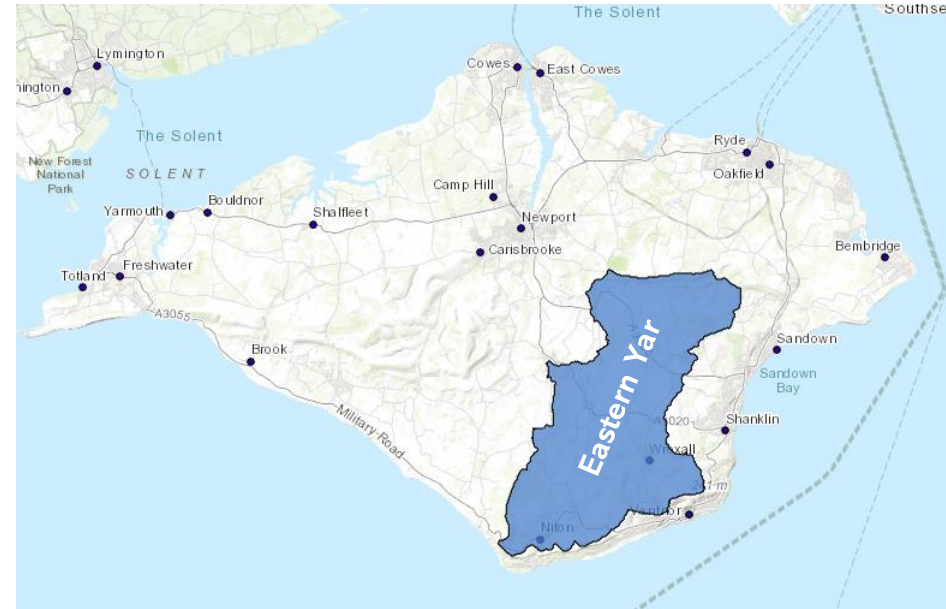
INvestigations into a locally significant environmental issue not eligible under any other driver, but with clear evidence of customer support.

Due by 2030



Column 1	Column 2	WISER	Estimated Cost
25YEP_IMP *NEW*	Locally significant environmental measures not eligible under any other driver, but with clear evidence of customer support.	Non Statutory	
25YEP_INV *NEW*	Investigations into a locally significant environmental issue not eligible under any other driver, but with clear evidence of customer support.	Non Statutory	

An INVestigation - **integrated catchment strategy** is being developed to align activities with the Catchment Partnerships (part of the Catchment Based Approach) to achieve wider outcomes for natural capital and social value. This is to build resilience to protect **Sandown Water Supply Works**.



Actions for Catchment Management Specialist

- Identify key Southern Water leads of each driver mentioned in PowerPoint and clearly display these (will be doing this as part of internal (southern water) catchment partnerships being developed and introduced in Q1 of 2026)
- Pick out Nutrient drivers for Eastern Yar to align with the Drinking Water Protected Areas (DrWPA) driver for algae and turbidity

Actions for interested partners

- Identify locations which are of interest to your projects by reviewing the site lists in PowerPoint