# Annual Environmental Report

2021



Cobh

D0054-01

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## 1 EXECUTIVE SUMMARY AND INTRODUCTION TO THE 2021 AER

This Annual Environmental Report has been prepared for D0054-01, Cobh, 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.

The work to transfer flow from Cobh to Shanbally WWTP was complete the first week of September 2021.

#### 1.2 TREATMENT SUMMARY

• Currently there is no treatment provided at Cobh . Please refer to section 4 for details of the Programme of Improvements.

#### **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
TPEFF0500D0054SW001	COBH SEPTIC TANK	Untreated	Non-Compliant	N/A

# 1.4 LICENCE SPECIFIC REPORTING

#### Assessment / Report

There are no Licence Specific Reports included in this AER.

## 2 TREATMENT PLANT PERFORMANCE AND IMPACT SUMMARY

#### 2.1.1 EFFLUENT MONITORING SUMMARY - TPEFF0500D0054SW007

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 exceedances with Condition 2 Interpretation included	Annual Mean	Overall Compliance (Pass/Fail)		
There is no	There is no Effluent data included in the AER.									

Notes:

## **Cause of Exceedance(s):**

The agglomeration is not served by a wastewater treatment plant.

### **Significance of Results:**

The ELVs set in the Wastewater Discharge Licence cannot be measured, as there is no influent or effluent data included in the AER.

#### 2.1.2 AMBIENT MONITORING SUMMARY FOR THE UNTREATED DISCHARGE TPEFF0500D0054SW001

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.

<sup>1 –</sup> This represents the Emission Limit Values after the Interpretation provided for under Condition 2 of the licence is applied

<sup>2 -</sup> For pH the WWDA specifies a range of pH 6 - 9

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

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 for the following: .

The ambient monitoring results do not meet the required EQS at the upstream monitoring location. 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.

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

## **3 COMPLAINTS AND INCIDENTS**

#### 3.1 COMPLAINTS SUMMARY

A summary of complaints of an environmental nature related to the discharge(s) to water from the WWTP and network is included below.

Number of Complaints	Nature of Complaint	Number Open Complaints	Number Closed Complaints
There were no relevant environm	ental complaints in 2021.		

#### 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)
Uncontrolled release	Blocked Sewer	1	No	Yes

## **3.2.2 SUMMARY OF OVERALL INCIDENTS**

Question	Answer
Number of Incidents in 2021	1
Number of Incidents reported to the EPA via EDEN in 2021	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 (chamber) where applicable	Irish Grid Ref. (outfall)	Included in Schedule of the WWDL	Significance of the overflow(High / Medium / Low)	Assessed against DoEHLG Criteria	No. of times activated in 2021 (No. of events)	Total volume discharged in 2021 (m3)	Monitoring Status
SW016	178401, 65648	Yes	Medium	Meeting	Unknown	Unknown	Not Monitored

Any TBC SWO(s) were identified as part of the on-going National SWO programme and will be updated in subsequent AER(s) once the information is confirmed.

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?	N/A
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 a 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
D0054-SIP:01	Discharges from SW01 (primary discharge) to cease	А	01/01/2015	Yes	Works completed		
D0054-SIP:02	Discharges from SW02 to cease	А	01/01/2015	Yes	Works completed		
D0054-SIP:03	Discharges from SW03 to cease	А	01/01/2015	Yes	Works completed		
D0054-SIP:04	Discharges from SW04 to cease	А	01/01/2015	Yes	Works completed		
D0054-SIP:05	Discharges from SW05 to cease	А	01/01/2015	Yes	Works completed		
D0054-SIP:06	Discharges from SW06 to cease	А	01/01/2015	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
D0054-SIP:07	Discharges from SW07 to cease	A	01/01/2015	Yes	Works completed		
D0054-SIP:08	Discharges from SW08 to cease	A	01/01/2015	Yes	Works completed		
D0054-SIP:09	Discharges from SW09 to cease	A	01/01/2015	No	Works completed		
D0054-SIP:10	Discharges from SW10 to cease	A	01/01/2015	Yes	Works completed		
D0054-SIP:11	Discharges from SW11 to cease	А	01/01/2015	Yes	Works Completed		
D0054-SIP:12	Discharges from SW12 to cease	А	01/01/2015	Yes	Works Completed		
D0054-SIP:13	Discharges from SW13 to cease	А	01/01/2015	Yes	Works Completed		
D0054-SIP:14	Discharges from SW14 to cease	А	01/01/2015	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
D0054-SIP:15	Discharges from SW15 to cease	А	01/01/2015	Yes	Works Completed		
D0054-SIP:16	Discharges from SW16 to cease	А	01/01/2015	Yes	Works Completed		
D0054-SIP:17	Infrastructural works to cease discharges	С	01/01/2015	Yes	Works Completed		
D0054-SIP:18	Upgrade collecting system(reduce infiltration, remediate structural damage, separate storm water, install major pumping station and provide marine pipeline crossing)	С	01/01/2015	Yes	Works Completed		

A summary of the status of any other improvements identified by under Condition 5 assessments- is included below.

## **4.2.2 IMPROVEMENT PROGRAMME SUMMARY**

Improvement Identifier	Improvement Description / or any Operational Improvements	Improvement Source	Expected Completion Date	Comments
No additional improve	ments planned at this time.			

#### **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 Tables 4.2.1 and 4.2.2.

# **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 a list of the various reports required for this agglomeration and a brief summary of their recommendations.

Licence Specific Report	Required by licence	Year included in AER	Included in this AER
Priority Substances Assessment	Yes	2015	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
Has a Technical amendment/licence review application been submitted to the Agency by IW?	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	N/A

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

Date: 06/07/2022

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

		Water								Parameter							Report	Report	
		body	Monitoring Station	Monitoring Station	Monitoring	Monitoring Station	Sample			Unit Short		Result	Text Result	Result	Limit Of Detection	Report	Text Result	Result	Report
Water body Name Outer Cork Harbour	Water body Code IE SW 050 0000	Coastal	CW05003149LE9002	LESIO - Roches Point	Station Type Operational	Local Authority  Cork County Council	21-10227	Sample Date Sample Method 30/05/2021 TRaC Depth Composite	Parameter Name Ammonia-Total (as N)	Code mg/l	Parameter Unit Name milligrams per litre	0.043	Result	String	0.01	0.043	Result	String	0.01
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-07382		BOD - 5 days (Total)	mg/l	miligrams per litre	0.043	<1	OK	1	0.5	<1	OK	1
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LESIO - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre	8	<1	ОК	1	0.5	<1	OK	1
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.038		OK	0.01	0.038		OK	0.01
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	BOD - 5 days (Total)	mg/l	milligrams per litre		<1.	OK	1	0.5	<1	OK	1
Outer Cork Harbour Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002 CW05003149LE9002	LES10 - Roches Point LES10 - Roches Point	Operational Operational	Cork County Council Cork County Council	21-07382	18/05/2021 TRaC Depth Composite 23/08/2021 TRaC Depth Composite	Dissolved Oxygen Dissolved Oxygen	% Saturation % Saturation	Percentage Saturation Percentage Saturation	101		OK	1	96 101		OK	1
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	ortho-Phosphate (as P) - unspecified	mg/l	milligrams per litre	0.016		OK	0.005	0.016		OK	0.005
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	pH	pH units	pH Units	8.2		OK	2	8.2		OK	2
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	Suspended Solids	mg/l	milligrams per litre		<4	OK	. 4	2	c4	OK	4
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	Suspended Solids	mg/l	miltigrams per litre		<7	OK	- 4	3.5	<7	OK	7
Outer Cork Harbour Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LESIO - Roches Point LESIO - Roches Point	Operational Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite 02/11/2021 TRaC Depth Composite	Temperature Temperature	Á°C	Degrees centrigrade Degrees centrigrade	15.2 12.2		OK		15.2		OK	
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Silica (as SiO2)	mg/l	miligrams per litre	12.2	<0.1	OK	0.1	0.05	0.1	OK	0.1
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	Silica (as SIO2)	mg/l	milligrams per litre	0.1	300	OK	0.1	0.1		OK	0.1
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	Sifica (as SIO2)	mg/l	milligrams per litre	0.1		OK	0.1	0.1		OK	0.1
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	Silica (as SIO2)	mg/l	milligrams per litre	0.5		ОК	0.1	0.5		OK	0.1
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Temperature	°C	Degrees centrigrade	10.5	30015	OK	8 - 13	10.5	i i	OK	
Outer Cork Harbour Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002 CW05003149LE9002	LEBIO - Roches Point LEBIO - Roches Point	Operational Operational	Cork County Council  Cork County Council	21-17713	02/11/2021 TRaC Depth Composite 30/06/2021 TRaC Depth Composite	TOC (as NPOC) Total Oxidised Nitrogen (as N)	mg/l mg/l	milligrams per litre milligrams per litre	3-4	<0.01	OK	0.01	0.005	-201	OK OK	0.01
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-10227	02/11/2021 TRaC Depth Composite	Total Oxidised Nitrogen (as N)	mg/l	milligrams per litre	0.18	KU.01	OK	0.01	0.005	10.01	OK	0.01
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Transparency	m	Metres	5		OK		5		OK	3.00
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LESIO - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	Salinity	PSU	Practical salinity units	33.1		ОК	0.1	33.1		OK	0.1
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Salinity(Lab)	0/00	0/00	35		OK	0.1	35		OK	0.1
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	Salinity(Lab)	0/00	0/00	34.3	Nam I	OK	0.1	34.3 2.5		OK	0.1
Outer Cork Harbour Outer Cork Harbour	IE SW 050 0000	Coastal Coastal	CW05003149LE9002	LES10 - Roches Point LES10 - Roches Point	Operational Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite 18/05/2021 TRaC Depth Composite	True Colour	mg/litre Pt Co µg/l	Milligrammes per litre Colour Microgrammes per Litre	2.8	S	OK	0.01	2.8	_	OK	0.01
Other Cork Harthour	16 340 030 0000	COSSUM	CW03003149CE3002	LEALD - NOCINES POINT	Operational	CORK COUNTY COUNCY	21.07362	18/05/2021 Triac Depth Composite	Chicrophys a (Fisorescence)	Alag7r	microgrammes per tipe	2.0		OK.	0.01	2.0		OK.	0.01
Duter Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	StationDepth	m	Metres	19.2		OK	0.1	19.2		OK.	0.1
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	StationDepth	m	Metres	17.1		ОК	0.1	17.1	1 3	OK	0.1
	IE_SW_050_0000		CW05003149LE9002	LESIO - Roches Point	Operational	Cork County Council	21-10227		Chlorophyll a (Fluorescence)	Aµg/I	Microgrammes per Litre	0.93		OK	0.01	0.93	3 3	OK.	0.01
	IE_SW_050_0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-14332	and and an	Chlorophyll a (Fluorescence)	Âμg/I	Microgrammes per Litre	7.9		OK	0.01	7.9		OK	0.01
	IE SW 050 0000	Coastal	CW05003149LE9002 CW05003149LE9002	LESIO - Roches Point LESIO - Roches Point	Operational	Cork County Council Cork County Council	21-17713	02/11/2021 TRaC Depth Composite 18/05/2021 TRaC Depth Composite	Salinity(Lab) True Colour	0/oc mg/litre Pt Co	0/oo Miligrammes per litre Colour	33	-	OK DK	0.1	33 2.5	_	OK OK	0.1
	IE SW 050 0000		CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-14332		True Colour	mg/litre Pt Co	Milligrammes per litre Colour	101	53	OK	5	101	-	OK	- 5
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEBIO - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite	Chlorophyll a (Fluorescence)	Aug/I	Microgrammes per Litre	0.16		OK	0.01	0.16		OK	0.01
Duter Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	Pheophytin a	Âμg/l	Microgrammes per Litre	0.26		OK	0.01	0.26		OK	0.01
	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.014		OK	0.01	0.014		OK.	0.01
	IE_SW_050_0000	Coastaí	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	Ammonia-Total (as N)	mg/l	milligrams per litre	0.028	02	OK	0.01	0.028		OK OK	0.01
Duter Cork Harbour Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002 CW05003149LE9002	LEBIO - Roches Point LEBIO - Roches Point	Operational	Cork County Council Cork County Council	21-10227	30/06/2021 TRaC Depth Composite 02/11/2021 TRaC Depth Composite	BOD - 5 days (Total) Depth	mg/l	miligrams per litre Metres		<1	DK DK	1	0.5	<1	OK.	- 1
	IE SW 050 0000	Coastal	CW05003149LE9002	LEBIO - Roches Point	Operational	Cork County Council	21-10227		Dissolved Oxygen	% Saturation	Percentage Saturation	98		OK	1	98	1 8	OK	1
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-17713		Dissolved Oxygen	% Saturation	Percentage Saturation	87		OK	1	87		OK	1
	IE SW 050 0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-14332		ortho-Phosphate (as P) - unspecified	mg/l	milligrams per litre		<0.005	OK	0.005	0.0025	<0.005	OK	0.005
Duter Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	pH	pH units	pH Units	8.1		OK	2	8.1		OK	2
Duter Cork Harbour Duter Cork Harbour	IE SW 050 0000	Coastal Coastal	CW05003149LE9002 CW05003149LE9002	LESSO - Roches Point LESSO - Roches Point	Operational	Cork County Council Cork County Council	21-14332	23/08/2021 TRaC Depth Composite 18/05/2021 TRaC Depth Composite	pH Suspended Solids	pH units mg/l	pH Units miligrams per litre	8	82	OK	2	8		OK OK	2
	IE SW 050 0000	Coastal	CW05003149LE9002	LEBID - Roches Point	Operational	Cork County Council	21-14332		Suspended Solids	mg/l	miligrams per litre	0 0	c4	OK	4	- 2	e4	OK	- 4
	IE SW 050 0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	Temperature	Á°C	Degrees centrigrade	15.6	300	OK		15.6		OK	
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Total Oxidised Nitrogen (as N)	mg/l	milligrams per litre	3	< 0.01	OK	0.01	0.005	<0.01	OK	0.01
Duter Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-14332		Total Oxidised Nitrogen (as N)	mg/l	milligrams per litre	0.021		OK	0.01	0.021	a 60	OK	0.01
Duter Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	Transparency	m	Metres	4		OK	20 300	4		OK	
	IE SW 050 0000	Coastal	CW05003149LE9002 CW05003149LE9002	LESIO - Roches Point LESIO - Roches Point	Operational	Cork County Council Cork County Council	21-10227	30/06/2021 TRaC Depth Composite 02/11/2021 TRaC Depth Composite	Salinity	PSU PSU	Practical salinity units Practical salinity units	31.4		OK OK	0.1	35 31.4		OK OK	0.1
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LESIO - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	StationDepth	m .	Metres	19		OK	0.1	19	5 5	OK	0.1
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEBIO - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	StationDepth	m	Metres	16.5		OK	0.1			OK	0.1
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	Salinity(Lab)	0/00	0/00	33.8		OK	0.1	33.8		OK	0.1
Duter Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	True Colour	mg/litre Pt Co	Milligrammes per litre Colour		<5	OK	. 5	2.5	d .	OK.	5
Duter Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Pheophytin a	Ãμg/I	Microgrammes per Litre	0.31		OK	0.01	0.31		OK	0.01
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point LES10 - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite 18/05/2021 TRaC Depth Composite	Pheophytin a Pheophytin a	Aug/I	Microgrammes per Litre Microgrammes per Litre	0.1		OK	0.01	0.1		OK .	0.01
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149EE9002	LES10 - Roches Point	Operational	Cork County Council	21-07382	23/08/2021 TRaC Depth Composite	Pheophytin a	Aug/I Aug/I	Microgrammes per Litre Microgrammes per Litre	0.3		OK	0.01	0.31		OK	0.01
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LESTO - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	Depth	m .	Metres	19		OK	5.01	19		OK	3.01
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LEB10 - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	Depth	m	Metres	19.		OK		19.1		OK	1
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-14332	23/08/2021 TRaC Depth Composite	Depth	m	Metres	16	_	OK		16		OK	
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LE810 - Roches Point	Operational	Cork County Council	21-07382	18/05/2021 TRaC Depth Composite	ortho-Phosphate (as P) - unspecified	mg/l	miligrams per litre		<0.005	OK	0.005		<0.005	OK	0.005
Outer Cork Harbour	IE_SW_050_0000	Coastal	CW05003149LE9002	LESIO - Roches Point	Operational	Cork County Council	21-10227	30/06/2021 TRaC Depth Composite	ortho-Phosphate (as P) - unspecified	mg/l	milligrams per litre		<0.005	OK	0.005	0.0025	<0.005	OK	0.005
Outer Cork Harbour Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point LES10 - Roches Point	Operational	Cork County Council	21-17713	02/11/2021 TRaC Depth Composite 18/05/2021 TRaC Depth Composite	pH TOC (as NPOC)	pH units mg/l	pH Units millerams per litre	7.5	0	OK	2	7.9	0	OK	2
				LES10 - Roches Point	Operational	manufactured and an artist and artist	21-07382	30/06/2021 TRaC Depth Composite	TOC (as NPOC)	mg/l	miligrams per inte		<2 <2	OK	- 2	1	<2	OK	1 3
con n - m ud/d1				1	1-2	I was a second second	- A second	The property of the second sec	1	1.00	The second secon		_	1-24	1 - 1			1	+

Outer Cork Harbour	is no sea co	distant.		Leas and a			21-14332	22 82 82 7		TAT 1 - 10 AT		Lamondo	-		au I	1	S	a lau	-
Outer Cork Harbour Outer Cork Harbour	IE 5W 050 0000	Coastal	CW05003149LE9002 CW05003149LE9002	LE810 - Roches Point LE810 - Roches Point	Operational	Cork County Council Cork County Council	21-14332		TRaC Depth Composite TRaC Depth Composite		mg/l	miligrams per litre Metres	-	52	OK	. 2	1	K2 OK	1 2
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	CERTO - Roches Point	Operational	Cork County Council	21.17713		TRaC Depth Composite	Transparency	m	Metres	- 3	- 8	OF		- 2	OK	10
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05083149LE9002	LEBIO - Roches Point	Operational	Cork County Council	21-07382		TRuC Depth Composite	Salmin	9510	Practical salinity units	35.6	- 8	OK	0.1	35.6	ON	0.1
Outer Cork Harbour	IE SW 050 0000	Coastal	CW05003149LE9002	LES10 - Roches Point	Operational	Cork County Council	21-17713		TRaC Depth Composite	Pheophytin a	Aur/I	Microgrammes per Litre	0.26	- 10	OK	0.01	0.26	OK.	0.01
Cork Harbour	0000 0000 USB	Cnastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07385	18/05/2021	TRUC Bottom	Ammonia-Total (as NI	meA	miligrams per litre	0.017	- 3	QK .	0.01	0.017	QK	0.01
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance.	Cork County Council	21-10224		TRuC Surface	Ammonia-Total (as N)	mg/l	milligrams per litre	0.038	_ ^	OK:	0.01	0.038	OK	0.01
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07386	18/05/2021	TRaC Surface	Ammonia-Total (as N)	mg/t	miligrams per litre	0.017	- 8	OK	0.01	0.017	OK.	0.01
Cork Harbour	IE_5W_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10223	30/06/2021	TRuC Bottom	Ammonia-Total (as N)	mg/l	milligrams per litre	0.028	- 8	ΩK	0.01	0.028	OK .	0.01
Cork Harbour	IE_5W_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Sarveillance	Cork County Council	21-17709	02/11/2021	TRaC Surface	Ammonia-Total (as N)	mg/t	milligrams per litre	0.887		OK	0.01	0.087	OK	0.01
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	cE620 - E Spike Island	Surveillance	Cork County Council	21-17710	02/11/2021	TRaC Bottom	Ammonia-Total (as N)	mg/s	milligrams per litre	0.031	- 8	OK .	0.01	0.031	OK	0.01
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveitance	Cork County Council	21-14329	23/08/2021	TRuC Bottom	Ammonia-Total (as N)	Mg/l	miligrams per litre	0.044	- 8	OK.	0.01	0.044	OK	0.01
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07385		TRaC Bottom	BOD - 5 days (Yotal)	mig/f	milligrams per litre		41	OK.	1	0.5		- 1
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Hland	Surveillance	Cork County Council	21-14328		TRaC Surface	BOD - 5 days (Fotal)	mg/l	miligrams per litre	- 9	d	ΩK	. 1	0.5		
Cork Harbour	IE_5W_060_0000	Coastal	CW05003150LE8003	LEG20 - E Spike Island	Surveillance	Cork County Council	21-14329		TRuC Bottom	BOD - 5 days (Total)	mg/l	milligrams per litre	- 9	d	OK.	- 1	0.5		5 01
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003 CW05003150LE8003	LE620 - E Spike Island LE620 - E Spike Island	Surveillance Surveillance	Cork County Council	21-17709 21-07386		TRaC Surface	Depth	m	Metres	0	-	OK	0.01	6.4	QK QK	0.00
Cork Harbour Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance Surveillance	Cork County Council Cork County Council	21-0/38h 21-14328		TRaC Surface TRaC Surface	Chlorophyll a (Fluorescence) Chlorophyll a (Fluorescence)	Âμg/I Âμg/I	Microgrammes per Litre Microgrammes per Litre	5.4		OK OK	0.01	6.4	OK	0.01
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-14328		TRaC Surface	Death	PHE/I	Metrogrammes per Litre Metros	3	- 99	OK.	9.01	- 2	OK	0.03
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-14328		TRAC Bottom	Depth	m	Metres	17	- 8	OK		17	OK.	-
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Sorveitance	Cork County Council	21-07385		TRAC Bottom	Depth.	m	Metres	19.8	- 22	OF		19.8	OK.	-12
Cork Harbour	IE 5W 060 0000	Chastal	CW05003150LE8003	CE620 - E Spike Island	Surveillance	Cork County Council	21-07386		TRUC Surface	Depth	m	Metres	0.3	100	OK.	8	0.3	OK	- 8
Cork Harbour	HE SW 060 0000	Coastal	CW05003150LE8003	LEG20 - E Spike Island	Surveitance	Cork County Council	21-0/386		TRUC Bottom	Depth	m	Metres	20.9	1	OK.		20.0	OK	1
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10224		TRaC Surface	Death	m	Metres	0.4	-	OK		0.4	OK.	_
Cork Harbour	IE SW 060 0000	Cnastal	CW05003150LE8003		Surveillance	Cork County Council	21-14329		TRUC Bottom	Depth	m	Metres	17	- 18	OK .	9	17	OK	10
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07386		TRuC Surface	Dissalved Oxygen	% Saturation	Percentage Saturation	116	- 8	OK.	- 1	116	OK	8 01
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10223	30/06/2021	TRAC Bottom	Dissalved Oxygen	% Saturation	Percentage Saturation	98		OK:	1	98	OK.	
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10224	30/06/2021	TRaC Surface	Dissolved Oxygen	% Saturation	Percentage Saturation	103	- 3	ΩK .	1	103	OK.	1 1
Cork Harbour	IE_SW_060_0000	Coastal	CW05083158LE8083	LE620 - E Spike Island	Surveillance	Cork County Council	21-14328	23/08/2021	TRUC Surface	Dissolved Geygen	% Saturation	Percentage Saturation	104		OK	1	104	OK	1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-14329	23/08/2021	TRaC Bottom	Dissolved Oxygen	% Saturation	Percentage Saturation	100	- 8	OK	1	100	OK.	1 1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	EE620 - E Spike Island	Surveillance	Cork County Council	21-07365	18/05/2021	TRuC Bottom	Dissolved Oxygen	% Saturation	Percentage Saturation	102	- 3	OK:	1	102	OK .	
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Sarveillance	Cork County Council	21-17709	02/11/2021	TRaC Surface	Dissalved Oxygen	% Saturation	Percentage Saturation	85		OK .	1	85	OK	- 1
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	£E620 - E Spike Island	Surveillance	Cork County Council	21-17710	02/11/2021	TRUC Bottom	Dissalved Onygen	% Saturation	Percentage Saturation	82	- 2	OK.	1	82	OK	- 1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LEG20 - E Spike Island	Survettance	Cork County Council	21-07385	18/05/2021	TRuC Bottom	ortho-Phosphate (as P) - unspecified	Ngm	miligrams per ltrv	- 2	<0.005	OK .	0.005	0.0025	<0.00S OK	0.005
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10224	30/06/2021	TRaC Surface	ortho-Phosphate (as P) - unspecified	mg/t	milligrams per litre	0.0051		OK	0.005	0.0051	OK	0.005
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	cE620 - E Spike Island	Surveillance	Cork County Council	21-14328	23/08/2021	TRaC Surface	ortho-Phosphate (as P) - unspecified	mg/f	milligrams per litre	- 3	<0.005	OK.	0.005	0.0025	<0.005 OK	0,005
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07386		TRaC Surface	ortho-Phosphate (as P) - unspecified	mg/l	milligrams per litre	- 3	<0.005	ΩK	0.005	0.0025	<0.005 OK	0.005
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10223		TRuC Bottom	ortho-Phosphate (as P) - unspecified	mg/l	milligrams per litre		<0.005	OK:	0.005		<0.005 OK	0.005
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10224		TRaC Surface	pH	pH units	pH Units	8.2	- 2	OK	2	8.2	OK.	
Cork Harbour	(E_SW_060_0000	Coastal	CW05003150LE8083	EE620 - E Spike Island	Surveillance	Cork County Council	21-073B6		TRaC Surface	Salinity	P5U	Practical salinity units	32.8	- 3	OK.	0.1	32.8	OK	0.1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003158LE8003	LE620 - E Spike Island	Sorveillance	Cork County Council	21-10223		TRuC Bottom	Salinity	PSU PSU	Practical salinity units	35	-	OK	0.1	35	OK	0.1
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LEB003	£E620 - £ Spike Island	Surveillance	Cork County Council	21-10224		TRaC Surface	Salinity	PSU	Practical salinity units	34.4	- 2	OK.	0,1	34.4	OK	0.1
Cork Harbour	E_5W_060_0000	Coastal	CW05003150LE8003		Surveillance	Cork County Council	21-07386		TRUC Surface	SH	pH units	pH Units	8.2	- 2	OK.	. 2	9.2	OK	- 2
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003 CW05003150LE8003	LE620 - E Spike Island CE620 - E Spike Island	Surveillance Surveillance	Cork County Council Cork County Council	21-17710		TRAC Bottom	pH pH	pH units	pH Units on Units	7.9 8.1	- 8	OK	2	7.9 8.1	OK OK	- 2
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	econo rispino insuin	Surveillance	Cork County Council	21-1/385		TRaC Surface	pH	pH units	pH Units	8.1	-8	OK.	- 1	81	OK OK	1 5
Cork Harbour	IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-14329		TRAC Bottom	pH .	pH units	pH Units	9.2	- 6	OK.	2	8	OK OK	- 19
Cork Harbour	06 SW 060 0000	Cnastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-17709		TRaC Surface	uH	att units	gH Units	7.9	- 3	QK .		7.9	QK.	1 10
Cork Harbour	IE SW 060 0000	Coastal	CW05083158LE88083	LE620 - E Spike Island	Surveillance.	Cork County Council	21-10223		TRuC Bottom	Salinity(Lab)	0/00	0/po	34.4	-	OK:	0.1	34.4	OK	0.1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-14328		TRaC Surface	Salinity(Lub)	0/00	0/00	33.1	- 83	OK	0.1	33.1	OK	0.1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	ŁE620 - E Spike Island	Surveillance	Cork County Council	21-17709	02/11/2021	TRaC Surface	Salimity(Lab)	0/00	0/00	30.1	2	OK .	0.1	301	OK	0.1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003158LE8003	LE620 - E Spike Island	Sorveillance	Cork County Council	21-07386	18/05/2021	TRaC Surface	Silica (as SiO2)	mg/t	milligrams per litre	0.14		OK	0.1	0.14	OK	0.1
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	cE620 - E Spike Island	Surveillance	Cork County Council	21-14328	23/08/2021	TRUC Surface	Silica (as SiO2)	mg/l	milligrams per libre	0.16	- 8	OK.	0.1	0.16	OK	0.1
Cork Harbour	E 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Survellance	Cork County Council	21-17709	02/11/2021	TRUC Surface	Silica (as SiO2)	mg/l	miligrams per litre	0.83	- 33	OK.	0.1	0.83	OK	0.1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-17710	02/11/2021	TRaC Bottom	Sálca (as SiO2)	mg/t	milligrams per litre	0.43		OK	0.1	0.43	OK	0.1
Cork Harbour	iE_SW_060_0000	Coastal	CW05003150LE8003	cE620 - E Spike Island	Surveillance	Cark County Council	21-14328	23/08/2021	TRUC Surface	Pheophytin a	Aug/I	Microgrammes per Litre	0.25	- 8	OK :	0.01	0.25	OK	0.01
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Survellance	Cork County Council	21-07385	18/05/2021	TRUC Bottom	Salmity	P5U	Practical salinity units	35.4	- 8	OK.	0.1	35.4	OK	0.1
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-14328	- marketal energ	TRaC Surface	Saknity	PSU	Practical salinity units	32.7		OK.	0.1	32.7	QK	0.1
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Cauncil	21-14329		TRaC Bottom	Salinity	PSU	Practical salinity units	33.2	- 3	ΩK	0.1	33.2	OK.	0.1
Cork Harbour	1E_SW_060_0000	Coastal	CW05083158LE8003	LE620 - E Spike Island	Surveillance.	Cork County Council	21-17709		TRaC Surface	Salinity	PSU	Practical salinity units	29.5		OK	0.1	29.5	OK	0.1
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-073B6		TRaC Surface	Temperature	A°C.	Degrees centrigrade	13	- 3	OK	-	13	OK	- 6
Cork Harbour	IE 5W 060 0000	Coastal	CW05003150LE8003	ŁE620 - E Spike Island	Surveillance	Cork County Council	21-10223		TRuC Bottom	Temperature	Á°C	Degrees centrigrade	15.1	- 3	OK.	5	15.1	OK	- 15
Cork Harbour	IE 5W 060 0000	Coastal	CW05003158LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07385		TRuC Bottom	Salinity(Lub)	0/00	0/00	34.6	-	OK	0.1	34.6	OK	0.3
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LEB003	£E620 - E Spike Island	Surveillance	Cork County Council	21-07386		TRaC Surface	Salinity(Lub)	0/00	0/00	32.3	- 2	OK.	0.1	32.3	OK	0.:
Cork Harbour	HE 5W 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-10224	30/06/2021	TRUC Surface	Salinity(Lab)	0/00	0/00	33.7	- 8	OK.	0.1	33.7	OK	0.3
Cork Harbour	IE_5W_060_0000	Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07385		TRuC Bottom	Silica (as SiO2)	mg/t	milligrams per litre	0.12	-	OK	0.1	0.12	OK OK	0.:
Cork Harbour	IE_SW_060_0000	Coastal	CW05003150LE8003	CE620 - E Spike Island	Surveillance	Cork County Council	21-14329	23/08/2021	TRuC Bottom	58ica (as 5i02)	mg/f	milligrams per litre	0.12	- 3	OK.	0.1	0.12	- 401	0.1
Art of the second		Coastal	CW05003150LE8003	LE620 - E Spike Island	Surveillance	Cork County Council	21-07385	18/05/2021	TRuC Bottom	StationDepth:	m	Metres	20	- 22	UK,	0.1	20	OK	0.1
Cork Harlsour			distantant side of	carbo services		Acres de la companya del companya de la companya del companya de la companya de l	Decreasing.	A ROBERT CO.					492			1006.2	4.00	dest	
Cork Harbour Cork Harbour Cork Harbour	IE SW 060 0000 IE SW 060 0000	Coastal	CW05003150LE8003	LE620 - E Spike Island LE620 - E Spike Island	Surveillance	Cork County Council	21-14329 21-14329		TRaC Bottom TRaC Bottom	StationDepth Temperature	m	Metres Degrees sentrigrade	17.5 15.2	-	OK	0.1	17.5	OK OK	0.1

Cork Harbour	6 SW 060 0000	Countral	CW05003150LEB000	COCCO - E Spike Island	Surveillance	Cork County Council	21-10223	30496/2021	TRuC Settom	Satisficati	In.	Metres	21.1	F 3	loc I	0.1	21.1	lox.	9.1
	E SW 060 0000			10020 - E Spiler Island	Spreitlence	Cork County Council	21-10024		TReC Surface	StationDepth	2	Metres	21.1		OK	0.5	21.1	OK.	0.1
	E SW 060 0000	Constal	CW05000150LEB003	LC620 - E Spiles Island	Sprietlance	Cork County Council	21-17709		TRuC Surface	SutphDepth	-	Metres	17.5	0 0	nic.	2.5	175	OK.	0.1
	£ 5W 060 1000	Countral		CCC2D-E Spiller Island	Sprietbece	Cork County Council	21-17700		TRuC Surface	Temperature	Arc.	Degrees contrigrade	12.2	1	nu.	- 4.2	12.2	OK.	90.4
	E 5W 060 0000	Countai	CW05000150LEB0E3	LCG2D - E Spille Island	Spreellance		21-07985		TRaC Betton	Temperature	Inc.	THE STATE OF THE S	10.9		COX.	-	10.9	OF.	_
Cork Harbour			1000	11.00		Cons County Council	-				A.C.	Degrees contrigrade		2	LON	200		CR.	1222
Cork Harbour	E_SW_060_0000	Coostat	CM-02/03/01/01/1900/3	LEE2D - E Spiler Island	Somethance	Cork County Council	21-14329		TRuC Ecttors	Total Distind Nitrogen (in N)	176/1	miligrams per litre	0.028	2	CK-	0.01	0.028	CR.	0.01
	E_SW_060_0000	Constat	CHA02003T7STTB003	LEEZO - E Spilor toland	Samethore	Cork County Council	21-17710		TRuC Bettorn	Total Distined Nitrogen (as R)	reg/T	rodigrams per titus	0.14	3 8	CIK:	0.00	B.14	OK.	0.01
	E_SW_065_0000	Cosetal	CW(5003150LER003	LEEGO - E Spiler Island	Surveillance	Cork County Council	21-07385		TRuC Ecttory	Transpanency	(III	Metries	2.5	0 33	CHI	\$ 11	3.5	OK.	
	E SW_060_0000	Countai	CWDS003150LEB003	10020 - E Spile Island	Surveillance	Cork County Council	21-10224		TRuC Surface	Transpirency	en .	Metres	2.5	V 5	OK:	3 2	2.5	CK:	2 3
Cork Harbour	6 2M 060 0000	Countal	CMG800331201EB005	LEGZD - E Spike Island	Spreetlance -	Cork County Council	21-17710		TRoC Settom	Transparency	m	Metres	1.8	3 4	OK.	2 - 4	1.8	OK.	3 8
Cork Harbour	E_SW_060_0000	Coostal	CW05003150LEB003	LEG20- E Spile Wand	Spriettence	Cork County Council	21-07385	18/05/2021	TRuC Bettern	Total Oxidised Nitrogen (as N)	(Tgm	colligrams per litre	0.017	X - S	OK:	0.05	0.017	OK.	0.01
Cork Harbout	0000_000_W2_3	Cosital	CW05000150LEB000	CCC2D - C Spiller Island	Sphallage	Cork County Council	21-07388	16/05/2021	TRuC Surface	Total Oxidized Nitrogen (si N)	mart	miligramo per litra	0.07	š - 3	COX:	0.01	0.07	OK:	0.01
		Conetal	CW050031561EB003	10620 - 6 Spiler Island	Sometheren	Cork County Council	21-10323		TRuC Bottom	Total Oxidized Nitrogen (as N)	Digm	miligrams per litte		10.05	DK:	0.01	0.005 eq.6s	OKC	10.01
Cork Harbour	E_SW_060_0000	Cosetal	CW05000150LE8003	CCC2D - 6 Spiller Island	Surveillance	Cork County Council	21-10024	30/06/2021	TRuC Surface	Total Oxidized Nitrogen (as N)	reg/l	rvilligrams per litte	0.03	8 1	OK	0.01	0.03	OK.	0.01
Cork Harbour	\$ 5W_060_0000	Countal	CW09000116LE8003	LEGAD - E Spiler Island	Somethance	Cork County Council	21-07384	18/05/2021	TRuC Surface	Transpariency	im	Metres	1.5	8 8	OK-	8 4	35	OK:	2 8
Cork Harbour	E_SW_000_0000	Constal	CW05003130U3003	SEEDS - E Spilor Island	Somethice	Cork County Council	21-10023	30/06/7021	TRaC Rettorn	Transguency	m	Wether	25	8 8	CHI	8 4	1.5	OK:	8 6
Cort Harbour	0000 000 W2 3	Constal	CW05003150LE8003	bretit sing? 3 - 05333	Samethinge	Cark County Council	21-17709	02/11/2021	TRiaC Surface	Transparency	en	Wetras	1.0	8 8	000	3	1.0	OK.	3 33
Cork Harbour	90 000 0000 W2 31	Countai	CW05003120LEB003	10020 - C Spile Island	Surveillance	Cork County Council	21-14329	23/06/2021	TRuC Settow	Transparency	m	Metres	2.5	3 6	DK:	(i )	2.5	ÓK:	8 0
Cork Harbour	6 SW 060 0000	Countal	CM680031701EB005	LEGID - E Spiler Island	Spreetlance -	Cork County Council	21-14326	23/08/2021	TRoC Surface	Ammonia-Total (as N)	Tigm.	rolligrams per litre	0.031	0.0	OK.	0.05	0.031	OK.	10.01
Cork Harbour	E 5W 060 0000	Countal	CW05003150LEB003	LC620 - E Spilor Wand	Sproetherce	Cork County Council	21-07184	18/05/0021	TRUC Surface	900 - 5 days (Tutal)	mail	colligrama per litre		ci	OK:	- 5	0.5 <2	OK.	- 1
Cork Harbout	© 5W DGD 5000	Constal	CW05000150LEN000	CCC2D - C Spiller Island	Spinelitiece	Cork County Council	21-10323		TRuC Bottom	900 - Sidaye (Total)	mail	miligrams per litre	24	et	CW:	2 6	0.5 e2	CW.	9 3
Cork Harbour	E 5W 06D 0000	Constal	CW0500015048000	10020 - E Sollie Island	Somethings	Cork County Council	21-17709		TRuC Surface	800 - 5-days (Tutal)	mail	rolligrams per litre	_	e1	riv.		0.5 e2	CW.	- 7
	£ 5W 06E 0000	Countral	CM-02030130111003	LCE2D - E Spiler Inland	Spreetback	Cork County Council	21-17710	-	TRuC Settom	900 - 5 days (Total)	mail:	miligram per litre	0 1	24	rw.	2 4	05-41	OR:	3 3
	E SW 060 1000	Constal	CW05003150LEB003	LEEJO - E Spiler Island	Springlance	Cork County Council	21-10024		TRaC Surface	Chiprophyll a @lugrescence)	Augit	Wicoparatistes per Litre	0.32	S.A	rai.	0.00	852	OK .	0.01
		Countral		LEGIO - E Spile triand	Spreetherp	Cork County Council	21-17709		TRaC Surface	Chiprophyti a Glucrescencel	Augit	Wicrogrammes per Libre	0.31	9 8	OW	0.01	0.31	OK.	0.01
	E 9W 06E 0000		CW0500315048000	LEBZO - E Spiler Island	Sarveitience	Cork County Council	21-16329		TRuC Rottom	ormo-Phosphate (as P) - unspecified	mg/t	rulligrams per litre	-	<0.00%	COX.	8,005	8.0025 e0.005	OK.	0.005
	E SW 060 0000	Countral	CWDS003150LEB003	LEGIO - E Spile Island	Surveillance	Cork County Council	21-17709	-	TRuC Surface	ortic Phosphate (as F) - unspecified	marii.	rolligrams per litre	0.025	Yerone.	rov.	0.005	0.025	OK.	0.005
	E SW 060 0000	Countral	CM68033170119003	LCE20 - E Spiler Island	Spreetherge	Cork County Council	21-10022		TRaC Sottom	or this emosphage (see e) - unique priess	oli units	of Units	8.2		ann.	0.005	82	OK.	10000
77.7	E SW 060 0000	Countai				The state of the s	21-07386		TRUC Gurtace	pH .			6.72	1 3	Dir.	200	0.72	OR.	0.01
Cork Harbour				LGE20 - E Spike Hrland	Sometherce	Cont County Council	21-10024			Phesiphytin a	Augit	Microgrammes per litre	0.72	5 9	COS.	0,05	0.16	CV.	0.01
Cork Harbour	£_9W_060_0000	Coolital	CW05000150LIH000	CCC2D - C Spiller Island	Somethere	Cork County Council	-		TRuC Surface	Pheophysica	Augit	Microgrammes per Litre	_		CIK	0.01	7.77	CR.	
	E_SW_060_0000	Cosetal		10020 - 6 Spille Island	Something	Cork County Council	21-17709	241 241 241	TRaC Surface	Phesphysin a	Augit	Microgrammes per Litre	0.35		DK:	ROL	0.55	OK:	10.01
	E_SW_060_0000	Countral	CW0503013013003	LCE2D - E Spiler Island	Sometherce	Cork County Council	21-17710		TRuC Settom	Salisity	PSLI	Practical salivity units	33.4	2 1	OK-	0.1	12.4	OH:	0.1
	6_5W_060_0000	Constal	CW05003150LE8003	18620 - E Spilor Island	Servertance	Cork County Council	21-14329	23/06/2023	TRuC Bottom	Salinity(Lab)	0/00	Q/aa-	33.6	1 0	CHC	0.1	33.6	OK.	0.1
Corti Harbour	E_SW_065_0000	Cosetal	CW05003150LE8003	cEE20 - E Spile Wand	Surveillance	Cark County Council	21-17710		TRuC Bottom	Salinity(Lab)	D/aa	0/00	313	Sec. 33	CRC	0.5	23.0	OK:	0.1
Cork Harbour	E_SW_060_0000	Coastal	CM-D2003120FEB003	10020 - E Spile Island	Surveillance	Cork County Council	21-10223		TRuC Setton	Silica (as SiO2)	ത്യൂറി	miligrams per litra	0	3.08	OK:	0.5	0.05 =0.1	OK:	0.1
Cork Harbour	\$ SW_060_0000	Countal	CM62033120158005	LEG2D - E Spike Island	Spreetlance -	Cork County Council	21-10024		TRoC Surface	Silica (ex SiO2)	mg/l	rolligrams per litre	Si	<0.1	OK.	0.5	0.05 (0.1	OK.	0.1
Cork Harbour	E_SW_060_0000 .	Courtal	CW050001501280003	10620 - 6 Spiler Island	Spriettence	Cork County Council	21-07386	18/05/2023	TRoC Surface	StationDepth	76	Metres	30	3 3	DK.	0.5	20	OK:	0.1
Cork Harbour	E_SW_060_0000	Coostal	CW05003150LEB003	LEK20 - E Spiles Island	Something	Cark County Council	21-14121	23/08/2021	TRuC Surface	StationDepth	100	Metres	17.5	8	DIC:	0.5	17.5	OK:	0.1
Cork Harbour	0000_000_W2_B	Constal	CW050031501EH003	CCC2D - C Spiller Island	Spinettage	Cork County Council	21-17720	43/11/2021	TRuC Bottom	StationDepth	no	Metrus	17.5	2 3	OK:	0.1	17.6	OK.	0.1
Cork Harbour	E_9W_060_0000	Constat	CW05003150LE80E3	10020 - 6 Spille Island	Screetbacca	Cark County Council	21-20024	30/06/2021	TRaC Surface	Temperature	A.C.	Degrees contrigrade	16.1		DK:		16.1	OK:	
Cork Harbour	E_SW_06E_0000	Countral	CW05000130LE8000	LCE2D - E Spiler Island	Somethance	Cork County Council	21-14328	23/08/2021	TRuc Surface	Temperature	A'C	Degrees contriguide	15.2		OK-	35 7	15.2	OH:	5 17
Cort. Harbour	E_SW_060_0000	Constal	CW05003130LIBUES	18620 - E Spilor Island	Serveitance	Cork County Council	26-47738	44/11/7021	TRuC Rettom	Temperature	Arc.	Degress contrigrade	12.4	8 8	coc	\$	12.6	OK.	S i
	E SW 065 0000	Constal	CW05083150LER003	cEE20 - E Spile Wand	Surveillance	Cork County Council	21-14324	23/08/2021	TRuC Surface	Total Disidsed Nitrogen (as N)	ong/t.	vniligrams per litre	0.04	8 8	OK:	0.01	0.04	OK.	0.01
Cort Harbour																			
Cork Harbour Cork Harbour	s_SW_060_0000	Countral	CWDS003LS0LEB003	SDE2D - E Spile Island	Surveillance	Cork County Council	21-17709	02/11/2021	TRaC Surface	Total Oxidaed Nitrogen (st N)	mg/f.	religrams per litra	0.38	8 8	CIK:	0.05	0.38	OK:	0.01

Parameter Name	U/S Location	U/S Annual Mean	D/S Location	D/S Annual Mean	EQS	Status2
Ammonia mg/l			CW05003149LE9002	0.033		
BOD mg/l			CW05003149LE9002	1.000		
Dissolved Oxygen % Sat			CW05003149LE9002	95.500		120.000 Meeting
Ortho-P mg/I			CW05003149LE9002	0.075		
рН			CW05003149LE9002	8.050		
Suspended Solids mg/l			CW05003149LE9002	4.750	)	
TON mg/I			CW05003149LE9002	0.100		
Temperature oC			CW05003149LE9002	13.438	1	
Ammonia mg/l			CW05003150LE8003	0.037		
BOD mg/l			CW05003150LE8003	1.000		
Dissolved Oxygen % Sat			CW05003150LE8003	98.750		120.000 Meeting
Ortho-P mg/I			CW05003150LE8003	0.009	1	
pH			CW05003150LE8003	7.050		
Temperature oC			CW05003150LE8003	13.750	4	