



Drainage and Wastewater Management Plan

Ashlett Creek Fawley
Wastewater System Plan



from
**Southern
Water** 

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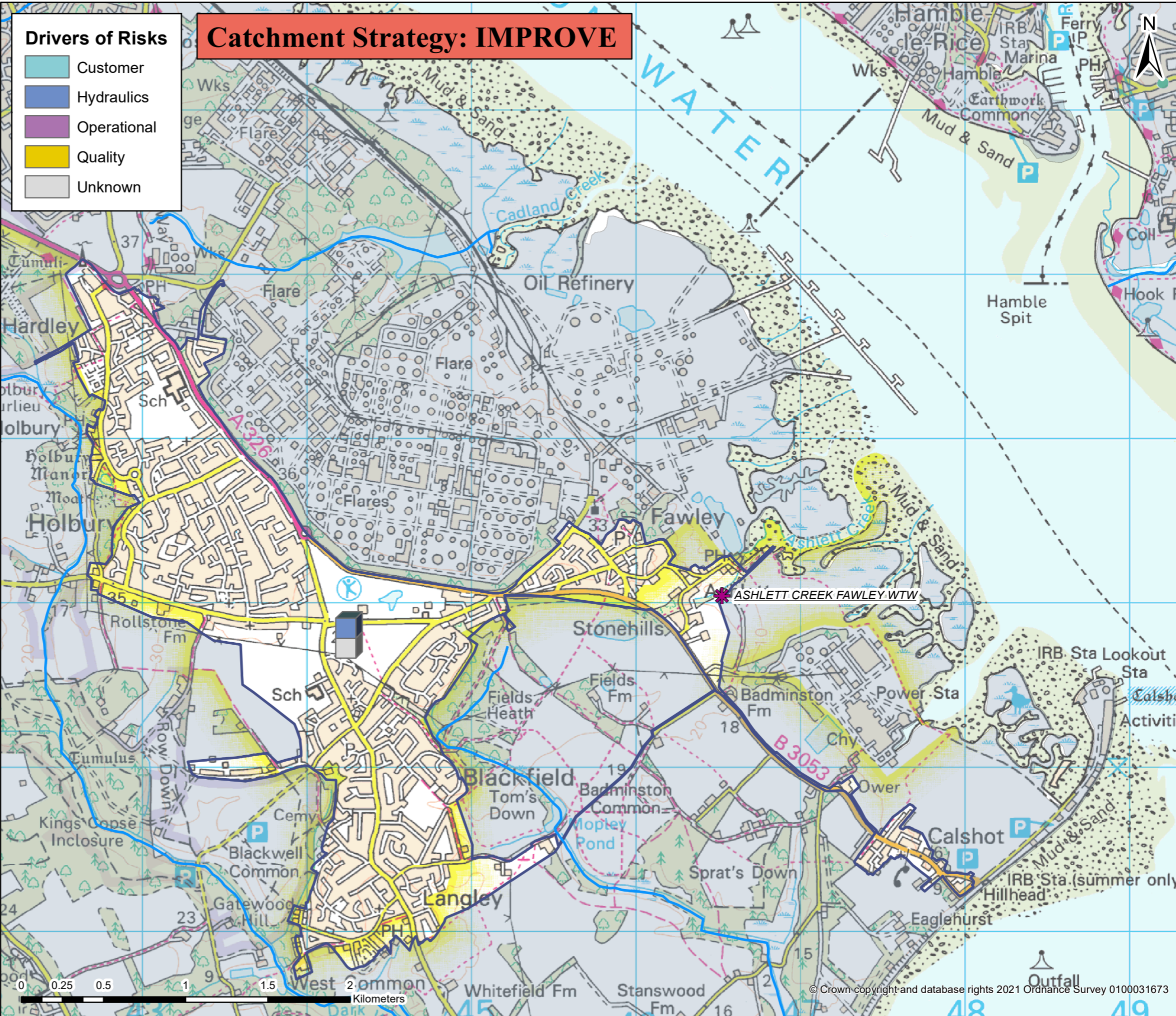
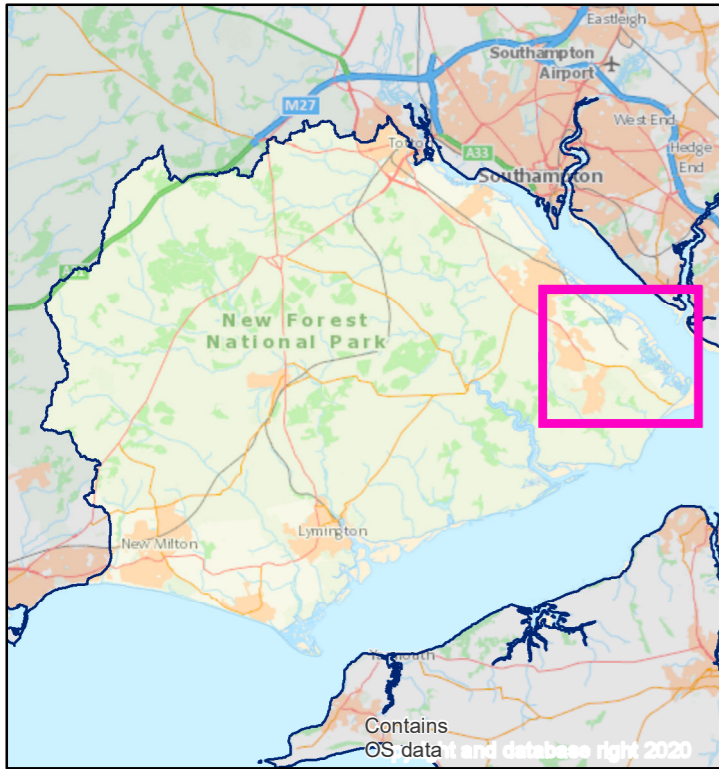
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Ashlett Creek Fawley wastewater system: map and key facts



Population Equivalent (PE)	14,544
Discharge Waterbody	Southampton Water
Number of Pumping Stations	14
Number of Overflows	3
Length of Sewer (km)	94.4
Catchment Reference	ASHL

BRAVA Results Table		
Planning Objective	2020	2050
1 Internal Sewer Flooding Risk	0	
2 Pollution Risk	0	
3 Sewer Collapse Risk	0	
4 Risk of Sewer Flooding in a 1 in 50 year storm	0	0
5 Storm Overflow performance	1	2
6 Risk of WTW Compliance Failure	0	0
7 Risk of flooding due to Hydraulic Overload	0	0
8 Dry Weather Flow Compliance	0	0
9 Good Ecological Status / Potential	0	
10 Surface Water Management	0	
11 Nutrient Neutrality	2	2
12 Groundwater Pollution	0	
13 Bathing Waters	0	
14 Shellfish Waters	1	



Problem Characterisation

Ashlett Creek Fawley (ASHL)

This document describes the causes of the risks identified by the Baseline Risk and Vulnerability Assessment (BRAVA). The BRAVA results for this wastewater system are summarised in Table 1. The results indicate that pollution and water quality are the main concerns in this wastewater catchment. We have completed risk assessments for 2050 where we have the data and tools available to do so. For the other planning objectives, we will explore how we can predict future risks for the next cycle of DWMPs. All the risk assessment methods need to be reviewed after the first DWMPs have been produced with a view to improve the methods and data for future planning cycles.

Table 1: Results of the BRAVA for Ashlett Creek Fawley wastewater system

Planning Objectives		2020	Driver	2050
1	Internal Sewer Flooding Risk	0	-	
2	Pollution Risk	0	-	
3	Sewer Collapse Risk	0	-	
4	Sewer Flooding in a 1 in 50-year storm	0	-	0
5	Storm Overflow Performance	1	Hydraulic	2
6	WTW Water Quality Compliance	0	-	0
7	Flooding due to Hydraulic Overload	0	-	0
8	WTW Dry Weather Flow Compliance	0	-	0
9	Good Ecological Status / Good Ecological Potential	0	-	
10	Surface Water Management	0	-	
11	Nutrient Neutrality	2	Unknown	2
12	Groundwater Pollution	0	-	
13	Bathing Waters	0	-	
14	Shellfish Waters	1	Unknown	

Key

BRAVA Risk Band	
NA	Not Applicable*
0	Not Significant
1	Moderately Significant
2	Very Significant

*No issues relevant to planning objective within Wastewater System

Investment Strategy

The risks identified in this wastewater system mean that we have assigned the following investment strategy:

Improve

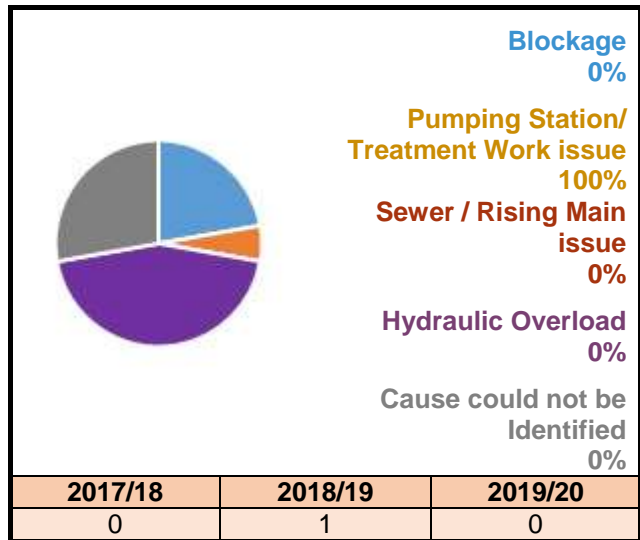
This means that we consider that the current performance of the drainage and wastewater system needs to be improved to reduce the impacts on our customers and/or the environment. We will plan investment to reduce the current risks by actively looking to invest capital funding in the short term to address current performance issues (and consider future risks when implementing improvements).



Planning Objective 1: Internal Sewer Flooding Risk

The number of internal sewer flooding incidents reported during the three years considered by the risk assessment are shown in Figure 1. The total number of connections in this wastewater system means there have been less than 1.68 incidents per 10,000 connections per year (a threshold set by Ofwat) so the risk is in the 'not significant' band.

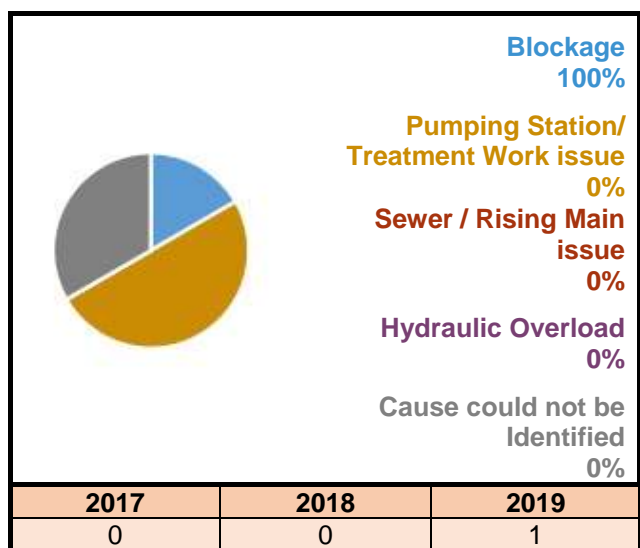
Figure 1: Number of internal flooding incidents per annum and causes



Planning Objective 2: Pollution Risk

The number of pollution incidents reported during the three years considered by the risk assessment are shown in Figure 2. The length of sewer in this wastewater system means there have been less than 24.51 incidents per 10,000km per year (a threshold set by Ofwat) so the risk is in the 'not significant' band.

Figure 2: Number of pollution incidents per annum and causes



Planning Objective 3: Sewer Collapse Risk

The number of sewer collapses reported during the three years considered by the risk assessment are shown in Table 2. The length of sewer in this wastewater system means there have been less than 5.72 incidents per 1,000km per year (a threshold set by Ofwat) so the risk is in the 'not significant' band.

Table 2: Sewer collapses and rising main bursts

Sewer Collapse	2017/18	1
	2018/19	0
	2019/20	0
Rising Main Bursts	2017/18	0
	2018/19	0
	2019/20	0

Planning Objective 4: Sewer Flooding in a 1 in 50 Year Storm

The risk of flooding in a 1 in 50 year storm is not significant in 2020 or 2050. This is because our computer model of the sewer network indicate for 2020 that approximately 40 - 50 properties within this wastewater system are in areas that could flood by water escaping from sewers.

Our wastewater networks are generally designed with capacity for up to a 1 in 30 year storm, hence flooding is expected to occur during more severe storms such as a 1 in 50 year event. Flooding will occur due to insufficient capacity of the drainage system either on the surface before it enters the drainage system, and/or from manholes, in people's homes or at a low point elsewhere in the system.

Planning Objective 5: Storm Overflow Performance

The storm overflow performance risk has been assessed as moderately significant in 2020, however network modelling results indicated that the risk will increase to very significant by 2050. Table 3 shows the overflows that discharge above the low threshold set for storm overflow discharges to Shellfish Water, Bathing Water and inland rivers.

The primary driver for the Storm Overflow Performance is 'Hydraulic.'

Table 3: Overflows exceeding discharge frequency threshold per annum

	Number of overflows		Threshold for number of discharges per annum		
	2020	2050	Low	Medium	High
Shellfish Waters	1 Medium	1 High	Less than 8	Between 8-10	10 or more
Bathing Waters	0 Medium	1 High	Less than 3	Between 3-10	10 or more
Freshwater	0 Medium	0 Medium	Less than 20	Between 20-40	40 or more

Planning Objective 6: Wastewater Treatment Works Water Quality Compliance

The risk of non-compliance with our wastewater quality permit has been assessed as not significant for both 2020 and 2050. This is because the wastewater treatment works has no record of compliance failure during the last three years (2018-2020).

Planning Objective 7: Flooding due to Hydraulic Overload

Our initial assessment is that flooding from hydraulic overload is not significant in this wastewater catchment for both 2020 and 2050. We will use a hydraulic model of the wastewater system to determine if this catchment is at risk for Hydraulic Overload across the various storm events, and update this risk assessment accordingly for the next cycle of DWMPs.

Planning Objective 8: Wastewater Treatment Works Dry Weather Flow Compliance

The risk of Wastewater Treatment Works Dry Weather Flow (DWF) Compliance is not significant for both 2020 and 2050. This is because the average annual DWF for 2017, 2018 and 2019 has been below 80% of the current permit. The predicted DWF in 2050 is also expected to remain below 80% of the current permit, shown in Figure 3.

Figure 3: Recorded and predicted dry weather flow with existing permit



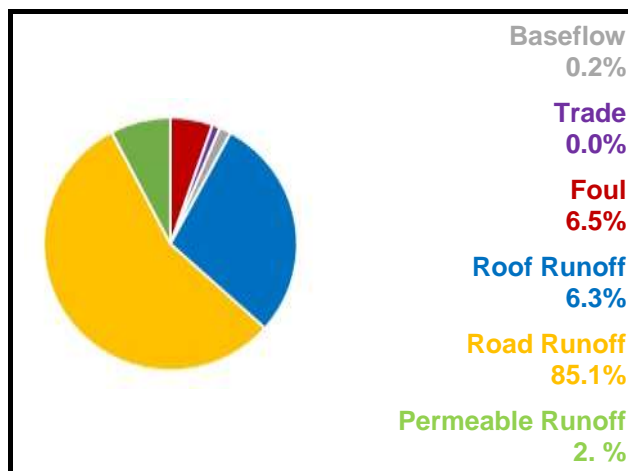
Planning Objective 9: Good Ecological Status / Good Ecological Potential

This wastewater system is not hydraulically linked to a waterbody where wastewater operations are contributing to not achieving GES/GEP, therefore the risk is not significant.

Planning Objective 10: Surface Water Management

Figure 4 illustrates the sources of water flowing in the wastewater system during a 1 in 20 year storm. It shows that surface water runoff from roofs, road and permeable surfaces constitutes more than 93.4% of the flow in the sewers. The total contribution of foul water from homes is 6.5%. The baseflow is infiltration from water in the ground and makes up 0.2% of the flow in the system.

Figure 4: Sources of water flowing in sewers during a 1 in 20 year storm



Planning Objective 11: Nutrient Neutrality

The risk to internationally designated habitat sites from this wastewater system is very significant in 2020 and 2050. This is because Natural England have advised that there is a risk to condition for the habitat sites that are hydraulically linked to our wastewater system, listed in Table 4.

Table 4: Habitat Sites hydraulically linked to wastewater system

Habitat Sites	
Solent and Dorset Coast	Phosphate and Nitrate permit review required
Solent & Southampton Water	No Threat/Remedy Identified or Anticipated
Solent Maritime	Phosphate and Nitrate permit review required

Planning Objective 12: Groundwater Pollution

The risk of Groundwater Pollution is not significant. This is because the wastewater network in this wastewater system does not overlap with any groundwater Source Protection Zones (SPZ) used for water supply.

Planning Objective 13: Bathing Waters

The designated bathing waters that could be affected by discharges from this wastewater system are shown in Table 5, along with the current classification from the Environment Agency. The risks from this wastewater system on these bathing waters is not significant. This is because all the designated bathing waters affected by this wastewater system have passed annual inspections..

Table 5: Bathing Water annual results

Bathing Waters	Annual Results		
	2017	2018	2019
Calshot	Excellent	Excellent	Excellent
Lepe	Excellent	Excellent	Excellent

Planning Objective 14: Shellfish Waters

The discharges from this wastewater system can affect the designated shellfish waters shown in Table 6. The risk of not achieving the faecal standards for shellfish in these designated waters from this wastewater system is moderately significant. This is because the CEFAS classification for the shellfish waters is Long Term Class B.

Table 6: Shellfish Waters linked to wastewater system

Shellfish Waters
Approaches To Southampton Water

Generic Options Assessment for: Ashlett Creek Fawley (ASHL)



Planning Objectives		2020	Driver	2050	Type of Measures	Generic Option Categories	Icon	Take Forward?	Reasons	Examples of Generic Options
PO1	Internal Flooding	0	-	-	Source (Demand) Measures (to reduce likelihood)	Control / Reduce surface water run-off		Y	-	Natural Flood Management; rural land management and catchment management; SuDS including blue and green infrastructure; storm management
PO2	Pollution Risk	0	-	-		Reduce groundwater levels		N	None of the significant risks in this catchment are caused by high groundwater levels. Hence reducing groundwater levels will not impact any of the risks in this catchment.	Reduce leakage from water supply pipes; pump away schemes to locally lower groundwater near sewer network
PO3	Sewer Collapse	0	-	-		Improve quality of wastewater		N	None of the significant risks are caused by the quality of wastewater entering the wastewater system.	Domestic and business customer education; incentives and behaviour change (reduce Fats, Oils & Grease, wet wipes etc.); monitoring trade waste at source; on-site black water and/or greywater pre-treatment
PO4	Risk of Sewer Flooding in 1 in 50 yr	0	-	0		Reduce the quantity / demand		N	None of the significant risks are caused by too much foul wastewater entering our systems from homes and businesses.	Water efficient appliances; water efficient measures; blackwater and/or greywater re-use; treatment at source
PO5	Storm Overflow Performance	1	Hydraulic	2	Pathway (Supply) Measures (to reduce likelihood)	Network Improvements		Y	-	Asset optimisation; additional network capacity; storage; separate flows; structural repairs; re-line sewer pipe and manholes; smart networks.
PO6	Risk of WTW Compliance Failure	0	-	0		Improve Treatment Quality		Y	-	Increase treatment capacity; rationalisation of treatment works (centralisation / de-centralisation); install tertiary plant; UV plant or disinfection facilities; innovation; improve Technical Achievable Limits; new WTWs
PO7	Annualised Flood Risk/Hydraulic Overload	0	-	0		Wastewater Transfer to treatment elsewhere		N	The causes of risk are not due to where our systems discharge to the environment or our ability to increase the capacity to connect more homes. Transferring wastewater for treatment elsewhere will not reduce any of the significant risks in this catchment.	Transfer flow to other network or treatment sites; transport sewage by tanker to other sites
PO8	DWF Compliance	0	-	0	Receptor Measures (to reduce consequences)	Mitigate impacts on Air Quality		N/A	Not included in first round of DWMPs	Carbon offsetting; noise suppression /filtering; odour control and treatments
PO9	Achieve Good Ecological Status	0	-	-		Improve Land and Soils		N/A	Not included in first round of DWMPs	Sludge soil enhancement
PO10	Improve Surface Water Management	0	-	-		Mitigate impacts on receiving waters		Y	-	River enhancement, aeration
PO11	Secure Nutrient Neutrality	2	Unknown	2		Reduce impact on properties		Y	-	Property flood resilience; non-return valves; flood guards / doors; air brick covers
PO12	Reduce Groundwater Pollution	0	-	-	Other	Study / Investigation		Y	-	Additional data required; hydraulic model development; WQ monitoring and modelling
PO13	Improve Bathing Water Quality	0	-	-						
PO14	Improve Shellfish Water Quality	1	Unknown	-						

Ashlett Creek Fawley Wastewater System - Outline Options Appraisal

Generic Option	Location of Risk	Planning Objective and Description of Risk	Option Reference	Description	Further Description	Unconstrained Option?	Constrained Option?	Feasible Option?	Net Benefits	Estimated Cost	Preferred Option	Best value / Least cost or Reasons for Rejection
Control/ Reduce surface water entering the sewers	Along route of A326 highways corridor	PO5 - Hydraulic Drivers	ASHL.SC01.1	Surface Water Separation	Study / Investigation: Identify suitable location/s for surface water separation along route of A326, partnering with NFs recreational mitigation project (update hydraulic model) Removal of connected surface water into the sewer in partnership with Hampshire Highways, during the A326 highways corridor improvements.	Yes	Yes	Yes	Moderate Positive ++	£TBC - With Partners	No	Best Value
Control/ Reduce surface water entering the sewers	Catchment Wide / L4	PO5 - Hydraulic Drivers	ASHL.SC01.2	Surface Water Separation	Removal of connected surface water into the sewer network at source.	No						Deliver the required outcome
Control/ Reduce surface water entering the sewers	Northwest of Catchment / Springfield Avenue	PO5 - Hydraulic Drivers	ASHL.SC01.3	Changes in Rural Land Drainage	Council naturalisation project at the north west of the catchment/Springfield Avenue.	No						Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Northwest of Catchment / Springfield Avenue	PO5 - Hydraulic Drivers	ASHL.SC01.4	Natural Flood Management	Council naturalisation project at the north west of the catchment/Springfield Avenue.	No						Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Catchment Wide / L4	PO5 - Hydraulic Drivers	ASHL.SC01.5	Changes in Rural Land Drainage	Swales, sediment traps, bunds, ponds, wetland/constructed farm - areas identified using Hydraulic model.	No						Cost Effective
Control/ Reduce surface water entering the sewers	Catchment Wide / L4	PO5 - Hydraulic Drivers	ASHL.SC01.6	Natural Flood Management	Storing water by planting hedgerows and trees, slowing water through bunds/ditches/ponds, increasing soil infiltration via improved soil structure, intercepting rainfall via increased vegetation - areas identified using Hydraulic model.	No						Deliver the required outcome and Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Calshot	PO5 - Hydraulic Drivers	ASHL.SC01.7	Natural Flood Management	Opportunity to separate runoff and divert into NFMs in Calshot area.	No						Deliver the required outcome and Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Calshot	PO5 - Hydraulic Drivers	ASHL.SC01.8	Surface Water Separation	Opportunity to separate runoff and divert into NFMs in Calshot area.	No						Deliver the required outcome and Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Fawley refinery Complex	PO5 - Hydraulic Drivers	ASHL.SC01.9	Surface Water Separation	Opportunity to separate runoff and SuDS at the new development at the Fawley refinery complex.	No						Deliver the required outcome and Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Fawley refinery Complex	PO5 - Hydraulic Drivers	ASHL.SC01.10	SuDS	Opportunity to separate runoff and SuDS at the new development at the Fawley refinery complex.	No						Deliver the required outcome and Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Catchment Wide/ L4	PO5 - Hydraulic Drivers	ASHL.SC01.11	Rain Water harvesting	Collect rainwater from roofs and other paved surfaces for use on site.	No						Cost Effective, Deliver the required outcome, Environmental risk mitigatable and Risk and uncertainty - future resilience
Control/ Reduce surface water entering the sewers	Catchment Wide / L4	PO5 - Hydraulic Drivers	ASHL.SC01.12	SuDS	Installation of SuDS - areas identified using Hydraulic model.	No						Deliver the required outcome
Control / Reduce groundwater infiltration												
Improve quality of wastewater entering sewers (inc reducing FOG, RAG, pre-treatment, trade waste)												
Control / Reduce the quantity / flow of wastewater entering sewer system												
Network Improvements (eg increase capacity, storage, conveyance)	Catchment Wide	PO5 - Hydraulic Drivers PO14 - Shellfish Waters	ASHL.PW01.1	Additional Storage Capacity	Construction of online/offline storage as stipulated point across the catchment, as outlines in the hydraulic model - using DAP results.	No						Do customer support it
Network Improvements (eg increase capacity, storage, conveyance)	Catchment Wide	PO5 - Hydraulic Drivers PO14 - Shellfish Waters	ASHL.PW01.2	Additional Conveyance Capacity	Based on results of hydraulic model (option PENN.	No						Environmental risk mitigatable
Network Improvements (eg increase capacity, storage, conveyance)	Catchment Wide	PO5 - Hydraulic Drivers PO14 - Shellfish Waters	ASHL.PW01.3	Separate Flows (WFL-H)	Construction of new surface water sewers to channel excess flow away from combined/foul sewers, instead utilising water to assist in capture of further water for WFL-H project.	No						Deliver the required outcome and Risk and uncertainty - future resilience
Improve treatment (capacity and quality at existing works or develop new WTWs)	Ashlett Creek Fawley WTW	PO11 - Nutrient Neutrality	ASHL.PW02.1	Install P removal tertiary plant	Remove more P from final effluent, past the currently allowed 1Mg/L permitted rate.	No						Risk and uncertainty - future resilience
Improve treatment (capacity and quality at existing works or develop new WTWs)	Ashlett Creek Fawley WTW	PO11 - Nutrient Neutrality	ASHL.PW02.2	Install N removal tertiary plant	Currently no Nitrate permit, although there is an Ammonia permit.	No						Risk and uncertainty - future resilience
Improve treatment (capacity and quality at existing works or develop new WTWs)	Ashlett Creek Fawley WTW	PO11 - Nutrient Neutrality PO14 - Shellfish Waters	ASHL.PW02.3	Install UV removal tertiary plant	Install to remove from final effluent.	No						Cost Effective and Risk and uncertainty - future resilience
Wastewater Transfer												
Mitigate impacts on Air Quality (e.g. Carbon neutrality, noise, odour)												Not included in the first round of DWMPs
Improve Land and Soils												Not included in the first round of DWMPs
Mitigate impacts on Water Quality	Ashlett Creek Fawley WTW	PO11 - Nutrient Neutrality	ASHL.RC03.1	Catchment permits	Reduce consented permit levels for nutrients and solids in the final effluent from treatment works.	No						Deliver the required outcome
Mitigate impacts on Water Quality	Ashlett Creek Fawley WTW	PO11 - Nutrient Neutrality	ASHL.RC03.2	Effluent re-use	Re-use of effluent from site - pumping of this effluent to potable process treatment works.	No						Cost Effective
Reduce consequences Properties (e.g. Property Flood Resilience)												
Study/ investigation to gather more data	Calshot	PO5 - Hydraulic Drivers PO11 - Nutrient Neutrality PO14 - Improve Shellfish Water Quality	ASHL.OT01.1	Further Study/Investigation	Model cause of spill at WPS and MH at Calshot.	Yes	No					Environmental - Strategic Environmental Assessment
Study/ investigation to gather more data	Catchment Wide	PO5 - Hydraulic Drivers PO11 - Nutrient Neutrality PO14 - Improve Shellfish Water Quality	ASHL.OT01.2	Further Study/Investigation	Further Study/Investigation - Identifying ideal locations to separate foul and surface water systems, after updating of hydraulic model.	Yes	No					Environmental - Strategic Environmental Assessment

Ashlett Creek Fawley Wastewater System - Outline Options Appraisal

Generic Option	Location of Risk	Planning Objective and Description of Risk	Option Reference	Description	Further Description	Unconstrained Option?	Constrained Option?	Feasible Option?	Net Benefits	Estimated Cost	Preferred Option	Best value / Least cost or Reasons for Rejection
Study/ investigation to gather more data	Solent and Dorset Coast Solent & Southampton Water Solent Maritime	PO11 - Nutrient Neutrality	ASHL.OT01.3	Nutrient Budget	Study / Investigation: Develop a nutrient budget and investigate the risks and sources impacting these named Habitat sites Study / Investigation required to understand the impact of wastewater discharges and achieve or prevent deterioration from Natural England's revised Common Standards Monitoring Guidance (rCSMG) targets Total Phosphorus (TP) and Total Nitrogen (TN).	Yes	Yes	Yes	Minor Positive +	£75K	Yes	Best Value
Study/ investigation to gather more data	Ashlett Creek Fawley WTW CSO	PO5 - High Spilling CSOs PO14 - Shellfish Waters	ASHL.OT01.4	Further Study/Investigation	Surface water separation to reduce spills from Ashlett Creek Fawley storm overflow.	Yes	Yes	Yes	Major Positive +++	£1,000K	Yes	Best Value
Study/ investigation to gather more data	Approaches To Southampton Water	PO14- Shellfish Water Quality	ASHL.OT01.5	Shellfish Study-Overflows discharging to Shellfish waters	Study / Investigation: Shellfish water study.	Yes	Yes	Yes	Minor Positive +	£TBC - With Partners	Yes	Best Value
Study/ investigation to gather more data	Catchment Wide	PO5- Storm Overflow	ASHL.OT01.6	Improve Hydraulic Model	Study / Investigation: Update and re-verify the Ashlett Creek Fawley Hydraulic Model to improve model confidence.	Yes	Yes	Yes	Minor Positive +	£250K	Yes	Best Value
Study/ investigation to gather more data	Fawley refinery complex	PO5- Storm Overflow	ASHL.OT01.7	Further Study/Investigation	Study / Investigation: Identify suitable location/s for surface water separation in the Fawley refinery complex.	Yes	Yes	Yes	Minor Positive +	£TBC - With Partners	Yes	Best Value

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

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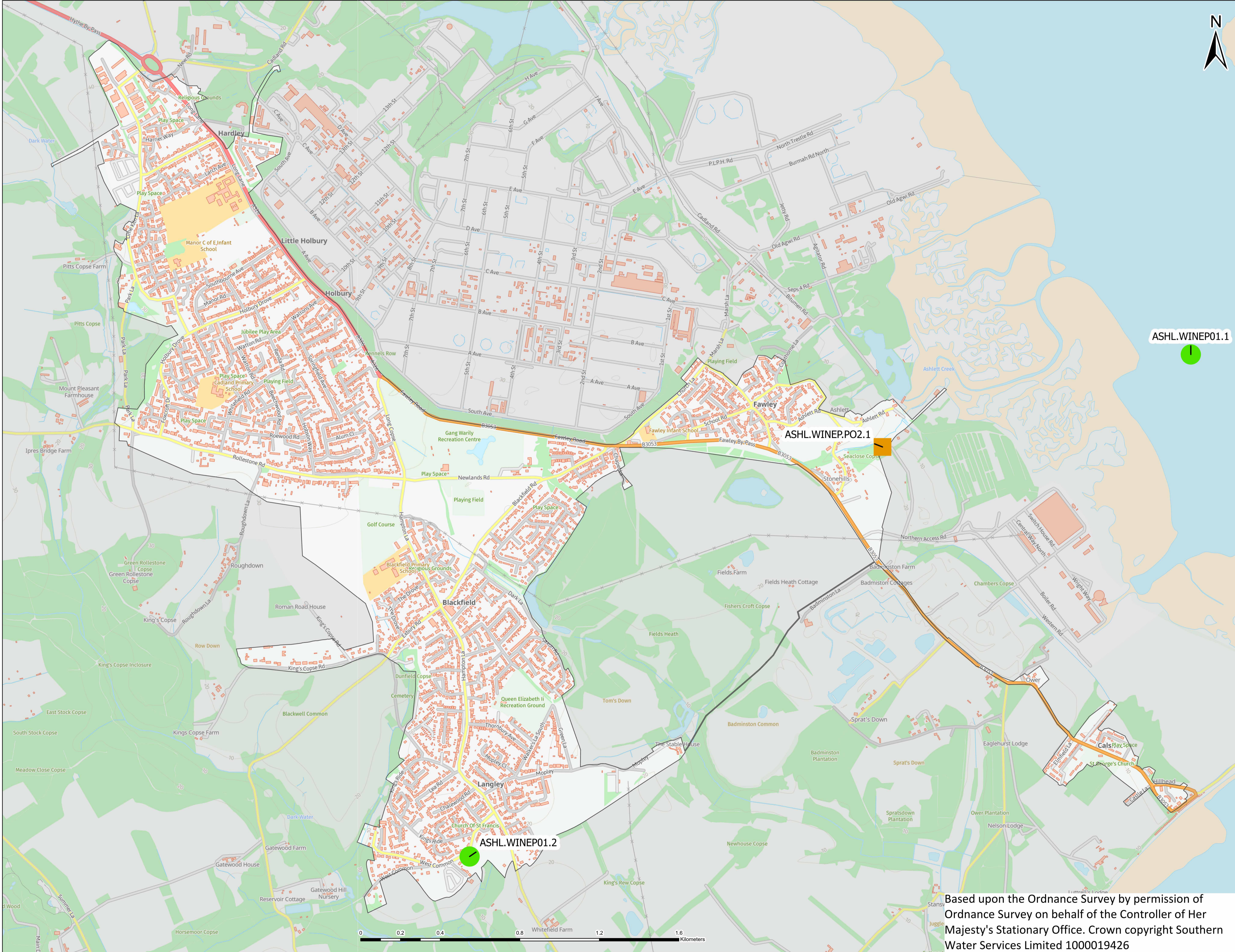
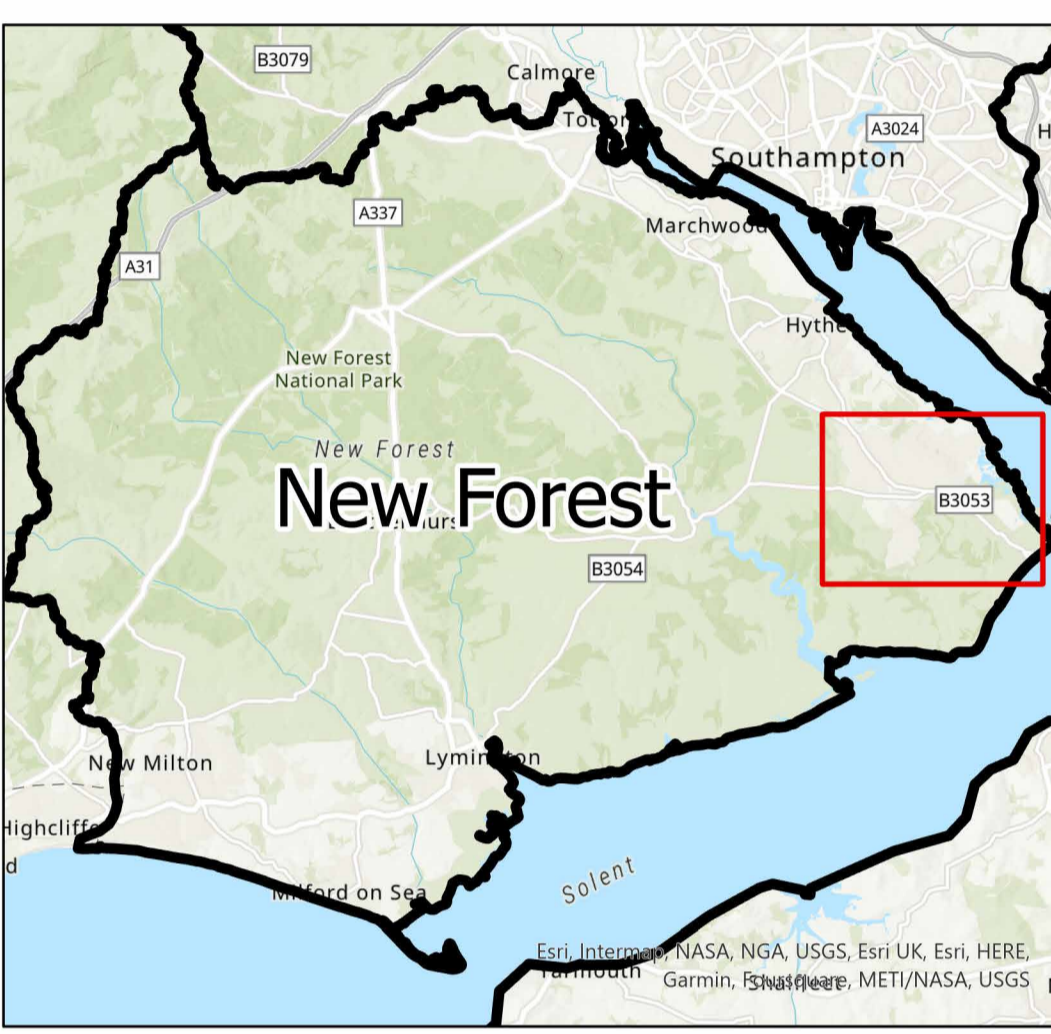
Reference	River Basin (L2)	Wastewater System (L3)	Location	Option	Indicative Cost	Indicative Timescales	Potential Partners	Applicable Planning Objectives
New Forest								
Ashlett Creek Fawley								
ASHL.OT01.5	New Forest	Ashlett Creek Fawley	Approaches To Southampton Water	Study / Investigation: Shellfish water study	£TBC	AMP8	-	PO14
ASHL.OT01.6	New Forest	Ashlett Creek Fawley	System Wide	Improve the Hydraulic Model: Surveys and reverification of model to improve confidence and accuracy	£250K	AMP8	New Forest District Council New Forest National Park Authority	PO5
ASHL.WINEP01.1	New Forest	Ashlett Creek Fawley	ASHLETT CREEK FAWLEY SSO	Reduce the number of storm discharges from ASHLETT CREEK FAWLEY SSO by creating below-ground storage	£575K	AMP8	-	PO5 PO14
ASHL.WINEP01.2	New Forest	Ashlett Creek Fawley	WEST COMMON FAWLEY CEO	Reduce the number of storm discharges from WEST COMMON FAWLEY CEO by a combination of SuDS and storage options	£2,810K	AMP12	-	PO4 PO5
ASHL.WINEP.PO2.1	New Forest	Ashlett Creek Fawley	Ashlett Creek Fawley WTW	Provision of additional biological treatment capacity and provision of denitrification capacity to achieve 10mg/l Total Nitrogen permit (WINEP action 08SO103967)	£21,951K	AMP8	-	PO11

Drainage and Wastewater Management Plan: Location of Potential Options ASHLETT CREEK FAWLEY

Wastewater system in New Forest River Basin Catchment



(i) This map should be read in conjunction with the list of Investment Needs for this wastewater system
 (ii) The areas shown on this map are the potential locations for the options. The location of the risk may be elsewhere in the system.
 (iii) Labels for each location are the option references in the list of Investment Needs
 (iv) Drainage Area Plan (DAP) options on flooding and growth are not shown.



- Customer Education
- Pipe Rehabilitation
- Asset Resilience
- Wastewater Treatment
- WINEP Nutrient Neutrality
- WINEP Storm Overflows

ASHL.WINEP01.1

ASHL.WINEP02.1

ASHL.WINEP01.2

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