





# Safety First on Belfast Lough

## Welcome to

## **Belfast Harbour**

Recreational Craft Must Contact "Belfast Harbour Radio" on VHF Channel 12 for traffic clearance to enter/exit.

All users of the Lough are expected to operate in a safe & responsible manner.

Users are required to always comply with international collision regulations.

Users are reminded to check the sailing & arrival times of ferries in the area.

Users are advised of the possibility of unexpected wavewash generated by shipping using Belfast Harbour.







# Welcome to Belfast Harbour

I am pleased to present the 2019 Tide Tables for Belfast Harbour.

I trust you will find the information contained within to be beneficial for your safe enjoyment of Belfast Harbour.

May I take this opportunity to draw your attention to the Notice to Mariners No.1 of 2019. This notice is a summary of all notices in force at the start of 2019 and can be found on our website www.belfast-harbour.co.uk.

I encourage you to visit the website regularly to acquaint yourself with the most up-to-date navigational safety information.

I wish you a safe and enjoyable visit to Belfast Harbour.

Captain K G Allen Belfast Harbour Master

Tide Tables 2019

## Safety First Lifejackets

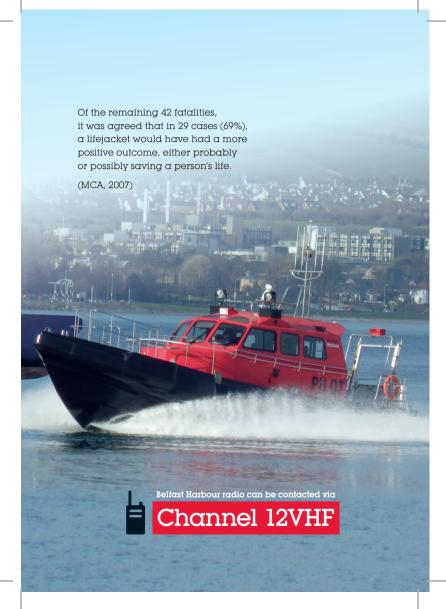
## "Lifejackets save lives" (MCA, 2007)

Notice is hereby given that it is strongly recommended that all recreational boat users in Belfast Harbour wear correctly maintained, fit for purpose Lifejackets and Buoyancy Aids at all times when at sea.

On 4th July 2008 an expert panel review, comprising of staff from the RYA, RNLI, MAIB, and industry, was convened to analyse fatal maritime incidents in 2007 and assess whether a lifejacket would have made a difference in saving a person's life.

After reviewing each incident, the panel had to choose from whether it was Probably, Possibly or Unlikely that the person would have been saved by wearing a lifejacket that was suitably maintained, correctly worn and fit for purpose, or alternatively, that it was Not Appropriate for the person to have been wearing a lifejacket in the particular incident under review.

From a total of 133 fatalities, 91 were deemed as Not Appropriate for the casualty to be wearing a lifejacket. These deaths covered recreational activities such as Diving and Coastal Walking where there is no call for the participant to wear a lifejacket, and other 'misadventures' where a person ended up drowning despite not taking part in any maritime activity.





# Information for Leisure Craft visiting Belfast Harbour

Belfast Harbour Marina located in Abercorn Basin welcomes leisure craft

This facility, which is due for significant expansion in Spring 2019, presently consists of 425m of fully serviced recreational pontoons which are available for visiting and seasonal berthing.

The maximum available depth in the Marina is 4m. Vessels greater than 4m draught or 15m length overall wishing to visit Belfast should contact the Harbour Master's Office prior to arrival. For more information on visiting the Marina, including tariffs, please visit the website - www.belfast-harbour.co.uk/port/marina

The following information has been provided for the benefit of recreational users, however current Notice to Mariners and guides should always be consulted on Belfast Harbour's website www.belfast-harbour.co.uk/port/navigation-pilotage/notice-to-mariners

In addition to the code of conduct (p10-13 overleaf), users of leisure craft should refer to and abide by 'Operating Rules within Belfast Harbour' which are available at

www.belfast-harbour.co.uk/port/marina/operating-rules

Tide Tables 2019

# Belfast Harbour Code of Conduct

### 1 Conduct of Transits to and from Berths

- Vessels transiting to and from berths must do so under power, yachts should have their sails down.
- 1.2 No vessels are permitted to be underway inside Harbour Limits during hours of darkness, unless vessels are fitted with the appropriate navigation lights as prescribed by the Collision Regulations.
- 1.3 Recreational craft not fitted with operational radar are not normally permitted to make transits of the Inner Harbour or Victoria Channel when visibility is less than 0.5 nautical miles.
- 1.4 Leisure craft are not permitted in Herdman Channel, or Musgrave Channel unless navigating to the Connswater.
- 1.5 Except where these Guidelines otherwise require; The International Regulations for Prevention of Collision at Sea (Collision Regulations) apply throughout Belfast Harbour Limits.

- In particular, attention is drawn to Rule 9, narrow channels vessels should keep as near to the outer limit of the channel or fairway which lies on her starboard side as is safe and practicable.
- 1.6 The Master of a leisure craft shall ensure it is manoeuvred in a manner so as not to cause injury, nuisance, excessive wash, damage to property, loss of life, and must keep well clear of vessels fishing, dredging or otherwise working whilst underway.
- 1.7 All vessels must be equipped and manned to undertake all transits safely.
- 1.8 All vessels should carry Admiralty Chart 1752 or equivalent.
- 1.9 All vessels must carry sufficient number and type of lifejackets for those on board.
- 1.10 No sightseeing or stopping is permitted during transit.
- 1.11 Leisure craft must proceed at a safe and appropriate speed, and not exceed a maximum speed of 6 knots to South-West of the Twin



- Beacons unless granted prior consent by the Harbour Master.
- 1.12 Craft must maintain minimum safe speed when navigating near small craft moorings.
- 1.13 The Master of any vessel must comply with any temporary speed restrictions imposed by Port Control

#### 2 Compliance with Directions

The Master of any vessel shall comply with any direction given to him by the Harbour Master or an officer designated by the Harbour Master to do so on his behalf.

### 3 Priority of Vessels within Belfast Harbour Limits

- 3.1 Leisure craft shall not impede the passage of any vessel greater than 20m in length navigating within the inner Harbour or Victoria Channel.
- 3.2 Leisure craft, which are not confined to the fairway, shall not make use of the fairway so as to obstruct other vessels which can navigate only within the fairway, and when navigating across the Channel or through the inner Harbour shall do so by the shortest route that will avoid such obstruction.
- 3.3 Any vessel upon encountering a vessel exhibiting the signals prescribed by the Collision Regulations for vessels constrained by their draught, shall afford such vessels a minimum distance of 5 cables aftern.

### 4 Carriage of VHF / Mobile Telephone & Communication with Port Control

- 4.1 Belfast Harbour strongly recommend all vessels navigating within Harbour Limits to carry VHF radio. Where carried, VHF radio watch is to be maintained on Ch 12 when within port limits.
- 4.2 Where no VHF is carried, a mobile telephone should be used in cases of emergency to contact Port Control.
- 4.3 Port Control, callsign "Belfast Harbour Radio", maintains a listening watch at all times on VHF channel 12. Port Control is also contactable in case of emergency by telephone on – 028 9055 3010.
- 4.4 Inward vessels must report to Port Control when:
  - Entering the Main Channel, stating location
  - Arriving at their berth
- 4.5 Departing vessels must report to Port Control when:
  - Prior to departing their berth
  - Upon exiting the main channel, stating location
- 4.6 Vessels wishing to cross the Victoria Channel to the South-West of No.2 buoy must contact Port Control.
- 4.7 Any emergencies should be communicated firstly to Belfast Coastguard on VHF Ch 16, and to Port Control.
- 4.8 Vessels should avoid excessive use of VHF Ch 12 wherever possible.

Tide Tables 2019

#### 5 Age of Master

No person under the age of 16 years shall steer or navigate within the Harbour any power driven vessel unless in possession of an appropriate RYA qualification or accompanied by a person of 18 years or older.

### 6 Navigation under the influence of Alcohol or Drugs Prohibited

The Master of any vessel shall not move the vessel within Harbour Limits if his ability to do so is impaired by drink or drugs or if the proportion of alcohol in his breath, blood or urine exceeds

- i) In the case of breath, 35
  micrograms of alcohol in 100 ml
- ii) In the case of blood, 80 milligrams of alcohol in 100 ml, and
- iii) In the case of urine, 107 milligrams of alcohol in 100 millilitres.

#### 7 Public Landings

The Master of a vessel shall not place his vessel or allow it to be in such a situation as to obstruct or interfere with the access to any recognised landing place or leave it moored alongside any such landing place unattended without the permission of the person in charge of that landing place.

#### 8 Water Sports

Water Skiing, Wind Surfing, Kite Surfing, Jet Skiing, rowing, canceing or kayaking are not permitted in the Inner Harbour or Victoria Channel without prior permission from the Harbour Master

#### 9 Diving / Swimming

- 9.1 No swimming or recreational diving is permitted inside the Inner Harbour or Victoria Channel
- 9.2 Diving elsewhere within Harbour Limits is only permitted with prior consent of the Harbour Master
- 9.3 Those wishing to undertake commercial diving operations should contact Port Operations during office hours.

#### 10 Events

Organisers of water based events anywhere inside Harbour Limits are required to provide a minimum of 14 days notice in writing to the Harbour Master, and provide event plans, risk assessments, and evidence of insurance as appropriate.

### 11 Rigging to be Secured

Any vessel when moored within Harbour Limits fitted with a mast shall at all times ensure the rigging is secured so that it does not make undue noise.

#### 12 Provision of Proper Fenders

The Master and the owner of a vessel shall ensure that she is provided with a sufficient number of fenders of a type that would float in water and a size appropriate to the vessel and, when berthing and leaving or lying at a quay, pontoon, or against other vessels, the Master shall cause the vessel to be fended off from that quay or those other vessels so as to prevent damage to that quay, pontoons, those other vessels or any other property.



## Belfast Harbour Code of Conduct (Cont.)

#### 13 Access Across Decks

The Master of a vessel alongside a quay, pontoon, or alongside any vessel already berthed within the Harbour shall, if required to do so by the Harbour Master or other authorised officer, give free access across the deck of his vessel for persons and goods to and from vessels berthed alongside his decks.

#### 14 Unmooring of Vessels

No person except the Harbour Master or a person acting on behalf of the Harbour Master in pursuance of his duties shall for any purpose whatsoever unmoor or cast off or loose any mooring of any vessel moored within the Harbour without the previous permission of the owner or lawful Master of such a vessel.

#### 15 Vessels not to make fast to Unauthorised Objects

The Master of a vessel shall not knowingly cause or permit any person to secure the vessel to any post, quay, ring, tide board, steps, vertical ladder, fender or any other thing or place not assigned for that purpose.

#### 16 Fishing within Harbour Limits

16.1 No person shall fish or use any fishing apparatus anywhere within the Inner Harbour 16.2 The Master of a vessel shall ensure that no fishing apparatus is placed in or near the Victoria Channel in a manner that could pose a risk of being fouled by any vessel using the Victoria Channel or waters contiguous to it. If the owner of fishing apparatus shall not comply with any direction of the Harbour Master given to remove the apparatus, the Harbour Master may, on giving where reasonably practicable notice, remove such apparatus.

#### 17 Registration & Insurance of Leisure Craft Vessels

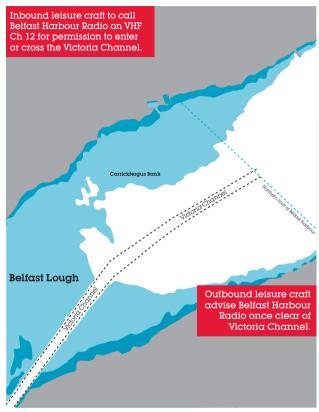
- 17.1 Every vessel must have their name or ID letters conspicuously marked on it.
- 17.2 Every vessel wishing to navigate within the Inner Harbour or use the Leisure Craft Facilities must have appropriate third party marine insurance to cover a minimum of \$2 million

## 18 Non Displacement Craft

Hovercraft, WIG craft and Seaplanes are not permitted within Harbour Limits without prior permission from the Harbour Master.

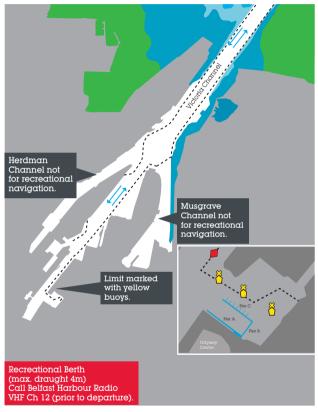
#### 19 Pontoon Access

19.1 The Pontoon should be kept clear of obstructions at all times to maintain a safe means of access.



For guidance only - do not use for navigation

## Guidance for recreational users



For guidance only - do not use for navigation

Tide Tables 2019

# Emergency Contact Numbers for recreational users

Coastguard

VHF Channel 16 Tel +44 (0)28 9146 3933 or 999

Belfast Harbour Radio VHF Channel 12

Belfast Harbour Office
Tel +44 (0)28 9055 4422

Port Operations

Tel +44 (0)28 9055 3014

Belfast Harbour Police

Tel +44 (0)28 9055 3000

Northern Ireland Fire & Rescue Service

Tel +44 (0)28 9266 4221 or 999

Northern Ireland Ambulance Service

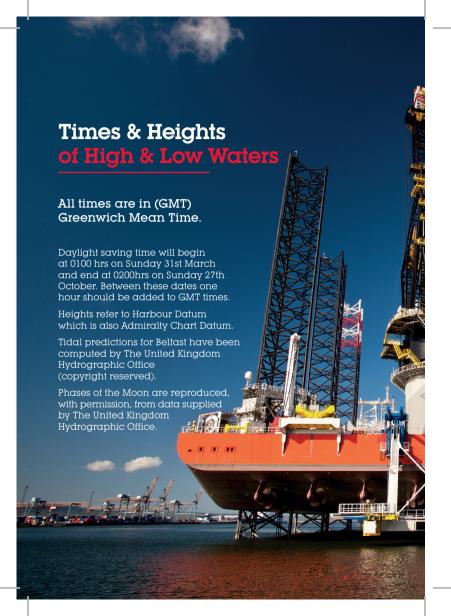
Tel 999

Attention is drawn to the Notices to Mariners on Belfast Harbour's website www.belfast-harbour.co.uk; in particular to Notice to Mariners No.1 of 2019.

## Constants

Port	Н	M
Ardglass	+0	23
Ayr	+0	56
Ballycastle	-3	20
Bangor	+0	10
Buncrana, Lough Swilly	-5	6
Carlingford Bar	+0	24
Campbeltown	+0	44
Coleraine	-4	3
Corran Narrows	-5	17
Crinan	+5	48
Donaghadee	+0	20
Douglas, IoM	+0	7
Dublin	+0	39
East Tarbert (Lough Fyne)	+0	55
Galway	-6	00
Gigha Sound	+3	31
Heysham	+0	11
Killyleagh, Co. Down	+2	2
Douglas, IoM Dublin East Tarbert (Lough Fyne) Galway Gigha Sound Heysham	+0 +0 +0 +0 -6 +3 +0	7 39 55 00 31 11

Port	H	M
Kyleakin	-4	28
Lamlash	+0	50
Larne	+0	4
Londonderry	-2	53
Mull of Kintyre	-0	24
Newcastle, Dundrum Bay	+0	30
Oban	-5	24
Point of Ayre	+0	3
Portavogie	+0	15
Port Ellen (Islay)	-6	0
Port Patrick	+0	10
Portree	-4	38
Portrush	-4	33
Red Bay	+0	6
Strangford Bar	+0	16
Strangford Quay	+1	52
Tobermory	-5	14
Warrenpoint, Co. Down	+0	30



# Follow these steps carefully

- The International Regulations for the Prevention of Collision at Sea Rules apply throughout the Lough. Know them and follow them.
- Give early notice of your intentions as ferries approach very quickly.
- · Check the ferry times in your area.
- Watch out for the ferry wash, especially when launching or retrieving boats.

For information on winter and summer berthing, please call 028 9055 3506 or e-mail m.office@belfast-harbour.co.uk

Further details are also available on the Belfast Harbour website: belfast-harbour.co.uk/port/marina

Tide Tables 2019

# Levels of Tides

	Above Harbour Datum	
	Feet	Meters
Mean High Water, Spring Tides	11.4	3.5
Mean High Water, Neap Tides	9.7	2.9
Mean Low Water, Spring Tides	1.4	0.4
Mean Low Water, Neap Tides	3.5	1.1
Highest Spring Tide on record 5th January 1991	16.07	4.9
Average range of tide (At Spring Tides) (At Neap Tides)	10.0 6.2	3.1 1.9

The Tidal current runs at the rate of .33 knot on Spring Tides, and .25 knot on Neap Tides.

#### Harbour & ordnance datum

Harbour Datum Level of No.2 Clarendon Dry Dock Sill, which is also Admiralty Chart Datum.

### Ordnance datum (1958)

6.61 feet (2.0 metres) above Harbour datum.

# Conversion Table

Care has been taken in compiling the information given, but Belfast Harbour cannot be responsible for any inaccuracy, mis-statement or omission.

## Moon symbols used:

- New
- O Full





## January 2019

1st Tuesday

2nd

Wednesday

 Time
 Metres

 0058
 0.8

 0732
 3.1

 1332
 1.0

 1947
 3.4

0159 0.8 0829 3.2 1433 0.9 2046 3.4

8.0

3.5 0.7

3.4

8.0

3.5

0.7

3.3

8.0

3.6

0.7

3rd 0252 0.8 0921 3.3 1527 0.8 2138 3.4

4th Friday 0.837 0.8 1008 3.4 1613 0.8 2225 3.4

5th Saturday 0417 1051 1654 2307

0454

1129

1730

2345

0530

1204

1805

6th Sunday

7th Monday 8th Tuesday

9th Wednesday

10th Thursday

11th Friday

12th Saturday

13th

14th Monday

D

15th Tuesday Time Metres
0020 3.3
0605 0.8
1237 3.6
1839 0.7

 0056
 3.2

 0640
 0.8

 1311
 3.6

 1913
 0.7

0133 3.2 0717 0.8 1345 3.5 1949 0.7

0213 3.2 0756 0.8 1419 3.5 2027 0.7

0254 3.1 0838 0.9 1455 3.4 2110 0.8

1.0

3.3

0924

1537

2158 0.8 0431 3.0 1015 1.1 1628 3.2 2254 0.9

0529 3.0 1113 1.2 1732 3.1

## Tide Tables 2019

Time

Metres

	lime	Metres		lime	Metres
16th Wednesday	0002 0629 1223 1842	1.0 3.0 1.2 3.1	24th Thursday	0106 0701 1324 1927	3.4 0.5 3.9 0.2
17th Thursday	0118 0730 1338 1949	0.9 3.1 1.1 3.1	25th Friday	0159 0751 1415 2019	3.4 0.6 3.8 0.3
18th Friday	0218 0827 1440 2049	0.8 3.2 0.9 3.3	26th Saturday	0253 0843 1506 2110	3.3 0.6 3.7 0.4
19th Saturday	0309 0919 1532 2143	0.7 3.4 0.7 3.4	$\underset{\text{Sunday}}{27th}_{\text{sunday}}$	0347 0938 1600 2208	3.2 0.7 3.6 0.6
20th Sunday	0356 1008 1620 2233	0.6 3.5 0.5 3.5	28th Monday	0444 1040 1657 2315	3.1 0.9 3.4 0.7
21st onday o	0442 1056 1706 2323	0.5 3.7 0.3 3.5	29th Tuesday	0547 1151 1803	3.0 1.0 3.2
22nd Tuesday	0527 1144 1752	0.5 3.8 0.2	30th Wednesday	0025 0657 1302 1918	0.9 3.0 1.0 3.1
23rd Wednesday	0014 0613 1234 1839	3.5 0.5 3.8 0.2	31st Thursday	0130 0804 1408 2026	0.9 3.0 0.9 3.1
					21

Time

Metres

## **February** 2019

lst Friday

Time	Metres
0229	0.9
0901	3.1
1509	0.8
2122	3.2

Metres	
0.9	
3.1	
8.0	
3.2	
0.9	

Saturday	9th Saturday	
----------	-----------------	--

8th

Friday

1314 1922	3.4 0.5
0137	3.1
0729	0.6
1343	3.4

Metres

3.2

0.6

0.6

Time

0107

0653

1957

2nd	
Saturday	

0951	3.3
1559	0.7
2210	3.2
0400	0.8

0319

10th
Sunday

0211	3.1
0807	0.6
1419	3.4
2035	0.6

3rd	
Sunday	

0400	0.8
1034	3.4
1639	0.6
2253	3.2

llth
Monday

0251	3.1
0201	0.1
0848	0.7
1500	3.3
1300	0.0
2117	0.7



0437	8.0
1113	3.5
1713	0.6
2330	3.2

12th	
Tuesday	

D

0337	3.0
0934	0.8
1548	3.2
2207	8.0

5th Tuesday

0511	0.7
1149	3.5
1745	0.6

13th
Wednesday

3.0
1.0
3.0
0.9

6th Wednesday

0004	3.4
0544	0.7
1221	3.5
1816	0.6

0004

14th
Thursday

Thursday

0034	1.0
0647	2.9
1307	1.0
1917	3.0

	Time	Metres		Time	Metres
l6th	0157 0755	0.9 3.0	24th	0225 0815	3.3 0.4
Saturday	1423 2028	0.8	Sunday	1443 2040	3.7 0.4
	2020	0.1			0.1
17th	0255 0857	0.7 3.2	25th	0314 0906	3.2 0.6
Sunday	1519 2129	0.6 3.2	Monday	1533 2131	3.5 0.6
	0345	0.6		0403	3.1
18th	0951	3.5	26th	1004	0.7
Monday	1609 2222	0.3 3.4	Tuesday (	1625 2233	3.3 0.8
	0431	0.4		0457	3.0
19th	1041	3.6	27th	1118	0.9
Tuesday O	2311	3.4	Wednesday	1723 2349	3.1 1.0
0011	0515	0.4	0017	0604	2.9
20th	1129 1739	3.8 0.1	28th	1232	1.0
Wednesday	2359	3.4	Thursday	1842	2.9
01.4	0559	0.3			
21st	1217	3.8			
Thursday	1823	0.0			
0024	0048	3.4			
22nd	0643 1306	0.3 3.8			
riiday	1907	0.1			
23rd	0137 0728	3.3 0.4			
Saturday	1354	3.8			
balaraay	1952	0.2			

## March 2019

Time Metres

0058 1.1
0732 2.9
1341 0.9
2005 2.9

2nd 0202 1.1 0838 3.0 1445 0.8 2105 3.0

3rd 0257 1.0 0930 3.2 1538 0.7 2152 3.0

4th Monday 0.8 1013 3.3 1617 0.6 2233 3.1

5th Tuesday 0416 0.7 1052 3.4 1648 0.5 2309 3.1

0449

1126

1719

2342

0522

1157

1750

0.7

3.4

0.5

3.1

0.6

3.4

0.5

6th Wednesday •

7th
Thursday

8th Friday

9th Saturday

10th Sunday

11th Monday

12th Tuesday

13th Wednesday

14th Thursday

15th

Time Metres
0012 3.1
0555 0.6
1219 3.3
1821 0.5

0034 3.2 0628 0.5 1238 3.4 1853 0.5

0100 3.2 0702 0.5 1310 3.4 1926 0.5

0135 3.2 0737 0.5 1349 3.4 2002 0.5

0215 3.2 0816 0.5 1431 3.3 2043 0.6

3.1

3.0

0901 0.7 1520 3.2 2132 0.8 0353 3.0 0954 0.8

0300

1621

D

2232 1.0 0459 2.9 1101 0.9 1737 2.9 2358 1.1

All times are GMT.

Clocks go forward by 1 hour on the 31st March 2019 at 01:00hrs. Changing Local Time (LT) from Greenwich Mean Time (GMT) to British Summer Time (BST). Please add 1 hour to Tide Table times to convert to Local Time (British Summer Time).

	Time	Metres		Time	Metres
16th Saturday	0614 1245 1857	2.9 0.9 2.9	24th Sunday	0112 0705 1331 1924	3.4 0.3 3.7 0.3
17th Sunday	0138 0729 1407 2015	1.0 3.0 0.7 3.0	25th Monday	0157 0749 1418 2008	3.3 0.4 3.6 0.4
18th Monday	0240 0838 1505 2119	0.8 3.2 0.4 3.2	26th Tuesday	0241 0836 1506 2056	3.3 0.5 3.4 0.7
19th Tuesday	0331 0935 1554 2209	0.6 3.4 0.2 3.3	27th Wednesday	0326 0931 1555 2150	3.2 0.7 3.2 0.9
20th Wednesday	0418 1024 1639 2255	0.4 3.6 0.1 3.4	28th Thursday «	0415 1043 1649 2305	3.0 0.8 3.0 1.1
21st Thursday o	0501 1110 1721 2341	0.3 3.7 0.0 3.4	29th Friday	0511 1159 1756	2.9 0.9 2.8
22nd	0542 1157 1802	0.3 3.8 0.0	30th Saturday	0021 0628 1308 1937	1.2 2.8 0.9 2.7
23rd Saturday	0026 0623 1244 1842	3.4 0.3 3.8 0.1	31st Sunday	0127 0805 1411 2040	1.2 2.9 0.8 2.8

## **April** 2019

1st

Monday

2nd

Tuesdav

3rd

4th

Wednesday

Metres Time 0225 0901 1504 0.7 2127

1.0 3.0 3.0

0.9 0312 0945 3.2 1544 0.5 2206 3.1

0350 8.0 1022 3.3 1617 0.5 2241 3.1

0.6

3.3

0.4

3.2

0.5

3.3

0.4

3.2

0.5

3.3

0.4

0423 0.7 1055 3.3 1649 0.4 Thursday 3.2 2312

1124

1720

0529

1141

1753

0000

0602

1205

0456 5th Friday 2340

6th Saturday

Sunday

8th Monday

9th Tuesday

10th Wednesday

11th Thursday

12th Friday D

13th Saturday

14th Sunday

15th Monday

Time Metres 0029 3.3 0636 0.4 1242 3.4 1858 0.5

0106 3.3 0711 0.4 1324 3.3 1936 0.5

N149 3.3 0752 0.5 1410 3.3 2019 0.6

0236 3.2 0838 0.6 1504 3.1 2110 0.8

0329 3.1 0934 0.7 1608 3.0 2212 1.0

0434 3.0 1046 0.8 1723 2.8 2341 1.1

3.0

8.0

2.8

0550

1229

1845

0116 1.0 0709 3.0 1347 0.6 2004 3.0

1825 All times are GMT, add 1 hour during Daylight Savings Time.

	-			-	
16th Tuesday	7ime 0220 0820 1445 2104	0.8 3.2 0.4 3.2	24th Wednesday	0211 0812 1439 2026	3.4 0.5 3.3 0.8
17th Wednesday	0313 0917 1534 2152	0.6 3.5 0.2 3.3	25th Thursday	0255 0903 1527 2115	3.3 0.7 3.1 1.0
18th Thursday	0400 1005 1618 2237	0.5 3.6 0.1 3.4	$26th_{\text{Friday}}$	0341 1007 1618 2217	3.2 0.8 2.9 1.1
19th o	0443 1051 1659 2320	0.4 3.7 0.1 3.4	27th Saturday	0432 1122 1717 2335	3.0 0.9 2.8 1.3
20th Saturday	0524 1136 1738	0.3 3.7 0.2	28th Sunday	0533 1229 1831	2.9 0.9 2.7
21st Sunday	0004 0603 1222 1818	3.4 0.3 3.7 0.3	29th Monday	0044 0650 1330 1958	1.2 2.9 0.8 2.8
22nd Monday	0047 0644 1308 1858	3.4 0.4 3.6 0.4	30th Tuesday	0144 0815 1423 2048	1.1 2.9 0.7 2.9
23rd Tuesday	0129 0727 1353	3.4 0.4 3.4			

## May 2019

Metres Time 0235 1.0 lst 0904 3.1 1506 0.6 Wednesday 2128 3.1

0.8 0317 2nd 0943 3.2 1543 0.5 Thursday 2203 3.2

0353 0.7 3rd 1016 3.3 1617 0.4 Friday 2236 3.2

0428 4th 1045 1650 Saturday 2305

5th Sunday

**6th** Monday

Tuesday

8th Wednesday

9th Thursday

10th Friday

llth Saturday

0.6

3.3

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0.5

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0.5

12th Sunday D

13th Monday

14th Tuesday

15th Wednesday Time Metres 0046 3 4 0653 0.4 1306 3.3 1918 0.6

0131 3.4 0737 0.5 1357 3.3 2005 0.7

3 4 0221 0827 0.5 1455 3.1 2100 0.9

0316 3.3 0927 0.6 1601 3.0 2206 1.0

0419 3.2 1040 0.7 1716 2.9 2325 1.1

3.1

0.7

2.9

0531

1207

1836

0046 1.0 0649 3.2 1321 0.5 1946 3.0

0153 8.0 0759 3.3 1420 0.4 2043 3.2

0502

1108

1724

2331

0537

1139

1759

0004

0613

1220

	Time	Metres		Time	Metres
16th Thursday	0250 0856 1510 2132	0.7 3.5 0.3 3.3	24th Friday	0227 0837 1459 2045	3.4 0.7 3.1 1.0
17th	0339 0946 1555 2217	0.6 3.6 0.2 3.4	25th Saturday	0311 0929 1548 2135	3.3 0.8 3.0 1.1
18th Saturday o	0424 1032 1636 2301	0.5 3.6 0.3 3.4	$26th_{\text{Sunday}}$	0359 1033 1642 2235	3.2 0.9 2.8 1.2
19th Sunday	0507 1117 1716 2343	0.4 3.6 0.4 3.4	27th Monday	0453 1142 1741 2346	3.0 0.9 2.8 1.2
20th Monday	0548 1201 1756	0.4 3.5 0.5	28th Tuesday	0554 1245 1845	2.9 0.9 2.8
21st Tuesday	0024 0628 1245 1836	3.5 0.5 3.4 0.6	29th Wednesday	0053 0700 1339 1946	1.2 2.9 0.8 2.9
22nd Wednesday	0105 0710 1328 1917	3.5 0.5 3.3 0.8	30th Thursday	0150 0803 1426 2037	1.1 3.0 0.7 3.1
23rd Thursday	0145 0752 1412 1959	3.4 0.6 3.2 0.9	31st Friday	0238 0853 1507 2120	0.9 3.1 0.6 3.2

## June 2019

Time Metres 0320 0.8 lst 0934 3.2 1544 0.5 Saturday 2158 3.3

0.7 0359 2nd 1010 3.3 1620 0.5 Sunday 2233 3.4

0437 0.6 3rd 1044 3.4 1658 0.5 Monday 2308 3.5

0516 4th 1121 1737 Tuesday 2346

5th Wednesday

Thursday

Friday

8th Saturday

9th Sunday

10th Monday D

11th Tuesday

12th Wednesday

13th Thursday

0.5

3.4

0.5

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3.4

0.6

3.5

0.4

3.3

0.7

3.6

0.4

3.3

0.7

14th

Friday

Saturday

Time Metres 0211 3.5 0822 0.4 1450 3.2 2054 0.8

0306 3.5 0921 0.5 1556 3.1 2156 0.9

0405 3 4 1028 0.5 1706 3.0 2303 0.9

0512 3.3 1140 0.6 1817 3.0 0014 0.9

3.3

3.2

0626

2019

1251 0.5 1921 3.1 0122 0.9 0735 3.3 1352 0.5

0223 0.8 0835 3.4 1445 0.5 2111 3.3

0318 0.7 0928 3.5 1533 0.5 2159 3.3

0557

1205

1820

0031

0641

1255

1906

0119

0729

1350

	Time	Metres		Time	Metres
16th Sunday	0407 1016 1616 2243	0.6 3.5 0.5 3.4	24th Monday	0325 0936 1608 2147	3.3 0.8 2.9 1.0
17th Monday o	0452 1101 1658 2326	0.5 3.4 0.6 3.4	25th Tuesday (	0412 1030 1701 2241	3.2 0.9 2.9 1.1
18th Tuesday	0534 1144 1738	0.5 3.4 0.7	26th Wednesday	0505 1136 1757 2342	3.0 0.9 2.9 1.2
19th Wednesday	0005 0614 1225 1816	3.5 0.6 3.3 0.8	27th Thursday	0605 1244 1854	3.0 0.9 2.9
20th Thursday	0043 0653 1305 1855	3.5 0.6 3.2 0.8	28th	0051 0707 1341 1948	1.1 3.0 0.8 3.0
21st Friday	0121 0731 1347 1933	3.5 0.6 3.2 0.9	29th Saturday	0154 0805 1430 2038	1.0 3.1 0.7 3.2
22nd Saturday	0201 0809 1431 2014	3.5 0.7 3.1 0.9	30th Sunday	0247 0857 1514 2123	0.9 3.2 0.6 3.3
23rd Sunday	0242 0850 1518 2058	3.4 0.7 3.0 1.0			

## July 2019

lst

Monday

2nd

Tuesdav

3rd

4th

Thursday

Wednesday

Time Metres 0333 0.7 0942 3.3 1555 0.6 2206 3.4

0.6 0417 1025 3.4 1637 0.5

2247 3.5 0500 0.5 1109 3.4 1720 0.5

2331 3.6 0.4 0545 1156 3.4

0.6

3.6

0.3

3.3

0.6

3.7

0.3

3.3

0.6

3.7

0.3

3.2

0.7

1806

0108

0719

1343

1946

0200

0810

1441

0018 5th 0630 1248 Friday 1854

6th Saturday

Sunday

8th Monday

Tuesday D

10th Wednesday

11th Thursday

12th Friday

13th Saturday

14th Sunday

15th Monday

Time Metres 0253 3.6 0905 0.3 1541 3.1 2136 0.8

0349 3.6 1005 0.4 1643 3.1 2237 0.8

**N449** 3 4 1111 0.5 1748 3.0 2344 0.9

0557 3.3 1220 0.6 1853 3.0

0053 0.9 0709 3.3 1326 0.7 1954 3.1

0.8 0200 0815 3.3 1423 0.7 2050 3.2

8.0

3.3

0.7

0300

0912

1514

2142 3.3 0354 0.7 1003 3.3 1600 0.7 2228 3.4

	Time	Metres		Time	Metres
16th Tuesday o	0440 1049 1641 2311	0.6 3.3 0.8 3.4	24th Wednesday	0322 0937 1617 2155	3.2 0.8 3.0 1.0
17th Wednesday	0521 1130 1719 2349	0.6 3.2 0.8 3.5	25th Thursday (	0407 1028 1710 2248	3.1 0.9 3.0 1.1
18th Thursday	0558 1208 1755	0.6 3.2 0.8	26th Friday	0505 1131 1806 2351	3.0 0.9 2.9 1.1
19th Friday	0024 0632 1244 1830	3.5 0.6 3.1 0.8	27th Saturday	0614 1249 1903	3.0 0.9 3.0
20th Saturday	0058 0704 1321 1905	3.5 0.6 3.1 0.8	28th Sunday	0109 0722 1357 1959	1.1 3.0 0.9 3.1
21st Sunday	0133 0737 1401 1943	3.4 0.6 3.1 0.8	29th Monday	0218 0824 1450 2052	0.9 3.1 0.7 3.3
22nd Monday	0209 0813 1443 2024	3.4 0.6 3.1 0.8	30th Tuesday	0313 0920 1537 2141	0.7 3.2 0.6 3.4
23rd Tuesday	0245 0852 1528 2107	3.3 0.7 3.0 0.9	31st Wednesday	0402 1010 1621 2228	0.5 3.3 0.6 3.6

## **August** 2019

Metres Time 0447 0.4 lst 1057 3.4 1706 0.5 Thursday 2315 3.7

0531 0.2 2nd 1145 3.4 0.5 Friday 1751

0003 3.7 3rd 0616 0.2 1235 3.4 Saturday 1837 0.5

0053 3.8 4th 0702 0.1 1328 3.3 Sunday 0.5 1926

5th Monday

6th Tuesday

Wednesday n

8th Thursday

9th Friday

10th Saturday

llth Sunday

12th Monday

13th Tuesday

Wednesday

Thursday

Time Metres 0423 3.5 1037 0.6 1711 3.1 2316 0.9

0525 3.3 1150 8.0 1818 3.0

0029 n q 0640 3.1 1301 0.9 1928 3.0

0140 0.9 0756 3.1 1403 0.9 2031 3.1

0246 0.8 0859 3.1 1458 0.9 2125 3.3

0343 0.7 0950 3.2 1544 0.9 2212 3.4

0428 0.6 1035 3.2 1623 0.8 2253 3.4

0505 0.6 1114 3.2 1657 0.8 2330 3.5

0144

0750

1421

2016

0235

0840

1516

2109

0328

0935

1612

3.8

0.2 3.3

0.6

3.7

0.3

3.2

0.7

3.6

0.4

3.1

0.8

	Time	Metres		Time	Metres
16th Friday	0535 1149 1730	0.6 3.2 0.8	24th Saturday	0418 1036 1715 2305	3.1 1.0 3.0 1.1
17th Saturday	0003 0604 1222 1803	3.5 0.6 3.1 0.8	25th Sunday	0530 1151 1821	2.9 1.1 3.0
18th Sunday	0033 0634 1253 1836	3.4 0.6 3.1 0.8	26th Monday	0027 0648 1330 1925	1.1 2.9 1.0 3.1
19th Monday	0100 0705 1326 1912	3.4 0.6 3.1 0.7	27th Tuesday	0158 0759 1431 2026	1.0 3.0 0.9 3.2
20th Tuesday	0129 0738 1400 1949	3.4 0.6 3.2 0.7	28th Wednesday	0257 0903 1522 2121	0.7 3.2 0.7 3.4
21st Wednesday	0201 0814 1438 2029	3.4 0.6 3.1 0.8	29th Thursday	0347 0956 1607 2210	0.4 3.3 0.6 3.6
22nd Thursday	0239 0854 1521 2114	3.3 0.7 3.1 0.9	30th	0432 1043 1650 2258	0.2 3.4 0.5 3.8
23rd c	0323 0940 1614 2204	3.2 0.8 3.0 1.0	31st Saturday	0514 1130 1732 2345	0.1 3.5 0.5 3.8

Septer	nber
2019	
	Time

lst Sunday

2nd

Monday

3rd

Tuesday

0556 0.1 1217 3.5 1816 0.4

Metres

1901 0.5 0123 3.8 0724 0.2 1356 3.4 1948 0.5

0214 3.8 4th 0810 0.4 1446 3.3 Wednesday 2039 0.6

0304

0901

1538

2136

5th Thursday

6th Friday D

Saturdav

0357 3.4 0959 8.0 1632 3.1 N 9 2248

3.6

0.6

3.2

8.0

0456 3.2 1116 1.1 1736 3.0 8th Sunday

9th Monday

10th Tuesday

11th Wednesday

12th

Thursday

13th Friday

14th Saturday  $\circ$ 

15th Sunday

Time Metres 0005 1 0 0609 3.0 1233 1.2 1857 3.0

0118 1.0 2.9 0739 1340 1.2 2009 3.1

∩227 n 9 0844 3.0 1439 1.1 2104 3.2

0326 0.7 0934 3.1 1526 1.0 2151 3.4

0409 0.6 1016 3.2 1602 0.9 2231 3.4

0.6

3.2

0.8

3.4

1633 8.0 2306 3.5 0506 0.6 1126 3.2

0440

1052

1704

2338

0534 0.6 1155 3.2 1736 8.0

	Time	Metres		Time	Metres
16th Monday	0002 0603 1221 1808	3.4 0.6 3.2 0.7	24th Tuesday	0624 1307 1857	2.9 1.2 3.1
17th Tuesday	0021 0633 1246 1841	3.4 0.6 3.3 0.7	25th Wednesday	0138 0742 1413 2004	0.9 3.0 1.0 3.3
18th Wednesday	0050 0705 1318 1917	3.4 0.6 3.3 0.7	26th Thursday	0239 0850 1505 2102	0.7 3.2 0.8 3.5
19th Thursday	0126 0739 1356 1955	3.4 0.6 3.3 0.7	27th Friday	0328 0941 1550 2152	0.4 3.4 0.6 3.7
20th	0206 0818 1439 2039	3.4 0.7 3.3 0.8	28th Saturday	0412 1027 1632 2239	0.2 3.5 0.5 3.9
21st Saturday	0252 0903 1530 2129	3.2 0.9 3.2 1.0	29th Sunday	0453 1111 1712 2326	0.1 3.6 0.5 3.9
22nd Sunday «	0348 0959 1633 2231	3.1 1.1 3.1 1.1	30th Monday	0533 1156 1753	0.1 3.6 0.4
23rd	0503 1112 1745	2.9 1.2 3.0			

1.1

2356

Monday

### **October** 2019

	Time	Metres
	0013	3.9
IST	0613	0.2
	1243	3.5
Tuesday	1836	0.5

2nd Wednesday	0102 0656 1330 1921	3.8 0.4 3.5 0.6

3rd	0151 0741 1417	3.7 0.5 3.4
Thursday	2011	0.7

417	0241	3.6
4th	0828	8.0
	1506	3.4
Friday	2106	0.8

0220

3.3 1.0 3.2 1.0

5th Saturday	D	0332 0923 1556 2217	
Saturday	D	2217	

/ 13	0428	3.1
6th	1035	1.3
_	1653	3.1
Sunday	2336	1.1

7th	
Monday	

1.1	
2.9 1.4	15t
3.0	Tuesdo

8th Tuesday	

9th Wednesday

llth	
Friday	

12th	
Saturday	

13th	
Sunday	C

14th
Monday

15th
Tuesday

Time	Metres
0047	1.1
0713	2.8
1307	1.4
1937	3.1

0155	1.0
0820	2.9
1408	1.3
2037	3.2

0253 0909	0.8 3.1
1457	1.1
2123	3.3

0.7
3.2
1.0
3.4

0406	0.6
1024	3.3
1606	0.9
2237	3.5

0434	0.6
1056	3.3
1637	8.0
2307	3.4

0.6
3.4 0.8
3.4

0535

1157

1808

Clocks go back by 1 hour on the 27th October 2019 at 02:00hrs. Changing Local Time (LT) from British Summer Time (BST) to Greenwich Mean Time (GMT).

	Time	Metres		Time	Metres
16th Wednesday	0604 1213 1815	0.7 3.4 0.7	24th Thursday	0112 0728 1349 1944	0.9 3.0 1.1 3.4
17th Thursday	0019 0635 1247 1849	3.5 0.7 3.5 0.7	25th Friday	0214 0833 1443 2044	0.6 3.2 0.9 3.6
18th Friday	0059 0711 1327 1928	3.5 0.7 3.5 0.7	26th Saturday	0305 0924 1530 2134	0.4 3.4 0.7 3.8
19th Saturday	0143 0751 1412 2013	3.4 0.8 3.4 0.8	27th Sunday	0349 1009 1612 2221	0.3 3.6 0.6 3.9
20th Sunday	0233 0838 1503 2106	3.3 1.0 3.3 0.9	28th Monday	0429 1052 1653 2307	0.3 3.6 0.5 3.9
21st Monday (	0333 0937 1605 2211	3.1 1.2 3.2 1.0	29th Tuesday	0509 1136 1734 2354	0.3 3.6 0.5 3.9
22nd Tuesday	0447 1052 1718 2338	3.0 1.3 3.1 1.1	30th Wednesday	0550 1220 1816	0.4 3.6 0.5
23rd Wednesday	0607 1238 1833	2.9 1.3 3.2	31st Thursday	0041 0631 1305 1901	3.8 0.6 3.6 0.6

# November 2019

**lst** Friday Time Metres
0130 3.6
0715 0.8
1350 3.6
1949 0.7

9th Saturday

8th

Friday

 0252
 0.8

 0914
 3.2

 1500
 1.1

 2126
 3.3

Time

0207

0833

1417

2045

Metres

n 9

3.0

1.2

3.2

2nd Saturday 0218 3.5 0802 0.9 1436 3.5 2042 0.8

10th Sunday 0328 0.7 0949 3.3 1536 1.0 2202 3.4

3rd Sunday 0307 3.3 0852 1.1 1524 3.4 2146 1.0

11th Monday 0401 0.7 1023 3.4 1610 0.9 2234 3.4

4th Monday 0359 3.1 0953 1.3 1616 3.2 2259 1.1

12th Tuesday o 0433 0.7 1054 3.5 1644 0.8 2259 3.5

5th Tuesday 0458 2.9 1110 1.5 1716 3.1 13th Wednesday 
 0505
 0.7

 1121
 3.5

 1718
 0.7

 2324
 3.5

6th Wednesday 0008 1.1 0615 2.8 1223 1.5 1833 3.1

14th Thursday 0539 0.7 1149 3.6 1754 0.7 2359 3.5

7th Thursday 0111 1.0 0740 2.9 1325 1.4 1953 3.1

15th Friday 0614 0.8 1225 3.6 1831 0.7

	Time	Metres		Time	Metres
16th Saturday	0041 0652 1308 1912	3.5 0.8 3.6 0.7	24th Sunday	0238 0904 1507 2117	0.5 3.4 0.8 3.7
17th Sunday	0129 0736 1355 1959	3.4 0.9 3.5 0.8	25th Monday	0324 0950 1553 2205	0.4 3.5 0.7 3.8
18th Monday	0223 0827 1448 2055	3.3 1.1 3.5 0.8	26th Tuesday	0408 1035 1637 2252	0.5 3.6 0.6 3.8
19th Tuesday (	0324 0927 1547 2201	3.1 1.2 3.4 0.9	27th Wednesday	0450 1119 1721 2338	0.5 3.7 0.6 3.7
20th Wednesday	0434 1040 1655 2319	3.0 1.3 3.3 0.9	28th Thursday	0531 1202 1804	0.6 3.7 0.6
21st Thursday	0553 1203 1809	3.0 1.2 3.3	29th	0024 0613 1245 1847	3.6 0.8 3.7 0.7
22nd	0039 0709 1316 1922	0.8 3.1 1.1 3.4	30th Saturday	0110 0655 1328 1933	3.5 0.9 3.6 0.7
23rd Saturday	0144 0812 1416 2024	0.6 3.3 0.9 3.6			

### December 2019

lst Sunday

2nd

Monday

3rd

Tuesday

4th

Metres Time 0155 3.4 0739 1.0 1410 3.6 2020 8.0

3.2 0242 0825 1.1 1455 3.5 2112 0.9

0330 3.1 0915 1.2 1543 3.4 2212 1.0

2.9

1.4

3.1

1.1

2.9

1.4

3.1

1.0

3.0

1.3

3.1

0423 3.0 1012 1.4 1636 3.2 Wednesday <sub>n</sub> 1.1 2318

0521

1120

1735

0022

0625

1231

1840

0119

0730

1331

1946

5th Thursday

6th Friday

Saturday

8th Sunday

9th Monday

10th Tuesday

11th Wednesday

12th Thursday

13th Friday

14th Saturday

15th Sunday

Time Metres 0209 n 9 0824 3.1 1421 1.2 2040 3.2

0251 n a 0909 3.3 1504 1.0 2124 3.3

0329 n a 0949 3.4 1543 0.9 2202 3.4

0.7 1026 3.5 1622 8.0 2236 3.4 0442 0.7

3.6

3.4

0405

1059

2346

1700 0.7 2308 3.5 0520 0.7 1133 3.6 1739 0.7

0559 0.8 1211 3.7 1821 0.6

0030 3.4 0642 8.0 1255 3.7 1905 0.6

	Time	Metres		Time	Metres
16th Monday	0120 0729 1343 1954	3.4 0.9 3.7 0.6	24th Tuesday	0304 0934 1539 2152	0.6 3.4 0.7 3.6
17th Tuesday	0214 0820 1435 2048	3.3 0.9 3.6 0.6	25th Wednesday	0352 1022 1627 2241	0.6 3.5 0.7 3.6
18th Wednesday	0314 0918 1531 2148	3.2 1.0 3.5 0.7	26th Thursday	0436 1107 1712 2326	0.7 3.6 0.6 3.5
19th Thursday (	0419 1020 1633 2255	3.1 1.1 3.5 0.7	27th	0518 1149 1755	0.8 3.6 0.6
20th	0531 1129 1743	3.1 1.1 3.4	28th Saturday	0010 0558 1230 1836	3.4 0.8 3.6 0.6
21st Saturday	0006 0643 1241 1856	0.7 3.1 1.1 3.4	29th Sunday	0052 0638 1309 1916	3.3 0.9 3.6 0.7
22nd	0113 0747 1347 2002	0.7 3.2 1.0 3.5	30th Monday	0133 0717 1348 1955	3.3 0.9 3.6 0.7
23rd Monday	0212 0843 1446 2100	0.6 3.3 0.8 3.5	31st Tuesday	0215 0756 1428 2035	3.2 1.0 3.5 0.8

Tide Tables 2019

### Contact Numbers

### Belfast Harbour

#### Harbour Office

Tel: 028 9055 4422

### Port Operations

Tel: 028 9055 3014

#### Port Control

VHF Channel 12

### Harbour Police

Tel: 028 9055 3000

### River Lagan (DSD)

#### River Manager

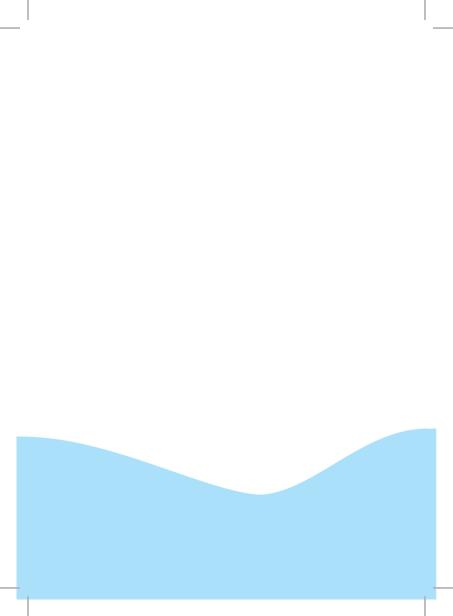
Tel: 028 9027 7642

#### Weir Control / River Warden

Tel: 028 9031 5304

#### Weir Control

VHF Channel 71 Callsign "Lagan Weir"



Harbour Office

Corporation Square Belfast BT1 3AL +44 28 9055 4422

belfast-harbour.co.uk









