

Annual Environmental Report

2020



Clonakilty

D0051-01

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Rev 1 Note: Section 4.1.1. Answer 1 question changed to "Unknown". Approved 09/07/2021

1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2020 AER

This Annual Environmental Report has been prepared for D0051-01, Clonakilty, 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)

- Clonakilty WWTP - 2020 with a Plant Capacity PE of 20500, the treatment type is 3NP - Tertiary N&P removal

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
TPEFF0500D0051SW001	Clonakilty WWTP - 2020	Treated	Compliant	N/A

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 CLONAKILTY WWTP - 2020 - TREATED DISCHARGE

2.1.1 INFLUENT MONITORING SUMMARY - CLONAKILTY 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
Total Nitrogen mg/l	13	71.5	24.96
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	13	1223	235.77
COD-Cr mg/l	13	1345	441.42
Total Phosphorus (as P) mg/l	13	7.95	2.95
Hydraulic Capacity	N/A	13130	4026

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 greater than the peak Treatment Plant Capacity. The annual maximum hydraulic loading is greater 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 treatment 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 - TPEFF0500D0051SW001

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	12	N/A	N/A	17.89	Pass
Suspended Solids mg/l	35	87.5	N/A	12	N/A	N/A	2.93	Pass
BOD, 5 days with Inhibition (Carbonaceous BOD) mg/l	25	50	N/A	12	N/A	N/A	2.79	Pass
Total Nitrogen mg/l	15	18	N/A	12	N/A	N/A	4.31	Pass
pH pH units	9	9	N/A	12	N/A	N/A	7.52	Pass
Total Phosphorus (as P) mg/l	2	2.4	N/A	12	1	N/A	0.7	Pass
ortho-Phosphate (as P) - unspecified mg/l	N/A	N/A	N/A	12	N/A	N/A	0.58	
Total Oxidised Nitrogen (as N) mg/l	N/A	N/A	N/A	12	N/A	N/A	2.22	
Ammonia-Total (as N) mg/l	N/A	N/A	N/A	12	N/A	N/A	1.56	

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):

Not applicable

Significance of Results:

The WWTP is compliant with the ELV's set in the Wastewater Discharge Licence.

2.1.3 AMBIENT MONITORING SUMMARY FOR THE TREATMENT PLANT DISCHARGE TPEFF0500D0051SW001

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
Downstream	139633, 40597	TW05003173CY1002	Yes	No	No	No	Poor

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 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.

The discharge from the wastewater treatment plant does not have an observable impact on the water quality.

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 Pressures/Diffuse Urban

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 - CLONAKILTY WWTP - 2020

2.1.4.1 Treatment Efficiency Report - Clonakilty 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)
TN	38100	6275	84
TP	4510	1017	77
cBOD	359872	4072	99
SS	N/A	6550	N/A
COD	673754	39098	94

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

2.1.4.2 Treatment Capacity Report Summary - Clonakilty 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.

Clonakilty WWTP - 2020	
Peak Hydraulic Capacity (m ³ /day) - As Constructed	3789
DWF to the Treatment Plant (m ³ /day)	1266
Current Hydraulic Loading - annual max (m ³ /day)	13130
Average Hydraulic loading to the Treatment Plant (m ³ /day)	4026
Organic Capacity (PE) - As Constructed	20500
Organic Capacity (PE) - Collected Load (peak week) ^{Note1}	12793
Organic Capacity (PE) - Remaining	7707
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 - CLONAKILTY 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
1	Blocked Sewer	0	1

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)
Other	Plant or equipment maintenance at WWTP	1	No	No
Uncontrolled release	EO caused by pump failure	1	No	No
Uncontrolled release	EO caused by pump failure	1	No	Yes

Incident Type	Cause	No. of incident occurrences	Recurring (Y/N)	Closed (Y/N)
Uncontrolled release	Adverse Weather	1	No	Yes
Uncontrolled release	Broken Sewer Pipe	1	No	Yes
Uncontrolled release	Adverse Weather	1	No	Yes
Uncontrolled release	Broken Sewer Pipe	1	No	Yes
Uncontrolled release	Broken Sewer Pipe	1	No	Yes
Uncontrolled release	Adverse Weather	1	No	Yes

3.2.2 SUMMARY OF OVERALL INCIDENTS

Question	Answer
Number of Incidents in 2020	9
Number of Incidents reported to the EPA via EDEN in 2020	9
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
SW07	138960, 41456	Yes	Medium	Meeting	Unknown	Unknown	Monitored
SW008	138671, 41338	Yes	Medium	Meeting	Unknown	Unknown	Not Monitored
SW04	139634, 38553	No	Medium	Meeting	Unknown	Unknown	Not Monitored
Gallanes PS	140700, 42638	No	Medium	Meeting	Unknown	9375	Monitored

SWO Summary	
How much sewage was discharged via SWOs in the agglomeration in the year (m3)?	Unknown
Is each SWO identified as not meeting DoEHLG Guidance included in the Programme of Improvements?	No

SWO Summary	
The SWO Assessment included the requirements of relevant of WWDL schedules?	Yes
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
D0051-SIP:01	Construction of pumping station at Ring Village and 2.5 km rising main to WWTP.	C	31/12/2015	Yes	Not Started		Capital works not funded in RC3. Capital works funding post 2024 will be contingent on the project being included in the 2025-2029 investment period.
D0051-SIP:02	Increase of design load of WWTP from 5,333 p.e. to 20,500 p.e., with the incorporation of nitrogen	C	31/12/2015	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
	and phosphorous removal						
D0051-SIP:03	Upgrade of Long Quay pumping station and construction of storm water holding tank.	C	31/12/2015	Yes	Works Completed		
D0051-SIP:04	Upgrade of mechanical plant, inlet works, sludge treatment and storage	C	31/12/2015	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	2014	No	

5.1 PRIORITY SUBSTANCES ASSESSMENT

The Priority Substances Assessment Report has been included in the AER 2014

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?	No
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	No
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: 09/07/2021

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.

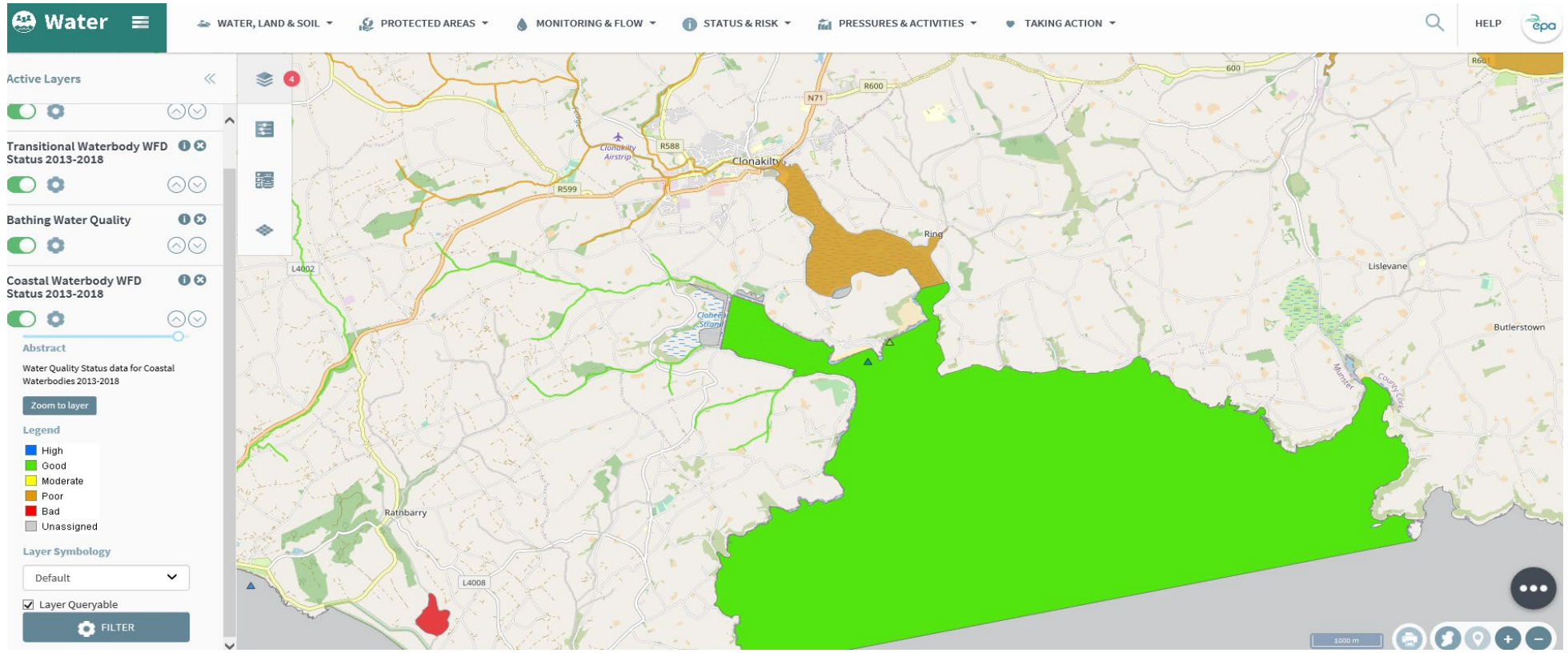
7 APPENDIX

Appendix
Appendix 7.1 - Ambient monitoring summary

Clonakilty	Transitional												Median	Mean	95%ile
	EQS														
	Mean	95%ile	05/02/2020 09:40	12/03/2020 10:00	13/05/2020 10:00	17/06/2020 11:30	15/07/2020 11:00	05/08/2020 13:50	02/09/2020 09:15	07/10/2020 09:00	18/11/2020 13:00	03/12/2020 09:30			
D.O % O ₂	80%<95%ile<120%		96	101.1	108.5	102.3	98.5	100.3	97.6	94.7	98.5	98.9			105.71
Temperature C°	≤ 1.5 C° increase		6.5	9	12	16.9	15.4	18.3	15.7	13.2	12	9.4			
pH	6 < pH < 9		7.6	7.2	8.2	8.3	8.2	8.2	8	8	7.9	7.9			
BOD mg/L	n/a	≤ 4	3.1	2.2	2	1.8	1.4	2.1	4.9	0.5	1.3	1.2			4.09
Orthophosphate (P) mg/l	≤0.04 @35 PSU (Median)		0.04	0.01		0.02	0.04	0.06	0.02	0.005	0.06	0.03	0.03		
Ammonia (N) mg/l	≤ 0.065		0.14	0.01	0.0175	0.035	0.0175	0.098	0.0175	0.0175	0.0175	0.0175	0.0175	0.0388	0.1211
TON (N) mg/l	n/a		4.86	0.23	0.04	0.09	0.07	0.61	0.13	0.09	1.17	0.19			

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	EPA Feature Coding tool Code	Bathing Water	Drinking Water	FWPM	Shellfish	Current WFD Status
Downstream Monitoring Point	E139633 N40597	TW05003173CY1002	No	No	No	No	Poor

Significance of Results	
Did the ambient monitoring results meet the EQS Required?	No
Is there an observable negative impact on water quality?	Unknown - "observable" TBC
List the parameters causing the impact?	Ammonia, D.O %Sat
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?	Possibly
Any other known impacts	Catchment Pressures/Diffuse Urban



Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2003	CY120 - Muckcross Head	Operational	Cork County Council	20-11934	28/07/2020	TRaC Depth Composite	Silica (as Si mg/l	milligrams	0.1	OK	0.1	0.1	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2006	CY150 - South of Sheep Cove	Operational	Cork County Council	20-14017	27/05/2020	TRaC Depth Composite	Silica (as Si mg/l	milligrams	0.14	OK	0.1	0.14	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2003	CY120 - Muckcross Head	Operational	Cork County Council	20-17563	27/05/2020	TRaC Depth Composite	Silica (as Si mg/l	milligrams	0.41	OK	0.1	0.41	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2005	CY140 - Midpoint off Virgin Mary's Point	Operational	Cork County Council	20-17565	27/05/2020	TRaC Depth Composite	Silica (as Si mg/l	milligrams	0.4	OK	0.1	0.4	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2006	CY150 - South of Sheep Cove	Operational	Cork County Council	20-17566	27/05/2020	TRaC Depth Composite	Silica (as Si mg/l	milligrams	0.75	OK	0.1	0.75	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2002	CY110 - Ring Head (outside green marker)	Operational	Cork County Council	20-08075	27/05/2020	TRaC Surface	StationDep m	Metres	NM	OK	0.1		NM	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2001	CY100 - Ring Channel	Operational	Cork County Council	20-08076	27/05/2020	TRaC Surface	StationDep m	Metres	NM	OK	0.1		NM	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2001	CY100 - Ring Channel	Operational	Cork County Council	20-11932	27/05/2020	TRaC Depth Composite	StationDep m	Metres	2.5	OK	0.1	2.5	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2004	CY130 - Duneen Bay	Operational	Cork County Council	20-14015	27/05/2020	TRaC Depth Composite	StationDep m	Metres	7.3	OK	0.1	7.3	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2006	CY150 - South of Sheep Cove	Operational	Cork County Council	20-17566	27/05/2020	TRaC Depth Composite	StationDep m	Metres	9.4	OK	0.1	9.4	OK	0.1
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2002	CY110 - Ring Head (outside green marker)	Operational	Cork County Council	20-08075	27/05/2020	TRaC Surface	Temperatu Â°C	Degrees ce	12.8	OK		12.8	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2001	CY100 - Ring Channel	Operational	Cork County Council	20-08076	27/05/2020	TRaC Surface	Temperatu Â°C	Degrees ce	12.8	OK		12.8	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2005	CY140 - Midpoint off Virgin Mary's Point	Operational	Cork County Council	20-11936	27/05/2020	TRaC Depth Composite	Temperatu Â°C	Degrees ce	12.6	OK		12.6	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2004	CY130 - Duneen Bay	Operational	Cork County Council	20-17564	27/05/2020	TRaC Depth Composite	Temperatu Â°C	Degrees ce	9.9	OK		9.9	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2002	CY110 - Ring Head (outside green marker)	Operational	Cork County Council	20-08075	27/05/2020	TRaC Surface	TOC (as NP mg/l	milligrams per litre	<2	OK	2	1 <2	OK	2
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2001	CY100 - Ring Channel	Operational	Cork County Council	20-08076	27/05/2020	TRaC Surface	TOC (as NP mg/l	milligrams per litre	<2	OK	2	1 <2	OK	2
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2006	CY150 - South of Sheep Cove	Operational	Cork County Council	20-11937	27/05/2020	TRaC Depth Composite	TOC (as NP mg/l	milligrams per litre	<2	OK	2	1 <2	OK	2
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2003	CY120 - Muckcross Head	Operational	Cork County Council	20-14014	27/05/2020	TRaC Depth Composite	TOC (as NP mg/l	milligrams per litre	<2	OK	2	1 <2	OK	2
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2004	CY130 - Duneen Bay	Operational	Cork County Council	20-17564	27/05/2020	TRaC Depth Composite	TOC (as NP mg/l	milligrams per litre	<2	OK	2	1 <2	OK	2
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2002	CY110 - Ring Head (outside green marker)	Operational	Cork County Council	20-11933	27/05/2020	TRaC Depth Composite	Total Oxidi mg/l	milligrams	0.046	OK	0.01	0.046	OK	0.01
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2004	CY130 - Duneen Bay	Operational	Cork County Council	20-14015	27/05/2020	TRaC Depth Composite	Total Oxidi mg/l	milligrams	0.029	OK	0.01	0.029	OK	0.01
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2006	CY150 - South of Sheep Cove	Operational	Cork County Council	20-14017	27/05/2020	TRaC Depth Composite	Total Oxidi mg/l	milligrams	0.039	OK	0.01	0.039	OK	0.01
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2002	CY110 - Ring Head (outside green marker)	Operational	Cork County Council	20-08075	27/05/2020	TRaC Surface	Transparer m	Metres	NM	OK			NM	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2001	CY100 - Ring Channel	Operational	Cork County Council	20-08076	27/05/2020	TRaC Surface	Transparer m	Metres	NM	OK			NM	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2003	CY120 - Muckcross Head	Operational	Cork County Council	20-11934	27/05/2020	TRaC Depth Composite	Transparer m	Metres	4.5	OK		4.5	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2004	CY130 - Duneen Bay	Operational	Cork County Council	20-11935	27/05/2020	TRaC Depth Composite	Transparer m	Metres	3.5	OK		3.5	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2002	CY110 - Ring Head (outside green marker)	Operational	Cork County Council	20-14013	27/05/2020	TRaC Depth Composite	Transparer m	Metres	vob	OK		vob	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2003	CY120 - Muckcross Head	Operational	Cork County Council	20-14014	27/05/2020	TRaC Depth Composite	Transparer m	Metres	vob	OK		vob	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2004	CY130 - Duneen Bay	Operational	Cork County Council	20-14015	27/05/2020	TRaC Depth Composite	Transparer m	Metres	4	OK		4	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2006	CY150 - South of Sheep Cove	Operational	Cork County Council	20-14017	27/05/2020	TRaC Depth Composite	Transparer m	Metres	6	OK		6	OK	
Clonakilty Bay	IE_SW_100_0000	Coastal	CW05003172CY2001	CY100 - Ring Channel	Operational	Cork County Council	20-17561	27/05/2020	TRaC Depth Composite	Transparer m	Metres	2	OK		2	OK	