Romsey Wastewate	er System - Out											
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	Catchment Wide	PO1, PO7 - Hydraulic	ROMS.SC01.1	Natural Flood Management	Study / Investigation: Identify suitable location/s for flood alleviation schemes in the Romsey catchment (update hydraulic model) Flood alleviation schemes are being built around	Yes	Yes	Yes	Moderate Positive ++	£TBC - With Partners	No	Best Value
Control/ Reduce surface water entering the sewers	New Developments	PO1, PO7 - Hydraulic	ROMS.SC01.2	SuDS	Romsey. Study / Investigation: Identify with partners and developers suitable location/s to construct SuDS within new developments in the Romsey catchment, for example, on the Ashfield Estate.	Yes	Yes	Yes	Moderate Positive ++	£TBC - With Partners	No	Best Value
Control/ Reduce surface water entering the sewers	Catchment Wide	PO1, PO7 - Hydraulic	ROMS.SC01.3	Rain Water Harvesting	Study / Investigation: Identify suitable location/s for surface water separation in the Romsey catchment to aid potable water supply issue concerns in the catchment/region (update hydraulic model) Utilising the excess levels of surface water for water supply.	Yes	Yes	Yes	Moderate Positive ++	£TBC - With Partners	No	Best Value
Control / Reduce groundwater infiltration												
mprove quality of wastewater entering sewers (increducing FOG, RAG, pre-treatment, trade waste)	Romsey	PO1- Internal Flooding	ROMS.SC03.1	Customer Education Programme	Enahnced Customer Education Programme to prevent blockages Linking with the 'FOG' Team.	Yes	Yes	Yes	Minor Positive +	£115K	Yes	Best Value
Control / Reduce the quantity / flow of wastewater entering sewer system												
Network Improvements (eg increase capacity, storage, conveyance)	Romsey	PO1- Internal Flooding	ROMS.PW01.1	Jetting Programme	Enhanced Maintenance: Review and enhance jetting programme of the pipe network in this location to maximise the capacity of the network for rainfall.	Yes	Yes	Yes	Minor Positive +	£90K	Yes	Best Value
Network Improvements (eg increase capacity, storage, conveyance)	Catchment Wide	PO1 and PO7 - Hydraulic Flooding	ROMS.PW01.2	Pipe Rehabilitation Programme	Study / Investigation: Identify suitable location/s for sewer relining to prevent groundwater infiltration in the Romsey catchment (update hydraulic model).	Yes	Yes	Yes	Minor Positive +	£TBC - With Partners	No	Best Value
Network Improvements eg increase capacity, storage, conveyance)	SouthWest of Catchment	PO1 and PO7 - Hydraulic Flooding	ROMS.PW01.3	Additional Conveyance Capacity - Rising main upgrades	Enhanced maintenance: Review operation and maintenance of Rising Mains close to the River Test in the southwest of the catchment - potential for high scale pollution incidents.	Yes	Yes	Yes	Minor Positive +	£TBC - With Partners	No	Best Value
Improve treatment (capacity and quality at existing works or develop new WTWs)	ROMSEY WTW	PO6 (2050)- WTW compliance	ROMS.PW02.1	Increase Capacity	Diameter of settlement tanks required- PST at 4.	Yes	Yes	Yes	Minor Positive +	£2,010K	Yes	Best Value
mprove treatment capacity and quality at existing works or develop new WTWs)	ROMSEY WTW	PO11 - Nutrient Neutrality	ROMS.PW02.2	Install UV removal tertiary plant	Installlation of UV removal tertiary treatment at Romsey WTW.	Yes	Yes	Yes	Minor Positive +	£TBC - With Partners	Yes	Best Value
mprove treatment capacity and quality at existing works or develop new WTWs)	ROMSEY WTW	PO6 (2050)- WTW compliance	ROMS.PW02.3	Optimisation of treatment process	Develop scheme to upsize mains and change the outfall for the works.	No						Risk and uncertainty - future resilience
Wastewater Transfer												Not included in the first round of
Mitigate impacts on Air Quality e.g. Carbon neutrality, noise, odour)												DWMPs
mprove Land and Soils												Not included in the first round of DWMPs
Mitigate impacts on Water Quality Reduce consequences Properties e.g. Property Flood Resilience)												
Study/ investigation to gather more data	Rudd Lane	PO1- Internal Flooding	ROMS.OT01.1	Investigation into causes	Further investigation to identify the cause of the internal flooding incident.	No						Cost Effective
Study/ investigation to gather more data	Solent Maritime Solent & Southampton Water Solent and Dorset Coast	PO11 - Nutrient Neutrality	ROMS.OT01.2	Nutrient Budget	Study / Investigation: Develop a nutrient budget and investigate the risks and sources impacting these named Habitat sites.	Yes	Yes	Yes	Minor Positive +	£75K	Yes	Best Value
Study/ investigation to gather more data	Catchment Wide? Overflow Locations	PO1 - Internal Flooding PO7- Hydraulic Overload	ROMS.OT01.3	Improve Hydraulic Model	Study / Investigation: Update and re-verify the	Yes	Yes	Yes	Minor Positive +	£300K	Yes	Best Value