

## Drainage and Wastewater Management Plan (DWMP)

# DWMP Investment Needs

1. The options listed in the DWMP Investment Needs below are the preferred options in our DWMP. They will need further refinement as we implement the DWMP to confirm the exact location and scope of action needed, and the cost.
2. The costs are indicative costs for planning purposes only. The basis for the cost estimates, including assumptions and uncertainties, are explained in our DWMP Investment Plans.
3. The table of Investment Need provides an indicative cost so we know what level of funding is needed to reduce the risks. It is not a commitment to fund or deliver any option.
4. The Indicative Timescale is when the investment is needed. Some options may take several investment periods to achieve the desired outcomes.
5. Potential Partners have been identified in the table of Investment Needs. This is to indicate where there may be opportunities for us to work with these partners when developing and delivering these options. It is not a commitment by any of the partners to work with us.
6. These options will inform our future business plans as part of the Ofwat periodic review process to secure the finance to implement these options.
7. The options listed are prioritised by the method stated in the [Programme Appraisal Technical Summary](#).

Date : May 2023

Version : 1.0

Reference	River Basin (L2)	Wastewater System (L3)	Location	Option	Indicative Cost	Indicative Timescales	Potential Partners	Applicable Planning Objectives
<b>Test and Itchen Woolston</b>								
WOOL.SC01.1	Test and Itchen	Woolston	Hotspot 1 - Itchen	Customer Education Programme: Targeted campaign to reduce the amount of FOG (fats, oils and grease) and unflushables discharged into the sewer network	£115K	AMP8 onwards	Southampton City Council	PO1
WOOL.SC01.2	Test and Itchen	Woolston	Hotspot 1 - Harefield	Customer Education Programme: Targeted campaign to reduce the amount of FOG (fats, oils and grease) and unflushables discharged into the sewer network	£115K	AMP8 onwards	Southampton City Council	PO2
WOOL.PW01.3	Test and Itchen	Woolston	Hotspot 1 - Harefield	Sewer Rehabilitation: Targeted CCTV or electroscan surveys and sewer rehabilitation to reduce the risk of sewer bursts and collapses	£635K	AMP8 onwards	-	PO3
WOOL.PW01.15	Test and Itchen	Woolston	Hotspot 1 - Itchen	Enhanced Sewer Maintenance: Increase targeted sewer jetting to reduce the number of blockages in the network	£135K	AMP8 onwards	-	PO1
WOOL.PW01.16	Test and Itchen	Woolston	Woolston	Sewer Rehabilitation: Targeted CCTV or electroscan surveys and sewer rehabilitation to reduce the risk of sewer bursts and collapses	£65K	AMP8 onwards	-	PO2
WOOL.PW01.20	Test and Itchen	Woolston	Hotspot 1 - Harefield	Enhanced Sewer Maintenance: Increase targeted sewer jetting to reduce the number of blockages in the network	£35K	AMP8 onwards	-	PO2
WOOL.PW02.2	Test and Itchen	Woolston	Dena Road and Pound Street	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£595K	AMP9	-	PO4 PO7
WOOL.PW02.3	Test and Itchen	Woolston	Sunningdale Gardens and Somerset Avenue	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£2,215K	AMP9	-	PO4 PO7
WOOL.PW02.4	Test and Itchen	Woolston	Canon Place and Napier Road	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£2,365K	AMP9	-	PO4 PO7
WOOL.PW02.5	Test and Itchen	Woolston	Butts Road and South East Road	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£2,155K	AMP9	-	PO4 PO7
WOOL.PW02.6	Test and Itchen	Woolston	Squirrel Drive	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£2,780K	AMP9	-	PO4 PO7
WOOL.PW02.7	Test and Itchen	Woolston	Lawrence Grove, Swift Road, Obelisk Road	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£3,010K	AMP9	-	PO4 PO7
WOOL.PW02.8	Test and Itchen	Woolston	Swift Road and Swift Gardens	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£820K	AMP9	-	PO4 PO7
WOOL.PW02.9	Test and Itchen	Woolston	Blacthorn Road, Peartree Avenue, and Merridale Road	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£1,465K	AMP9	-	PO4 PO7
WOOL.PW02.10	Test and Itchen	Woolston	Braeside Road	Flood Alleviation: Separate or attenuate excess rainwater in sewer network using Sustainable Drainage Systems (SuDS) to reduce risk of flooding (Costs based on storage solution but surface water separation is our preferred approach)	£575K	AMP9	-	PO4 PO7
WOOL.OT01.6	Test and Itchen	Woolston	System Wide	Improve the Hydraulic Model: Surveys and reverification of model to improve confidence and accuracy	£190K	AMP8	Southampton City Council	PO4 PO5 PO7 PO10
WOOL.OT01.9	Test and Itchen	Woolston	System Wide	Improve the Hydraulic Model: Surveys and reverification of model to improve confidence and accuracy	£TBC	AMP8	Southampton City Council	PO4 PO7 PO10
WOOL.WINEP01.1	Test and Itchen	Woolston	WOOLSTON SSO	Reduce the number of storm discharges from WOOLSTON SSO by a combination of SuDS and storage options	£17,020K	AMP8	-	PO4 PO5 PO7 PO14

Reference	River Basin (L2)	Wastewater System (L3)	Location	Option	Indicative Cost	Indicative Timescales	Potential Partners	Applicable Planning Objectives
WOOL.WINEP.PO2.1	Test and Itchen	Woolston	Woolston WTW	Modification of existing denitrifying membrane bioreactors (MBR) to achieve 10mg/l Total N permit (WINEP OAR 08SO104000)	£12,850K	AMP8	-	PO11
WOOL.WINEP01.2	Test and Itchen	Woolston	WOOLSTON EMO	Reduce the number of storm discharges from WOOLSTON EMO by a combination of SuDS and storage options	£49,210K	AMP11	-	PO4 PO5 PO7