

2021 Bathing Season Report

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Water Pollution Control - Section

The Water Pollution Control Section is responsible for the protection of waters within Dublin City Council's administrative area.

Functions include:

- Trade Effluent Licensing
- Surface Water Monitoring
- Incident Response and Reporting
- Complaint Investigation
- Misconnection Programme
- Rack Maintenance
- Removal Flooding Obstructions



Applicable legislation:

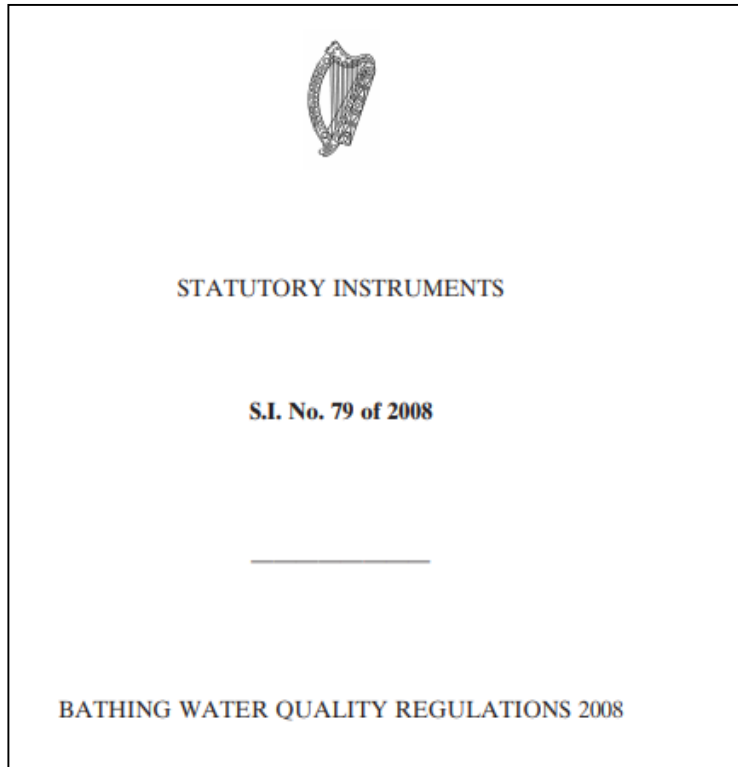
- Local Government (Water Pollution) Act 1977
- Water Framework Directive
- Bathing Water Regulations 2008

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Bathing Water Regulations



Bathing Water Regulations

SCHEDULE 3

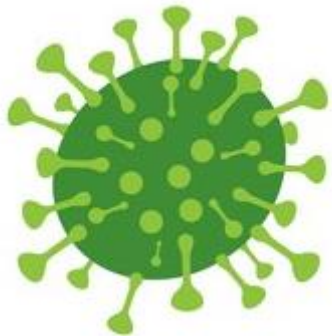
MONITORING, INSPECTIONS AND INVESTIGATIONS TO BE CARRIED OUT

1. Bathing waters shall be monitored in respect of the parameters intestinal enterococci and escherichia coli.



For coastal waters and transitional waters

	A	B	C	D	E
	Parameter	Excellent quality	Good quality	Sufficient quality	Reference methods of analysis
1	Intestinal enterococci (cfu/100 ml)	100 (*)	200 (*)	185 (**)	ISO 7899-1 or ISO 7899-2
2	Escherichia coli (cfu/100ml)	250(*)	500 (*)	500 (**)	ISO 9308-3 or ISO 9308-1



Bathing Water Regulations

Sandymount Strand



BN2 Bathing Prohibition Notice Temporary

22/08/21



WARNING



DO NOT SWIM

SWIMMING IN THIS WATER MAY CAUSE ILLNESS

BATHING IS PROHIBITED DUE TO: Risk of deterioration in water quality due to storm water overflow

LIKELY CAUSE: Heavy Rainfall

EXPECTED DURATION: < 72 hours

ACTIONS TAKEN/PROPOSED: Beach to be resampled and results made available. HSE and EPA notified.

For further information please contact: Dublin City Council, Tel: 01 222 2222 or

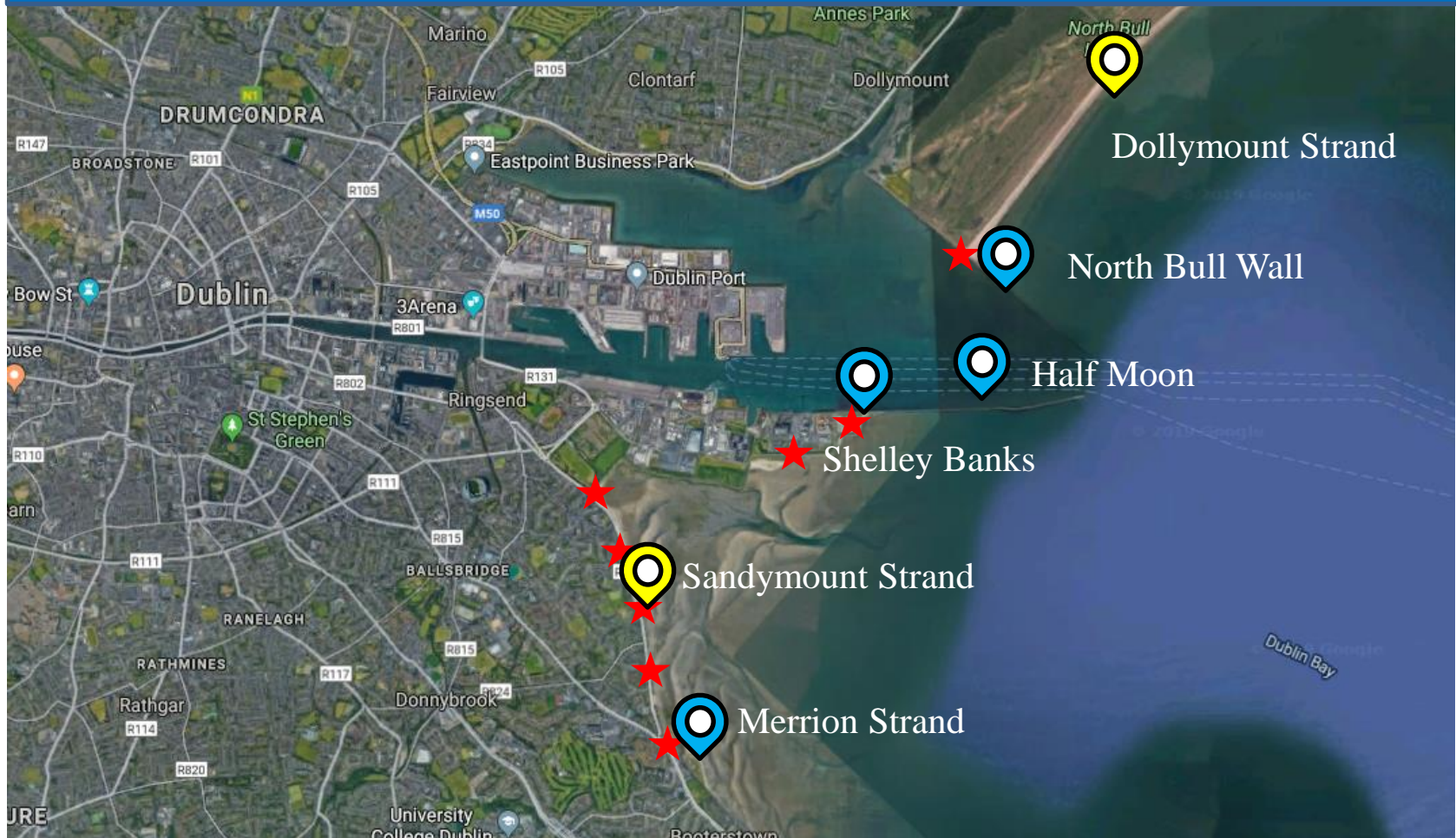
bathing.water@dublincity.ie

Visit: www.beaches.ie or www.dublincity.ie/bathingwater

Water pollution @ Sandymount

 Dublin City Council

Bathing Waters in DCC



Legend:



Designated bathing water



Other monitored water

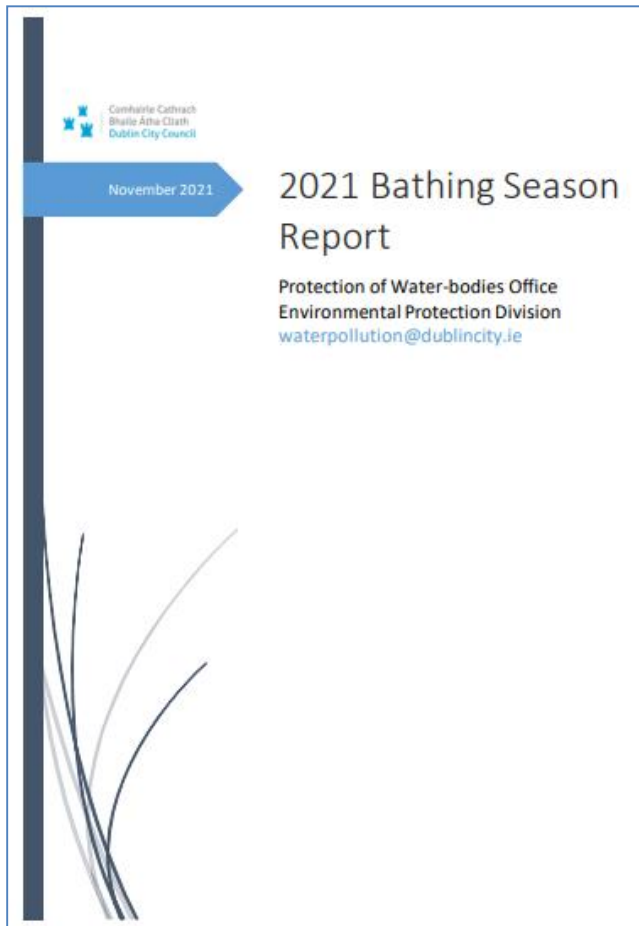


Information Cabinet



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2021 Bathing Water Report



1. Introduction
2. Bathing Water Results
3. Summary of Warnings Raised
4. PCR testing
5. Communications
6. Classification

























































































































[2021 Bathing Season Report \(dublincity.ie\)](https://dublincity.ie/2021-Bathing-Season-Report)





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2021 Bathing Water Results

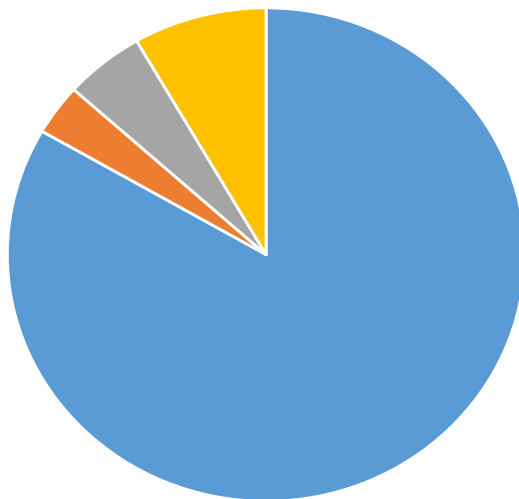
	2021 (Inside Bathing season)																			
DATE OF SAMPLE	25/05	08/06	15/06	22/06	27/06	05/07	06/07	13/07	20/07	27/07	03/08	09/08	10/08	18/08	23/08	25/08	01/09	05/09	07/09	15/09
DOLLYMOUNT																				
SANDYMOUNT																				
MERRION																				
SHELLEY BANKS																				
HALF MOON																				
NORTH BULL WALL CAUSEWAY																				

	Indicates excellent water quality – Samples should not exceed 250 MPN E. Coli and 100 CFU Intestinal Enterococci per 100 ml.
	Indicates good water quality – Samples should not exceed 500 MPN E. Coli and 200 CFU Intestinal Enterococci per 100 ml.
	Indicates sufficient water quality - samples should not exceed 1,000 MPN E. coli and 250 CFU Intestinal Enterococci per 100 ml
	Indicates poor water quality - samples exceed 1,000 MPN E. coli and 250 CFU Intestinal Enterococci per 100 ml
Date*	Additional Investigative Sampling carried out

MPN = Most Probable Number
CFU = Colony Forming Unit

2021 Bathing Water Results

Bathing Water	Excellent		Good		Sufficient		Poor	
Dollymount Strand	18	→	-	↓	1	↑	1	↑
Sandymount Strand	14	↓	-	→	1	↑	5	↑
North Bull Wall	14		2		2		2	
Half Moon	20		-		-		-	
Shelly Banks	18		2		-		-	
Merrion Strand	16		-		2		2	



■ Excellent ■ Good ■ Sufficient ■ Poor

Status	Samples
Excellent	100
Good	4
Sufficient	6
Poor	10

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2021 Bathing Water Classifications

Annual Water Quality Rating



Good

Dollymount Strand

2021	2020	2019	2018
Good Quality	Good Quality	Excellent Quality	Good Quality

Annual Water Quality Rating



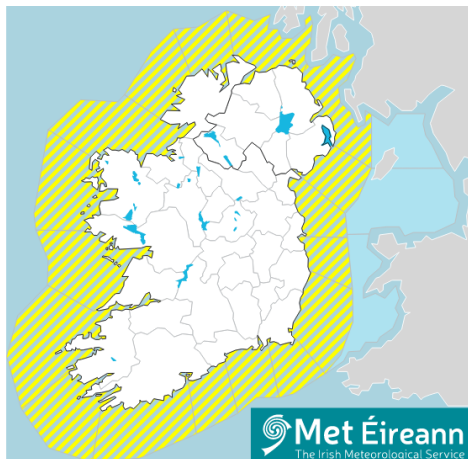
Sufficient

Sandymount Strand

2021	2020	2019	2018
Sufficient Quality	Sufficient Quality	Sufficient Quality	Poor Quality

Summary of Warnings Raised

Number	Warning Type	Likely Cause
2	Prior Warning	Weather warning
1	Precautionary Prohibition	Overflow RWWTP
5	Temporary Prohibitions	Dog fouling, bird fouling, urban waste water overflows



Sandymount Strand

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BNO Bathing Prohibition Notice Temporary
17th June 2021

WARNING

DO NOT SWIM

SWIMMING IN THIS WATER MAY CAUSE ILLNESS

BATHING IS PROHIBITED DUE TO: Water quality deteriorated due to suspected impacts from animals/birds

LIKELY CAUSE: Animals/birds

EXPECTED DURATION: < 72 hours

ACTIONS TAKEN/PROPOSED: Beach to be resampled on the 17th June 2021. HSE and EPA notified.

For further information please contact: Dublin City Council, Tel: 01 222 2222 or bathing.water@dublincity.ie
Visit: www.beaches.ie or www.dublincity.ie/bathingwater



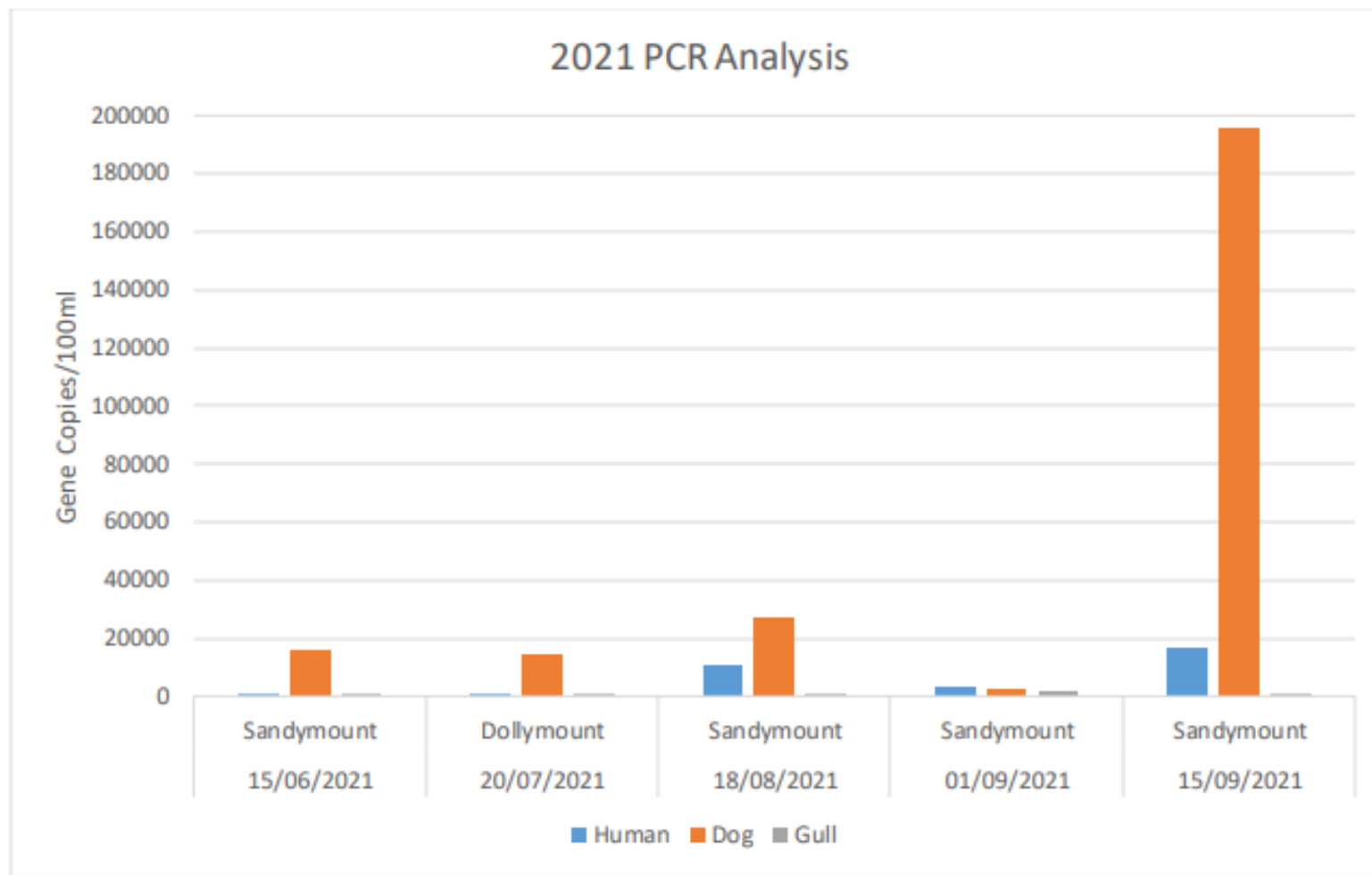
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Complimentary PCR/MST Analysis

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-
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Complimentary PCR/MST Analysis

- Sporadically, the human faeces marker was detected and likely contributing to high levels of E.Coli
- Dog faeces marker was the *most frequently detected and quantified faeces marker* and at times reached *very high levels*.



- Unlike other bathing water pressures, dog fouling can be easily remediated by simply picking up after your dog

2021 BW Communications

Stakeholder	Communication
Irish Water	Wastewater reportable incidents
HSE	Consultation throughout bathing season
EPA	Reporting of bathing water incidents via BWIS which populates information for the EPA national bathing water website www.beaches.ie
Councillors	7 councillor questions and 4 motions tabled in relation to bathing waters
Public	Statutory information provided in designated bathing water cabinets. Bathing water results available online at www.dublincity.ie/bathingwaters
Public	75 correspondences received during the season
Public participation	Public participation held between May 13 th and June 30 th 2021. Newspaper notice published in the Irish Independent by the LGMA on 17/05/21.

DCC Actions

- Initiatives/Projects
 - Bathing Water Taskforce
 - Bathing Water Expert Group
 - Complimentary MST analysis
 - Predictive modelling – part funding
 - Smart Signage Project
 - Dog fouling production
 - Collaboration 3rd level colleges
 - UCD Acclimatize Research Project
 - NUIG Ectocarpus Research Project
 - Examination of Bye-Laws
 - Dog warden patrols
 - Green infrastructure Projects



DCC Actions

- Communication Strategy
 - Consistent and coherent message
 - EPA, Department, IW, LA's
 - Clarify and streamline information
 - www.beaches.ie
 - Improved dog fouling signage
 - Cork County Council
- Coordination of operational activities
 - Catchment misconnection surveys
 - Coordinated monitoring programmes
 - Telemetry – activations
 - Prompt maintenance, corrective actions
 - Surveys – dog fouling





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Thank you
Questions & suggestions
welcomed

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