Annual Environmental Report

2020

Courtmacsherry

D0294-02

CONTENTS

7.1 AMBIENT MONITORING SUMMARY

7.2 STORM WATER OVERFLOW IDENTIFICATION AND INPECTION REPORT

7.3 OTHER

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER

This Annual Environmental Report has been prepared for D0294-02, Courtmacsherry, in Cork in accordance with the requirements of the wastewater discharge licence for the agglomeration. Specified reports where relevant are included as an appendix to the AER.

1.1 ANNUAL STATEMENT OF MEASURES

A summary of any improvements undertaken is provided where applicable.

1.2 TREATMENT SUMMARY

The agglomeration is served by a wastewater treatment plant(s)

- Courtmacsherry WWTP - 2020 with a Plant Capacity PE of 2500, the treatment type is Secondary Treatment.

1.3 ELV OVERVIEW

The overall compliance of the final effluent with the Emission Limit Values (ELVs) is shown below. More detailed information on the below ELV's can be found in Section 2.

Discharge Point Reference	Treatment Plant	Discharge Type	Compliance Status	Parameters failing if relevant
TPEFF0500D0294SW001	Courtmacsherry WWTP - 2020	Treated	Non-Compliant	Ammonia-Total (as N) mg/l Total Oxidised Nitrogen (as N) mg/l

1.4 LICENCE SPECIFIC REPORTING INCLUDED IN AER

Assessment / Report	Included in AER
There are no Licence Specific Reports included in the AER.	

2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

2.1 COURTMACSHERRY WWTP - 2020 - TREATED DISCHARGE

2.1.1 INFLUENT MONITORING SUMMARY - COURTMACSHERRY WWTP - 2020

A summary of influent monitoring for the treatment plant is presented below. This monitoring is primarily undertaken in order to determine the overall efficiency of the plant in removing pollutants from the raw wastewater.

Parameters	Number of Samples	Annual Max	Annual Mean
Suspended Solids mg/l	7	881	150.92
COD-Cr mg/l	7	1426	379.98
BOD, 5 days with Inhibition (Carbonaceo mg/l	7	873	133.98
Hydraulic Capacity	N/A	1680	723

If other inputs in the form of sludge / leachate are added to the WWTP then these are included in Section 2.1.5 if applicable.

Significance of Results:

The annual mean hydraulic loading is less than the peak Treatment Plant Capacity. The annual maximum hydraulic loading is less than the peak Treatment Plant Capacity. Further details on the plant capacity and efficiency can be found under the sectional ‘Operational Performance Summary’. The design of the wastewater tretament plant allows for peak values and therefore the peak loads have not impacted on compliance with Emission Limit Values.

2.1.2 EFFLUENT MONITORING SUMMARY - TPEFF0500D0294SW001

Parameter	WWDL ELV (Schedule A)	ELV with Condition 2 Interpretation included Note 1	Interim % reduction from influent concentration	Number of sample results	Number of exceedances	Number of with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)
COD-Cr mg/l	125	250	N/A	13	N/A	N/A	25.65	Pass
Suspended Solids mg/l	35	87.5	N/A	13	N/A	N/A	4.89	Pass
BOD, 5 days with Inhibition (Carbonaceo mg/l	25	50	N/A	13	1	N/A	4.47	Pass
Total Oxidised Nitrogen (as N) mg/l	15	18	N/A	12	4	4	10.43	Fail
Ammonia-Total (as N) mg/l	10	12	N/A	12	1	1	1.53	Fail
ortho-Phosphate (as P) - unspecified mg/l	8	9.6	N/A	8	N/A	N/A	1.24	Pass
E. Coli no./100mls	N/A	N/A	N/A	2	N/A	N/A	12107.82	
Enterococci (Intestinal) no./100mls	N/A	N/A	N/A	2	N/A	N/A	3059.26	

Parameter	WWDL ELV (Schedule A)	ELV with Condition 2 Interpretation included Note 1	Interim % reduction from influent concentration	Number of sample results	Number of exceedances	Number of with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)
pH pH units	N/A	N/A	N/A	4	N/A	N/A	7.77	
Faecal coliforms no./100mls	N/A	N/A	N/A	2	N/A	N/A	N/A	

Notes:
1 – This represents the Emission Limit Values after the Interpretation provided for under Condition 2 of the licence is applied

Cause of Exceedance(s):

TON and N as mg/l

Significance of Results:

The WWTP is not compliant with the ELV's set in the Wastewater Discharge Licence. The impact on recieving waters is assessed further in Section 2.

2.1.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF0500D0294SW001

A summary of monitoring from ambient monitoring points associated with the wastewater discharge is provided in the sections below. For discharges to rivers upstream (U/S) and downstream (D/S) location data is provided. For other ambient points in lakes, coastal or transitional waters, monitoring data from the most appropriate monitoring station is selected.

The table below provides details of ambient monitoring locations and details of any designations as sensitive areas.

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	River Station Code	Bathing Water	Drinking Water	FWPM	Shellfish	WFD Status
There is no Ambient data included in the AER.							

The results for ambient results and / or additional monitoring data sets are included in the **Appendix 7.1 - Ambient monitoring summary**

Significance of Results:

The WWTP discharge was not compliant with the ELV's set in the wastewater discharge licence.

The ambient monitoring results does not meet the required EQS. The EQS relates to the Oxygenation and Nutrient Conditions set out in the Surface Water Regulations 2009.

Based on ambient monitoring results a deterioration in DIN & Orthophosphate, concentrations downstream of the effluent discharge is noted.

A deterioration in water quality has been identified, however it is not known if it or is not caused by the WWTP.

Other causes of deterioration in water quality in the area are: Catchment/Coastal processes

The discharge from the wastewater treatment plant does not have an observable negative impact on the Water Framework Directive status.

2.1.4 OPERATIONAL PERFORMANCE SUMMARY - COURTMACSHERRY WWTP - 2020

2.1.4.1 Treatment Efficiency Report - Courtmacsherry WWTP - 2020

Treatment efficiency is based on the removal of key pollutants from the influent wastewater by the treatment plant. In essence the calculation is based on the balance of load coming into the plant versus the load leaving the plant. The efficiency is presented as a percentage removal rate.

A summary presentation of the efficiency of the treatment process including information for all the parameters specified in the licence is included below:

Parameter	Influent mass loading (kg/year)	Effluent mass emission (kg/year)	Efficiency (% reduction of influent load)
COD	93955	6193	93
TN	N/A	N/A	N/A

Parameter	Influent mass loading (kg/year)	Effluent mass emission (kg/year)	Efficiency (% reduction of influent load)
TP	N/A	N/A	N/A
SS	37316	1182	97
cBOD	33127	1082	97

Note: The above data is based on sample results for the number of dates reported

2.1.4.2 Treatment Capacity Report Summary - Courtmacsherry WWTP - 2020

Treatment capacity is an assessment of the hydraulic (flow) and organic (the amount of pollutants) load a treatment plant is designed to treat versus the current loading of that plant.

Courtmacsherry WWTP - 2020	
Peak Hydraulic Capacity (m^3/day) - As Constructed	1686
DWF to the Treatment Plant (m^3/day)	562
Current Hydraulic Loading - annual max (m^3/day)	1680
Average Hydraulic loading to the Treatment Plant (m^3/day)	723
Organic Capacity (PE) - As Constructed	2500
Organic Capacity (PE) - Collected Load (peak week)[Note1]	1927
Organic Capacity (PE) - Remaining	573
Will the capacity be exceeded in the next three years? (Yes/No)	No

Nominal design capacities can be based on conservative design principles. In some cases assessment of existing plants has shown organic capacities significantly higher than the nominal design capacity. Accordingly plants that appear to be overloaded when comparing a collected peak load with the nominal design capacity can be fully compliant due to the safety factors in the original design.

2.1.5 SLUDGE / OTHER INPUTS - COURTMACSHERRY WWTP - 2020

'Other inputs' to the waste water treatment plant are summarised in table below

Input type	Quantity	Unit	P.E.	% of load to WWTP	Included in Influent Monitoring (Y/N)?	Is there a leachate/sludge acceptance procedure for the WWTP?	Is there a dedicated leachate/sludge acceptance facility for the WWTP? (Y/N)
There is no Sludge and Other Input data for the Treatment Plant included in the AER.							

3 COMPLAINTS AND INCIDENTS

3.1 COMPLAINTS SUMMARY

A summary of complaints of an environmental nature is included below.

Number of Complaints	Nature of Complaint	Number Open Complaints	Number Closed Complaints
There were no relevant environmental complaints in 2020.			

3.2 REPORTED INCIDENTS SUMMARY

Environmental incidents that arise in an agglomeration are reported on an on-going basis in accordance with our waste water discharge licences. Where an incident occurs and it is reportable under the licence, it is reported to the Environmental Protection Agency through their Environmental Data Exchange Network, or in some instances by telephone. Some incidents which arise in the agglomeration are recorded by Irish Water but may not be reportable under our licence for example where the incident does not have an impact on environmental performance.

A summary of reported incidents is included below.

3.2.1 SUMMARY OF INCIDENTS

Incident Type	Cause	No. of incident occurrences	Recurring (Y/N)	Closed (Y/N)
Breach of ELV	Other	1	Yes	No

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2020	1
Number of Incidents reported to the EPA via EDEN in 2020	1
Explanation of any discrepancies between the two numbers above	N/A

4 INFRASTRUCTURAL ASSESSMENTS AND PROGRAMME OF IMPROVEMENTS

4.1 STORM WATER OVERFLOW IDENTIFICATION AND INSPECTION REPORT

A summary of the operation of the storm water overflows and their significance where known is included below:

4.1.1 SWO IDENTIFICATION

WWDL Name / Code for Storm Water Overflow	Irish Grid Ref.	Included in Schedule A4 of the WWDL	Significance of the overflow(High / Medium / Low)	Assessed against DoEHLG Criteria	No. of times activated in 2020 (No. of events)	Total volume discharged in 2020 (m3)	Monitoring Status
SW003	E 151498 N 42565	No	Unknown	Unknown	Unknown	Unknown	Not Monitored
SW005	E 147090 N 43460	No	Unknown	Unknown	Unknown	Unknown	Monitored
SW002	E 150732 N 42818	Yes	Unknown	Unknown	Unknown	0	Monitored
SW004	E 150038 N 42674	Yes	Unknown	Unknown	Unknown	Unknown	Not Monitored

SWO Summary	
How much sewage was discharged via SWOs in the agglomeration in the year (m3)?	Unknown

SWO Summary	
Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?	N/A
The SWO Assessment included the requirements of relevant of WWDL schedules?	N/A
Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7?	No

4.2 REPORT ON PROGRESS MADE AND PROPOSALS BEING DEVELOPED TO MEET THE IMPROVEMENT PROGRAMME REQUIREMENTS.

4.2.1 SPECIFIED IMPROVEMENT PROGRAMME SUMMARY

A wastewater discharge licence may require a number of reports on specific subject areas to be prepared for the agglomeration in question. These reports are submitted to the EPA as part of the Annual Environmental Report. This section provides list of the various reports required for this agglomeration and a brief summary of their recommendations.

Specified Improvement Programmes (under Schedule A and C of WWDL)	Description	Licence Schedule	Licence Completion Date	Date Expired? (N/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
D0294-SIP:01	Appropriate improvements to ensure compliance with the emission limit values as set out in Schedule A: Discharges and Discharge Monitoring, of this licence.	C	31/12/2019	Yes	Works Completed		

Specified Improvement Programmes (under Schedule A and C of WWDL)	Description	Licence Schedule	Licence Completion Date	Date Expired? (N/NA/Y)	Status of Works	Timeframe for Completing the Work	Comments
D0294-SIP:02	Discharge to be discontinued: SW006	C	31/12/2019	Yes	Works Completed		
D0294-SIP:03	Discharge to be discontinued: SW007	C	31/12/2019	Yes	Works Completed		
D0294-SIP:04	Discharge to be discontinued: SW008	C	31/12/2019	Yes	Works Completed		
D0294-SIP:05	Discharge to be discontinued: SW009	C	31/12/2019	Yes	Works Completed		
D0294-SIP:06	Discharge to be discontinued: SW010	C	31/12/2019	Yes	Works Completed		
D0294-SIP:07	Discharge to be discontinued: SW011	C	31/12/2019	Yes	Works Completed		
D0294-SIP:08	Improvement works to ensure compliance with Condition 1.7 of this licence	C	31/12/2019	Yes	Works Completed		

A summary of the status of any improvements identified by under Condition 5.2 is included below.

4.2.2 IMPROVEMENT PROGRAMME SUMMARY

Improvement Identifier	Improvement Description / or any Operational Improvements	Improvement Source	Expected Completion Date	Comments
There are no Improvements Programme for this Agglomeration.				

4.2.3 SEWER INTEGRITY RISK ASSESSMENT

The utilisation of multiple capital maintenance programmes and the outputs of the workshops with the Local Authority Operations Staff held under the programme can be used to satisfy the requirements of Condition 5 regarding network integrity. Improvement works identified by way of these programmes and workshops will be included in the Improvements Summary Table.

5 LICENCE SPECIFIC REPORTS

A wastewater discharge licence may require a number of reports on specific subject areas to be prepared for the agglomeration in question. These reports are submitted to the EPA as part of the Annual Environmental Report. This section provides list of the various reports required for this agglomeration and a brief summary of their recommendations.

5.a Licence Specific Reports Summary Table

Licence Specific Report	Required by licence	Year included in AER	Included in this AER	Reference to relevant section of AER
Priority Substances Assessment	Yes		No	

6 CERTIFICATION AND SIGN OFF

6.1 SUMMARY OF AER CONTENTS

Parameter	Answer
Does the AER include an Executive Summary?	Yes
Does the AER include an assessment of the performance of the Waste Water Works (i.e. have the results of assessments been interpreted against WWDL requirements and or Environmental Quality Standards)?	Yes
Is there a need to advise the EPA for consideration of a Technical Amendment / Review of the licence?	N/A
List reason e.g. additional SWO identified	N/A
Is there a need to request/advise the EPA of any modification to the existing WWDL with respect to condition 4 changes to monitoring location, frequency etc	N/A
List reason e.g. changes to monitoring requirements	N/A
Have these processes commenced?	N/A
Are all outstanding reports and assessments from previous AERs included as an appendix to this AER	Yes

I certify that the information given in this Annual Environmental Report is truthful, accurate and complete:

Signed: Date: 29/03/2021

This AER has been produced by Irish Water's Environmental Information System (EIMS) and has been electronically signed off in that system for and on behalf of ,

Katherine Walshe

Acting Head of Environmental Regulation.

7 APPENDIX

Appendix
Appendix 7.1 - Ambient monitoring summary
Appendix 7.2 - Storm water overflow identification and inpection report
Appendix 7.3 - Other

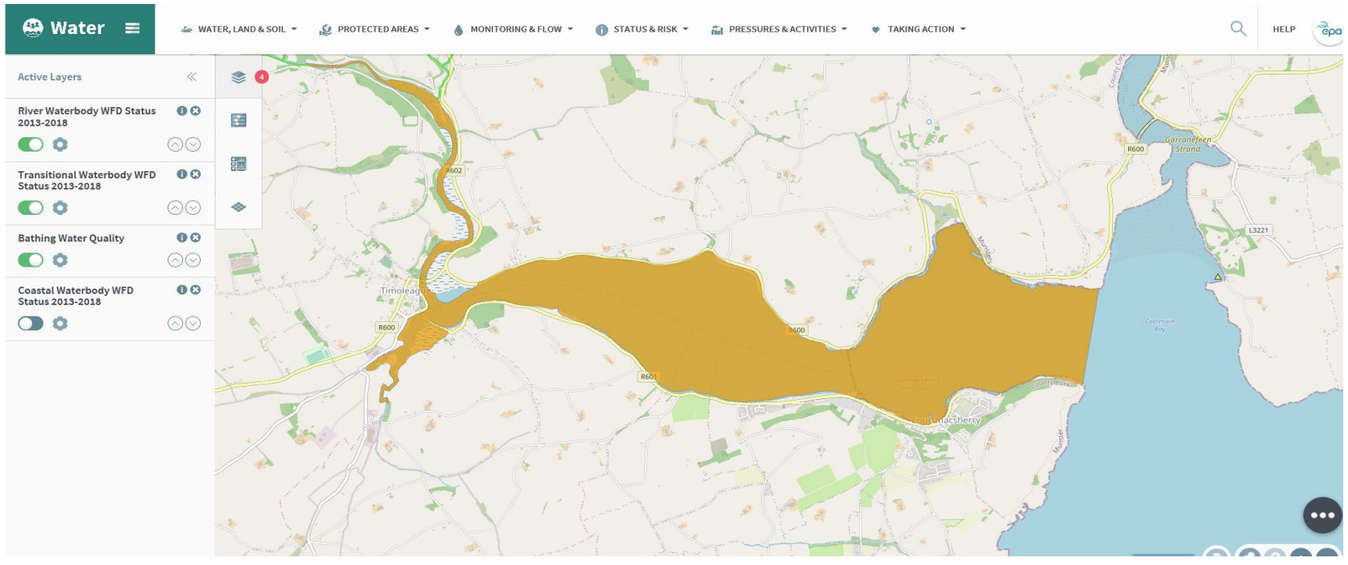
Upstream - Inchy Bridge	Transitional						Median	Mean	95%ile
	EQS								
	Mean	95%ile	05/02/2020 10:35	17/06/2020 13:10	12/08/2020 11:30	05/11/2020 13:00			
D.O % O_2	80%<95%ile<120%		96.7	104	100.5	99.7			103.5
Temperature C°	≤ 1.5 C° increase		7.8	18	16.5	9.7			
BOD mg/L	n/a	≤ 4	2.6	2.5	2.5	1.8			2.585
COD mg/l	n/a	n/a	<21	<21	22	<21			
SS mg/l	n/a	n/a	5	5	10	7			
Orthophosphate (P) mg/l	≤0.04 @35 PSU (Median)		0.035	0.028	0.025	0.03	0.029		
Ammonia (N) mg/l	≤ 0.065	≤ 0.140	0.053	0.013	0.044	0.0175		0.03	0.05
DIN (N) mg/l	≤ 2.6 @ 0 PSU ≤ 0.25 @ 34 PSU		4.98	3.99	3.09	5		4.27	5.00
TON (N) mg/l	n/a		4.98	3.99	3.09				
E.Coli MPN/100mls	n/a			387	525				
Faecal Coliforms MPN/100mls	n/a			387	461				
Intestinal enterococci CFU/100mls	n/a			26	55				

Spittal Bridge	Transitional						Median	Mean	95%ile
	EQS								
	Mean	95%ile	05/02/2020 10:15	17/06/2020 12:50	12/08/2020 11:50	05/11/2020 12:39			
D.O % O_2	80%<95%ile<120%		96.8	101	91.6	100.7			101.0
Temperature C°	≤ 1.5 C° increase		7.5	18.5	16.8	9.4			
BOD mg/L	n/a	≤ 4	2.8	2.2	3.6	1.6			3.48
COD mg/l	n/a	n/a	32	<21	<21	21			
SS mg/l	n/a	n/a	6	4	13	6			
Orthophosphate (P) mg/l	≤0.04 @35 PSU (Median)		0.036	0.049	0.035	0.03	0.04		
Ammonia (N) mg/l	≤ 0.065	≤ 0.140	0.058	0.002	0.095	0.0175		0.04	0.09
DIN (N) mg/l	≤ 2.6 @ 0 PSU ≤ 0.25 @ 34 PSU		9	8.77	5.77	5.065		7.15	8.9655
TON (N) mg/l	n/a		9	8.77	5.77				
E.Coli MPN/100mls	n/a			1046	921				
Faecal Coliforms MPN/100mls	n/a			1300	1203				
Intestinal enterococci CFU/100mls	n/a			186	>2420				

Downstream	Transitional						Median	Mean	95%ile
	EQS								
	Mean	95%ile	05/02/2020 10:55	17/06/2020 12:10	12/08/2020 11:10	05/11/2020 12:30			
D.O % O_2	80%<95%ile<120%		97.1	103.9	104.8	96.7			104.7
Temperature C°	≤ 1.5 C° increase		8	17.8	17.2	11			
COD mg/L	n/a	n/a	82	63	103	43			
BOD mg/L	n/a	≤ 4	1.7	1.7	1.9	1.4			1.87
Suspended Solids mg/l	n/a	n/a	14	36	26	55			
Orthophosphate (P) mg/l	≤0.04 @35 PSU (Median)		0.03	0.01	0.01	0.03	0.02		
Ammonia (N) mg/l	≤ 0.065	≤ 0.140	0.0175	0.035	0.108	0.0175		0.04	0.10
DIN (N) mg/l	≤ 2.6 @ 0 PSU ≤ 0.25 @ 34 PSU		1.59	0.16	0.058	2.771	0.875	1.14	2.59
E.Coli MPN/100mls	n/a			<10	20				
Faecal Coliforms MPN/100mls	n/a			<10	10				
Intestinal enterococci CFU/100mls	n/a			<10	<10				

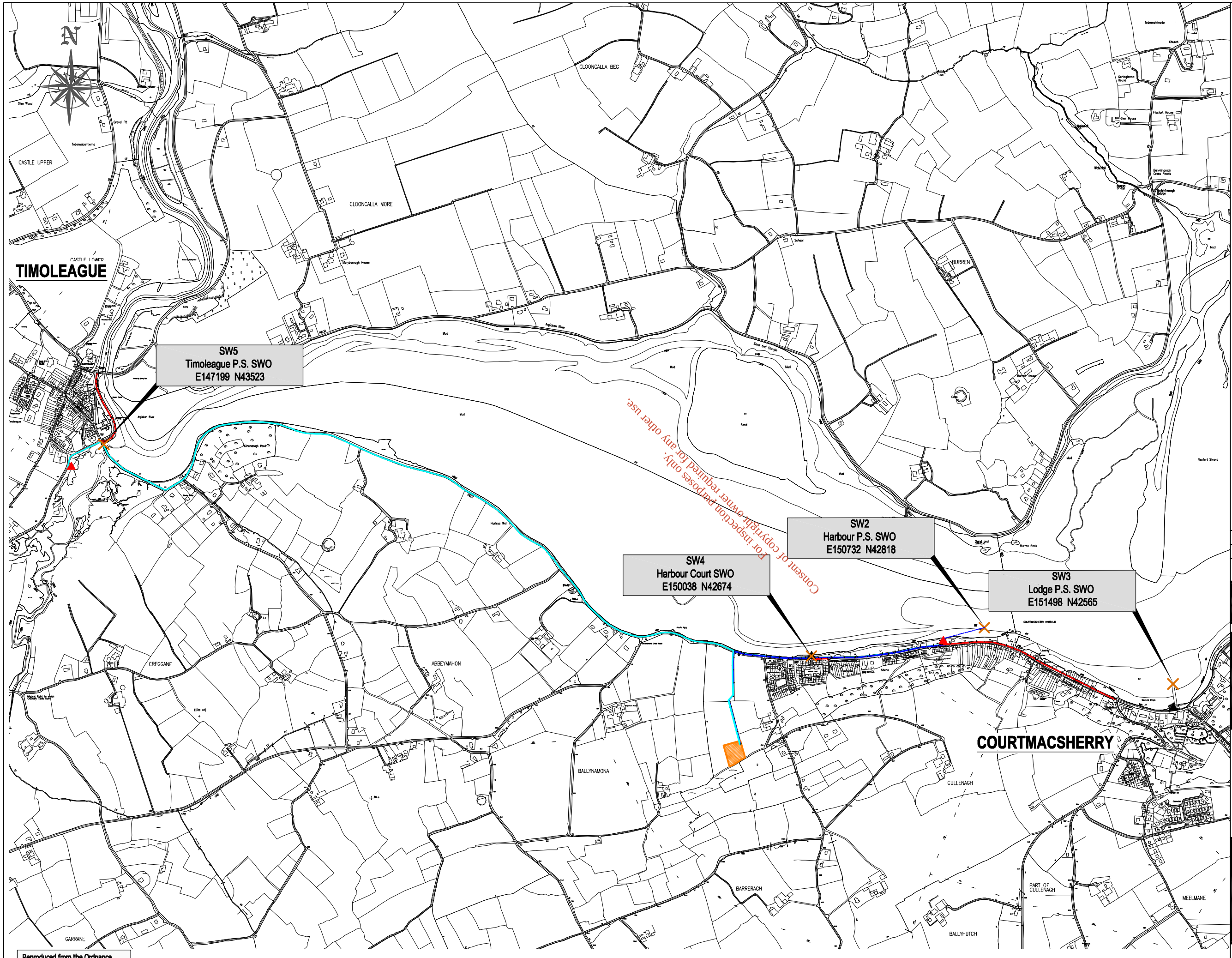
Ambient Monitoring Point from WWDL (or as agreeded with EPA)	Irish Grid Reference	EPA Feature Coding tool Code	Bathing Water	Drinking Water	FWPM	Shellfish	Current WFD Status
Upstream Monitoring Point - Inchy Bridge	146445 45774	TW05003171AR1001	No	No	No	No	Poor
Upstream Monitoring Point - Spittal Bridge	146890 42705	TW05003171AR1011	No	No	No	No	Poor
Downstream Monitoring Point	151707 42994	TW05003171AR1009	No	No	No	No	Poor

Significace of Results	
Did the ambient monitoring results meet the EQS Required?	No
Is there an obervable negative impact on water quality?	Unknown - "observable" TBC
List the parameters causing the impact?	DIN & Orthophosphate
A deterioration has been identified, but it is not known if it is caused by the TP	TRUE
Do the discharges from the WWTP have an observable negative impact on the WFD?	Unknown - "observable" TBC
Any other known impacts	Catchment/Coastal processes



WaterbodyName	WaterbodyCode	Waterbodytype	MonitoringStationCod	MonitoringStationName	MonitoringSta	MonitoringStationLocalA	SampleCode	SampleDate	SampleMethod	ParameterName	Parameter	ParameterUnitName	Result	TextResult	ResultStrin	LimitOfDet	ReportRes	ReportTex	ReportRes	ReportLimit
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1540145	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.012		OK	0.01	0.012		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1540147	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.011		OK	0.01	0.011		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1542617	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.016		OK	0.01	0.016		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1543246	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.02		OK	0.01	0.02		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1544281	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.011		OK	0.01	0.011		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1544282	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.11		OK	0.01	0.11		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-02651	25/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.046		OK	0.01	0.046		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1543244	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.038		OK	0.01	0.038		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1543248	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre		<0.010	OK	0.01	0.005	<0.010	OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1543249	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.022		OK	0.01	0.022		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1544285	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.018		OK	0.01	0.018		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-08399	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.013		OK	0.01	0.013		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-10673	25/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.011		OK	0.01	0.011		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-10674	25/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.015		OK	0.01	0.015		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1540142	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.013		OK	0.01	0.013		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1540143	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.01		OK	0.01	0.01		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1542612	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre		<0.010	OK	0.01	0.005	<0.010	OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542614	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre		<0.010	OK	0.01	0.005	<0.010	OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542615	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.014		OK	0.01	0.014		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1542616	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre		<0.010	OK	0.01	0.005	<0.010	OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1544284	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.024		OK	0.01	0.024		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1540144	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.019		OK	0.01	0.019		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1540146	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre		<0.010	OK	0.01	0.005	<0.010	OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1542613	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.011		OK	0.01	0.011		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1543245	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.031		OK	0.01	0.031		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1543247	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.029		OK	0.01	0.029		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1544283	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.017		OK	0.01	0.017		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-10671	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.012		OK	0.01	0.012		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-02653	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.054		OK	0.01	0.054		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-08396	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.016		OK	0.01	0.016		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-08397	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.013		OK	0.01	0.013		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-08398	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.01		OK	0.01	0.01		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-08400	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.027		OK	0.01	0.027		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-13336	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.011		OK	0.01	0.011		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	18-07840	25/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.03		OK	0.01	0.03		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-13335	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.017		OK	0.01	0.017		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-03490	25/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.027		OK	0.01	0.027		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-07838	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.03		OK	0.01	0.03		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-11469	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.03		OK	0.01	0.03		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-11470	25/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.02		OK	0.01	0.02		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-11471	25/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.02		OK	0.01	0.02		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-11472	23/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.02		OK	0.01	0.02		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1544286	23/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.019		OK	0.01	0.019		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-02650	23/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.045		OK	0.01	0.045		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-02652	23/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.055		OK	0.01	0.055		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-08401	23/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.016		OK	0.01	0.016		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-13334	23/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.014		OK	0.01	0.014		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-13337	23/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.017		OK	0.01	0.017		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-13338	23/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre		<0.01	OK	0.01	0.005	<0.01	OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-10672	23/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.011		OK	0.01	0.011		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-07837	23/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.03		OK	0.01	0.03		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-07839	23/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.03		OK	0.01	0.03		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	18-11468	23/11/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.02		OK	0.01	0.02		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	18-14486	23/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.015		OK	0.01	0.015		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	20-12094	23/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.023		OK	0.01	0.023		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	20-12095	23/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.039		OK	0.01	0.039		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-14483	23/11/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.012		OK	0.01	0.012		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-14485	23/11/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.014		OK	0.01	0.014		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1540142	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre		<1.0	OK	1	0.5	<1.0	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542614	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre	1		OK	1	1		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542615	08/09/2020	TRaC Bottom	BOD - 5 days (Total)	mg/l	milligrams per litre	1.1		OK	1	1.1		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1543246	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre		<1.0	OK	1	0.5	<1.0	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-08400	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre	2.7		OK	1	2.7		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-14484	08/09/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.015		OK	0.01	0.015		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	20-14327	08/09/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.032		OK	0.01	0.032		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	20-14328	08/09/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.022		OK	0.01	0.022		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-14329	08/09/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.017		OK	0.01	0.017		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-17521	08/09/2020	TRaC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.018		OK	0.01	0.018		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	20-17523	08/09/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.017		OK	0.01	0.017		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	20-17524	08/09/2020	TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.02		OK	0.01	0.02		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-17522	08/09/2020	TRaC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.012		OK	0.01	0.012		OK	0.01
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1543247	08/09/2020	TRaC Bottom	BOD - 5 days (Total)	mg/l	milligrams per litre		<1.0	OK	1	0.5	<1.0	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-13334	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre	1.2		OK	1	1.2		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-13336	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1540146	08/09/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	1		OK	0.4	1		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1542616	08/09/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	14.1		OK	0.4	14.1		OK	0.4

Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1543245	08/09/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	5.6		OK	0.4	5.6		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-08401	08/09/2020	TRaC Bottom	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-10673	08/09/2020	TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-13338	08/09/2020	TRaC Surface	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-03490	08/09/2020	TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre		nr	OK	1			NR	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-12096	08/09/2020	TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre		nr	OK	1			NR	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1540142	08/09/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	0.9		OK	0.4	0.9		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1540145	08/09/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	1.2		OK	0.4	1.2		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-10672	08/09/2020	TRaC Bottom	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-10674	08/09/2020	TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-11470	08/09/2020	TRaC Bottom	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-14485	08/09/2020	TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542614	08/09/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	30.2		OK	0.4	30.2		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542615	08/09/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	37.1		OK	0.4	37.1		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1544286	08/09/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	7.9		OK	0.4	7.9		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1544281	08/09/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	3.5		OK	0.4	3.5		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1544282	08/09/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	3.7		OK	0.4	3.7		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-08399	08/09/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	2.7		OK	1	2.7		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-13334	08/09/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	4.4		OK	1	4.4		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-13336	08/09/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	2.7		OK	1	2.7		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-13338	08/09/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	3.5		OK	1	3.5		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	18-11468	08/09/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1540147	08/09/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	4.8		OK	0.4	4.8		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1542612	08/09/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	56		OK	0.4	56		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1542613	29/07/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	59.6		OK	0.4	59.6		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1543244	29/07/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	4.4		OK	0.4	4.4		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1543246	29/07/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	3.5		OK	0.4	3.5		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1543248	29/07/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	3.7		OK	0.4	3.7		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1544283	29/07/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	3.2		OK	0.4	3.2		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-02650	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	1		OK	1	1		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-02651	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	1.3		OK	1	1.3		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-08396	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	5.2		OK	1	5.2		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-08400	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	3.3		OK	1	3.3		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-13335	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	4.8		OK	1	4.8		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-13337	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	3.6		OK	1	3.6		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-03490	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-11470	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-11472	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	1.1		OK	1	1.1		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-12096	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	3.2		OK	1	3.2		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	20-14327	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	1.8		OK	1	1.8		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	20-14328	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	1.3		OK	1	1.3		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-14329	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	1.1		OK	1	1.1		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1540143	29/07/2020	TRaC Bottom	Depth	m	Metres	10.5		OK		10.5		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1542615	29/07/2020	TRaC Bottom	Depth	m	Metres	5.2		OK		5.2		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	1544284	29/07/2020	TRaC Bottom	Chlorophyll	mg/m3	Milligrams per cubic me	3.3		OK	0.4	3.3		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1544285	29/07/2020	TRaC Surface	Chlorophyll	mg/m3	Milligrams per cubic me	6.2		OK	0.4	6.2		OK	0.4
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-02652	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	1.7		OK	1	1.7		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	16-02653	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	1.4		OK	1	1.4		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-08397	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	5.2		OK	1	5.2		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-10671	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	6.4		OK	1	6.4		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-10672	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre	3.5		OK	1	3.5		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	18-03491	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	1.7		OK	1	1.7		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-07837	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	18-07840	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	18-11467	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre	1		OK	1	1		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	18-11471	29/07/2020	TRaC Surface	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	20-12094	29/07/2020	TRaC Depth Composite	Chlorophyll	Âµg/l	Microgrammes per Litre	4.3		OK	1	4.3		OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	20-17522	29/07/2020	TRaC Bottom	Chlorophyll	Âµg/l	Microgrammes per Litre		<1	OK	1	0.5	<1	OK	1
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1542617	29/07/2020	TRaC Bottom	Depth	m	Metres	7		OK		7		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	1543244	29/07/2020	TRaC Surface	Depth	m	Metres	0		OK		0		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1543248	29/07/2020	TRaC Surface	Depth	m	Metres	0		OK		0		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2003	AR120 - opp Beamish's Cove	Operational	Cork County Council	1544281	29/07/2020	TRaC Surface	Depth	m	Metres	0		OK		0		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2001	AR100 - Coolmain Bay	Operational	Cork County Council	16-08397	29/07/2020	TRaC Bottom	Depth	m	Metres	4.5		OK		4.5		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-08398	29/07/2020	TRaC Surface	Depth	m	Metres	0		OK		0		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-08399	29/07/2020	TRaC Bottom	Depth	m	Metres	7		OK		7		OK	
Courtmacsherry Bay	IE_SW_090_0000	Coastal	CW05003170AR2002	AR110 - Wood Point	Operational	Cork County Council	16-10673	29/07/2020	TRaC Depth Composite	Depth	m	Metres	0		OK		0		OK	



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LEGEND

- PROPOSED WASTEWATER TREATMENT PLANT
- EXISTING PUMPING STATION
- PROPOSED PUMPING STATION
- STORM WATER OVERFLOW POINT (SWX)
- EFFLUENT PIPE
- PROPOSED RISING MAIN

Whilst every care has been taken in its compilation Irish Water gives this information as to the position of its underground network as a general guide only on the strict understanding that it is based on the best available information provided by each Local Authority in Ireland to Irish Water. Irish Water can assume no responsibility for and give no guarantees, undertakings or warranties concerning the accuracy, completeness or up to date nature of the information provided and does not accept any liability whatsoever arising from any errors or omissions. This information should not be relied upon in the event of excavations or any other works being carried out in the vicinity of the Irish Water underground network. The onus is on the parties carrying out excavations or any other works to ensure the exact location of the Irish Water underground network is identified prior to excavations or any other works being carried out. Service connection pipes are not generally shown but their presence should be anticipated.

REV	DATE	DRN	DESCRIPTION	CHK	APD
A	July 2016	RB	Rising main added and SWO references amended.	JR	PS

REVISIONS

DRAWING STATUS

☐ PRELIMINARY	☐ CONTRACT	☐ TENDER
☐ PLANNING	☐ CONSTRUCTION	☐ FOR APPROVAL
☒ FOR YOUR INFORMATION	☐ AS CONSTRUCTED	☐ DRAFT

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CLIENT: UISCE ÉIREANN : IRISH WATER

PROJECT
COURTMACSHERRY & TIMOLEAGUE WASTEWATER DISCHARGE LICENCE APPLICATION

TITLE
STORM WATER OVERFLOWS

SCALE @ A3	DATE	DRAWN	CHECKED	APPROVED
1:14,000	NOV 2014	KC	PS	PS

JOB No.	DRAWING No.	REV.
3024	B.5 - 09	A

A.3: Storm Water Overflows

A.3.1 Storm Water Overflows					
EDEN Code	Licence Code	Discharge Location	Storm Water Overflow Location	Name of Receiving Water	WFD Code Receiving Water
TPEFF3900D0294SW002	SW002	E 150732 N 42818	To be confirmed by licensee	Argideen Estuary	IE_SW_090_0200
TPEFF3900D0294SW003	SW003	E 151498 N 42565	To be confirmed by licensee	Argideen Estuary	IE_SW_090_0200
TPEFF3900D0294SW004	SW004	E 150038 N 42674	To be confirmed by licensee	Argideen Estuary	IE_SW_090_0200
TPEFF3900D0294SW005	SW005	E 147090 N 43460	To be confirmed by licensee	Argideen Estuary	IE_SW_090_0200