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Norwich to Tilbury

Volume 6: Environmental Statement

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Hydrology, Land Drainage and Flood Risk Baseline Data -
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12. Hydrology, Land Drainage and Flood Risk Baseline

12.1 Introduction

- 12.1.1 This appendix has been produced to support Chapter 12: Hydrology, Land Drainage and Flood Risk (document reference 6.12) (Revision B) of the Environment Statement (ES) (Volume 6 of the Development Consent Order (DCO) application) for Norwich to Tilbury (the 'Project'). It sets out the Hydrology, Land Drainage and Flood Risk baseline relevant to the Project regarding surface water discharges and abstractions. Only active discharges and abstractions have been included. This appendix also includes a summary of Water Framework Directive (WFD) data for the WFD waterbodies in each section of the Project.
- 12.1.2 The Project has also been sub-divided into eight geographical sections for reader accessibility, based largely on Local Planning Authority boundaries. These are shown on Figure 1.1: Site Location Plan and Project Sections (document reference 6.1.F1) and comprise:
- Section A - South Norfolk Council
 - Section B - Mid Suffolk District Council
 - Section C - Babergh District Council, Colchester City Council and Tendring District Council
 - Section D - Colchester City Council
 - Section E - Braintree District Council
 - Section F - Chelmsford City Council and Brentwood District Council
 - Section G - Basildon Borough Council and Brentwood Borough Council (and part of Chelmsford City Council)
 - Section H - Thurrock Council
- 12.1.3 Receptors reported within this document are reported with reference to the Project Section in which they are located

12.2 Surface Water Discharges

- 12.2.1 Existing consented discharges to surface water have been obtained from the Environment Agency¹ (January 2024). The information on active discharges is presented in Table A12.1.1 below. The locations are shown on Figure 12.1: Study Area and Water Environment Features (document reference 6.12.F1).

¹ <https://environment.data.gov.uk/public-register/view/search-water-discharge-consents>

Table A12.1.1 Existing consented surface water discharges

Project Section	Consent No.	Discharge Type	Receiving Watercourse
A	AN/PRENF11559/001	Domestic property (single) (incl. farm house)	River Tas
A	AN/PRELF20038/002	Wastewater Treatment Works (WwTW) (not water co) (not Sewage Treatment Plant (STP) at a private premises)	River Tas
A	AN/AW4NF396X/002	WwTW/Sewage Treatment Works (water company)	River Tas
A	AN/PRENF15071/001	Domestic property (single) (incl. farm house)	Unnamed ditch/River Tas tributary
A	AN/PR4NF616X/003	WwTW/Sewage Treatment Works (water company)	Unnamed ditch/River Tas tributary
A	AN/EPRAB3290VF/001	Education/Nursery/School/College/Uni/ Training Venue	Frenze Beck tributary
A	AN/EPRBP3529XF/001	Holiday Accom/Camp Site/Caravan Site/Hotel/Hostel	Unnamed ditch/Frenze Beck tributary
A	AN/PRENF00040/002	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPRXB3738AT/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPRWB3190RL/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPREB3599VE/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/PRENF08567/001	Domestic property (multiple) (incl. farm houses)	Frenze Beck tributary
A	AN/EPRFB3894RK/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPRFB3894VC/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPRFB3894WZ/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPRFB3895AW/0 01	Domestic property (single) (incl. farm house)	Frenze Beck tributary

Project Section	Consent No.	Discharge Type	Receiving Watercourse
A	AN/EPRFB3895EY/001	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/PRENF8485/002	Domestic property (single) (incl. farm house)	Frenze Beck tributary
A	AN/EPRKB3195VU/001	Domestic property (multiple) (incl. farm houses)	Frenze Beck tributary
B	AN/PR4LF74102/002	Domestic property (single) (incl. farm house)	Upper Waveney tributary
B	AN/PRENF13116/001	WwTW (not water co) (not STP at a private premises)	Upper Waveney tributary
B	AN/ASCNF107/001	WwTW/Sewage Treatment Works (water company)	Upper Waveney tributary
B	AN/AW4NF899X/001	WwTW/Sewage Treatment Works (water company)	Upper Waveney tributary
B	AN/AW4NF221X/008	WwTW/Sewage Treatment Works (water company)	River Dove tributary
B	AN/PRENF20952/001	Domestic property (single) (incl. farm house)	River Dove tributary
B	AN/PRELF02113/002	Domestic property (single) (incl. farm house)	River Dove tributary
B	AN/EPRTB3634AR/001	Domestic property (single) (incl. farm house)	River Dove tributary
B	AN/EPRSB3999DR/001	Domestic property (single) (incl. farm house)	River Gipping tributary
B	AN/EPRSB3996WK/001	Domestic property (single) (incl. farm house)	River Gipping tributary
B	AN/PRELF16682/001	Farms (not house)/Crop + Animal Rearing/Plant Nursery	River Gipping tributary
B	AN/EPRFB3290AR/001	Domestic property (single) (incl. farm house)	River Gipping tributary
B	AN/AW4NF851X/001	Pumping Station on Sewerage Network (water company)	Wattisham Watercourse tributary
B	AN/PRELF16709/002	WwTW (not water co) (not STP at a private premises)	Somersham Watercourse tributary

Project Section	Consent No.	Discharge Type	Receiving Watercourse
B	AN/PRENF20182/001	WwTW (not water co) (not STP at a private premises)	Somersham Watercourse tributary
B	AN/EPRSB3695RR/001	Education/Nursery/School/College/Uni/ Training Venue	Somersham Watercourse tributary
B	AN/AW4NF1088X/001	WwTW/Sewage Treatment Works (water company)	The Channel
B	AN/AW4NF150B/004	WwTW/Sewage Treatment Works (water company)	The Channel
B	AN/PRENF08702/001	Domestic property (single) (incl. farm house)	Belstead Brook tributary
C	AN/PRENF16868/001	Domestic property (multiple) (incl farm houses)	Belstead Brook tributary
C	AN/PR4LF470/001	Domestic property (single) (incl. farm house)	Belstead Brook tributary
C	AN/PR4NF1268/001	Domestic property (single) (incl. farm house)	Belstead Brook tributary
C	AN/PR4NF817AX/001	Domestic property (single) (incl. farm house)	Belstead Brook tributary
C	AN/PR4NF1462/001	Domestic property (single) (incl. farm house)	Spring Brook
C	AN/EPRTB3092AT/001	Domestic property (single) (incl. farm house)	Spring Brook tributary
C	AN/PRENF20833/001	WwTW (not water co) (not STP at a private premises)	Unnamed watercourse
C	AN/EPREB3197VL/001	Domestic property (single) (incl. farm house)	Unnamed watercourse
C	AN/EPRDP3922GN/001	Holiday Accom/Camp Site/Caravan Site/Hotel/Hostel	Stutton Brook tributary
C	AN/PRENF16842/001	WwTW (not water co) (not STP at a private premises)	Stutton Brook tributary
C	AN/EPRRB3094AF/001	Domestic property (single) (incl farm house)	Stutton Brook tributary
C	AN/EPRYB3393WD/001	Domestic property (single) (incl. farm house)	River Brett

Project Section	Consent No.	Discharge Type	Receiving Watercourse
C	AN/EPRUB3990DL/001	Domestic property (single) (incl farm house)	River Brett tributary
C	AN/ASENF1116/006	WwTW/Sewage Treatment Works (water company)	Black Brook
C	AN/AW2NFE13768/001	Pumping Station on Sewerage Network (water company)	Black Brook tributary
C	AN/PR2NFE02462/001	Pumping Station on Sewerage Network (water company)	River Stour
C	AN/AW2NFE07084/001	Pumping Station on Sewerage Network (water company)	River Stour
C	AN/PRELF19033/002	Sale of Motor Vehicles/ Maintenance + Repair	Black Brook
C	AN/PRENF19334/002	WwTW (not water co) (not STP at a private premises)	Bromley Brook tributary
C	AN/EPRNB3494RK/001	Offices Admin + Support	Salary Brook tributary
C	AN/NPSWQD005565/001	Real Estate Activities/Buying/Selling/Renting	Salary Brook tributary
C	AN/PR2LFS26172/001	Domestic property (single) (incl farm house)	St Botolph's Brook tributary
C	AN/PR2LFS07778/001	Domestic property (single) (incl farm house)	St Botolph's Brook tributary
C	AN/PR2LFS03182/001	Domestic property (single) (incl farm house)	St Botolph's Brook tributary
C	AN/PR2LFS15175/001	Domestic property (single) (incl farm house)	St Botolph's Brook tributary
C	AN/PR2LFS06778/001	Domestic property (single) (incl farm house)	St Botolph's Brook tributary
C	AN/AW2NFE13768/001	Pumping Station on Sewerage Network (water company)	Black Brook tributary
C	AN/AW2NFE38166/E/001	Pumping Station on Sewerage Network (water company)	Salary Brook
C	AN/AW2NFE01482/001	Pumping Station on Sewerage Network (water company)	Salary Brook
C	AN/PRENF10521/003	Food and Beverage Services/café/Restaurant/Pub	Salary Brook

Project Section	Consent No.	Discharge Type	Receiving Watercourse
C	AN/NPSWQD005565/001	Real Estate Activities/Buying/Selling/Renting	Salary Brook
C	AN/EPRNB3494RK/00 1	Offices Admin + Support	Salary Brook
D	AN/EPRDP3820GK/002	WTW/Water Collection/Treatment/Supply	St Botolph's Brook
D	AN/EPRRB3193AF/001	Domestic property (single) (incl. farm house)	St Botolph's Brook
D	AN/PR2LFS13071/001	Domestic property (single) (incl. farm house)	St Botolph's Brook
D	AN/ASENF12332/001	Pumping Station on Sewerage Network (water company)	St Botolph's Brook
D	AN/EPRGP3023KU/001	Domestic property (single) (incl. farm house)	St Botolph's Brook
D	AN/EPRRB3192WG/001	Domestic property (single) (incl. farm house)	St Botolph's Brook
D	AN/EPRGB3490WJ/001	Domestic property (single) (incl. farm house)	Salary Brook
D	AN/EPRAB3199DT/001	Domestic property (single) (incl. farm house)	Salary Brook
D	AN/EPREB3691VB/001	Domestic property (multiple) (incl. farm houses)	Salary Brook
D	AN/EPRYB3732AJ/001	Domestic property (single) (incl. farm house)	Salary Brook
D	AN/EPRGB3090AV/001	Offices Admin + Support	Salary Brook tributary
D	AN/PRENF15973/001	Domestic property (single) (incl. farm house)	River Colne tributary
D	AN/EPRUB3295VW/001	Domestic property (single) (incl. farm house)	River Colne tributary
D	AN/ASENF12416/003	Pumping Station on Sewerage Network (water company)	River Colne
D	AN/PRENF20642/002	Farms (not house)/Crop + Animal Rearing/Plant Nursery	River Colne
D	AN/ASENF12063/005	WwTW/ Sewage Treatment Works (water company)	River Colne
D	AN/EPRBB3797NM/001	Domestic property (single) (incl farm house)	Roman River tributary

Project Section	Consent No.	Discharge Type	Receiving Watercourse
D	AN/PRENF13599/001	Making of Glass/ Ceramics/ Cement/ Cutting Stone	River Roman
D	AN/PRENF11427/001	WwTW (not water co) (not STP at a private premises)	Roman River
D	AN/PRENF15832/001	Domestic property (single) (incl. farm house)	Roman River
E	AN/AW2NF151/008	WwTW/ Sewage Treatment Works (water company)	River Blackwater
E	AN/PRENF15970/001	Domestic property (single) (incl. farm house)	River Ter tributary
E	AN/EPRWB3492AD/001	Domestic property (single) (incl farm house)	Unnamed watercourse
E	AN/EPRWB3596EH/001	Domestic property (single) (incl farm house)	Unnamed watercourse
E	AN/PR2NFE00278/002	WwTW (not water co) (not STP at a private premises)	River Ter tributary
E	AN/EPRWB3492AD/001	Domestic property (single) (incl. farm house)	River Ter tributary
E	AN/EPRWB3596EH/001	Domestic property (single) (incl. farm house)	River Ter tributary
F	AN/AW2NFE09784/001	Pumping Station on Sewerage Network (water company)	Straw Brook
F	AN/AW2NFE01368/008	WwTW/ Sewage Treatment Works (water company)	River Ter
F	AN/ASENF2200/004	Pumping Station on Sewerage Network (water company)	Straw Brook
F	AN/EPRGP3022XV/001	Domestic property (single) (incl farm house)	Unnamed watercourse
F	AN/EPRSP3221GZ/001	Domestic property (single) (incl. farm house)	River Chelmer
F	AN/PR2LFS11975/002	Sport, Amusement + Recreation/ Golf Club/ Gym/ Theme Park/ Spa	Roxwell Brook tributary
F	AN/PR2LFS11875/002	Sport, Amusement + Recreation/ Golf Club/ Gym/ Theme Park/ Spa	Chignall Brook tributary
F	AN/PR2NFE05263/001	WwTW (not water co) (not STP at a private premises)	Roxwell Brook tributary

Project Section	Consent No.	Discharge Type	Receiving Watercourse
F	AN/EPRVB3398VS/001	Domestic property (single) (incl. farm house)	Roxwell Brook tributary
F	AN/EPRRB3196NX/001	Domestic property (single) (incl. farm house)	Roxwell Brook tributary
F	AN/EPRUB3991EX/001	Domestic property (single) (incl. farm house)	Roxwell Brook tributary
F	AN/PRENF08034/004	Mineral/Gravel Extraction/ Quarrying	Roxwell Brook tributary
F	AN/ASENF2502/004	Pumping Station on Sewerage Network (water company)	Chignall Brook
F	AN/PR2NFE07663/001	Food and Beverage Services/ café/ Restaurant/ Pub	Roxwell Brook
F	AN/PRELF08358/001	Food and Beverage Services/ café/ Restaurant/ Pub	Roxwell Brook
F	AN/AW2NF276/001	Pumping Station on Sewerage Network (water company)	Roxwell Brook
F	AN/PR2NFE05479/001	Farms (not house)/ Crop + Animal Rearing/ Plant Nursery	Roxwell Brook
F	AN/PRENF03956/002	Cultural/ Zoo/ Community Centre/ Museum/ Library/ Archive	Sandy Brook
F	AN/PRENF19708/001	WwTW (not water co) (not STP at a private premises)	Sandy Brook
F	AN/PRENF08927/001	Domestic property (single) (incl. farm house)	River Wid tributary
G	AN/PRENF01076/001	Shop incl. Garden Centre/ Retail Trade (not Motor Vehicle)	River Wid tributary
G	AN/AW2NF196/001	Pumping Station on Sewerage Network (water company)	River Wid tributary
G	AN/EPRSP3022GF/001	Domestic property (multiple) (incl. farm houses)	River Wid tributary
G	AN/AW2NF152/011	WwTW/Sewage Treatment Works (water company)	River Wid
G	AN/PRENF11824/001	WwTW (not water co) (not STP at a private premises)	Stock Brook
G	AN/EPRUB3793VQ/001	Domestic property (single) (incl farm house)	Unnamed watercourse

Project Section	Consent No.	Discharge Type	Receiving Watercourse
G	AN/EPRCB3196NE/001	Domestic property (single) (incl farm house)	Unnamed watercourse
G	AN/ASENF10462/001	WwTW/ Sewage Treatment Works (water company)	River Wid
G	AN/ASENF10461/001	Pumping Station on Sewerage Network (water company)	River Wid
G	AN/ASENF12210/001	Pumping Station on Sewerage Network (water company)	River Wid
G	AN/ASENF10453/012	WwTW/ Sewage Treatment Works (water company)	River Wid
G	AN/PR2NFE04683/002	Domestic property (single) (incl. farm house)	River Wid
G	AN/PR2NF285/002	Domestic property (single) (incl. farm house)	River Crouch tributary
G	AN/EPRDP3126GX/001	Church/ Monastery/ Abbey/ Religious Retreat/ Association HQ	River Crouch tributary
G	AN/EPRDB3394NV/001	Domestic property (single) (incl. farm house)	River Crouch tributary
G	AN/PR2NFE09463/001	Holiday Accom/ Camp Site/ Caravan Site/ Hotel/ Hostel	Unnamed ditch
H	AN/PR2AF760/001	Shop incl. Garden Centre/Retail Trade (not Motor Vehicle)	Mucking Creek tributary
H	AN/PR2LF757/001	Shop incl. Garden Centre/ Retail Trade (not Motor Vehicle)	Mucking Creek tributary
H	AN/PR2AF759/001	Shop incl. Garden Centre/ Retail Trade (not Motor Vehicle)	Mucking Creek tributary
H	AN/PR2LFS02670/002	Real Estate Activities/ Buying/ Selling/ Renting	Mucking Creek tributary
H	AN/PR2LFS16366/001	Real Estate Activities/ Buying/ Selling/ Renting	Mucking Creek tributary
H	AN/PREAF01384/002	Shop incl Garden Centre/ Retail Trade (not Motor Vehicle)	Unnamed ditch assumed to drain to the East Tilbury Dock Sewer
H	AN/AW2NFE02860/001	WwTW (not water co) (not STP at a private premises)	Mucking Creek tributary

12.3 Surface Water Abstractions

12.3.1 Existing licensed abstractions from surface water sources have been provided by the Environment Agency (received October 2022). The information received is presented in Table A12.1.2. The locations are shown in Figure 12.1: Study Area and Water Environment Features (document reference 6.12.F1).

Table A12.1.2 Existing licensed surface water abstractions

Project Section	Licence No.	Purpose/Use	Source
C	8/36/15/*S/0064	Spray Irrigation - Direct	River Stour
C	AN/036/0018/003	Spray Irrigation - Direct	River Stour
C	AN/036/0018/003	Make-Up Or Top Up Water	River Stour
C	AN/036/0018/002	Spray Irrigation - Direct	River Stour
C	AN/036/0018/008	Wet Fencing and Nature Conservation	River Stour
C	8/36/18/*S/0004	Spray Irrigation - Storage	Black Brook
C	8/36/18/*S/0054	Spray Irrigation - Direct	Black Brook tributary
C	8/37/25/*S/0290	Spray Irrigation - Direct	Ardleigh Reservoir
C	8/37/25/*S/0290	Spray Irrigation - Direct	Wick Farm Reservoir
C	8/37/25/*S/0290	Make-Up Or Top Up Water	Ardleigh Reservoir
C	8/37/25/*S/0290	Spray Irrigation - Storage	Wick Farm Reservoir
C	8/37/25/*S/0290	Transfer Between Sources (Pre Water Act 2003)	Wick Farm Reservoir
C	8/36/18/*S/0004	Spray Irrigation - Direct	Black Brook
D	8/37/23/*S/0064	Spray Irrigation - Storage	Reservoir on tributary of River Colne
D	8/37/23/*S/0004	Spray Irrigation – Direct and Storage	River Colne
D	8/37/23/*S/0004	Spray Irrigation - Direct	River Colne
D	8/37/23/*S/0036	Spray Irrigation - Direct	River Colne
D	AN/037/0023/012	Spray Irrigation - Storage	River Colne
D	AN/037/0023/002/R01	Spray Irrigation - Storage	River Colne

Project Section	Licence No.	Purpose/Use	Source
E	8/37/31/*S/0221	Spray Irrigation - Storage	River Blackwater
E	8/37/31/*S/0172	Spray Irrigation - Direct	River Blackwater
E	AN/037/0031/005	Spray Irrigation - Anti Frost	River Blackwater
E	8/37/31/*S/0033	Spray Irrigation - Direct	River Blackwater
E	8/37/31/*S/0178	Spray Irrigation – Storage and Anti Frost Storage	River Blackwater
E	8/37/31/*S/0212A/R01	Spray Irrigation - Direct	River Blackwater
E	8/37/31/*S/0212A/R01	Trickle Irrigation - Direct	River Blackwater
E	AN/037/0032/003	Spray Irrigation – Direct and Storage	River Brain
F	8/37/38/*S/0030	Spray Irrigation - Direct	River Ter
F	8/37/38/*S/0030	Spray Irrigation - Direct	Straw Brook (on stream reservoir)
F	AN/037/0035/002/R01	Spray Irrigation - Storage	River Chelmer
F	8/37/34/*S/0042	Spray Irrigation - Direct	River Can
F	8/37/34/*S/0001	Spray Irrigation - Direct	Sturgeons Brook
F	8/37/34/*S/0001	Spray Irrigation - Storage	Butlers Brook
F	8/37/33/*S/0035	Spray Irrigation - Direct	Duck Pond, Coptfold Hall Farm
F	8/37/33/*S/0035	Spray Irrigation - Direct	Kingwood Pond, Coptfold Hall Farm
F	8/37/33/*S/0035	Spray Irrigation - Direct	The Lake, Coptfold Hall Farm
F	8/37/33/*S/0018	Spray Irrigation - Direct	Margaretting Hall Pond
G	8/37/33/*S/0018	Spray Irrigation - Storage	River Wid tributary
G	8/37/33/*S/0018	Spray Irrigation - Direct	River Wid
G	8/37/33/*S/0041	Spray Irrigation – Storage	River Wid tributary
H	8/37/56/*S/0085/R01	Spray Irrigation – Storage	Gobions Sewer

12.4 WFD Data

- 12.4.1 Table A12.1.3 summarises the WFD data (Environment Agency, 2023) for the WFD waterbodies within the Study Area. The WFD waterbodies are shown on Figure 12.3: Water Framework Surface Waterbody Status (document reference 6.12.F3) (Revision B).
- 12.4.2 WFD status data from 2022 is available for ecological status but for chemical status ('does not require assessment' in 2022) the most recent available data is 2019. This is applicable to WFD data presented for the whole Study Area.
- 12.4.3 The WFD waterbodies are listed under the Project Section in which their catchment first appears (from Section A to Section H), but some waterbody catchments are present in more than one of the Project Sections as shown on Figure 12.3: Water Framework Surface Waterbody Status (document reference 6.12.F3) (Revision B).

Table A12.1.3 Summary of WFD data

WFD Waterbody Name (ID)	Ecological Status	Chemical Status	Hydromorphological Designation
Section A			
Intwood Stream (GB105034051240)	Moderate	Fail	Heavily modified
Yare (Tiffey to Wensum) (GB105034051281)	Moderate	Fail	Heavily modified
Tas (Tasburgh to River Yare) (GB105034051230)	Moderate	Fail	Heavily modified
Tributary of Tas (GB105034050950)	Moderate	Fail	Heavily modified
Tas (Head to Tasburgh) (GB105034045730)	Moderate	Fail	Not designated artificial or heavily modified
Dickleburgh Stream (GB105034045850)	Moderate	Fail	Not designated artificial or heavily modified
Frenze Beck (GB105034045840)	Moderate	Fail	Not designated artificial or heavily modified
Waveney (upstream (u/s) Frenze Beck) (GB105034045820)	Moderate	Fail	Not designated artificial or heavily modified

WFD Waterbody Name (ID)	Ecological Status	Chemical Status	Hydromorphological Designation
Section B			
Tributary of Upper Waveney (GB105034045750)	Moderate	Fail	Not designated artificial or heavily modified
Little Ouse (u/s Thelnetham) (GB105033043060)	Poor	Fail	Heavily modified
Dove trib – Eye (GB105034045670)	Moderate	Fail	Not designated artificial or heavily modified
Dove trib – Finningham (GB105034045660)	Moderate	Fail	Not designated artificial or heavily modified
Mendlesham Stream (GB105034045650)	Moderate	Fail	Not designated artificial or heavily modified
Gipping (u/s Stowmarket) (GB105035046180)	Moderate	Fail	Not designated artificial or heavily modified
Jordan (East Suffolk) (GB105035046170)	Good	Fail	Not designated artificial or heavily modified
Gipping (downstream (d/s) Stowmarket) (GB105035046280)	Poor	Fail	Heavily modified
Wattisham Watercourse (GB105035040350)	Moderate	Fail	Not designated artificial or heavily modified
Somersham Watercourse* (GB105035040310)	Moderate	Fail	Heavily modified
Belstead Brook (GB105035040440)	Poor	Fail	Not designated artificial or heavily modified

WFD Waterbody Name (ID)	Ecological Status	Chemical Status	Hydromorphological Designation
Section C			
Orwell transitional waterbody (GB520503613601)	Moderate	Fail	Heavily modified
Stutton Brook (GB105036040890)	Poor	Fail	Not designated artificial or heavily modified
Brett (GB105036040930)	Moderate	Fail	Heavily modified
Stour (d/s River Brett) (GB105036041000)	Moderate	Fail	Heavily modified
Stour (Lamarsh - River Brett) (GB105036040942)	Moderate	Fail	Heavily modified
Salary Brook (GB105037041320)	Moderate	Fail	Heavily modified
Tenpenny Brook (GB105037041310)	Moderate	Fail	Heavily modified
Holland Brook (GB105037077810)	Moderate	Fail	Heavily modified
Stour transitional waterbody (GB520503613602)	Moderate	Fail	Heavily modified
Section D			
Colne (d/s Doe's Corner) (GB105037041330)	Moderate	Fail	Heavily modified
Roman River (GB105037034150)	Moderate	Fail	Heavily modified
Domsey Brook (GB105037033870)	Good	Fail	Heavily modified
Section E			
Blackwater (Combined Essex) (GB105037041160)	Moderate	Fail	Heavily modified

WFD Waterbody Name (ID)	Ecological Status	Chemical Status	Hydromorphological Designation
Brain (GB105037041140)	Moderate	Fail	Heavily modified
Ter (GB105037033940)	Moderate	Fail	Not designated artificial or heavily modified
Section F			
Chelmer (Gt. Easton - River Can) (GB105037033950)	Moderate	Fail	Heavily modified
Boreham Tributary (GB105037033910)	Good	Fail	Not designated artificial or heavily modified
Chignall Brook (GB105037033650)	Moderate	Fail	Heavily modified
Can (GB105037033840)	Poor	Fail	Not designated artificial or heavily modified
Roxwell Brook (GB105037033540)	Poor	Fail	Not designated artificial or heavily modified
Wid (Margaretting Hall - River Can) (GB105037033900)	Poor	Fail	Not designated artificial or heavily modified
Wid (Ingatestone Hall - Margaretting Hall) (GB105037028690)	Moderate	Fail	Not designated artificial or heavily modified
Section G			
Wid (Shenfield STW - Ingatestone Hall) (GB105037028670)	Moderate	Fail	Heavily modified
Wid (Doddingtonhurst Brook - Shenfield STW) (GB105037028680)	Poor	Fail	Not designated artificial or heavily modified

WFD Waterbody Name (ID)	Ecological Status	Chemical Status	Hydromorphological Designation
Haverings Grove Brook (GB105037028650)	Moderate	Fail	Heavily modified
Crouch (Upper) - u/s A129 (GB105037028500)	Moderate	Fail	Not designated artificial or heavily modified
Mardyke (East Tributary) (GB106037028070)	Moderate	Fail	Heavily modified
Section H			
Mardyke (GB106037028200)	Moderate	Fail	Heavily modified
Thames Middle (GB530603911402)	Moderate	Fail	Heavily modified

**WFD waterbody name is Somersham watercourse, also referred to as The Channel*

Abbreviations

Abbreviation	Full Reference
ES	Environment Statement
DCO	Development Consent Order
STP	Sewage Treatment Plant
WFD	Water Framework Directive
WwTW	Wastewater Treatment Works

Glossary

Term	Definition
Development Consent Order	A statutory instrument which grants consents and other rights to build a Nationally Significant Infrastructure Project, as defined by the Planning Act 2008.
Environmental Statement (ES)	The main output from the EIA process, an ES is the report required to accompany an application for development consent (under the Infrastructure Planning (EIA) Regulations 2017) to inform public and stakeholder consultation and the decision on whether a project should be allowed to proceed. The EIA Regulations set out specific requirements for the contents of an ES for Nationally Significant Infrastructure Projects.
Project Section	Geographical 'sections' have been identified that break the Project down into smaller units for ease of description within the documentation. These Project Sections are broken down into eight sections based largely on Local Planning Authority boundaries.
Water Framework Directive	The Water Framework Directive (2000/60/EC) commits European Union member states to achieve good qualitative and quantitative status of all water bodies. It is transposed into law in England and Wales via The Water Environment (Water Framework Directive) (England and Wales) 2017 Regulations, which were retained via the European Union (Withdrawal) Act 2018.

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