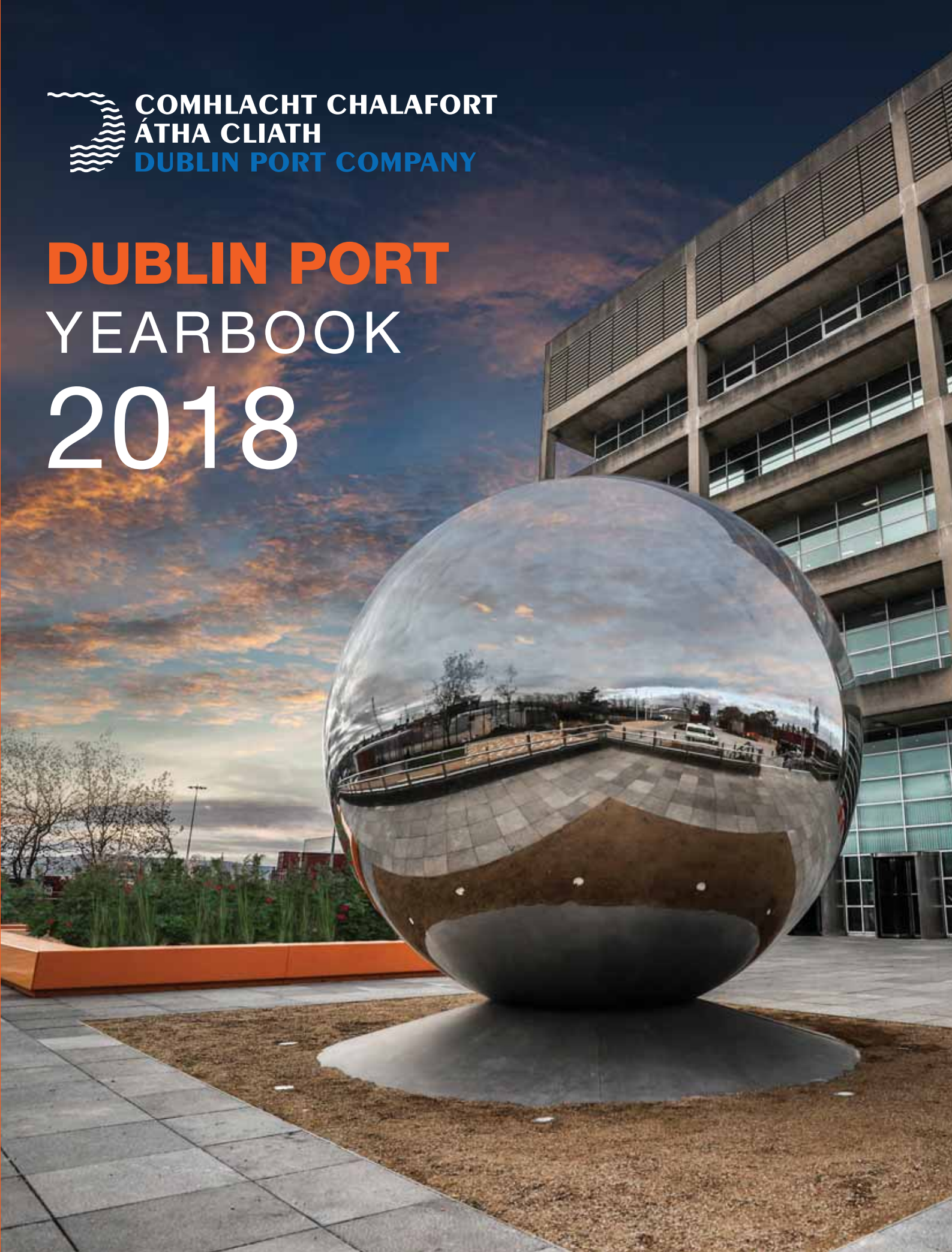


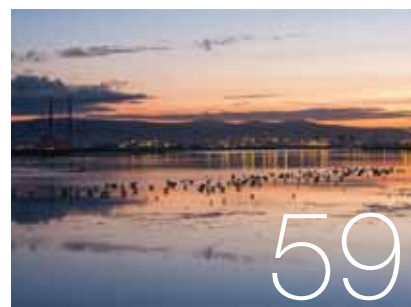
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# Message From the **Chief Executive**

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Investment in port infrastructure in Dublin Port is accelerating to meet demand. Dublin Port Company's full year trading figures for 2017 reveal that cargo volumes through the Port hit record levels for the third successive year, with growth of 4.3% to reach a new record level of 36.4m gross tonnes. This brings overall growth at Dublin Port in the five years since economic recovery began in 2013 to +30.1%.

To facilitate future growth, Dublin Port continues to invest in new infrastructure, based on its Masterplan to 2040, and a programme of works is already underway. The company invested €75m in port infrastructure in 2017 and plans to invest a further €132m during 2018. Thereafter, investment plans will need to accelerate to ensure that Dublin has sufficient port capacity for the years ahead.

In addition, Dublin Port's cruise business grew strongly, with 127 cruise ship arrivals and growth of 32% in visitor numbers, breaking the 210,000-mark for the first time. Importantly, cruise ships are getting bigger and the average cruise ship calling at Dublin Port increased in size by 13.3%, from 39,946 gross tonnes to 45,270 gross tonnes.

Growth of 4.3% in 2017 confirms that the longstanding trend of compounding annual growth in Dublin Port is back. Every year from 1993 to 2007 was a record year in Dublin Port. In the past three years, we have seen this pattern re-emerge, with 2017 the third year in a row for record growth. We are projecting another record year in 2018, with growth of about 5%. Dublin Port's growth is driven by domestic demand and both population growth and a stronger economy will continue to drive volumes up for the foreseeable future.

Dublin Port's multi-million euro infrastructure investment programme is matching our customers' continuing investments in new ships. Irish Ferries has committed €165m in a huge new ship for the Dublin-Holyhead route due by mid-2020. Later this year, the €150m WB Yeats will commence a service from Dublin

to Cherbourg. In October last year, CLdN introduced the enormous 8,000 lane metre MV Celine on its Dublin to Zeebrugge/Rotterdam service.

While Brexit brings uncertainties and challenges to our business, the combination of investments by our customers and by Dublin Port is underpinned by a shared confidence in the future. Over the next two months, we will finalise our plans for the required re-introduction of border controls on trade with Britain and I am confident that the controls required will not significantly hinder the movement of goods or people through Dublin Port.

Dublin Port shares a unique connection with the city of Dublin. It is a bond that is not just physical – it's a shared history, culture and community between the port and our capital city.

To strengthen, continue and encourage this connection, Dublin Port has commissioned a series of cultural and heritage initiatives, designed to present Dublin's rich maritime heritage in new and thought-provoking ways. These recognise the importance of Dublin Port and its integration with the city, and celebrate this unique connection.

Dublin Port is at the heart of what is emerging as one of the most exciting neighbourhoods in the city, and the opening of our port centre will add to the buzz and energy of this area, as well as providing locals with a host of new amenities to enjoy.



**Eamonn O'Reilly**  
**CEO,**  
**Dublin Port Company**

# Year in Review



## Aware Harbour2Harbour Walk

The annual Aware Harbour2Harbour Walk took place on St. Patrick's Day, March 17, offering a brilliantly enjoyable and suitably challenging alternative for families and friends looking to mark the country's national day. Aware charity partners Leinster Rugby put their best foot forward to support the event, along with Eamonn O'Reilly, CEO of event sponsor Dublin Port Company, who provided plenty of fun activities at the 'Halfway Hooley' at Berth 18, close to the Thomas Clarke Bridge in the capital. All funds raised went to Aware's nationwide support, education and information services.

"We are delighted to work with Aware and to help them raise awareness of their Harbour2Harbour Walk in what is the 12th year of the event," noted Leinster scrum-half Luke McGrath. "As rugby players, we realise the

important link between exercise and mental health, and this is a brilliant way to get your heart pumping and be part of a great day out, supporting a brilliant cause in the process."

The Harbour2Harbour Walk took participants along the spectacularly scenic Dublin Bay and more than 2,000 people took part in the 26km/16.2mile route, starting in Howth Harbour and walking to Dun Laoghaire Harbour or vice versa.

"The Aware Harbour2Harbour Walk showcases the exceptional beauty of Dublin Bay and the Port itself, something which we should all be very proud of," noted Eamonn O'Reilly, CEO, Dublin Port Company.



*Pictured at the launch of the Aware Harbour2Harbour Walk are Leinster rugby players, bottom row from left, Luke McGrath, Josh van der Flier, Dan Leavy, Nick McCarthy, and back row, from left, Richardt Strauss, Hayden Triggs, Mick Kearney, and Peter Dooley, with Gerry O'Brien, far left, Aware Director of Fundraising, and Eamonn O'Reilly, CEO, Dublin Port Company.*

## Celebrity Eclipse Makes Maiden Voyage to Dublin Port

May 2017 saw the 317m Celebrity Eclipse cruise ship arrive in Dublin, carrying over 4,000 passengers and crew on her maiden call to Ireland. The new arrival marked the start of Dublin Port's 2017 cruise season, which saw 127 cruise calls confirmed for Dublin Port, bringing over 210,000 passengers and crew to visit the city and benefiting the local economy.

Passengers were greeted on arrival to the sights and sounds of a Celtic themed welcome of music and dance, before disembarking for a day of shopping, sightseeing and exploring in the capital. Among the passengers were the President and CEO of Celebrity Cruises, Lisa Lutloff-Perlo, and a delegation of 400 cruise industry leaders,

who enjoyed a VIP guest experience in Dublin during their call.

Celebrity Eclipse will return to the city in 2018 when she becomes the first ship of a major cruise line to call Dublin Port a 'home port'. She will be based in Dublin Port for a mini-season of holidays to Northern Europe this year, with over 14,000 people expected to begin their holiday from Dublin Port in 2018. The development is worth an estimated €6m to Dublin and the surrounding area in knock-on economic benefits. Dublin Port Company has already established Cruise Dublin to promote the interests of local businesses to international cruise lines and their passengers.





This year, Celebrity Eclipse is among the increasing number of longer cruise ships requesting to call at Dublin Port. Of the record number of cruise calls scheduled this year, seven ships measure longer than 300m, pushing the boundaries of the port's operational limits.

Such is her length, Celebrity Eclipse had to manoeuvre into Dublin Port 'stern first', i.e. in reverse. Ships greater than 300m in length cannot turn within Dublin Port and are therefore brought stern first (reversed) up the River Liffey. This complex manoeuvre will no longer be necessary once Dublin Port's Alexandra Basin Redevelopment (ABR)

Project is complete. Larger, longer ships will then be able to routinely call at the port and turn within the expanded Alexandra Basin West and berth further upriver, closer to the city at the Tom Clarke Bridge. The planned redevelopment is expected to result in an extra 600,000 tourists for the city annually, three times current visitor levels.

Pat Ward, Head of Corporate Services, Dublin Port Company, explained how "ten of the 2017 cruise calls were maiden voyages, confirming Dublin Port and Dublin City's growing appeal as a marquee destination on the itineraries of the world's leading cruise lines."



## World's Third Largest Tall Ship Returns to Dublin

One of the world's oldest and largest tall ships, the "Juan Sebastián de Elcano" made a five-day visit to Dublin Port in June 2017. The 370-foot long, four-masted schooner is the world's third largest tall ship and one of the oldest tall ships still sailing. The majestic steel-hulled schooner, led by Captain Victoriano Gilabert, arrived in Dublin Port with 245 crew on board. The ship is used as a training vessel for the Royal Spanish Navy, preparing its officers for long periods at sea. King Felipe VI is among the officers who have been trained on board the ship, which is named after Spanish explorer Juan Sebastián de Elcano, captain of Ferdinand Magellan's last exploratory fleet, and the first man to circumnavigate the globe.

While in Dublin, the crew participated in a range of engagements to promote Spanish-Irish cultural exchange, including an open day for the public, who were welcomed aboard to see first-hand the craftsmanship and young crew at work on this stunning vessel.

His Excellency, José María Rodríguez Coso, Ambassador of Spain to Ireland, said: "The arrival to Dublin of the Elcano is an event of major importance and significance. The ship is a floating embassy, and the fact that Dublin has been chosen as a port of call symbolises the strength of the bilateral relations between Ireland and Spain."





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## Riverfest Makes a Splash

Dublin Port Riverfest, held during the June bank holiday weekend, saw record crowds thronging North Wall Quay for an action packed programme of events. All told, between the festival and retro drive-in movies, record numbers attended, with 41,500 people on the Saturday alone enjoying the sights and sounds of Riverfest 2017.

The Parade of Sail saw eight majestic tall ships and schooners make their way up the River Liffey and onto North Wall Quay, where they remained berthed for the duration of the festival. Free tours of the tall ships and Jeanie Johnston, and the flyboarding antics of Jet Man were among the most popular attractions with all ages. The ThunderCats performed high speed races daily, drawing huge crowds to the purpose-built spectator stand to watch the boats give chase up and down the River Liffey.

Visitors tried their hand at a host of water-based activities, from stand-up paddle boarding to sailing and kayaking, while boat tours of Dublin Port and Dublin Bay offered a new way to discover the city.

Huge numbers took part in the free activities in the Family Zones, including the zip line and rock climbing stations, while street performers, fun fair attractions and children's art and circus workshops ensured even the youngest festival goers were entertained. Thanks to demonstrations from our colleagues at Customs, attendees were also able to see first-hand their sniffer dogs at work.

In a first for Dublin Port, Riverfest hosted Retro Drive-In Movies, showing family favourites 'Finding Nemo', 'Back to the Future' and 'Jaws' to sell-out audiences on Sunday. The screenings were a hit with movie-goers, who were also treated to a retro car display of DeLoreans on the day.





## Casting of the Spear

July 18 saw the new Lord Mayor of Dublin, Mícheál Mac Donncha, taking to the waters of Dublin Bay to take part in the annual 'Casting of the Spear' ceremony. The 'Casting of the Spear' is a tradition dating back 529 years and the first official duty for Lord Mayor Mícheál Mac Donncha as Honorary Admiral of Dublin Port at his investiture from Dublin Port Chairperson Lucy McCaffrey. The title of Honorary Admiral of Dublin Port has been bestowed on the Lord Mayor of Dublin for over 20 years.

Historical records show that the maritime tradition of the Casting the Spear dates back to 1488 when Thomas Mayler, who was then Lord Mayor of Dublin, rode out on horseback and cast a spear as far as he could into the sea. This was to mark the city's boundaries eastwards. Centuries later, the re-enactment ceremony reminds us of Dublin's role as a port city in medieval times and highlights Dublin Port's remarkable history since its establishment as a trading post some 1,200 years ago.

"It is an honour to perform the 'Casting of the Spear' ceremony which has become a highlight in the calendar for the Lord Mayor of Dublin. I look forward to an exciting year ahead as Honorary Admiral of Dublin Port and working with the Port and its communities to create new traditions and memories," noted the newly invested Honorary Admiral of Dublin Port Mícheál Mac Donncha. "It is important that we keep alive the customs and traditions that define us as a port city."

"I would like to thank Lord Mayor Mac Donncha for his participation in the Casting of the Spear, a ceremony that celebrates our heritage as a port city," said Dublin Port Chairperson Lucy McCaffrey. "Looking back to the origins of the ceremony, now more than half a millennium ago, it is extraordinary to think that our city's boundaries were established as a port city by Thomas Mayler's spear in the waters of medieval Dublin. Today's re-enactment celebrates that tradition and is symbolic of Dublin Port's continued commitment to preserving, for the city and its people, an understanding of the history that binds the port and the city."



*Pictured at the Casting of the Spear ceremony are Lucy McCaffrey, Chairperson of Dublin Port Company, Lord Mayor of Dublin, Mícheál Mac Donncha and Eamonn O'Reilly, CEO, Dublin Port Company.*





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## Boom in Tern Numbers

Dublin Port is an important nesting site for many bird species and 2017 was a great year for terns in Dublin port. The number of nests on the various structures were at record levels during the summer, with hundreds of well-grown chicks, according to Richard Nairn, Natura Consultants. "By August, all the young birds were flying as their parents teach them how to fish in the shallow waters of Dublin Bay. In September, they were joined by large flocks of other terns from around the Irish Sea to roost on Sandymount Strand before undertaking the most hazardous part of their life cycle, a 6,000-kilometre migration to their wintering grounds in West Africa."



## Starboard Home Wins Top Award

Starboard Home, the unique musical collaboration between the National Concert Hall and some of Ireland's leading songwriters, commissioned by Dublin Port Company, won the Jim McNaughton Perpetual Award for Best Commissioning Practice at the 2017 Allianz Business to Arts Awards on Monday September 4 at the Bord Gáis Energy Theatre.

Commissioned by Dublin Port Company, Starboard Home was a unique collaboration featuring 12 of Ireland's foremost songwriters, who created new songs inspired by the relationship between the Port, the river and the city of Dublin itself, for a CD and a live event.

Curated and produced by acclaimed Irish songwriter Paul Noonan (Bell X1 and Printer Clips) and the National Concert Hall's Gary Sheehan, Head of Programme Planning, Starboard Home was commissioned by Dublin Port as part of the Ireland 2016 Centenary Programme.

The Allianz Business to Arts Awards recognise and champion the spirit of collaboration between businesses, artists and arts organisations that develop creative partnerships; bringing the arts and artists into mutually beneficial relationships across society.

Andrew Hetherington, Chief Executive of Business to Arts, said: "The 2017 Allianz Business to Arts Awards season celebrates another incredible year of creativity. We are seeing increased regional activity, a wider audience reach and a clear focus on consumer reach and assessment of return in the sponsorship categories. Our winners are collaborating to address social, environmental and workplace issues and it is more relevant than ever to acknowledge the impact creativity and art industry interaction can have on Irish society."



*Pictured at the Allianz Business to Arts Awards are Gerard McNaughton of TileStyle (second from left) presenting the Jim McNaughton Award for Best Commissioning Practice for "Starboard Home" to (l-r): Simon Taylor, CEO of the National Concert Hall, Gary Sheehan, Head of Programme Planning, National Concert Hall, and Eamonn O'Reilly, CEO of Dublin Port Company.*





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## Port Centre Opening Ushers in New Era at Dublin Port

October 13 saw the official opening of Dublin Port Centre, where guests of honour included Ardmhéara Bhaile Átha Cliath and Honorary Admiral of Dublin Port, Mícheál Mac Donncha, An Taoiseach Leo Varadkar TD and Minister for Finance and Public Expenditure & Reform, Paschal Donohoe TD.

The project, which began in November 2016, marks the largest physical intervention by Dublin Port to reintegrate the Port with the City, as committed to in the company's Masterplan. The project has softened the Port's boundaries to the City and provides public realm at Port Centre for the first time in 35 years.

MC'd by well-known broadcaster Eileen Dunne, the 500-strong crowd, which was made up of members from

the communities surrounding the Port, was serenaded by acts including Damien Dempsey, John Sheahan of the Dubliners, The Blades, Lisa O' Neill, Colm Mac Con Iomaire of The Frames and Catherine Fitzgerald, many of whom were featured on Dublin Port's 2016 album, Starboard Home.

Speaking at the official opening ceremony, the Ardmhéara, Mícheál Mac Donncha said: "It is a great honour to officially open Dublin Port Centre. The Port is such a huge part of Dublin City's life and I believe with this project finally completed, that connection is set to become stronger and stronger."

Eamonn O'Reilly, Chief Executive, Dublin Port Company said: "Dublin Port is delighted to begin this new chapter



*An Taoiseach, Leo Varadkar TD (left) with Lucy McCaffrey, Chairperson of Dublin Port Company, Lord Mayor of Dublin, Mícheál Mac Donncha, and Eamonn O'Reilly, CEO, pictured after unveiling the new art insulation entitled "The Sphere" at the official 'opening up' of Port Centre.*



*Damien Dempsey, Colm Mac Con Iomaire and John Sheahan, perform at a special concert to mark the official opening up of Port Centre.*

of Port City integration. In recent years, the connection has waned somewhat but this is a new era for the Port. Rebuilding the connection between the Port and the City, which was so strong a century ago, is something which will be at the core of everything we do going forward.”

Speaking at the event, An Taoiseach Leo Varadkar TD said: “While Dublin Port’s key focus is on its infrastructural development and the import and export needs of the Irish economy, it also has a strong commitment to rebuilding the linkages between the port and the city. This new project will enhance Port-city integration to the benefit of city dwellers and visitors.

“Dublin Port is at the heart of what is emerging as one of the most exciting neighbourhoods in the city, and the opening of this port centre will add to the buzz and energy of this area, as well as providing locals with a host of new amenities to enjoy.”

Port Centre had been a hive of activity in the preceding months as the development of public space progressed. Projects included the removal of a section of the existing old boundary wall to create new pedestrian entry points at Alexandra Road and East Wall Road and the unveiling of Crane 292 a newly restored crane from the 1960s which now stands proudly towering over Port Centre (See separate story on Page 32).



*Paul Cleary and The Blades performing at the official opening up of Port Centre.*

## Safety Award for Dublin Port Company

For the second year running, Dublin Port Company was awarded a Distinction Award for its Health and Safety Practices at the NISO All Ireland Occupational Safety Awards 2017, held on October 13 at a special ceremony in Galway.

“Dublin Port Company is responsible for the management, control, operation and development of the Port and safety is our number one priority as part of

an efficient and effective facility,” noted Laura Kearns, EHS Manager (Interim). “Dublin Port is a busy and thriving facility with many hazards and areas of high security. Our Safety Management System is aligned and certified to the requirements of OHSAS 18001 and independently audited on a six monthly basis. Both the OHSAS 18001 certification and the NISO Award demonstrate our positive and proactive culture of safety management.”

Harry Galvin NISO President (far left) and John Thompson, incoming NISG chair (far right) pictured presenting the NISO Distinction Award to (l-r): Laura Kearns, Bernadette Brazil, David Thornton and Lynette Harcourt, from the EHS team at Dublin Port Company.





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## World's Biggest Ro-Ro Ferry Arrives in Dublin Port

MV Celine, the world's largest Ro-Ro ferry, made a maiden call to Dublin in October from Zeebrugge.

The 234m Ro-Ro freight ferry, with a capacity of 8,000 lane metres and a maximum depth of 8.1m, was designed to operate on the Ireland-Belgium route and Ireland-Netherlands route, and was launched by CLdN.

Experts predict that similarly sized ships will play a bigger role in the coming years, particularly post-Brexit, with the increasing importance of direct sea transport links to mainland Europe.



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# Reviewing the Masterplan

Eamonn O'Reilly, Dublin Port Company CEO, talks us through the review of the Masterplan 2012-2040 and what it will mean for the Port and the local communities.



Dublin Port Company is currently reviewing its Masterplan 2012-2040, following a public consultation process in 2017, which saw the Port engage with a range of stakeholders, from commercial interests to community groups and residents.

Five years after the publication of the original document, the time was right to review the strategy document which will shape the development of the port for the remaining 22 years of the Masterplan period.

There are a number of reasons why 2017 was the right time to review the Masterplan, according to Eamonn O'Reilly, Dublin Port Company CEO. Having gone through the planning process and received permission for the Alexandra Basin Redevelopment (ABR) Project, the largest single infrastructure project in the history of the port, and having built up "significant experience in recent years of carrying out construction projects at the current market prices, we have more clarity on what the future holds".

"It is appropriate when you have more clarity on the future to go back and reassess the assumptions you made in the original plan and to adapt that plan in light of what you now know," O'Reilly explains.

#### **Unanticipated Levels of Growth**

The other overarching reason has been the unanticipated level of growth in recent years: "From 2014 on, growth

has been phenomenal. 2017 was a record year, following on from previous record years in 2015 and 2016. We believe that 2018 will be another record year for the Port," the CEO notes.

Particularly significant were the 2017 growth rates of 5.0% in Roll-On, Roll-Off (Ro-Ro), and 5.2% in Lift-On, Lift-Off (Lo-Lo) containers. "Those are the two modes of traffic that generate the biggest requirement for land and for quay walls: the areas that generate the need for us to invest in development projects," O'Reilly explains. The growth in cargo trade through Dublin Port shows no signs of abating. O'Reilly points to the launch last October of CLdN's MV Celine, the biggest Ro-Ro ship in the world, which is set to call regularly at Dublin. "This is the biggest freight ferry of its type on the world, with 8,000 lane metres" he explains. "In addition, Irish Ferries are also launching a new ferry this summer on the Dublin-Cherbourg route, the WB Yeats, and even before that ship has gone into the water, they have announced another new build, which will run on the Dublin-Holyhead route from 2020.

"We did our planning on the ABR Project on the basis that ships will get bigger and even before we are a third of the way through that project, the very big ships are starting to come into Dublin Port. We need to berth them and there are more and more of them every year, so we need more berths."



These factors combined meant that there was a need to review the Masterplan from its original incarnation. “What is absolutely clear to us now is that we need to build the same infrastructure we envisaged when we first published the Masterplan, but we need to build it sooner rather than later,” the CEO stresses

**Utilising the Existing Footprint**

Probably the biggest change to come out of the review is that Dublin Port Company plans to build that infrastructure on the existing land footprint, rather than increase the Port’s landmass via infill.

“We have entirely abandoned the idea that we would revert to any expansion of the Port by way of infill into Dublin Bay,” the CEO explains. “We are going to use the existing footprint, on the North Quays, Poolbeg Peninsula and the new lands we have bought at Dublin Inland Port (a 44 hectare site adjacent to Dublin Airport).

“We knew coming into the Review process that the proposed 21 hectares expansion by infill had to go. Even if we thought there was some chance we would get planning permission for infill into Dublin Bay, I think we believe that it would be the wrong project. When you reconcile yourself to that, you then must look much more

clearly at the other options that will allow you to reach the required footprint and the required infrastructure.”

Admitting that Dublin Port Company is “a bit more attuned to the natural environment in the vicinity of the Port than we were when we worked on the original Masterplan”, O’Reilly insists that “proper planning and sustainable development means maximising the brownfield sites we have in the Port.”

Utilising the existing DPC footprint to its maximum capacity means that the port itself will reach its maximum throughput by around 2040, the CEO avows. “The upshot of that is that we must start to think about what is going to happen beyond 2040 and that is the building of new port facilities, north or south of Dublin. In the meantime, we are focusing very much on the medium term. By 2035, I think we will have completed all the Masterplan works and we think that will give us enough capacity to last us up to around 2040.”

**The Importance of Public Consultation**

Engaging in a public consultation process was an important part of the Masterplan review. “You can’t sit in splendid isolation and come up with a plan that you think is the only way it can work. You have to consult with people,” O’Reilly stresses.



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*The public consultation process resulted in 67 formal responses from a range of participants with an interest in the Port and its environs, including recreational groups.*

The public consultation process was very well received, with a high level of participation from stakeholders. The community briefings attracted over 130 people from Clontarf, East Wall and Ringsend, while the consultation process itself resulted in 67 formal responses from a range of participants, including commercial (14), environmental/recreational/amenity (6), individuals (18), residents/ residents groups (21), public representatives (1), governmental/statutory bodies (5), trade and representative groups (2). Some of the areas/challenges raised in the formal responses included environmental concerns, including air pollution and increasing traffic.

“There has been very long engagement between the public and the Port, going back to the late ‘60s and early ‘70s and a lot of that would have been opposition to what the Port’s plans were,” the CEO admits. “So there is a very well informed public out there. When they hear or see that anything is going on in the Port, it does give rise to immediate interest, so the consultation process was very healthy.

“The big concern that people have about the Port is ‘where is all this going to stop?’ If the Port keeps getting bigger, that creates a sense of unease. I think we now understand that. What we are now able to say, however, is that the existing footprint is the ultimate extent of the Port. On that footprint, we will look to intensify what we are doing. That will hit its own natural limit by about 2040 so I think that brings a lot more certainty to people.”

The decision not to infill is a massive sea-change for Dublin Port. The CEO cites a 1970s consultation by the then Dublin Port and Docks Board into the redevelopment of Dublin Port. It envisaged an enormous infill on both the Tolka estuary side and Sandymount strand. “It caused colossal worry and concern and generated a lot of negativity,” O’Reilly notes. “But we are now saying that the footprint will not increase. That gives a lot more certainty. That allows us to focus in on the more immediate impacts that the Port’s growing operations might have, like traffic, air quality, noise etc. I think once you provide people with reassurance on what the ultimate

impact might be, it allows for more fruitful dialogue on more immediate concerns, which we can address through our planning applications.”

Despite the fact that the Masterplan is non-statutory, Dublin Port Company is subjecting it and its review to a Strategic Environmental Assessment, “which helps to better inform the plan and subsequent planning applications that emerge from that plan. It gives much greater clarity to stakeholders as to what our plans are.”

#### **The Poolbeg Peninsula SDZ**

Some of those plans relate to the Poolbeg Peninsula, which has been designated as a Strategic Development Zone (SDZ). Dublin Port Company has engaged very actively on the Poolbeg West SDZ planning scheme. “The big issues are that there are going to be an extra 3,500 housing units, with maybe 8,000 people, in half of the SDZ, while in the other half of the SDZ, on lands we own, we are looking to increase our cargo throughput,” O’Reilly muses. “So how do you reconcile those two things?”

The Masterplan Review has revealed two things that can reconcile the residential and the Port’s commercial concerns. Firstly, Dublin Port Company is looking to move the existing container terminal on the Poolbeg Peninsula eastwards by two kilometres and use the lands where the existing container terminal currently stands for Ro-Ro freight. “So we’d be moving activity like big cranes and



*Artist's impression of the Victorian graving dock.*



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visually intrusive stacks of containers away from both existing and new residents,” O’Reilly notes. The CEO goes on to stress how “we would not apply for planning permission for any scheme on the Poolbeg Peninsula unless we had more certainty on how additional road capacity will be put in place to move traffic across the river, as the Tom Clarke Bridge does not have the capacity at the moment.”

Dublin Port Company is working on plans to deliver a Southern Port Access Route, in collaboration with Transport Investment Ireland, the National Transport Authority and Dublin City Council. The new route will be another river crossing, most likely a bridge, immediately beside the Tom Clarke Bridge, which would then link up with the existing Port Tunnel.

“Our view is that it can be made available for port traffic and public transport only, thus allowing public transport a congestion-free route from the Poolbeg Peninsula to the North Quays. You also have the ability to put all the heavy traffic on the new route and keep it as far away from residents as you can,” O’Reilly notes.

Timing, however, is critical to the project. “From our point of view, that needs to be built in the next 5-10 years, which isn’t a long time for a roads project of this size. But I think it can be done in a way that is going to address the concerns that people have about Port developments on the Poolbeg Peninsula. Not only does it take away the negatives, but it also potentially adds a lot of positives in relation to public transport.”



### Protecting the Heritage Assets

Another aspect of the Masterplan is the protection and promotion of the heritage assets in the Port, part of DPC’s ongoing Soft Values Programme, which has been running for a number of years, with a view to reintegrating the Port with the city it serves. Some of the completed projects include the refurbishment of a 140-year-old Diving Bell, on display at Sir John Rogerson’s Quay, and more recently the opening up of Port Centre with a public plaza. Construction work has begun on a new project which will ultimately deliver a cycle and pedestrian route overlooking the Tolka estuary.

“Ultimately, we envisage a port trail leading from the Diving Bell on Sir John Rogerson’s Quay to the Tolka estuary,” O’Reilly explains. “Port Centre will be one stop on that route, while among the stops yet to be built are the redevelopment of the Odlums Flour Mill, which will probably house a heritage centre, and the opening up of an old Victorian graving dock and its associated pumphouse – we have planning permission



for that as part of the ABR project. We need to make the port permeable and accessible to people, so they can understand the industrial heritage, the history of the port and its connection to the city, and they can also enjoy the walk along the Tolka estuary, which is going to give people a view that nobody gets these days.”

The other side of the Soft Values Programme has seen Dublin Port Company actively engage in commissioning high profile arts projects in recent years, all based around the theme of the Port, the river, the city and the links between them. These have included the Port Perspectives visual arts project last year and the hugely successful Starboard Home music project in 2016, the recipient of a Business to Arts award. This year the focus moves to a theatre-based project.

“We will keep mining these areas,” the CEO explains. “The response we get is universally positive, from Government ministers, senior civil servants, people in the arts, other major companies and, most importantly,



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One of the runners-up in the #MyPortPerspective photo competition. Photo by Eamon Cummings.

from local communities. 2018 is European Year of Cultural Heritage and I'm glad to say that the Port, in terms of what we have been doing over the last five years, has been right there on the cutting edge of thinking in terms of using heritage and culture to improve communities, to improve people's lives, to make things more enjoyable, but also in our case to integrate a great big lump of infrastructure into the city."

**Judging the Success of Masterplan Phase One**

So how does the CEO judge the success of Masterplan Phase One?

"We can judge that success in a few ways," he answers. "The work we did on producing the Masterplan informed

the ABR Project and it informed our approach to its Environmental Impact Assessment. Ultimately, it brought together a project which was granted planning permission from An Bord Pleanála, foreshore approval from the Department of the Environment and some essential consents from the EPA. By going the Masterplan route, we educated ourselves and we went about our business in a way that was more acceptable to the organisations who give consents.



Linkspan 6 Ramp at Berth 31 in Dublin Port.



Eamonn O'Reilly, CEO of Dublin Port Company (centre), pictured with the visual artists that took part in the Port Perspectives series.

"The Masterplan is now referenced in the Dublin City Development Plan, National Ports Policy, the legislation that set up the Poolbeg West SDZ and the forthcoming National Planning Framework. So I think the Masterplan is a document that people from the outside have looked to, recognised as a document of substance and have facilitated that or incorporated it into their own plans. Ultimately, we have moved from a position where the Port



really wasn't accepted by Dublin City to a point where what we say we are doing is now accepted by the city and we are working together."



Aerial view of Cruise Liners on Berths at Dublin Port

This positional change is quite a turnaround in a relatively short period of time, historically. "It is a big change," O'Reilly admits, "but maybe timing is everything. We started working on the Masterplan in January 2011. We quickly forget just how awful the view of the world was at that time. Many companies both in the Port and throughout the country saw their businesses shrink when the recession hit; there were a lot of cut-backs; the level

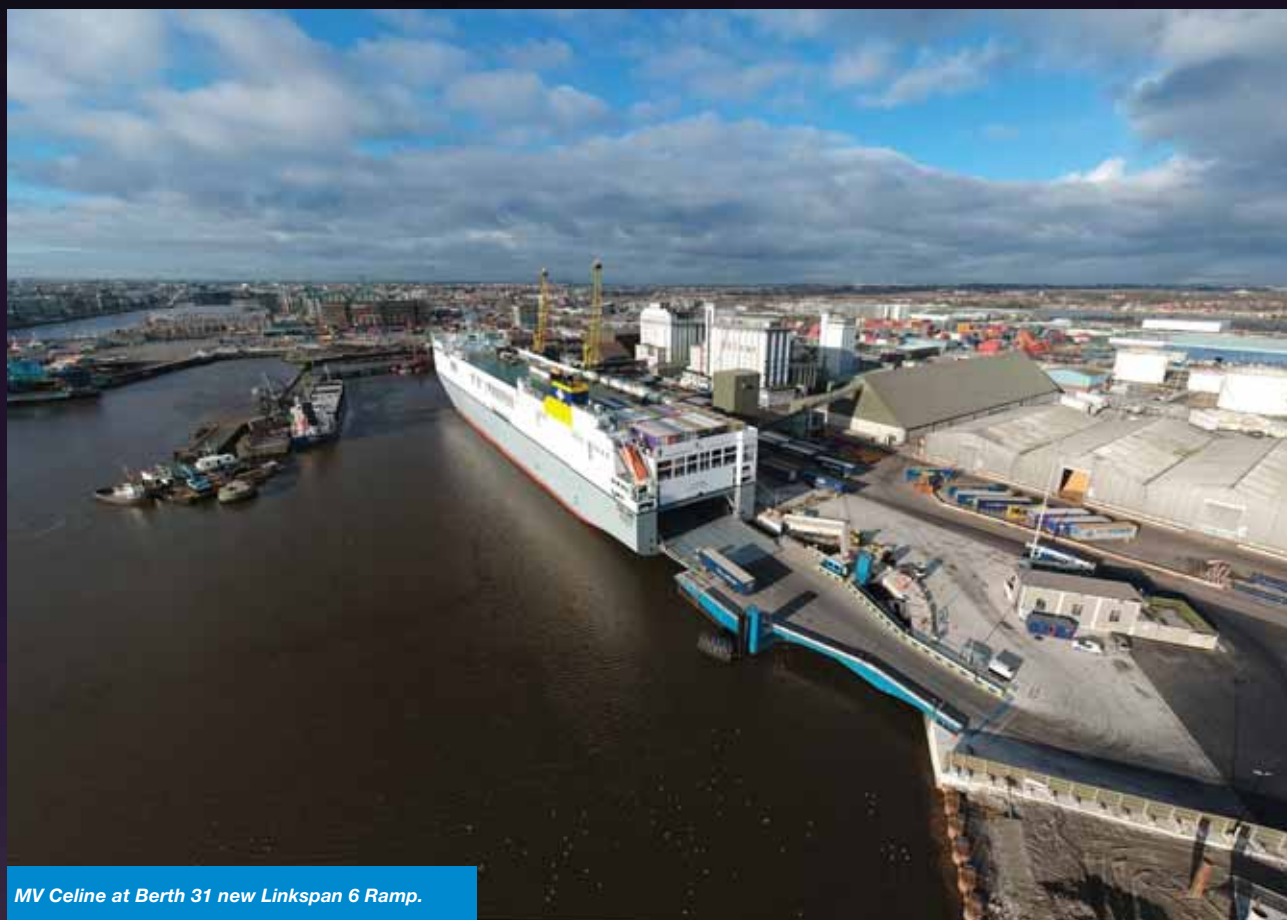
of unemployment rose enormously in a short period. So I think the timing was probably beneficial for us to bring forward plans which gave some element of certainty, combined with optimism, about what was going to happen in the future."

**Strategic Environmental Assessment**

DPC is currently putting the finishing touches to the Strategic Environmental Assessment on the Masterplan Review. "The reviewed Masterplan will then go out for a final element of public consultation and we envisage it being endorsed by the board of the company in the middle of 2018," the CEO predicts. In advance of that happening, the company has started work on the second major Masterplan project, the MP2 Project, and has started to engage with An Bord Pleanála, with a view to lodging for planning by the end of the year.

In the meantime, there's the considerable matter of the company investing €132m in capital projects during 2018.

"We've never invested that sort of money before, but that amount is a measure of the need we have to accelerate investment. We don't want to have to push trade out of the Port while we do the work needed. The volume of trade is increasing on the same footprint we need to do the work on. That's the challenge for the Port in the coming years."



MV Celine at Berth 31 new Linkspan 6 Ramp.

# Crane 292 Stands Tall Again

One of Dublin Port's iconic cranes has been restored to its former glory, standing tall by Port Centre.

2017 saw Dublin Port Company making a striking change to the city's skyline with the resurrection of one of its iconic 1960s cranes. The 115 feet tall Crane 292 has been lovingly restored to its former glory, with an illuminated cabin for powerful night-time impact, and now stands proudly adjacent to Port Centre once again.

The idea to resurrect the crane came from Eamonn O'Reilly, CEO of Dublin Port company, during the pre-planning design phase. "It was a significant game changer at that point as the focus of the scheme shifted to the south and how best we could celebrate and place the crane in the street-scape," recalls James Kelleher, Project Manager, Dublin Port Company. "The concept of a sculptural crane enclosure emerged at that point and it became a significant element in the overall scheme."

## Steeped in Port History

Crane 292 is steeped in port history, having served as a 'workhorse', loading and unloading bulky material from ships at Alexandra Quay from 1964 through to its retirement in 1997. It was constructed by the famed Stothert and Pitt company of Bath, whose origins dated back to the great Victorian era of engineering. Crane 292 derived its name from its position as the second crane at berth 29 in an era when cranes were synonymous with the City and Port skyline – with up to 60 cranes at that time extending right down to Custom House Quay, much closer to the city centre.

According to Kelleher, resurrecting Crane 292 involved "a considerable amount of work, both pre-contract and during the actual contract itself", involving the Dublin Port Company project and design team, the main contractor and a range of specialist contractors involved in survey, coatings and structural inspection, and subsequently the physical works, encompassing cleaning, blasting, painting, structural repair, transport, on and offsite fabrication, lighting and illumination, cramage and assembly on site. Quality control being a key focus for all the project team at all times. Kelleher described this element of the overall project to the team as the "jewel in the crown" throughout the project.

Kelleher describes the six-month process in four words: “Complex, frustrating, satisfying, rewarding.” The result was well worth the effort involved, as can be seen by anyone passing close to Port Centre, as Crane 292 draws the eye skyward. Reaction so far has been “overwhelmingly positive, internally and externally: it is now a landmark,” Kelleher notes.

“The crane’s installation is part of the softening of the Port’s boundaries with the city and our drive to provide public amenity and realm at Port Centre for the first time in 35 years,” notes Eamonn O’Reilly at the topping out ceremony to install the crane. “The Port has always been integral to the city and this is a wonderful reminder of a time when the physical operations of the Port extended right into the heart of the city. This is a wonderful new city landmark and marks a significant commitment in our Masterplan for the future development of the Port.”

### **The Heartbeat of the Port**

Dublin Port employee, Paddy Paisley was one of several operators who regularly worked on Crane 292. “It brings

back so many memories to see Crane 292 back and literally in lights, at the Port Centre,” he recalls. “Modern port operations have moved on so much in recent times, but it’s not that long ago that these cranes were the heartbeat of the Port and ensured everyone got the goods they needed on time, on a daily basis. It’s a wonderful way to remind modern citizens of the importance of the Port in all our lives.”

The restoration and installation of the crane was carried by leading civil engineering firm, Wills Bros on behalf of Dublin Port Company.

“The restoration and installation of the crane presented a number of significant engineering, architectural design and logistical challenges,” reveals James Kelleher, “including the closure of roads and deployment of heavy machinery and the realisation of quality targets for paintwork and the rebuilding of the cab assembly to a very high specification. The months of planning paid off with a seamless install, delivered in line with health and safety best practice.”



*Pictured are (l-r): Charles Wills, Managing Director, and John Cunningham, Contracts Manager, both from from Wills Bros.; Eamonn O’Reilly, CEO, Dublin Port Company; and James Kelleher, Project Manager.*

*Pictured are (l-r) Tony Forde, Liam O'Brien and Pat Paisley, the last three crane drivers at Dublin Port Company*

### **A Hive of Activity**

Port Centre has been a hive of activity over the last year as the development of public space progressed. Elements of the scheme included the removal of a section of the existing old boundary wall to create new pedestrian entry points via Cor-ten steel turnstile gates at Alexandra Road and East Wall Road. Visitors will discover a landscaped "maritime" garden with seats for reflection and relaxation. NCAD graduate and up and coming Irish artist Eimear Murphy's new sculpture 'The Drop' features in the garden. The sculpture is made from solid concrete and plays with notions of fluidity in

its design. The commissioning of this piece highlights the Port's long-term commitment to supporting the arts.

As revealed in the 2017 Yearbook, Dublin Port Company is also focused on plans for a new internal road network, cycle lanes and pathways. Approved by Dublin City Council and scheduled for development, the three-kilometre route will give pedestrians and cyclists access to the Port estate for recreational use for the first time. It includes a perimeter route with vantage points overlooking the Tolka Estuary.



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# Port Perspectives Series

The Port Perspectives programme saw Dublin Port Company continue its support of the arts, with a number of high profile events throughout 2017.



The works of the acclaimed Belgian artist, Eugeen Van Mieghem were on display to Irish audiences for the first time at Dublin City Gallery The Hugh Lane during 2017.



Dublin Port Company continued its support of the arts throughout 2017, with a strong focus on the visual arts through its Port Perspectives programme, which saw a number of high profile events and exhibitions taking place throughout the year.

The works of the acclaimed Belgian artist, Eugeen Van Mieghem were on display to Irish audiences for the first time at Dublin City Gallery The Hugh Lane from February to June. Entitled 'Eugeen Van Mieghem: Port Life', the

exhibition provided a fascinating visual account of the pulsating life of the Port of Antwerp at the turn of the 20th century.

Featuring more than 70 paintings, drawings and prints, this unique body of work provides a social history, depicting the life of the artist and exploring themes of migration, globalisation, and the working port community – themes that resonate with Dublin as a port city in Europe today.

Dublin Port Company CEO, Eamonn O'Reilly and Erwin Joos, pictured at the launch of 'Eugeen Van Mieghem: Port Life'.

September 2017 saw the launch of AEMI & Cliona Harmey's 'port | river| city', a season of artist, experimental, and archive moving-image artworks that interrogate and reflect on ports and their environs.

In this series of works, Van Mieghem illustrates the harsh labour conditions of dockers, porters and sack-sewers at the time of mechanisation, empathises with the plight of refugees under German occupation, observes the colourful characters that frequented his parents' quayside café/tavern, and documents the social life of the city, including the elegant cafés of Belle Époque society and promenades along the Scheldt. The artist's personal life is also revealed through drawings and paintings documenting his first wife, who became ill with tuberculosis and died at the age of just 24.

In keeping with Dublin Port's commitment to port-city integration, the exhibition included a special programme of events designed by The Hugh Lane to bring Van Mieghem to a wider audience. A series of public lectures and 'coffee conversations' took place at the gallery during the exhibition, including a public lecture on the life of the artist by Erwin Joos, Director, Eugeen Van Mieghem Museum, Antwerp, as well as artist-led workshops, Sunday sketching sessions and guided tours for younger audiences.

"Dublin Port was delighted to be the main sponsor for this exhibition and see the works of Van Mieghem in Ireland for the first time," noted Eamonn O'Reilly, Chief Executive, Dublin Port Company. "His is one of the few visual histories of port life in 20th century Europe, illuminating and recording the strong ties that existed between Antwerp's port, city and people. The historical and cultural links between ports and cities have been lost over time, and Dublin Port is now focused on developing these bonds again."

#### Artists Bring New Perspective to Port & City

March saw the announcement by Dublin Port Company of the artists commissioned to create a series of site-specific public artworks in response to Dublin Port and its relationship with the city. Part of the Port



Sheelagh Broderick's 'Port Walks' looks to create a link between those who work at the Port and those who use its environs for recreational purposes.

Perspectives programme, the announcement revealed Sheelagh Broderick, Silvia Loeffler and AEMI & Cliona Harmey as the artists whose new works were unveiled at sites and on structures within Dublin Port over the year.

An open call for proposals from Irish and international based artists attracted over 100 submissions, from which the three projects were selected, as judged by a panel of experts drawn from the public arts commissioning, education and heritage arenas.

Sheelagh Broderick's 'Port Walks' looks to create a link between Dublin Port Workers and Dublin Port Walkers, i.e. between those who work at the Port and those who use its environs for recreational purposes. Based at the new Seafarers' Centre on Alexandra Road, international seafarers arriving at Dublin Port were invited to collaborate with Sheelagh on creating a series of audio guides to their home towns and cities. The audio is available to download and highlight to walkers on the Great South Wall, encouraging local walkers to connect with the world of the international port worker. Launched on May 1, Sheelagh's project brings an inclusive and international dimension to the series, celebrating multiculturalism and social diversity at the heart of port life.

Meanwhile, the work of Silvia Loeffler unfolded in a number of phases during the summer of 2017. 'Transit Gateway: A Deep Mapping of Dublin Port' documents the transitional changes in the shape of Dublin Port, from its medieval shoreline to modern day configuration. In collaboration with partners and the local community, Silvia worked over a nine-month period on artistic cartography, to show the changing connections of the city and how the Port has acted as a gateway, creating a vital connection for the city with the wider world. Her work was on display in the Terminal 1 building at Dublin Port, and a seminar was held each month to mirror the nine phases of the mapping process.



The work of Silvia Loeffler, 'Transit Gateway: A Deep Mapping of Dublin Port' documents the transitional changes in the shape of Dublin Port, from its medieval shoreline to modern day configuration.



September saw the launch of AEMI & Cliona Harmey's 'port | river | city'. This project researched and co-curated a season of artist, experimental, and archive moving-image artworks that interrogate and reflect on ports and their environs. Their collaborative project comprised a series of cinematic screenings, as well as site-specific installations across a number of strategically chosen locations in the city over a three-week period.

"We were overwhelmed by the response and calibre of projects submitted following our open call in September 2016," revealed Eamonn O'Reilly. "Dublin Port is delighted to commission original new works from three exceptionally talented artists, whose projects bring the history, social fabric and industrial setting of Dublin Port to life in new ways – not just for those who work at Dublin Port, but for all who visit and especially for those who have yet to venture this far."

*Sheelagh Broderick, Silvia Loeffler and AEMI & Cliona Harmey, the winning artists in the Port Perspectives competition to create a series of site-specific public artworks in response to Dublin Port and its relationship with the city, pictured with Dublin Port Company CEO, Eamonn O'Reilly, and Andrew Hetherington, CEO, Business To Arts.*





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**Venice Biennale: Tremble Tremble  
by Jesse Jones**

A further strand of Port Perspectives is Dublin Port's sponsorship of Jesse Jones, who represented Ireland at the 57th International Venice Biennale, the world's oldest and biggest international art exhibition, in 2017.

Described as an "expanded form of cinema", 'Tremble Tremble' occupied the Irish pavilion in Venice from May to November and is the work of film and performance artist Jesse Jones, in collaboration with theatre artist Olwen Fouéré, and sound artist Susan Stenger, mixing testimony, published statements and lyrics.

**Art Works from Community Drawing Clubs  
and City Schools**

More than 30 aspiring artists from Dublin's north and south inner city saw their art work displayed in Dublin City Gallery, The Hugh Lane as part of an unique Dublin Port Company project.

Drawing Clubs were held with five community groups over months, as part of Port Perspectives, and sketches, watercolours, pastels and collages capturing images and memories from life at Dublin Port were created by young and old during the series of workshops across the capital. The artists ranged in age from as young as 11 to almost 80 years old.



*Dublin Port Company sponsored Jesse Jones, who represented Ireland at the 57th International Venice Biennale, the world's oldest and biggest international art exhibition, in 2017.*



The Drawing Clubs were held in:

- St Andrew's Resource Centre, Pearse Street, with artist Ivan Connolly;
- Ringsend and Irishtown Community Centre, Ringsend, with artist Chris Maguire;
- Sean O'Casey Community Centre, East Wall, with artist Liz Smith;
- St Andrew's Resource Centre Youth Club, with artist Genevieve Harden;
- East Wall Youth Club, with artist Janine Davidson.

The exhibition was launched by Dublin's Lord Mayor, Mícheál Mac Donncha on July 4 and was open to the public until July 16.

*More than 30 aspiring artists from Dublin's north and south inner city saw their art work displayed in Dublin City Gallery, The Hugh Lane as part of an unique Dublin Port Company project, including those from the Sean O'Casey Community Centre, East Wall.*

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*Dick Nugent, 75, from North Strand, a member of the Drawing Club in the Sean O’Casey Community Centre in East Wall, pictured in Dublin City Gallery, The Hugh Lane*

Some of the artists included Mairead Cullen (70) and Felicity Murphy (65), who attended the Drawing Club in St Andrew’s Resource Centre. Mairead is a member of Dublin Dock Workers’ Preservation Society and has painted several images of the Port. For this project, she painted an acrylic of the old Guinness boat on the River Liffey and the Liffey Ferry Boat. Felicity is a regular visitor to the Hugh Lane Gallery: “It is brilliant to have my work hung there”.

Dick Nugent, 75, from North Strand, is a member of the Drawing Club in the Sean O’Casey Community Centre in East Wall. He sketched an image of a herd of cattle boarding the cattle boat at Dublin Port, which brought him back to this childhood.

He grew up in Blackhorse Avenue, Dublin 7, and recalls being paid “a few bob” to help drive the cattle down to the port as a child. He later worked at sea with Irish Shipping and at Dublin Port, where he was a port radio operator. He retired in 2002 and only began drawing earlier this year when he joined his local art group.

Dympna O’Halloran, from Pearse Street, Dublin, is a member of the Drawing Club in Ringsend and Irishtown Community Centre. She has been painting for several years and for this project completed an oil painting of a Tall Ship sailing up the River Liffey.

Eamonn O’Reilly, Dublin Port Company Chief Executive, explained how “For decades, Dublin Port touched almost every family living in the vicinity of the north and south quays. Now they have brought those memories back to life through drawing and painting. Dublin has always been well

known as a port city, but up to now we’ve had no pictorial representation of that. This is the start of that process.

“This has been a very special project. Not only are we bringing the arts into the Port communities, but we are bringing their works created to the Dublin City Gallery, the Hugh Lane. It is amazing to have this exhibition in such a prestigious gallery.”

Jessica O’Donnell, Head of Education and Community Outreach at Dublin City Gallery, the Hugh Lane, said: “We are delighted to exhibit the artwork made by the Port Perspectives community clubs and to congratulate all involved for embracing the theme so successfully.”

### **My Port, River, City**

The idea of actively involving the local community in the Port Perspectives programme continued into December with a photographic exhibition entitled ‘My Port, River, City’, which saw students from Ringsend College revealing their unique take on Dublin in the CHQ Building. The exhibition showcased new works from over 100 budding young photographers aged 12 to 17 years old – for most of the students involved, this represents their first official exhibition.

This special project included a gift of digital camera equipment to Ringsend College to enable the students to take part. The students had the opportunity to work with professional photographer, Mella Travers, who mentored the group over an eight-week period as they developed their own bank of photography in response to the brief ‘My Port, River, City’

*A photographic exhibition entitled ‘My Port, River, City’ saw students from Ringsend College revealing their unique take on Dublin in the CHQ Building.*



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It entailed the students setting out to explore the greater Port area from the Great South Wall into the bustling Docklands. The students managed to capture unique moments across Dublin from windswept natural beauty to everyday moments in the City that go unnoticed.

Krystian Kilarski, a 4th year student spoke about how the project helped him develop a connection to the Port, River and City: "I live in Balbriggan and travel into Ringsend College each day. My family moved to Ireland from Poland seven years ago so I never really knew much about these areas, I barely even realised there was a port! Since I took part in this project I have been able to develop a real connection to the Port, River and City."

Mella Travers, a professional photographer, has long ties to Ringsend College and speaks highly of the school's commitment and holistic approach to their students' education. "The students put the hard work in and it has been wonderful to help foster their talent. This has been a very rewarding project, just seeing the students grow in confidence in their abilities and believing in themselves," she noted.

Eamonn O'Reilly, Dublin Port Company Chief Executive, described this as "a very special project for us and we believe in putting time and support into local communities and the next generation. Not only are we helping these students learn a new skill, we are encouraging them to make a connection to the Port, River and City."

#### #MyPortPerspective

Finally, more than 12,000 people voted for Dublin Port Company's 'My Port Perspective' photo competition. Dublin Port Company asked the public to capture their favourite "Perspective" of Dublin's City Port and the judges were blown away with the amazing images, which showcased what part of the Port, City and River is special to each entrant.

The competition had some superb prizes, including the overall prize of a Canon EOS M10 camera, a ScanDisk Elite 32GB UHS Card, a voucher card for a Canon Digital SLR training course, a Dublin Bay Cruise for two people, a €200 voucher for Aqua restaurant, Howth. The winning image was entitled 'Fisherman at Great South Wall', taken by Dylan Clayton.

Port Perspectives builds on previous arts commissions by Dublin Port Company, including Starboard Home with the National Concert Hall – a new song cycle of Irish music and spoken word inspired by Dublin Port, Dublin City and the River Liffey; Cliona Harmey's "Dublin Ships" installation on the Scherzer Bridges in conjunction with Dublin City Council; and the re-imagining of The Diving Bell on Sir John Rogerson's Quay. The Port Perspectives programme will continue in 2018, combining visual and performance arts.

Winner of the #MyPortPerspective photographic competition, 'Fisherman and Friend at Great South Wall', taken by Dylan Clayton.



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# Sailing Into Recovery

Ireland's first Voyage of Recovery took place last September, helping those with addiction problems to build confidence through sailing.

Voyage of Recovery is a new programme which provides opportunities for those with drug and alcohol addiction problems to develop skills and build confidence through sailing. The inaugural Irish Voyage took place in September 2017, organised by the Cork-based Sailing Into Wellness organisation and Coolmine Therapeutic Community, supported by Dublin Port Company, and saw two yachts sailing from Kinsale, Co. Cork, to Dublin Port, via Dunmore East, Co. Waterford.

Sailing into Wellness is a not for profit social enterprise offering a sustainable sail training programme designed for community groups working with youth, addiction and mental health ([www.sailingintowellness.ie](http://www.sailingintowellness.ie)).

The Voyage of Recovery is a partnership between Sailing into Wellness and Coolmine TC, supported by Dublin Port Company.

“Sail training refers to time spent at sea designed to develop personal growth and social change. Sail training is internationally recognised as a therapeutic tool for addressing issues such as social inclusion, mental health and addiction issues,” explains Pauline McKeown, Chief Executive, Coolmine TC.

Coolmine is the only addiction Therapeutic Community provider working with disadvantaged communities and individuals in Ireland today. “We are a national service, providing a range of quality community and residential programmes, to empower people and their families to overcome addiction and to support long term recovery,” Pauline explains. “This includes the only mother and child residential rehabilitation centre in Ireland for pregnant women and women with young children. This offers a real opportunity to break generational cycles of addiction in Ireland today.”

### A Life Changing Experience

According to Pauline, the Voyage of Recovery is a life changing experience for clients in recovery from addiction: "It improves participants' self-confidence, their sense of personal responsibility, increases mental health well-being and develops education, training and career opportunities. It was made possible thanks to the sponsorship provided by Dublin Port Company: thank you."

The first Irish Voyage of Recovery took place in September 2017, coinciding with Coolmine hosting a European Conference on Drug and Alcohol Policy and Treatment in Dublin Castle. 12 Coolmine clients and two staff members took part in the voyage, which started on September 17 in Kinsale, stopped in Dunmore East and then into Dublin Port on September 19, and returned the same route on September 23.

"All 12 clients were drug free and in early recovery from addiction," Pauline explains. "All were from disadvantaged communities and none had ever experienced sailing before. Once sea legs were established, the strength of being part of a team sailing in the ocean, progressing every day around the beautiful coast of Ireland and communicating without drugs or alcohol was life changing.

"Sleeping overnight on the yachts at sea, being still and at one with nature, was something that the participants



Pauline McKeown, Chief Executive, Coolmine TC.

had never experienced before. All were exhilarated on arrival into Dublin Port. The sense of achievement, pride and self-confidence was contagious."



The first Irish Voyage of Recovery took place in September 2017, and saw 12 Coolmine clients and two staff members taking part in the voyage.

**“I didn’t want to get off.”**

David Mannion was one of the participants on the Voyage of Recovery and was almost five months into his recovery when he set sail. “I absolutely loved it from the minute we took off,” he told RTE’s Fergal Keane. “It felt like that boat was our world and there were no problems in my head when I was on the boat sailing through the ocean. It was unbelievable. It took 15 hours but it didn’t feel like that: the time flew in and I didn’t want to get off the boat. I could have done another two weeks. We all helped each other and worked together on the boat.”

Cork man, Robert Duggan, describes the Voyage as “unbelievable, mind-blowing” He’s already planning to sign up for future Sailing Into Wellness events: “It’s the beginning of a long journey for me personally. I’ll be coming back to this again and again.”

The inaugural Voyage of Recovery has been massively successful, according to Pauline: “All participants remain in recovery. This represents a 30% higher retention than those who are in treatment with Coolmine who were not exposed to the Voyage.”

*David Mannion: “It felt like that boat was our world and there were no problems in my head when I was on the boat sailing through the ocean... I didn’t want to get off the boat.”*

**Sponsorship Opportunities**

Colin Healy, co-founder of Sailing Into Wellness, is himself in recovery and established the organisation when he realised the effect sailing had on his life: “It helped me to develop and to get on with my life,” he reveals. Together with experienced sailing professional, James Lyons, they set up Sailing Into Wellness to help those with addiction issues through the medium of sailing. Phase one of the Sailing Into Wellness programme involves shorter day-sailing events, building clients’ skills, while phase two sees it expanding to longer voyages, such as the Voyage of Recovery.

Plans are already afoot to run a longer Voyage of Recovery this year, possibly expanding it to a five-day round-Ireland event.

“Although it’s early days, we are planning for a longer voyage in 2018 so we can double the number of participants that can be part of the Voyage of Recovery over the event legs,” explains Pauline. “We shall be offering sponsorship opportunities for the 2018 Voyage of Recovery.”

If you are interested in getting involved or learning more about the Voyage of Recovery, contact [james@sailinginotwellness.ie](mailto:james@sailinginotwellness.ie) or [paulh@coolminetc.ie](mailto:paulh@coolminetc.ie).



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# Rivalry on the Water

The rivalry between Ringsend's two rowing clubs, St Patrick's and Stella Maris, has been ongoing since the 1930s and has spurred both clubs to great success.

Ringsend is home to two hugely successful rowing clubs, St Patrick's and Stella Maris, which have been part of the fabric of Dublin Port since the 1930s, but their origins go back long before that to the practice of hobbling.

Hobblers were freelance pilots and competition to pilot ships into port was fierce: indeed, contracts were won by prospective pilots racing out to meet approaching ships; the first crew to meet the ship won the right to pilot it into port, as well as the contract to load/unload the ship's cargo while in port.

Hobbling was outlawed in 1936 but the rowing crews around Dublin wanted another way to prove their skill and speed, hence the formation of rowing clubs along the east coast, including the two in Ringsend.

Rivalry between the two Ringsend rowing clubs is intense. Indeed, legend has it that Stella Maris was actually formed by members of the St Patrick's club, following a disagreement over a time trial back in the mid-1930s.

"The crew that wasn't picked started up their own club, hence the formation of Stella Maris in 1937," explains Dave Cox, a member of St Patrick's Rowing Club for 42 years. "You can go to lots of towns in Ireland where there are two GAA clubs or two soccer clubs, Ringsend is the only town in the country with two rowing clubs, so the rivalry is pretty fierce."

The Stella Maris club have their own version of events which led to their formation, differing from that of St Patrick's. According to their annals, four members from the Pigeon House Road qualified to row in the senior races in 1936. The adjudicators felt that it would not be in spirit to have all four oarsmen from the one area and wanted to split them up: two from Ringsend and two from Pigeon House Road. The subsequent disagreement led to the building of another skiff, which was named Stella Maris (Star of the Sea), and hence a great rivalry was born.

*Dave Cox (left), pictured coxing as one of St Patrick's ladies teams gets up to speed.*



# Stella Maris Rowing Club

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Stella Maris club members are pictured presenting a cheque for €5050 to the Kevin Bell Trust following the 2017 Hope Row.

### A Healthy Rivalry

“It’s a healthy rivalry,” notes Liam Bannable, Chairman of Stella Maris. “It goes back generations. A lot of people who rowed years ago now watch their kids and even their grandkids rowing, although some people have swapped clubs down through the years. We do battle in the boats but then we’ll go and have a pint together. They (St Patrick’s) won the East Coast Championship last year, after we had won it for the previous four years, so that was a hard one to swallow but hopefully we’ll bounce back this year. It’s a healthy rivalry and the sport wouldn’t be the same without it.”

Some rowers have represented both clubs over the years, mainly down to marrying into a family who represent their arch rivals.

In order to ensure the rivalry remains sporting, the two clubs are considering running a joint regatta for under-age crews and splitting the crews up, so members of both clubs get to race with and against each other.

The rivalry has spurred both clubs to great success, with Dave Cox estimating that between them, the two Ringsend clubs have won 70-75% of races amongst all the east coast rowing clubs. “The art of rowing is very strong in Ringsend,” Dave Cox avows. “Some of the kids around here are born rowing.”



Stella Maris are extending their club house this year, including the introduction of a full gym.

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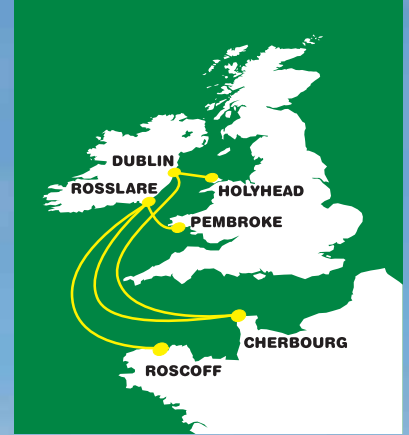
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### Extensive Charity Work

Both clubs engage in a lot of charity work. St Patrick's host the 'All In A Row' event, which in 2016 raised over €30,000 for Focus Ireland, while Stella Maris are the founders and organisers of their annual 'Hope Row', which started in 2012 and to date has raised €39,500. In 2017, €10,100 was raised for two charities, the Kevin Bell Repatriation Trust and the Irish Autism Society.

"Charity is very important to us, as is the idea of giving back to the community," explains Dave Cox. "As well as hosting the 'All In A Row' event, St Patrick's run the annual school regatta. For many of the local children, it's their first time in a boat, while we also run the inter-school competition. We've been hosting that for as long as I can remember."

Co-operation between clubs is probably best seen in these charity events, as Liam Bannable explains: "All the other rowing clubs participate in the 'Hope Row', which is fantastic, while the local community really gets involved as well. As well as the row, there is a 10km walk and run around Irishtown Nature Park and Pigeon House Road. It is a great fundraiser and we always pick two charities each year: the last two years, the charities have been chosen by the rowing club that contributed the most money to the event or the club that won the Hope Cup. Charity is very important to Stella Maris, to ensure that we are doing our bit within the community and indeed outside the community."

### Support from Dublin Port Company

Dublin Port Company provides important support to both clubs, in terms of sponsorship, which is vital to their

continued progress, but also in terms of advice and help when it comes to important events like club regattas. "Dublin Port Company has always been a major supporter of both clubs," Dave Cox says, "not just in terms of monetary value but also to help us organise regattas, from changing shipping times to lending us boats. Dublin Port is probably the only working port in the world where you will see active racing. The trust is there between Dublin Port Company and the rowing clubs and that has been built up over generations."

"Our relationship with Dublin Port Company is hugely important," Liam Bannable agrees. "We've a very good working relationship with them. They are very good to us in terms of sponsorship throughout the year. They sponsored all of our crews with new club gear for our 80th anniversary celebrations last year."

"Even from a safety point of view, with the amount of shipping coming in and out of the port, we have to ensure we have a great relationship with Dublin Port Company. We abide by their rules and stay inside the rowing lanes and on our regatta day, we are in constant contact with them on shipping traffic, and we have borrowed the Bradog boat from them on regatta day, which we use for starting or finishing races."

Crews from both clubs are a regular sight on the Liffey, particularly during the spring and summer months. "Every crew would try to train six days out of seven," Liam explains. "It's a huge commitment in terms of time but during the summer, there's nothing better than being out on the river."



Members from Stella Maris and Wicklow rowing clubs presenting a cheque for €5050 to Autism Ireland, following the 2017 Hope Row.

### A Busy Year Ahead

2018 will be a busy year for both clubs, with a host of races during the year, including events organised by the Irish Coastal Rowing Federation and the Rowing Ireland Coastal Division.

Stella Maris are taking on an additional challenge this year, as they extend their club house, going up another storey and introducing a full gym, as well as revamping the existing downstairs area. Liam hopes work will begin in March and expects the project to take 12-14 weeks.

One thing is certain. These two great clubs will be around for a long time to come

“Ringsend rowing is in an extremely healthy state,” enthuses Dave Cox. “The two clubs continue to win the majority of races and I don’t see that changing any time soon.”

“Rowing has been carried out on the River Liffey for over 80 years,” Liam Bannable avows. “It’s a great tradition in Ringsend and it’s important that we keep that tradition alive.”



Rowers from St Patrick's prove their mettle on the Liffey.

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# Dublin Port and Bay Celebrated in Books

Two new books have recently been published celebrating Dublin Port, the city's dockers and the seascape of Dublin Bay.

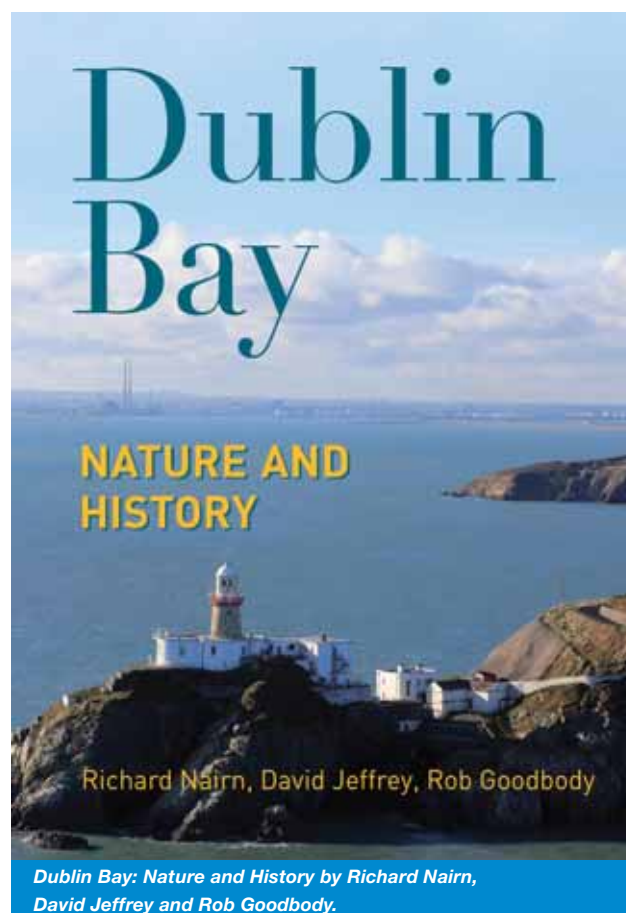
Two new books celebrating Dublin Bay, its port and the dockers who work there have been published in recent months.

Dublin Bay: Nature and History has just been published by the Collins Press, with sponsorship from Dublin Port Company. Weaving together the related strands of history and nature, the book's three authors, Richard Nairn, David Jeffrey and Rob Goodbody tell the fascinating story of Dublin Bay with the development of Dublin as a port city being mirrored by major changes in the coastal environment.

"My parents, grandparents and great-grandparents all lived along the shores of Dublin Bay," recalls Richard Nairn. "I learnt to swim, fish and sail in its waters and, since I became an environmental scientist, the Bay has become one of my main study areas. With over a million people living within easy reach of the Bay, this is one of the most heavily used coastal areas in Ireland. In the middle of all this human activity, a living ecosystem of beaches, sand dunes, saltmarsh, rocky shores, cliffs, islands and offshore sandbanks support millions of tiny



Richard Nairn, author and ecologist.



creatures and thousands of migratory birds from all over the globe. This intimate relationship between people and nature makes Dublin Bay a fascinating place to study."

Dublin Bay has changed almost beyond recognition since the Vikings came ashore here, Nairn explains. Dublin Bay: Nature and History contains a series of historical maps that chart these changes, including the building of the city quays and the development of safe navigation with the construction of the Great South Wall and the Bull Wall.

#### Reconnecting with the City

"As the city expanded eastwards, the Port was pushed further out into the Bay. However, the shipping hosted by the Port is vital to the economy of the country and without



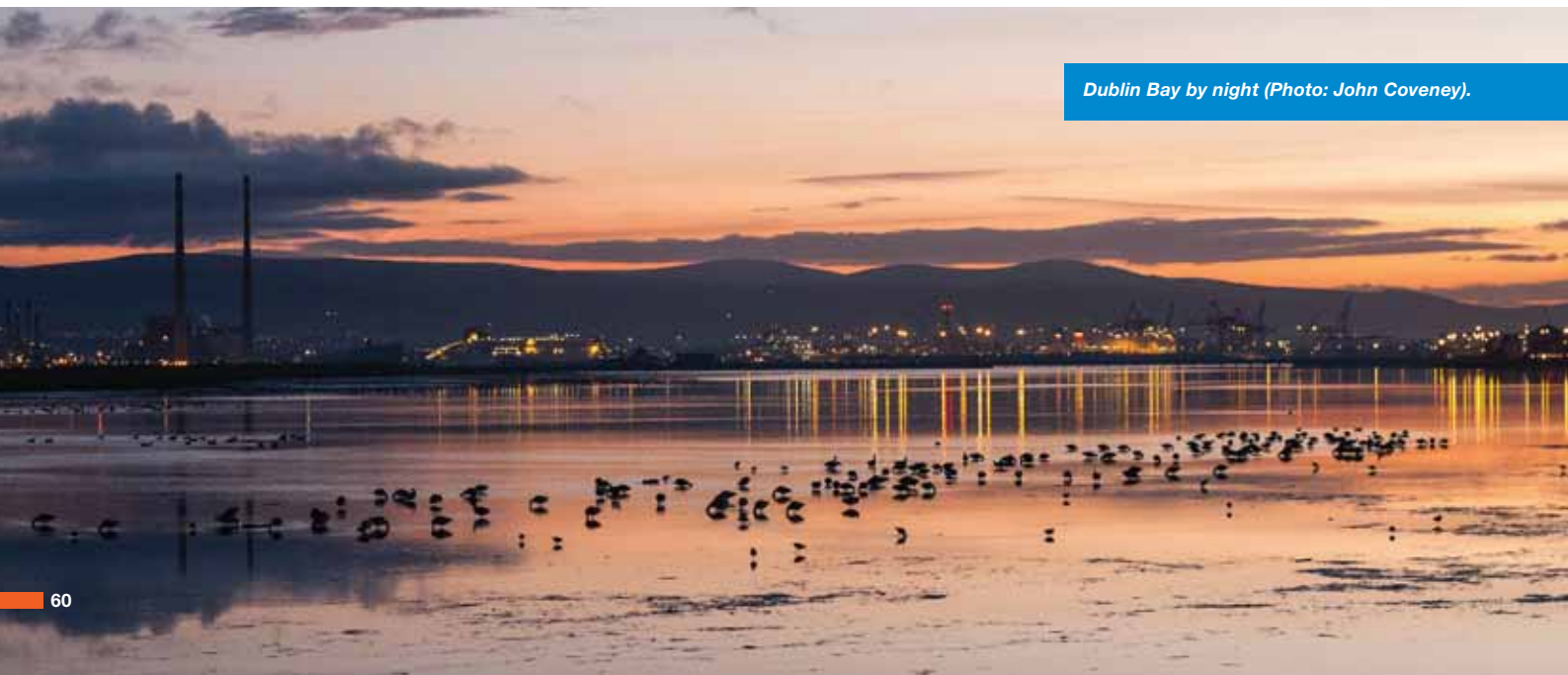
*Brent Geese in Dublin Port (Photo: Richard Nairn).*

it, Dublin would be lacking a natural gateway. As the Port expanded out of the city quays in the last century, it lost its direct connection with the streets and people of Dublin, although this is now being addressed by Dublin Port Company in exciting and innovative ways,” Nairn notes, referencing the company’s hugely successful Soft Values programme.

“Located entirely on land reclaimed from the sea, the Port depends increasingly on what happens in the tidal area of the Bay,” Nairn explains. “It is surrounded by sandflats and sea, with large numbers of birds, seals and porpoises. This close natural connection is emphasised by the location of the Port at the core of the Dublin Bay

Biosphere. The Port is leading the way in environmental research and public awareness of the importance of Dublin Bay.”

Speaking at the launch of Dublin Bay: Nature and History in Dublin Port Company, Eamonn O’Reilly, CEO, of Dublin Port Company, said: “Dublin Port Company is delighted to support this book, which is a fascinating account of Dublin Bay, past and present. The challenge to simultaneously manage, develop and conserve Dublin Bay is formidable and requires an appreciation of both the bay’s natural environment and its built environment.”



*Dublin Bay by night (Photo: John Coveney).*



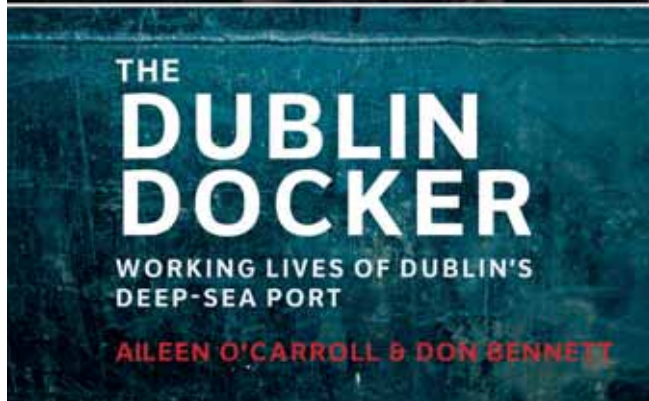
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Black guillemots in Dublin Port (Photo: John Fox).



The Dublin Docker, by Aileen O'Carroll and Don Bennett.



Dr Aileen O'Carroll, co-author of The Dublin Docker.

### Dublin Bay's Literary History

The book was officially launched by Joycean scholar and Senator David Norris at a special event in Port Centre. "This wonderfully rich book is a repository of facts, references, photographs and immensely interesting detail about Dublin Bay and our capital city," Senator Norris said at the launch. "Dublin Bay's literary history is as rich and vibrant as its environment. There are few shorelines in the world that are better celebrated in literature than Dublin Bay. James Joyce set much of the action of his famous novel Ulysses in Dublin Bay – it would be fair to call the bay one of its characters."

Author, geographer and planner Rob Goodbody spoke on the links between Dublin Bay, the Port and the city, saying: "The human and natural components of the bay

have learned to co-exist and, in some cases, even to depend on each other. We wanted to show people things like how the creation of Dublin Port caused the formation of Bull Island, or how the cockles and mussels immortalised in 'Molly Malone' caused typhoid fever throughout the city."

Co-author David Jeffrey concluded by saying: "The bay is a life support system, an economic asset and an invaluable recreational resource. This new look at a familiar seascape authoritatively explains its importance to the past, present and future of our city and country."

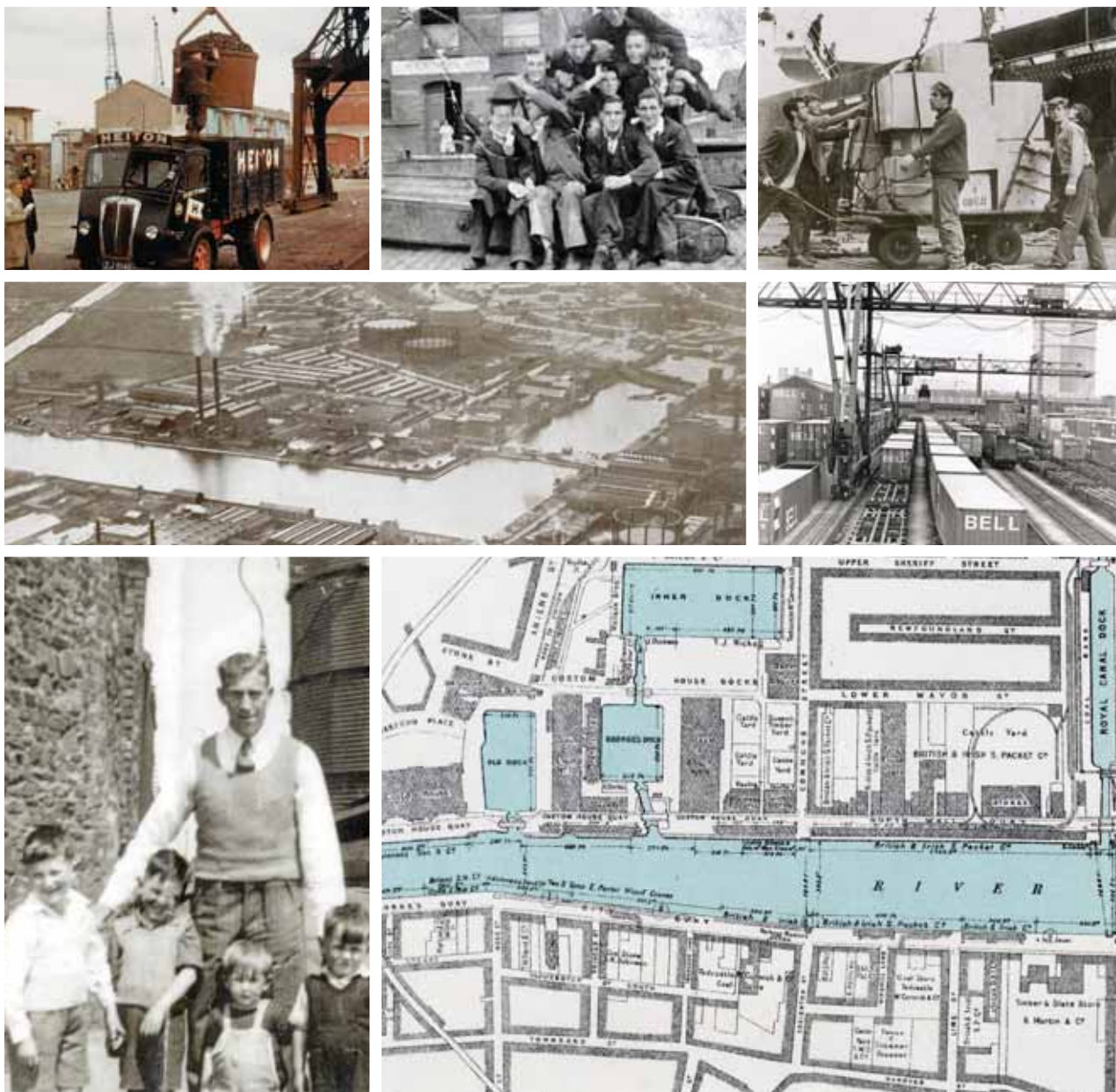


Bull Island was formed by the creation of Dublin Port (Photo: DCC).









**Bringing Social History to Life**

The authors excavated the archive of the Dublin Dockworkers Preservation Society to discover a wealth of photographs, spanning the mid-nineteenth century to the 1970s, that capture the dockers’ arduous labour and the energy of Dublin port. These evocative images bring this beautifully designed social history to life, complementing the voices revealed in interviews with the dockers themselves. How they negotiated working hours and pay, the changes that came with epochal events like the Dublin Lockout, the First World War, the Easter Rising and War of Independence, and the innumerable myths and legends that shrouded their image: The Dublin Docker is a history of the dockers and their deep-woven connection to the city.

Dr O’Carroll believes that it is hugely important to preserve the history of this oft-forgotten part of Dublin.

“The book is illustrated with photographs and documents generously donated by the Dublin Dock Workers Society,”

she explains. “Without their volunteer work, many of those photographs and memories would have been lost. There are very few fully researched presentations of Irish workers. The need for studies of the vibrant urban cultures which have made up Dublin city is clear. Little exists other than collections of raw interviews and fictional representations. The dockers, in particular, might be considered the quintessential Irish working class occupation, a community which was central to the life of Dublin city.”

- Dublin Bay: Nature and History by Richard Nairn, David Jeffrey and Rob Goodbody, published by The Collins Press, is available now for €24.99. See [www.collinspress.ie](http://www.collinspress.ie).
- The Dublin Docker by Aileen O’Carroll and Don Bennett, published by Irish Academic Press, is available now for €24.99. See <http://irishacademicpress.ie>.

# Another Record Year for Dublin Port

2017 was the third consecutive record year for Dublin Port, as cargo volumes grew by 4.3%.

Dublin Port has released full year trading figures for 2017, revealing that cargo volumes through Dublin Port hit record levels for the third successive year, growing by 4.3% to reach a new record level of 36.4m gross tonnes in 2017. This brings overall growth at Dublin Port in the five years since economic recovery began in 2013 to +30.1%.

To facilitate future growth, Dublin Port continues to invest in new infrastructure based on its Masterplan to 2040 and a programme of works is already underway. The company invested €75m in port infrastructure in 2017 and plans to invest a further €132m during 2018. Thereafter, investment plans will need to accelerate to ensure that Dublin has sufficient port capacity for the years ahead.

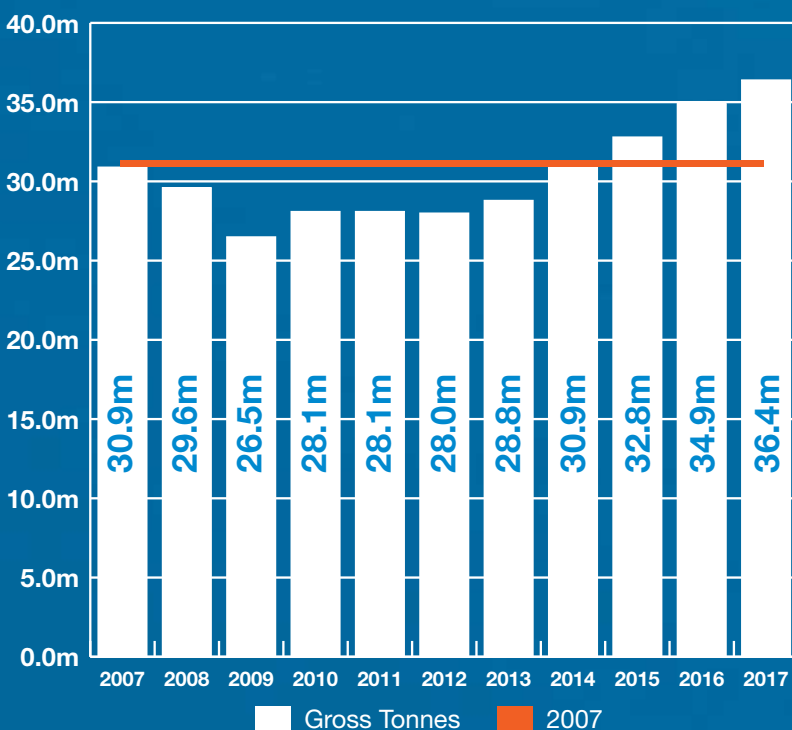
## Ro-Ro and Lo-Lo Growth

Looking at the 2017 trade figures in detail, imports grew by 3.9% to 21.5m gross tonnes, while exports grew more strongly by 4.9% to 14.9m gross tonnes.

Containers and freight trailers account for 83% of all cargo and both the Ro-Ro and Lo-Lo sectors grew strongly. Ro-Ro grew by 5.0% in 2017 to almost one million Ro-Ro units (992,000). Lo-Lo container volumes grew by 5.2% to 698,000 TEU.

Imports of new trade vehicles were down by -4.6% in 2017, reflecting the large increase in used cars being brought into Ireland from the UK, driven by the weakness in Sterling. Year-on-year, the number of imported trade vehicles fell from 104,185 to 99,383.

## OVERALL GROWTH AT DUBLIN PORT 2007 – 2017



Bulk liquid volumes, comprising mostly petroleum products, grew strongly by 6.6% to 4.3m gross

tonnes, driven by increasing road transport. On the other hand, bulk solid commodities, such as animal feeds and grain, declined marginally by -1.0%.

Passenger volumes on ferries grew for the second year in a row, with passenger numbers increasing by 1.8% to 1,846,553. Similarly, the number of tourist vehicles grew by 1.9% to 514,908.

In addition, Dublin Port's cruise business grew strongly, with 127 cruise ship arrivals and growth of 32% in visitor numbers, breaking the 210,000-mark for the first time. Importantly, cruise ships are getting bigger and the average cruise ship calling at Dublin Port increased in size by 13.3%, from 39,946 gross tonnes to 45,270 gross tonnes.

**Infrastructure Investment Programme**

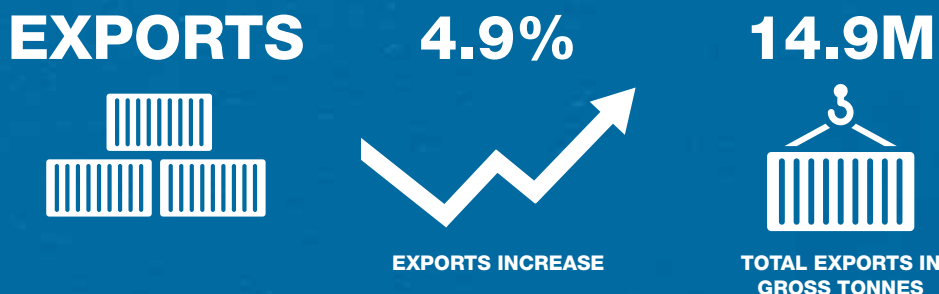
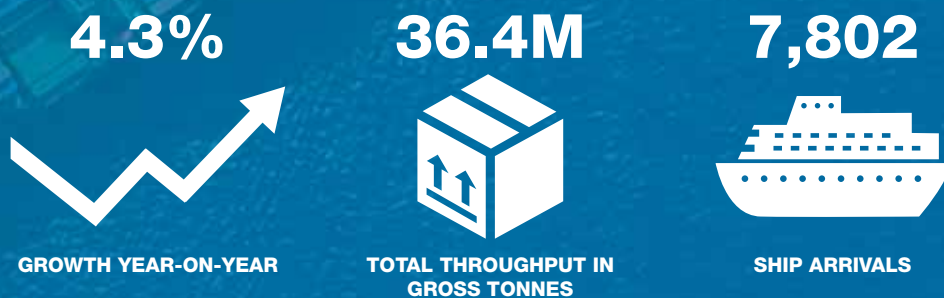
“Growth of 4.3% in 2017 confirms that the longstanding trend of compounding annual growth in Dublin Port is back,” noted Dublin Port’s Chief Executive, Eamonn O’Reilly. “Every year from 1993 to 2007 was a record year in Dublin Port. In the past three years, we have seen this pattern re-emerge, with 2017 the third year in a row for record growth. We are projecting another record year in 2018 with growth of about 5%. Dublin Port’s growth is driven by domestic demand and both population growth and a stronger economy will continue to drive volumes up for the foreseeable future.

“Dublin Port’s multi-million euro infrastructure investment programme is matching our customers’ continuing investments in new ships,” the CEO continued. “Irish Ferries has committed €165m in a

huge new ship for the Dublin-Holyhead route due by mid-2020. Later this year, the €150m WB Yeats will commence a service from Dublin to Cherbourg. In October last year, CLdN introduced the enormous 8,000 lane metre MV Celine on its Dublin to Zeebrugge / Rotterdam service.”

While acknowledging that Brexit brings uncertainties and challenges to the business, the combination of investments by customers and by Dublin Port itself is underpinned by a shared confidence in the future. “Over the next two months, we will finalise our plans for the required re-introduction of border controls on trade with Britain and I am confident that the controls required will not significantly hinder the movement of goods or people through Dublin Port,” O’Reilly concluded.

**DUBLIN PORT’S 2017 CARGO VOLUMES GROW 4.3% IN THIRD SUCCESSIVE RECORD YEAR**



# Map of Dublin Port

Dublin Port is a 260 hectare area spanning both North and South banks of the River Liffey.



**A** Dublin Port Company HQ

**B** Graving Dock

**C** Terminal 3: RoRo - P&O

**D** Dry Bulk Area

**E** North Wall Lighthouse

**F** Ocean Pier West: Cruise Ships

**G** Alexandra Quay West: LoLo

**H** DFT

**I** Terminal 2: RoRo - Stena Line

**J** Terminal 1: RoRo - Irish Ferries

**K** Terminal 5: RoRo - Seatruck

**L** LoLo Marine Terminals

**M** ESB Chimneys

**N** North Bank Lighthouse

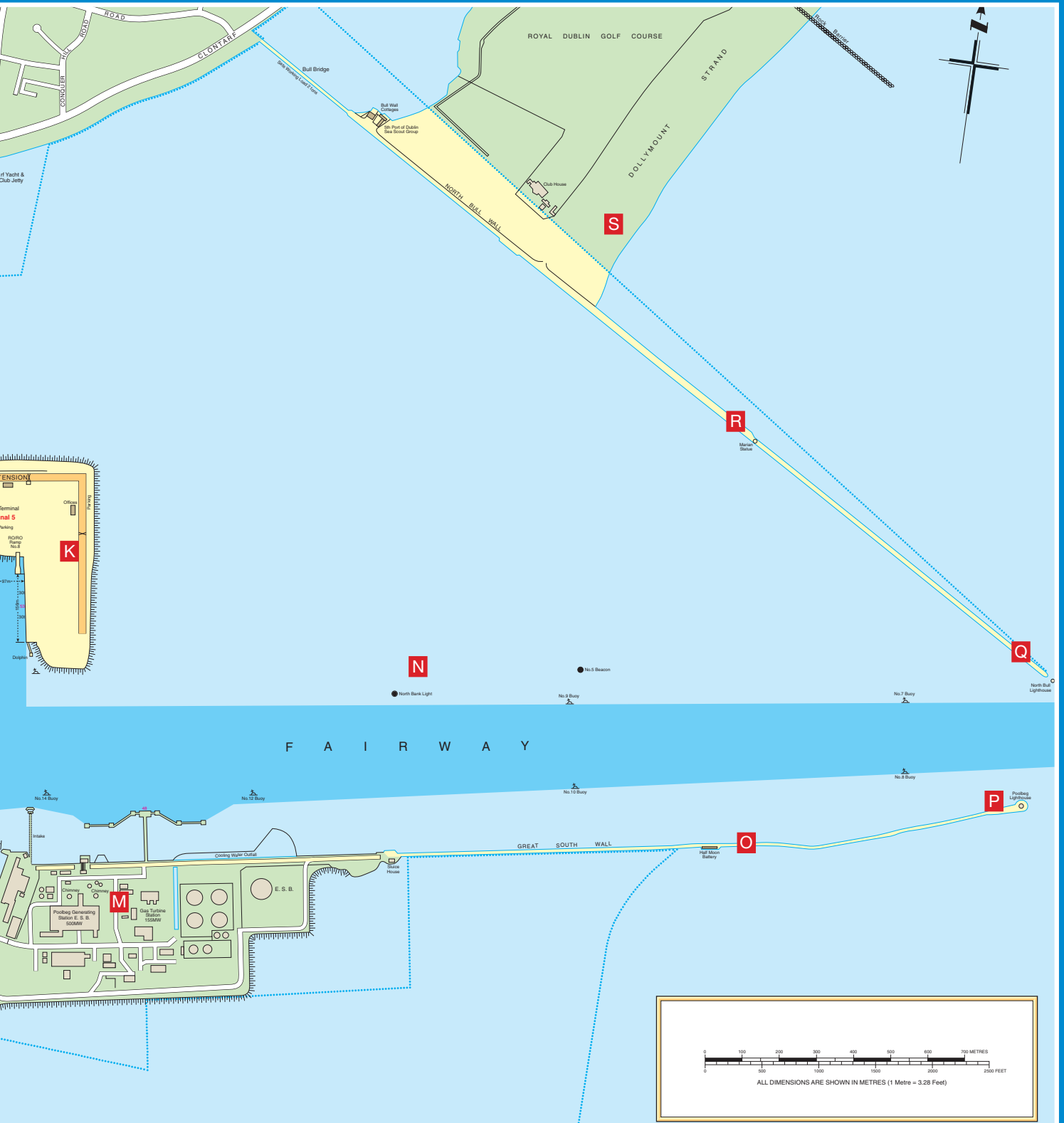
**O** Great South Wall

**P** Poolbeg Lighthouse

**Q** North Bull Lighthouse

**R** North Bull Wall

**S** Bull Island



# Port Facilities & Services

## Dublin Port Company (under the Harbours Act, 1996) vested on the 3rd March 1997.

### Limits of Dublin Port

Under the 1996 Harbours Act, the limits of Dublin Port consist of the waters of the River Liffey commencing from Matt Talbot Memorial Bridge and extending to an imaginary straight line drawn from the Baily Lighthouse on the north in the County of Dublin and extending through the North Burford Buoy and thence through the South Burford Buoy and thence to Sorrento Point on the south, including all bays, creeks, harbours and all tidal docks within such area.

### Anchorage

For information on anchoring positions please refer to the admiralty chart No. 1415.

Anchorage is position 53°n 21, 6°w 12, sand over stiff marl. This anchorage is very exposed and a vessel should be prepared to leave at the first sign of a shift of Wind E.

### Approach and berthage

The approach to the harbour of Dublin is well lit and of easy access. There is a channel across the Bar which is 7.8m below LAT. Vessels drawing up to 10m can enter the port at high water of normal tides. Vessels drawing up to 6.8m can enter at any state of tide.

Vessels proceeding to the Dublin Bay Buoy, which is a Roundabout Buoy to be passed on the vessel's port side, should proceed through the Traffic Separation Scheme, which was introduced during 1997. The scheme comprises of two elements, an inward lane and outward lane at North Burford and South Burford. For larger craft, this is the only access to Dublin Port.

### Tides

Mean H.W. Springs Dublin Bar 4.1m. Mean H.W. Neaps, 3.4m. Prevailing winds are S.W.

All depths refer to chart datum. This datum is referred to as C.D. and is 2.51m below Ordnance Datum Malin Head.

### Verification of depths

Verification of depths in the port should be obtained from Port Operations, Eastern Breakwater Road, Dublin 1. Tel: (01) 887 6028/887 6033.

### Pilotage

Dublin Port Company is the pilotage authority for the Dublin Pilotage District. The limits of the compulsory Pilotage District are the waters of the River Liffey below Matt Talbot Memorial Bridge and so much of the sea westward of the sixth meridian West longitude as lies between the parallels of latitude passing through the Baily Lighthouse on the North and through Sorrento Point on the South, including all bays, creeks and harbours and all tidal and enclosed docks within such area. The pilotage service is based in the Port Operations building, situated on the Eastern Breakwater Road, and is operated by direct boarding fast cutters each capable of speeds up to 20 knots. Dublin Port V.T.S. operates VHF channel 12.

To request a Pilot, contact Dublin Port Company shipping desk at Tel: (01) 887 6028/887 6033.

### Towage

Dublin Port Company operates two tugs with twin Voith propellers and are 50 tonne bollard pull. The tugs also have a fire fighting capacity.

To request towage, contact Dublin Port Company shipping desk at Tel: (01) 887 6028/887 6033 or VHF channel 12.

### Stevedoring

Eight private companies are licensed by Dublin Port Company to provide stevedoring services in the port.

Dublin Ferryport Terminals	Dublin Stevedores
Irish Ferries	Marine Terminals Ltd.
P&O Ferries	Portroe Stevedores
Stena Line	Seatruck Ferries





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**E mail:** mforrester@transmecgroup.com

# Ro Ro Terminals

Terminal	Operator	Berth Details	Facility Details	Contact Details
T1	Irish Ferries	Berth No.49 Length 213m Depth at L.A.T. 11m standard	No. 5 ramp Two Tier Ramp <b>Upper Deck</b> Length of Shore Ramp 43m Width of Shore Ramp 10.8m Maximum Vehicle Load 40 tonnes <b>Lower Deck</b> Length of Shore Ramp 40m Width of Shore Ramp 20m Maximum Vehicle Load 180 tonnes	+353 1 607 5700 www.irishferries.com
T1	Irish Ferries	Berth No. 51A Length 190m Depth at L.A.T. 8m standard	No. 9 ramp Single Tier Ramp Length of Shore Ramp 45m Width of Ramp 20m Maximum Vehicle Load 180 tonnes	+353 1 607 5700 www.irishferries.com
T1	Isle of Man Steam Packet Company	Details as above	Details as above	00 44 8722 992992* www.steam-packet.com
T2	Stena Line	Berth No. 51 Length 205m Depth at L.A.T. 8m standard	Ramp No. 1 Two Tier Ramp <b>Upper Deck</b> Length of Shore Ramp 49m Width of Shore Ramp 12m Maximum Vehicle Load 40 tonnes <b>Lower Deck</b> Length of Shore Ramp 46m Width of Shore Ramp 20m Maximum Vehicle Load 180 tonnes	+353 1 907 5555 www.stenaline.ie
T3	P&O Ferries	Berth No. 21 Length 238m Depth at L.A.T. 7m standard	Ramp No. 6 Single Tier Ramp Length of Shore Ramp 41m Width of Shore Ramp 20m at ship end Maximum Vehicle Load 180 tonnes	+353 1 876 2345 www.poferries.com

\* Calls to this number are charged at 11 pence per minute, plus your telephone company's access charge.

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- Detection and removal of unexploded marine ordnance

# Ro Ro Terminals

Terminal	Operator	Berth Details	Facility Details	Contact Details
<b>T4</b>	P&O Ferries	Berth No. 25 Length 290m Depth at L.A.T. 7.7m Standard Depth	Ramp No. 4 Double Tier Ramp <b>Upper Deck</b> Length of Shore Ramp 41.5m Width of Shore Ramp 10.5m Maximum Vehicle Load 40 tonnes <b>Lower Deck</b> Length of Shore Ramp 46m Width of Shore Ramp 20m Maximum Vehicle Load 180 tonnes	+353 1 876 2345 www.poferries.com
<b>T5</b>	Seatruck Ferries	Berth No. 52 Length 200m Depth at L.A.T. 8m Standard Depth	Ramp No. 7 Single Tier Ramp Length of Shore Ramp 35m Width of Shore Ramp 20m at ship end Maximum Vehicle Load 180 tonnes	+353 1 823 0492 www.seatruckferries.com
<b>T5</b>	Seatruck Ferries	Berth No. 53 Length 156m Depth at L.A.T. 5.9m Standard Depth	Ramp No. 8 Single Tier Ramp Length of Shore Ramp 60m Width of Shore Ramp 30m at ship end Maximum Vehicle Load 220 tonnes	+353 1 823 0492 www.seatruckferries.com
<b>Ocean Pier</b>	CLdN ro ro SA	Berth No. 36/37 Length 200m Depth at L.A.T. 10.3m Standard Depth	Ramp No. 2 Single Tier Ramp Length of Shore Ramp 60m floating Linkspan Width of Shore Ramp 31m Maximum Vehicle Load 200 tonnes	+353 1 856 1608 www.cldn.com

Actual depths for all berths will be less than standard depths and these latest sounded depths are available from the Harbour Masters office

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# Lo Lo Terminals

Terminal	Operator	Berth Details	Facility Details	Contact Details
<b>Dublin Ferryport Terminals</b>	DFT	Berth No's 50 & 50A Total Berth Lengths 580m Depth at L.A.T. 9.00-11.00m standard	Cranes 3 x 40 tonnes STS gantry cranes Secondary Handling equipment 10 x 40 tonnes RTG cranes 1x 45 tonnes Reachstacker 4 x 18 tonne Empty Container Handlers 250 Reefer points	+353 1 607 5713 info@dft.ie
<b>Marine Terminals Ltd</b>	MTL	Berth No's 41,42,43,44,45 Total Berth Lengths 700m Depth at L.A.T. 8.50-11.00m standard	Cranes 3 x 45 tonne Ship to Shore Gantry Second-handling equipment 4 x 40 tonne RMG Reefer Points 300	+353 1 618 5417 www.peelports.com
<b>Ocean Pier</b>	Doyle Shipping Group (DSG)	Berth No.'s 32,33,38,39,40 Total Berth Length 900m Depth at L.A.T. 10m	Cranes 1 x STS 45 Ton Panamax Capacity 2 x 400 mobile (104 tonnes SWL) 3 x 250 mobile (65 tonnes SWL) 7 x RTG's Second-handling equipment 3 Kalmar reachstackers 25 Terminal Tractors 15 Novatech Flexmasters Reefer points 300 Warehousing 300,000sq feet	+353 1 819 2600 www.doyleshipping.ie



# Bulk

Terminal	Operator	Berth Details	Facility Details	Contact Details
<b>Ocean Pier Dry Bulk/ Break Bulk</b>	Common User	Berth No's 29,30,31,32,33,34	Cranes 2 x 400 mobile (104 tonnes SWL) 3 x 250 mobile (65 tonnes SWL)	+353 1 887 6000 www.dublinport.ie
<b>South Bank Quay</b>	Common User	Berth 46 & 47	Cranes 2 x 250 mobile	+353 1 887 6000 www.dublinport.ie
<b>Liquid Bulk</b>	Common User	Berths 4 oil jetties	30 Hectare oil zone storage capacity 330,000 tonnes facilities for handling oil products, bitumen, chemicals and liquid petroleum gases linked to a common user pipe line system.	+353 1 887 6000 www.dublinport.ie
<b>Alexandra Basin East</b>	Common User	Berths 29,30 & 31		+353 1 887 6000 www.dublinport.ie



# Cruise

Terminal	Operator	Berth Details	Facility Details	Contact Details
<b>Cruise Tourism</b>	Various	Berths 18,33,36/37, 35,38,39,40 Smaller vessels can berth up river close to the city		+353 1 887 6000 www.dublinport.ie





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# Ro Ro Schedule

## Irish Ferries

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Ulysses</b> (Passenger & Freight) Tel: +353 1 607 5700	Holyhead	2	05.55 17.25	08.05 20.55	Terminal 1
<b>Swift</b> (Passenger) Tel: +353 818 300 400	Holyhead	2	13.40 19.15	14.30 08.45*	Terminal 1
<b>Epsilon</b> (Passenger & Freight) Tel: +353 1 607 5700	Holyhead	2	11.30 (Tue-Sat) 23.15 (Tue-Fri)	14.15 (Tue-Fri) 01.55*(Tue-Sat)	Terminal 1
	Cherbourg		11.00 (Mon)	15.30 (Sat)	Terminal 1

## Stena Line

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Stena Superfast X</b> (Passengers & Freight) Tel: +353 1 907 5555	Holyhead	2	12.10 23.45	02.15 15.10	Terminal 2
<b>Stena Adventurer</b> (Passengers & Freight) Tel: +353 1 907 5555		2	05.45 17.05	08.10 20.40	

## P&O Ferries

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Cruise Ferry</b> (Freight) Tel: + 353 1 876 2345 (Passengers) Tel: +353 1 407 3434	Liverpool	3	05.15 11.00 17.30	09.15 15.00 21.30	Terminal 3

### \* Next Day Sailing

Terminals 1 & 2	Ferryport, Alexandra Road, Dublin 1
Terminal 3	North Wall Extension, East Wall Road, Dublin 1
Terminal 4	Alexandra Road, Dublin 1
Terminal 5	Alexandra Road Extension, Dublin 1
Ocean Pier	Branch Road North, Alexandra Road, Dublin 1

The above schedules are subject to change and should be checked with the ferry company at the time of booking.

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# Ro Ro Schedule

## Isle of Man Steam Packet Company

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Fast Craft</b> <b>Tel:</b> 00 44 8722 992992*  (* Calls to this number are charged at 11 pence per minute, plus your telephone company's access charge.)	Douglas		Seasonal	Seasonal	Terminal 1

## Seatruck Ferries

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Cruise Ferry</b> (Freight) <b>Tel:</b> +353 1 823 0492	Liverpool	Up to 4 Daily	03.00 (Tue - Sat) 05.30 (Daily) 13.00 (Wed/Thu) 17.00 (Tue - Sat)	06.00 (Tue - Thu) 09.30 (Tue - Sat) 16.00 (Tue - Thu) 19.00 (Mon - Sat) 21.00 (Daily)	Terminal 5
	Heysham		11.00 (Tue - Sat ) 16.45 (Sun Only)	14.00 (Mon - Sat)	Terminal 5

## CLdN ro ro SA

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>ConRo Ferry</b>	Zeebrugge	1 Thursday	18.00	06.00*	Ocean Pier
	Zeebrugge	1 Saturday	10.00	16.00	Ocean Pier
	Zeebrugge	1 Sunday	19.00	23.59	Ocean Pier
	Zeebrugge	1 Monday	13.00	19.30	Ocean Pier
	Rotterdam	1 Thursday	18.00	06.00*	Ocean Pier
	Rotterdam	1 Sunday	11.00	17.30	Ocean Pier
	Rotterdam	1 Monday (Lo Lo Only)	12.00	20.00*	Ocean Pier

### \* Next Day Sailing

Terminals 1 & 2	Ferryport, Alexandra Road, Dublin 1
Terminal 3	North Wall Extension, East Wall Road, Dublin 1
Terminal 4	Alexandra Road, Dublin 1
Terminal 5	Alexandra Road Extension, Dublin 1
Ocean Pier	Branch Road North, Alexandra Road, Dublin 1

The above schedules are subject to change and should be checked with the ferry company at the time of booking.

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# Lo Lo Schedule

## European

Country	Port	Frequency	Agent	Line	Contact Details
<b>Belgium</b>	Antwerp	2 sailings weekly	DFDS	BG Freight Line	+353 1 803 8700
		2 sailings weekly		Eucon	+353 1 607 5555
		1 sailing weekly		MSC	+353 1 294 8704
		1 sailing weekly		DFDS	+353 1 685 9700
<b>Cyprus</b>	Limassol	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
<b>France</b>	Le Havre	1 sailing weekly		MSC	+353 1 294 8704
<b>Greece</b>	Piraeus	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
<b>Italy</b>	Genoa (Exports Only)	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
	Salerno	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
<b>Netherlands</b>	Rotterdam	4 sailings weekly	Doyle Shipping Group	Eucon	+353 1 607 5555
		2 sailings weekly		X-Press CL	+353 1 819 2600
		4 sailings weekly	DFDS	Samskip	+353 1 631 0900
		4 sailings weekly		DFDS	+353 1 685 9700
		4 sailings weekly	Seabridge Liner Agencies	BG Freight Line	+353 1 803 8700
		2 sailings weekly		Cosco Shipping Lines	+353 1 678 7398
<b>Portugal</b>	Leixoes	1 sailing weekly	MacAndrews (Ireland) Ltd	MacAndrews & Co. Ltd	+353 1 855 2644
		1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
	Setubal	1 sailing weekly	MacAndrews (Ireland) Ltd	MacAndrews & Co. Ltd	+353 1 855 2644
<b>Spain</b>	Barcelona (Exports Only)	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
	Bilbao	1 sailing weekly	MacAndrews (Ireland) Ltd	MacAndrews & Co. Ltd	+353 1 855 2644
		1 sailing weekly	DFDS	DFDS	+353 1 685 9700
	Castellon	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
<b>Turkey</b>	Mersin	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
	Izmir	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
	Istanbul	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500

## Irish Sea

Country	Port	Frequency	Agent	Line	Contact Details
<b>UK</b>	Avonmouth	1 sailing weekly	Connect Logistics	Cronus Logistics	+353 1 899 1588
<b>UK</b>	Liverpool	2 sailings weekly	MacAndrews (Ireland) Ltd	BG Freight Line	+353 1 803 8700
		1 sailing weekly		DFDS	+353 1 685 9700
		2 sailings weekly		MacAndrews & Co. Ltd	+353 1 855 2644
<b>UK</b>	Southampton	1 sailing weekly	Doyle Shipping Group	X-Press CL	+353 1 819 2600
	Greenock	1 sailing weekly	Doyle Shipping Group	X-Press CL	+353 1 819 2600
<b>UK</b>	Felixstowe	1 sailing weekly		BG Freight Line	+353 1 803 8700

## Non-European

Country	Port	Frequency	Agent	Line	Contact Details
<b>Lebanon</b>	Beruit	1 sailing weekly	Jenkinson Agencies	Gracechurch Container Lines	+353 1 816 3500
<b>Egypt</b>	Alexandria	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
<b>Israel</b>	Haifa	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
	Ashdod	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500
<b>Morocco</b>	Casablanca	1 sailing weekly	Jenkinson Agencies	Borchard Lines	+353 1 816 3500

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### Key Contacts

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# Passenger Schedule

## Irish Ferries

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Ulysses</b> (Passenger & Freight) Tel: +353 818 300 400	Holyhead	2	05.55 17.25	08.05 20.55	Terminal 1
<b>Swift</b> (Passengers) Tel: +353 818 300 400	Holyhead	2	13.39 19.04	08.45 14.30 (14.15 from July 2nd)	Terminal 1
<b>Epsilon</b> (Passenger & Freight) Tel: +353 818 300 400	Holyhead	2	11.30 (Tue-Sat) 23.15 (Tue-Fri)	01.55 (Tues - Sat up to June 30th) 02.00 (Tues - Sun from July 2nd) 14.15 (14.30 from July 2nd)	Terminal 1
<b>Epsilon</b> (Passenger & Freight) Tel: +353 818 300 400	Cherbourg	1 (Jan - July)	11.30 (Saturday)	15.30	Terminal 1
<b>W.B. Yeats</b> (Passenger & Freight) Tel: +353 818 300 400	Cherbourg	Every 2nd Day (July - Sept 17th)	11.00	16.00	Terminal 1
<b>W.B. Yeats</b> (Passenger & Freight) Tel: +353 818 300 400	Holyhead	2 (Sept 18th - Dec 31st)	11.30 23.15	02.00 14.30	Terminal 1

## Stena Line

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Stena Superfast X</b> (Passenger & Freight) Tel: +353 1 907 5555	Holyhead	2	12.10 23.45	02.15 15.10	Terminal 2
<b>Stena Adventurer</b> (Passenger & Freight) Tel: +353 1 907 5555		2	05.45 17.05	08.10 20.40	

## P&O Ferries

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Cruise Ferry</b> (Passenger & Freight) Tel: +353 1 407 3434	Liverpool	3	05.15 11.00 17.30	09.15 15.00 21.30	Terminal 3

## Isle of Man Steam Packet Company

Ferry	Port	Sailings Per Day	Arrival Times Dublin	Departure Times Dublin	Terminal
<b>Fast Craft</b> Tel: 0044 8722 992 992**	Douglas		Seasonal	Seasonal	Terminal 1

### \* Next Day Sailing

Terminals 1 & 2	Ferryport, Alexandra Road, Dublin 1	Terminal 5	Alexandra Road Extension, Dublin 1
Terminal 3	North Wall Extension, East Wall Road, Dublin 1	Ocean Pier	Branch Road North, Alexandra Road, Dublin 1
Terminal 4	Alexandra Road, Dublin 1		

The above schedules are subject to change and should be checked with the ferry company at the time of booking.

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# Tide Tables

## Dublin (North Wall)

### JANUARY 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Mon 1	10:36	4.22	03:54	0.61	08:40		Tues 16	11:18	3.93	04:48	1.06	08:31			
	22:57	4.21	16:20	0.55		16:16		23:42	3.72	17:12	1.02		16:38		
Tues 2	11:23	4.34	04:40	0.51	08:39		Wed 17	11:50	3.97	05:21	1.01	08:30			
	23:47	4.26	17:08	0.38		16:17		-	-	17:44	0.95		16:39		
Wed 3	12:09	4.41	05:26	0.49	08:39		Thur 18	00:12	3.73	05:49	0.97	08:29			
	-	-	17:56	0.30		16:19		12:21	3.99	18:12	0.91		16:41		
Thur 4	00:36	4.24	06:12	0.54	08:39		Fri 19	00:43	3.74	06:18	0.95	08:28			
	12:57	4.40	18:45	0.31		16:20		12:53	4.00	18:41	0.87		16:43		
Fri 5	01:27	4.15	06:59	0.67	08:39		Sat 20	01:16	3.75	06:48	0.95	08:27			
	13:47	4.34	19:37	0.39		16:21		13:30	3.99	19:14	0.83		16:45		
Sat 6	02:21	4.01	07:50	0.84	08:38		Sun 21	01:54	3.74	07:25	0.97	08:25			
	14:40	4.23	20:31	0.54		16:22		14:10	3.97	19:52	0.83		16:46		
Sun 7	03:17	3.86	08:45	1.03	08:38		Mon 22	02:36	3.71	08:07	1.02	08:24			
	15:36	4.09	21:27	0.73		16:24		14:54	3.92	20:36	0.85		16:48		
Mon 8	04:16	3.70	09:42	1.22	08:37		Tues 23	03:22	3.65	08:54	1.10	08:23			
	16:36	3.92	22:24	0.94		16:25		15:40	3.84	21:24	0.92		16:50		
Tues 9	05:18	3.58	10:44	1.39	08:37		Wed 24	04:12	3.58	09:45	1.20	08:22			
	17:39	3.77	23:27	1.13		16:27		16:30	3.75	22:18	1.02		16:52		
Wed 10	06:22	3.51	11:51	1.51	08:36		Thur 25	05:09	3.50	10:45	1.29	08:20			
	18:45	3.65	-	-		16:28		17:27	3.66	23:20	1.13		16:54		
Thur 11	07:25	3.51	00:34	1.27	08:35		Fri 26	06:14	3.48	11:56	1.33	08:19			
	19:50	3.59	13:04	1.54		16:30		18:33	3.61	-	-		16:56		
Fri 12	08:25	3.58	01:44	1.32	08:35		Sat 27	07:25	3.54	00:33	1.17	08:17			
	20:51	3.59	14:15	1.47		16:31		19:45	3.65	13:09	1.26		16:57		
Sat 13	09:19	3.68	02:45	1.29	08:34		Sun 28	08:32	3.70	01:45	1.10	08:16			
	21:46	3.62	15:12	1.35		16:33		20:54	3.77	14:18	1.07		16:59		
Sun 14	10:05	3.78	03:33	1.21	08:33		Mon 29	09:31	3.90	02:49	0.95	08:14			
	22:31	3.66	15:59	1.22		16:34		21:55	3.93	15:18	0.81		17:01		
Mon 15	10:44	3.87	04:14	1.13	08:32		Tues 30	10:24	4.11	03:45	0.76	08:13			
	23:09	3.69	16:38	1.10		16:36		22:49	4.07	16:12	0.55		17:03		
							Wed 31	11:12	4.27	04:33	0.59	08:11			
								23:38	4.15	17:00	0.33		17:05		

All times are given in Local Time

All times are given in Local Time

### FEBRUARY 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Thur 1	11:57	4.36	05:17	0.50	08:10		Fri 16	11:57	3.96	05:26	0.84	07:41			
	-	-	17:46	0.21		17:07		-	-	17:45	0.73		17:37		
Fri 2	00:24	4.15	05:59	0.47	08:08		Sat 17	00:18	3.77	05:52	0.76	07:39			
	12:42	4.37	18:31	0.20		17:09		12:28	4.01	18:12	0.65		17:39		
Sat 3	01:09	4.08	06:42	0.53	08:06		Sun 18	00:48	3.81	06:22	0.70	07:37			
	13:27	4.32	19:17	0.28		17:11		13:03	4.03	18:45	0.59		17:40		
Sun 4	01:55	3.97	07:27	0.65	08:04		Mon 19	01:24	3.84	06:58	0.68	07:35			
	14:15	4.21	20:05	0.44		17:13		13:43	4.03	19:23	0.58		17:42		
Mon 5	02:42	3.82	08:15	0.82	08:03		Tues 20	02:06	3.83	07:39	0.71	07:33			
	15:03	4.05	20:54	0.65		17:15		14:26	4.00	20:06	0.63		17:44		
Tues 6	03:33	3.67	09:07	1.01	08:01		Wed 21	02:49	3.78	08:24	0.79	07:31			
	15:56	3.85	21:45	0.90		17:17		15:12	3.92	20:53	0.74		17:46		
Wed 7	04:27	3.51	10:03	1.22	07:59		Thur 22	03:38	3.68	09:15	0.92	07:28			
	16:55	3.64	22:40	1.16		17:19		16:01	3.79	21:45	0.91		17:48		
Thur 8	05:30	3.39	11:05	1.40	07:57		Fri 23	04:32	3.55	10:15	1.08	07:26			
	18:01	3.46	23:41	1.38		17:21		16:59	3.64	22:47	1.11		17:50		
Fri 9	06:36	3.33	12:14	1.52	07:55		Sat 24	05:37	3.45	11:27	1.20	07:24			
	19:09	3.35	-	-		17:23		18:09	3.52	-	-		17:52		
Sat 10	07:40	3.36	00:54	1.51	07:53		Sun 25	06:56	3.44	00:03	1.25	07:22			
	20:16	3.34	13:37	1.52		17:25		19:30	3.51	12:48	1.20		17:54		
Sun 11	08:40	3.47	02:14	1.49	07:51		Mon 26	08:13	3.57	01:27	1.24	07:20			
	21:17	3.41	14:50	1.40		17:27		20:45	3.63	14:06	1.04		17:56		
Mon 12	09:33	3.61	03:12	1.36	07:49		Tues 27	09:18	3.78	02:40	1.07	07:17			
	22:07	3.50	15:39	1.23		17:29		21:49	3.79	15:10	0.77		17:58		
Tues 13	10:18	3.74	03:54	1.21	07:47		Wed 28	10:14	4.00	03:37	0.84	07:15			
	22:47	3.59	16:18	1.07		17:31		22:42	3.94	16:04	0.49		18:00		
Wed 14	10:55	3.84	04:28	1.07	07:45										
	23:21	3.66	16:50	0.94		17:33									
Thur 15	11:28	3.91	04:59	0.94	07:43										
	23:51	3.72	17:18	0.83		17:35									

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Dublin (North Wall)

### MARCH 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Thur 1	11:03	4.16	04:24	0.63	07:13		Fri 16	11:01	3.85	04:31	0.86	06:37			
	23:29	4.02	16:51	0.28		18:02		23:24	3.74	16:47	0.67		18:30		
Fri 2	11:46	4.25	05:06	0.48	07:11		Sat 17	11:30	3.94	04:58	0.71	06:35			
	-	-	17:33	0.16		18:04		23:50	3.83	17:13	0.54		18:32		
Sat 3	00:09	4.03	05:45	0.42	07:08		Sun 18	12:00	4.02	05:25	0.58	06:33			
	12:27	4.27	18:14	0.16		18:05		-	-	17:42	0.44		18:33		
Sun 4	00:48	3.99	06:24	0.43	07:06		Mon 19	00:20	3.90	05:57	0.48	06:30			
	13:06	4.21	18:54	0.25		18:07		12:36	4.07	18:17	0.39		18:35		
Mon 5	01:26	3.90	07:04	0.51	07:04		Tues 20	00:56	3.94	06:33	0.45	06:28			
	13:47	4.10	19:36	0.42		18:09		13:17	4.08	18:56	0.41		18:37		
Tues 6	02:06	3.80	07:47	0.64	07:01		Wed 21	01:36	3.93	07:15	0.48	06:25			
	14:30	3.95	20:20	0.64		18:11		14:00	4.04	19:39	0.51		18:39		
Wed 7	02:49	3.67	08:35	0.82	06:59		Thur 22	02:21	3.88	08:01	0.59	06:23			
	15:18	3.75	21:06	0.89		18:13		14:48	3.94	20:28	0.68		18:41		
Thur 8	03:36	3.52	09:27	1.04	06:57		Fri 23	03:10	3.76	08:55	0.75	06:21			
	16:11	3.53	21:57	1.16		18:15		15:41	3.78	21:23	0.91		18:43		
Fri 9	04:32	3.36	10:26	1.25	06:54		Sat 24	04:06	3.61	09:58	0.93	06:18			
	17:15	3.31	22:54	1.41		18:17		16:42	3.60	22:27	1.15		18:44		
Sat 10	05:42	3.23	11:31	1.43	06:52		Sun 25	06:12	3.47	12:13	1.08	07:16			
	18:30	3.17	-	-		18:19		18:57	3.46	-	-		19:46		
Sun 11	06:56	3.21	00:01	1.59	06:49		Mon 26	07:36	3.43	00:46	1.31	07:13			
	19:41	3.16	12:48	1.49		18:21		20:23	3.45	13:36	1.09		19:48		
Mon 12	08:02	3.29	01:24	1.61	06:47		Tues 27	08:58	3.54	02:13	1.31	07:11			
	20:45	3.25	14:15	1.40		18:22		21:39	3.57	14:54	0.94		19:50		
Tues 13	09:00	3.44	02:41	1.46	06:45		Wed 28	10:06	3.74	03:27	1.13	07:09			
	21:39	3.39	15:10	1.21		18:24		22:42	3.73	15:59	0.69		19:52		
Wed 14	09:48	3.60	03:27	1.26	06:42		Thur 29	11:04	3.93	04:24	0.90	07:06			
	22:21	3.54	15:48	1.01		18:26		23:34	3.86	16:51	0.46		19:53		
Thur 15	10:28	3.74	04:02	1.05	06:40		Fri 30	11:52	4.07	05:11	0.68	07:04			
	22:55	3.65	16:20	0.83		18:28		-	-	17:35	0.30		19:55		
							Sat 31	00:18	3.92	05:51	0.53	07:01			
								12:34	4.14	18:15	0.23		19:57		

All times are given in Local Time

All times are given in Local Time

### APRIL 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sun 1	00:53	3.93	06:29	0.45	06:59		Mon 16	00:20	3.91	05:57	0.48	06:24			
	13:11	4.13	18:54	0.25		19:59		12:34	4.05	18:15	0.32		20:26		
Mon 2	01:24	3.90	07:06	0.44	06:57		Tues 17	00:52	4.00	06:32	0.37	06:21			
	13:45	4.07	19:30	0.35		20:01		13:12	4.11	18:52	0.30		20:28		
Tues 3	01:57	3.86	07:42	0.49	06:54		Wed 18	01:30	4.04	07:11	0.33	06:19			
	14:22	3.97	20:09	0.50		20:02		13:54	4.11	19:33	0.36		20:30		
Wed 4	02:33	3.80	08:23	0.59	06:52		Thur 19	02:12	4.04	07:55	0.38	06:17			
	15:03	3.84	20:48	0.70		20:04		14:42	4.05	20:18	0.51		20:31		
Thur 5	03:13	3.71	09:07	0.75	06:49		Fri 20	03:00	3.97	08:46	0.50	06:15			
	15:46	3.67	21:31	0.92		20:06		15:33	3.94	21:10	0.72		20:33		
Fri 6	03:57	3.59	09:57	0.93	06:47		Sat 21	03:51	3.86	09:45	0.66	06:12			
	16:35	3.47	22:19	1.16		20:08		16:29	3.78	22:09	0.96		20:35		
Sat 7	04:45	3.43	10:53	1.14	06:45		Sun 22	04:50	3.72	10:52	0.83	06:10			
	17:33	3.26	23:15	1.40		20:10		17:35	3.61	23:16	1.19		20:37		
Sun 8	05:46	3.27	11:55	1.32	06:42		Mon 23	06:00	3.59	12:06	0.94	06:08			
	18:49	3.11	-	-		20:12		18:54	3.49	-	-		20:39		
Mon 9	07:08	3.17	00:20	1.58	06:40		Tues 24	07:23	3.55	00:33	1.33	06:06			
	20:03	3.08	13:04	1.41		20:13		20:14	3.49	13:24	0.95		20:41		
Tues 10	08:21	3.20	01:33	1.64	06:38		Wed 25	08:42	3.63	01:54	1.32	06:04			
	21:09	3.18	14:20	1.36		20:15		21:27	3.58	14:37	0.85		20:42		
Wed 11	09:23	3.33	02:49	1.52	06:35		Thur 26	09:50	3.77	03:06	1.19	06:01			
	22:05	3.34	15:24	1.19		20:17		22:28	3.71	15:39	0.69		20:44		
Thur 12	10:13	3.50	03:45	1.31	06:33		Fri 27	10:48	3.91	04:03	0.99	05:59			
	22:48	3.51	16:08	0.98		20:19		23:18	3.80	16:30	0.54		20:46		
Fri 13	10:54	3.67	04:24	1.08	06:31		Sat 28	11:37	4.00	04:51	0.81	05:57			
	23:23	3.66	16:42	0.77		20:21		-	-	17:15	0.44		20:48		
Sat 14	11:28	3.82	04:57	0.85	06:28		Sun 29	00:01	3.85	05:33	0.68	05:55			
	23:52	3.79	17:12	0.58		20:22		12:19	4.02	17:56	0.42		20:50		
Sun 15	12:00	3.95	05:26	0.65	06:26		Mon 30	00:36	3.85	06:11	0.60	05:53			
	-	-	17:42	0.42		20:24		12:55	3.99	18:33	0.46		20:51		

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Dublin (North Wall)

### MAY 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Tues 1	01:03	3.85	06:48	0.58	05:51		Wed 16	00:28	4.09	06:10	0.36	05:24			
	13:27	3.93	19:09	0.55		20:53		12:52	4.15	18:31	0.32		21:19		
Wed 2	01:33	3.84	07:24	0.61	05:49		Thur 17	01:09	4.14	06:54	0.32	05:22			
	14:01	3.85	19:44	0.67		20:55		13:39	4.14	19:15	0.40		21:20		
Thur 3	02:08	3.82	08:03	0.68	05:47		Fri 18	01:54	4.14	07:42	0.36	05:20			
	14:39	3.75	20:21	0.81		20:57		14:28	4.08	20:03	0.56		21:22		
Fri 4	02:46	3.77	08:45	0.79	05:45		Sat 19	02:45	4.09	08:37	0.46	05:19			
	15:21	3.62	21:01	0.98		20:58		15:23	3.96	20:57	0.77		21:24		
Sat 5	03:27	3.68	09:32	0.93	05:43		Sun 20	03:39	4.00	09:39	0.59	05:17			
	16:06	3.47	21:46	1.17		21:00		16:23	3.82	21:57	0.98		21:25		
Sun 6	04:12	3.55	10:24	1.09	05:41		Mon 21	04:41	3.88	10:45	0.72	05:16			
	16:59	3.30	22:39	1.36		21:02		17:30	3.67	23:03	1.17		21:27		
Mon 7	05:05	3.40	11:22	1.23	05:39		Tues 22	05:51	3.78	11:54	0.82	05:15			
	18:03	3.16	23:41	1.52		21:04		18:42	3.58	-	-		21:28		
Tues 8	06:12	3.27	12:25	1.32	05:37		Wed 23	07:07	3.73	00:13	1.30	05:13			
	19:18	3.11	-	-		21:05	☾	19:55	3.56	13:04	0.86		21:30		
Wed 9	07:29	3.24	00:48	1.59	05:36		Thur 24	08:19	3.75	01:27	1.33	05:12			
	20:26	3.18	13:29	1.30		21:07		21:03	3.61	14:12	0.85		21:31		
Thur 10	08:35	3.32	01:54	1.54	05:34		Fri 25	09:26	3.81	02:36	1.26	05:11			
	21:22	3.32	14:29	1.18		21:09		22:04	3.68	15:14	0.79		21:33		
Fri 11	09:28	3.47	02:51	1.37	05:32		Sat 26	10:25	3.87	03:36	1.14	05:09			
	22:07	3.50	15:18	0.99		21:10		22:56	3.75	16:07	0.73		21:34		
Sat 12	10:12	3.64	03:38	1.15	05:30		Sun 27	11:17	3.91	04:28	1.01	05:08			
	22:45	3.67	16:00	0.78		21:12		23:39	3.79	16:54	0.69		21:35		
Sun 13	10:51	3.82	04:17	0.91	05:28		Mon 28	12:01	3.90	05:13	0.90	05:07			
	23:18	3.84	16:36	0.58		21:14		-	-	17:35	0.69		21:37		
Mon 14	11:30	3.97	04:53	0.68	05:27		Tues 29	00:15	3.81	05:54	0.83	05:06			
	23:51	3.98	17:12	0.42		21:16		12:38	3.86	18:12	0.72		21:38		
Tues 15	12:09	4.09	05:30	0.49	05:25		Wed 30	00:43	3.83	06:32	0.79	05:05			
	-	-	17:51	0.33		21:17	●	13:10	3.81	18:48	0.77		21:39		
							Thur 31	01:12	3.85	07:09	0.80	05:04			
								13:42	3.75	19:22	0.84		21:41		

All times are given in Local Time

All times are given in Local Time

### JUNE 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Fri 1	01:46	3.85	07:46	0.83	05:03		Sat 16	01:42	4.25	07:33	0.34	04:55			
	14:18	3.69	19:57	0.93		21:42		14:18	4.11	19:50	0.59		21:55		
Sat 2	02:23	3.83	08:26	0.89	05:02		Sun 17	02:33	4.22	08:28	0.40	04:55			
	14:58	3.61	20:34	1.03		21:43		15:13	4.01	20:43	0.76		21:55		
Sun 3	03:03	3.78	09:08	0.97	05:01		Mon 18	03:28	4.15	09:27	0.50	04:55			
	15:40	3.52	21:15	1.15		21:44		16:12	3.88	21:41	0.94		21:55		
Mon 4	03:46	3.69	09:54	1.06	05:01		Tues 19	04:28	4.05	10:30	0.62	04:55			
	16:27	3.41	22:03	1.29		21:45		17:14	3.75	22:42	1.11		21:56		
Tues 5	04:34	3.58	10:45	1.15	05:00		Wed 20	05:34	3.94	11:33	0.74	04:56			
	17:18	3.30	22:57	1.41		21:46		18:20	3.64	23:46	1.25		21:56		
Wed 6	05:27	3.47	11:41	1.21	04:59		Thur 21	06:43	3.85	12:37	0.86	04:56			
	18:19	3.23	23:57	1.49		21:47	☾	19:27	3.58	-	-		21:56		
Thur 7	06:27	3.40	12:39	1.22	04:59		Fri 22	07:51	3.79	00:53	1.34	04:56			
	19:25	3.24	-	-		21:48		20:32	3.58	13:42	0.94		21:57		
Fri 8	07:32	3.41	01:00	1.49	04:58		Sat 23	08:57	3.77	02:02	1.36	04:56			
	20:26	3.33	13:36	1.16		21:49		21:33	3.62	14:45	0.98		21:57		
Sat 9	08:33	3.50	01:58	1.40	04:58		Sun 24	09:58	3.77	03:07	1.30	04:56			
	21:18	3.49	14:30	1.03		21:50		22:27	3.68	15:42	0.99		21:57		
Sun 10	09:27	3.65	02:51	1.22	04:57		Mon 25	10:53	3.78	04:05	1.21	04:57			
	22:03	3.67	15:18	0.86		21:51		23:13	3.74	16:31	0.97		21:57		
Mon 11	10:16	3.82	03:38	1.00	04:57		Tues 26	11:40	3.77	04:54	1.11	04:57			
	22:46	3.86	16:03	0.68		21:51		23:51	3.79	17:15	0.95		21:57		
Tues 12	11:03	3.98	04:23	0.77	04:56		Wed 27	12:19	3.75	05:37	1.02	04:58			
	23:27	4.02	16:47	0.53		21:52		-	-	17:53	0.94		21:57		
Wed 13	11:50	4.10	05:08	0.56	04:56		Thur 28	00:23	3.84	06:16	0.96	04:58			
	-	-	17:30	0.44		21:53	●	12:52	3.72	18:28	0.94		21:56		
Thur 14	00:10	4.15	05:54	0.41	04:56		Fri 29	00:54	3.87	06:53	0.93	04:59			
	12:37	4.17	18:15	0.41		21:54		13:24	3.69	19:01	0.95		21:56		
Fri 15	00:54	4.23	06:41	0.34	04:56		Sat 30	01:26	3.90	07:28	0.93	05:00			
	13:27	4.17	19:01	0.47		21:54		13:57	3.67	19:33	0.98		21:56		

All times are given in Local Time

All times are given in Local Time



## Safe Harbour

We give clients a clear understanding of their options. This empowers them to confidently make good, informed decisions.

We work collaboratively and openly, creating a shared perspective that builds trust, allowing solutions be developed quickly. This approach is how we make a valuable and practical contribution to our clients' objectives.

To find out how we can help, visit **MHC.ie**

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# Tide Tables

## Dublin (North Wall)

### JULY 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sun 1	02:00	3.90	08:03	0.94	05:00		Mon 16	02:18	4.33	08:13	0.30	05:16			
	14:33	3.64	20:07	1.02		21:56		14:57	4.04	20:24	0.68		21:44		
Mon 2	02:38	3.88	08:38	0.96	05:01		Tues 17	03:09	4.25	09:08	0.41	05:17			
	15:12	3.60	20:43	1.08		21:55		15:51	3.91	21:18	0.84		21:43		
Tues 3	03:19	3.83	09:17	1.00	05:02		Wed 18	04:06	4.13	10:05	0.56	05:18			
	15:54	3.54	21:25	1.16		21:55		16:47	3.77	22:14	1.02		21:42		
Wed 4	04:03	3.75	10:00	1.04	05:03		Thur 19	05:06	3.99	11:03	0.74	05:20			
	16:39	3.47	22:11	1.25		21:54		17:46	3.63	23:13	1.19		21:41		
Thur 5	04:51	3.67	10:49	1.08	05:03		Fri 20	06:10	3.83	12:02	0.94	05:21			
	17:30	3.41	23:03	1.33		21:54		18:49	3.53	-	-		21:39		
Fri 6	05:43	3.59	11:43	1.12	05:04		Sat 21	07:18	3.70	00:15	1.34	05:23			
	18:25	3.37	-	-		21:53		19:53	3.49	13:04	1.11		21:38		
Sat 7	06:41	3.54	00:02	1.38	05:05		Sun 22	08:24	3.63	01:24	1.44	05:24			
	19:27	3.38	12:42	1.14		21:52		20:55	3.51	14:10	1.22		21:36		
Sun 8	07:44	3.55	01:05	1.37	05:06		Mon 23	09:29	3.60	02:37	1.44	05:26			
	20:30	3.48	13:44	1.10		21:52		21:54	3.59	15:15	1.25		21:35		
Mon 9	08:48	3.63	02:07	1.27	05:07		Tues 24	10:28	3.61	03:45	1.35	05:27			
	21:27	3.64	14:42	1.00		21:51		22:44	3.69	16:09	1.22		21:34		
Tues 10	09:48	3.77	03:06	1.09	05:08		Wed 25	11:18	3.64	04:39	1.23	05:28			
	22:20	3.83	15:37	0.85		21:50		23:25	3.78	16:54	1.15		21:32		
Wed 11	10:44	3.93	04:00	0.86	05:10		Thur 26	11:59	3.66	05:22	1.11	05:30			
	23:09	4.03	16:27	0.70		21:49		-	-	17:33	1.08		21:31		
Thur 12	11:36	4.07	04:52	0.63	05:11		Fri 27	00:01	3.86	06:00	1.01	05:32			
	23:55	4.19	17:15	0.57		21:48		12:33	3.68	18:08	1.01		21:29		
Fri 13	12:26	4.16	05:42	0.43	05:12		Sat 28	00:33	3.91	06:33	0.95	05:33			
	-	-	18:02	0.49		21:47		13:03	3.68	18:39	0.97		21:27		
Sat 14	00:42	4.30	06:30	0.30	05:13		Sun 29	01:04	3.95	07:04	0.91	05:35			
	13:15	4.18	18:48	0.49		21:46		13:34	3.69	19:09	0.94		21:26		
Sun 15	01:28	4.35	07:21	0.26	05:14		Mon 30	01:36	3.96	07:33	0.88	05:36			
	14:05	4.13	19:35	0.55		21:45		14:06	3.69	19:38	0.93		21:24		
							Tues 31	02:11	3.96	08:03	0.86	05:38			
								14:42	3.69	20:12	0.94		21:22		

All times are given in Local Time

All times are given in Local Time

### AUGUST 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Wed 1	02:50	3.94	08:39	0.86	05:40		Thur 16	03:34	4.13	09:33	0.56	06:05			
	15:21	3.67	20:50	0.98		21:21		16:10	3.76	21:42	0.93		20:51		
Thur 2	03:32	3.89	09:20	0.88	05:41		Fri 17	04:28	3.94	10:26	0.80	06:07			
	16:04	3.63	21:33	1.05		21:19		17:03	3.61	22:37	1.13		20:49		
Fri 3	04:18	3.82	10:06	0.94	05:43		Sat 18	05:30	3.73	11:21	1.06	06:09			
	16:50	3.57	22:21	1.15		21:17		18:03	3.48	23:38	1.33		20:47		
Sat 4	05:06	3.72	10:57	1.02	05:45		Sun 19	06:39	3.54	12:21	1.29	06:10			
	17:42	3.49	23:16	1.25		21:15		19:09	3.40	-	-		20:45		
Sun 5	06:01	3.62	11:55	1.12	05:46		Mon 20	07:50	3.43	00:45	1.48	06:12			
	18:41	3.43	-	-		21:13		20:15	3.41	13:29	1.44		20:42		
Mon 6	07:06	3.55	00:21	1.32	05:48		Tues 21	08:59	3.41	02:04	1.52	06:14			
	19:50	3.46	13:03	1.19		21:11		21:18	3.50	14:45	1.48		20:40		
Tues 7	08:18	3.57	01:33	1.30	05:50		Wed 22	10:03	3.46	03:25	1.43	06:15			
	20:59	3.58	14:13	1.16		21:09		22:13	3.63	15:47	1.40		20:38		
Wed 8	09:29	3.68	02:43	1.16	05:51		Thur 23	10:57	3.55	04:22	1.26	06:17			
	22:00	3.79	15:18	1.04		21:07		22:59	3.76	16:34	1.27		20:36		
Thur 9	10:30	3.85	03:46	0.92	05:53		Fri 24	11:37	3.63	05:04	1.10	06:19			
	22:54	4.01	16:15	0.86		21:06		23:37	3.87	17:12	1.13		20:33		
Fri 10	11:25	4.01	04:42	0.64	05:55		Sat 25	12:11	3.69	05:39	0.96	06:21			
	23:42	4.21	17:05	0.67		21:04		-	-	17:45	1.00		20:31		
Sat 11	12:15	4.13	05:33	0.39	05:56		Sun 26	00:11	3.95	06:09	0.86	06:22			
	-	-	17:51	0.53		21:02		12:41	3.73	18:15	0.91		20:29		
Sun 12	00:28	4.35	06:20	0.22	05:58		Mon 27	00:40	4.00	06:36	0.79	06:24			
	13:01	4.16	18:34	0.47		21:00		13:09	3.76	18:41	0.84		20:27		
Mon 13	01:12	4.40	07:06	0.17	06:00		Tues 28	01:09	4.03	07:00	0.74	06:26			
	13:47	4.13	19:17	0.49		20:57		13:38	3.79	19:09	0.80		20:24		
Tues 14	01:57	4.38	07:53	0.22	06:02		Wed 29	01:42	4.04	07:29	0.70	06:28			
	14:33	4.04	20:02	0.58		20:55		14:11	3.81	19:41	0.78		20:22		
Wed 15	02:44	4.28	08:42	0.36	06:03		Thur 30	02:20	4.03	08:04	0.70	06:29			
	15:21	3.91	20:50	0.74		20:53		14:49	3.81	20:19	0.81		20:20		
							Fri 31	03:01	3.99	08:45	0.74	06:31			
								15:31	3.77	21:01	0.88		20:17		

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Dublin (North Wall)

### SEPTEMBER 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sat 1	03:46	3.91	09:30	0.85	06:33		Sun 16	04:48	3.64	10:41	1.17	06:59			
	16:16	3.70	21:49	1.00		20:15		17:15	3.51	23:03	1.29		19:39		
Sun 2	04:35	3.79	10:21	1.00	06:35		Mon 17	05:57	3.42	11:39	1.42	07:00			
	17:07	3.59	22:45	1.15		20:13		18:21	3.39	-	-		19:36		
Mon 3	05:30	3.64	11:21	1.17	06:36		Tues 18	07:13	3.28	00:09	1.47	07:02			
	18:06	3.49	23:51	1.28		20:10	☾	19:33	3.35	12:45	1.60		19:34		
Tues 4	06:39	3.51	12:33	1.32	06:38		Wed 19	08:27	3.26	01:26	1.55	07:04			
	19:19	3.45	-	-		20:08		20:42	3.43	14:05	1.64		19:31		
Wed 5	08:01	3.49	01:12	1.31	06:40		Thur 20	09:36	3.36	02:58	1.46	07:06			
	20:38	3.56	13:53	1.33		20:05		21:41	3.57	15:19	1.53		19:29		
Thur 6	09:18	3.61	02:31	1.17	06:41		Fri 21	10:30	3.51	03:57	1.26	07:07			
	21:45	3.77	15:06	1.19		20:03		22:30	3.73	16:09	1.35		19:27		
Fri 7	10:23	3.80	03:39	0.90	06:43		Sat 22	11:12	3.64	04:38	1.07	07:09			
	22:42	4.01	16:06	0.97		20:01		23:11	3.87	16:47	1.16		19:24		
Sat 8	11:17	3.98	04:36	0.59	06:45		Sun 23	11:45	3.75	05:11	0.90	07:11			
	23:30	4.22	16:56	0.75		19:58	●	23:45	3.96	17:18	0.99		19:22		
Sun 9	12:04	4.10	05:24	0.33	06:47		Mon 24	12:16	3.82	05:39	0.77	07:13			
	-	-	17:39	0.57		19:56		-	-	17:47	0.86		19:19		
Mon 10	00:14	4.35	06:07	0.18	06:48		Tues 25	00:14	4.03	06:03	0.67	07:14			
	12:47	4.14	18:19	0.47		19:53		12:42	3.87	18:13	0.76		19:17		
Tues 11	00:55	4.39	06:49	0.14	06:50		Wed 26	00:42	4.08	06:28	0.60	07:16			
	13:27	4.11	18:58	0.46		19:51		13:09	3.91	18:41	0.69		19:14		
Wed 12	01:36	4.35	07:30	0.22	06:52		Thur 27	01:15	4.11	06:58	0.56	07:18			
	14:06	4.03	19:39	0.53		19:48		13:41	3.95	19:14	0.66		19:12		
Thur 13	02:18	4.24	08:14	0.39	06:54		Fri 28	01:52	4.11	07:34	0.59	07:20			
	14:48	3.92	20:23	0.67		19:46		14:19	3.95	19:52	0.69		19:10		
Fri 14	03:03	4.08	08:59	0.63	06:55		Sat 29	02:33	4.06	08:15	0.68	07:21			
	15:32	3.80	21:11	0.86		19:44		15:02	3.91	20:36	0.78		19:07		
Sat 15	03:52	3.87	09:48	0.89	06:57		Sun 30	03:20	3.96	09:01	0.84	07:23			
	16:20	3.65	22:04	1.07		19:41		15:48	3.82	21:26	0.92		19:05		

All times are given in Local Time

All times are given in Local Time

### OCTOBER 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Mon 1	04:11	3.81	09:54	1.05	07:25		Tues 16	05:18	3.38	11:02	1.49	07:52			
	16:41	3.70	22:25	1.10		19:02		17:35	3.46	23:36	1.43		18:27		
Tues 2	05:10	3.64	10:58	1.28	07:27		Wed 17	06:35	3.23	12:06	1.68	07:54			
	17:42	3.58	23:37	1.24		19:00	☾	18:50	3.37	-	-		18:25		
Wed 3	06:24	3.49	12:15	1.44	07:28		Thur 18	07:51	3.21	00:47	1.53	07:56			
	18:58	3.52	-	-		18:58		20:02	3.40	13:19	1.74		18:23		
Thur 4	07:52	3.48	01:00	1.26	07:30		Fri 19	08:59	3.32	02:10	1.48	07:58			
	20:21	3.61	13:39	1.45		18:55		21:04	3.51	14:37	1.64		18:20		
Fri 5	09:10	3.62	02:22	1.11	07:32		Sat 20	09:55	3.49	03:18	1.30	07:59			
	21:30	3.81	14:54	1.30		18:53		21:57	3.66	15:33	1.45		18:18		
Sat 6	10:15	3.81	03:30	0.85	07:34		Sun 21	10:39	3.65	04:02	1.10	08:01			
	22:29	4.03	15:54	1.06		18:50		22:39	3.81	16:14	1.24		18:16		
Sun 7	11:07	3.98	04:24	0.57	07:36		Mon 22	11:15	3.79	04:36	0.91	08:03			
	23:18	4.20	16:42	0.83		18:48		23:15	3.93	16:47	1.05		18:14		
Mon 8	11:53	4.08	05:09	0.36	07:37		Tues 23	11:46	3.89	05:04	0.75	08:05			
	-	-	17:24	0.66		18:46		23:45	4.03	17:16	0.88		18:12		
Tues 9	00:01	4.30	05:51	0.25	07:39		Wed 24	12:13	3.97	05:30	0.63	08:07			
	12:32	4.11	18:03	0.55		18:43	●	-	-	17:45	0.74		18:10		
Wed 10	00:39	4.32	06:30	0.25	07:41		Thur 25	00:15	4.11	05:59	0.54	08:09			
	13:07	4.09	18:41	0.53		18:41		12:41	4.04	18:15	0.64		18:07		
Thur 11	01:17	4.27	07:09	0.35	07:43		Fri 26	00:49	4.16	06:32	0.51	08:11			
	13:42	4.04	19:20	0.58		18:39		13:15	4.09	18:51	0.60		18:05		
Fri 12	01:55	4.16	07:47	0.52	07:45		Sat 27	01:29	4.16	07:09	0.56	08:13			
	14:19	3.96	20:00	0.69		18:36		13:54	4.09	19:32	0.62		18:03		
Sat 13	02:37	4.01	08:28	0.74	07:46		Sun 28	01:12	4.11	06:51	0.69	07:14			
	15:00	3.87	20:46	0.85		18:34		13:39	4.05	19:18	0.71		17:01		
Sun 14	03:23	3.81	09:13	0.99	07:48		Mon 29	02:02	4.00	07:39	0.88	07:16			
	15:44	3.75	21:36	1.04		18:32		14:27	3.96	20:12	0.86		16:59		
Mon 15	04:15	3.60	10:04	1.25	07:50		Tues 30	02:57	3.84	08:36	1.12	07:18			
	16:34	3.61	22:33	1.25		18:29		15:23	3.85	21:16	1.01		16:57		
							Wed 31	04:00	3.68	09:43	1.34	07:20			
								16:27	3.74	22:29	1.13		16:55		

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Dublin (North Wall)

### NOVEMBER 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Thur 1	05:18	3.56	11:00	1.49	07:22		Fri 16	06:06	3.23	11:35	1.75	07:50			
	17:42	3.68	23:48	1.15		16:53		18:12	3.41	-	-		16:27		
Fri 2	06:41	3.56	12:21	1.49	07:24		Sat 17	07:14	3.30	00:13	1.47	07:52			
	19:02	3.74	-	-		16:51		19:18	3.46	12:42	1.71		16:26		
Sat 3	07:56	3.68	01:05	1.03	07:26		Sun 18	08:12	3.44	01:19	1.37	07:54			
	20:12	3.88	13:34	1.37		16:49		20:12	3.57	13:43	1.57		16:24		
Sun 4	08:59	3.84	02:11	0.84	07:28		Mon 19	08:59	3.61	02:12	1.20	07:56			
	21:12	4.03	14:34	1.17		16:47		20:59	3.71	14:30	1.38		16:23		
Mon 5	09:52	3.97	03:05	0.65	07:30		Tues 20	09:39	3.77	02:52	1.02	07:58			
	22:04	4.15	15:24	0.98		16:46		21:39	3.86	15:09	1.17		16:22		
Tues 6	10:37	4.05	03:51	0.51	07:32		Wed 21	10:12	3.91	03:27	0.84	07:59			
	22:49	4.20	16:08	0.82		16:44		22:14	3.99	15:43	0.97		16:20		
Wed 7	11:16	4.08	04:33	0.46	07:33		Thur 22	10:43	4.04	03:59	0.69	08:01			
	23:28	4.19	16:48	0.72		16:42	●	22:51	4.10	16:18	0.79		16:19		
Thur 8	11:50	4.07	05:12	0.48	07:35		Fri 23	11:16	4.14	04:33	0.58	08:03			
	-	-	17:27	0.69		16:40		23:30	4.17	16:54	0.64		16:18		
Fri 9	00:03	4.13	05:49	0.58	07:37		Sat 24	11:53	4.20	05:10	0.54	08:05	○		
	21:21	4.05	18:05	0.71		16:38		-	-	17:33	0.56		16:17		
Sat 10	00:39	4.04	06:25	0.72	07:39		Sun 25	00:12	4.19	05:51	0.59	08:06			
	12:56	4.01	18:45	0.78		16:37		12:35	4.22	18:18	0.56		16:16		
Sun 11	01:18	3.92	07:03	0.88	07:41		Mon 26	00:59	4.14	06:35	0.71	08:08			
	13:35	3.96	19:27	0.89		16:35		13:21	4.19	19:08	0.62		16:15		
Mon 12	02:01	3.77	07:45	1.08	07:43		Tues 27	01:51	4.04	07:26	0.89	08:09			
	14:17	3.87	20:14	1.03		16:33		14:13	4.13	20:04	0.73		16:14		
Tues 13	02:49	3.60	08:32	1.28	07:45		Wed 28	02:49	3.91	08:24	1.10	08:11			
	15:03	3.74	21:06	1.20		16:32		15:11	4.03	21:07	0.85		16:13		
Wed 14	03:45	3.42	09:27	1.49	07:47		Thur 29	03:54	3.77	09:29	1.30	08:13			
	15:55	3.60	22:03	1.35		16:30		16:14	3.94	22:15	0.95		16:12		
Thur 15	04:52	3.28	10:28	1.66	07:48		Fri 30	05:06	3.67	10:40	1.43	08:14	☾		
	17:00	3.47	23:06	1.46		16:29		17:25	3.87	23:27	1.01		16:11		

All times are given in Local Time

All times are given in Local Time

### DECEMBER 2018

Date	Tide at North Wall, Dublin				Sun		Moon's Phases	Date	Tide at North Wall, Dublin				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sat 1	06:21	3.65	11:54	1.47	08:16		Sun 16	06:13	3.29	11:46	1.69	08:34			
	18:38	3.85	-	-		16:10		18:10	3.45	-	-		16:06		
Sun 2	07:31	3.71	00:39	1.00	08:17		Mon 17	07:15	3.36	00:17	1.39	08:35			
	19:47	3.90	13:06	1.42		16:10		19:12	3.48	12:46	1.63		16:06		
Mon 3	08:34	3.81	01:45	0.93	08:19		Tues 18	08:09	3.50	01:14	1.30	08:35			
	20:50	3.96	14:09	1.30		16:09		20:09	3.59	13:40	1.49		16:06		
Tues 4	09:30	3.91	02:42	0.84	08:20		Wed 19	08:56	3.67	02:05	1.15	08:36			
	21:46	4.01	15:03	1.15		16:08		20:59	3.74	14:28	1.30		16:07		
Wed 5	10:18	3.98	03:32	0.77	08:22		Thur 20	09:36	3.84	02:49	0.98	08:37			
	22:36	4.04	15:51	1.02		16:08		21:45	3.90	15:12	1.07		16:07		
Thur 6	10:59	4.02	04:16	0.74	08:23		Fri 21	10:16	4.01	03:31	0.81	08:37			
	23:17	4.02	16:35	0.92		16:07		22:30	4.04	15:54	0.84		16:07		
Fri 7	11:34	4.04	04:56	0.76	08:24		Sat 22	10:55	4.16	04:12	0.68	08:38			
	23:53	3.97	17:15	0.87		16:07	●	23:15	4.14	16:36	0.64		16:08		
Sat 8	12:05	4.04	05:33	0.81	08:25		Sun 23	11:37	4.27	04:54	0.60	08:38			
	-	-	17:54	0.85		16:07		-	-	17:21	0.50		16:09		
Sun 9	00:26	3.90	06:07	0.89	08:27		Mon 24	00:01	4.19	05:37	0.59	08:39			
	12:38	4.04	18:31	0.87		16:06		12:21	4.32	18:08	0.43		16:09		
Mon 10	01:02	3.83	06:42	0.98	08:28		Tues 25	00:49	4.17	06:23	0.66	08:39			
	13:14	4.01	19:11	0.93		16:06		13:09	4.33	18:58	0.44		16:10		
Tues 11	01:42	3.74	07:21	1.10	08:29		Wed 26	01:42	4.10	07:13	0.79	08:39			
	13:53	3.95	19:52	1.01		16:06		14:01	4.28	19:53	0.51		16:10		
Wed 12	02:24	3.63	08:02	1.24	08:30		Thur 27	02:37	3.99	08:08	0.96	08:39			
	14:35	3.86	20:36	1.11		16:06		14:57	4.20	20:51	0.63		16:11		
Thur 13	03:10	3.51	08:48	1.39	08:31		Fri 28	03:38	3.86	09:08	1.13	08:40			
	15:21	3.74	21:25	1.23		16:06		15:57	4.09	21:54	0.77		16:12		
Fri 14	04:03	3.39	09:42	1.54	08:32		Sat 29	04:42	3.74	10:12	1.28	08:40	☾		
	16:10	3.61	22:18	1.33		16:06		17:01	3.97	22:58	0.91		16:13		
Sat 15	05:05	3.30	10:44	1.65	08:33		Sun 30	05:51	3.66	11:20	1.40	08:40			
	17:07	3.50	23:17	1.39		16:06		18:10	3.87	-	-		16:14		
							Mon 31	06:58	3.65	00:05	1.03	08:40			
								19:18	3.81	12:31	1.44		16:15		

All times are given in Local Time

All times are given in Local Time





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[www.coldmove.ie](http://www.coldmove.ie)

# Tide Tables

## Soldiers Point (Dundalk)

### JANUARY 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Mon 1	10:27	5.25	04:34	0.49	08:44		Tues 16	11:09	4.89	05:33	1.05	08:35			
	22:48	5.24	17:03	0.41		16:13		23:33	4.61	17:57	1.00		16:35		
Tues 2	11:14	5.41	05:25	0.37	08:44		Wed 17	11:41	4.94	06:06	0.98	08:34			
	23:38	5.31	17:53	0.21		16:14		-	-	18:28	0.92		16:37		
Wed 3	12:00	5.49	06:11	0.34	08:43		Thur 18	00:03	4.63	06:33	0.94	08:33			
	-	-	18:39	0.10		16:16		12:12	4.96	18:54	0.86		16:39		
Thur 4	00:27	5.27	06:54	0.40	08:43		Fri 19	00:34	4.64	06:59	0.91	08:31			
	12:48	5.49	19:23	0.11		16:17		12:44	4.97	19:20	0.81		16:40		
Fri 5	01:18	5.16	07:36	0.56	08:43		Sat 20	01:07	4.65	07:26	0.91	08:30			
	13:38	5.41	20:08	0.22		16:18		13:21	4.96	19:49	0.77		16:42		
Sat 6	02:12	4.99	08:19	0.77	08:42		Sun 21	01:45	4.64	07:58	0.94	08:29			
	14:31	5.27	20:53	0.40		16:19		14:01	4.93	20:21	0.76		16:44		
Sun 7	03:08	4.79	09:05	1.01	08:42		Mon 22	02:27	4.60	08:33	1.00	08:28			
	15:27	5.09	21:40	0.64		16:21		14:45	4.87	20:57	0.79		16:46		
Mon 8	04:07	4.59	09:53	1.26	08:41		Tues 23	03:13	4.53	09:12	1.10	08:26			
	16:27	4.87	22:30	0.90		16:22		15:31	4.77	21:38	0.88		16:48		
Tues 9	05:09	4.43	10:48	1.47	08:41		Wed 24	04:03	4.43	09:56	1.22	08:25			
	17:30	4.67	23:28	1.14		16:24		16:21	4.65	22:24	1.00		16:50		
Wed 10	06:13	4.34	11:51	1.61	08:40		Thur 25	05:00	4.33	10:48	1.34	08:24			
	18:36	4.52	-	-		16:25		17:18	4.53	23:21	1.13		16:52		
Thur 11	07:16	4.35	00:35	1.32	08:39		Fri 26	06:05	4.30	11:56	1.39	08:22			
	19:41	4.45	13:09	1.65		16:27		18:24	4.47	-	-		16:53		
Fri 12	08:16	4.43	01:56	1.38	08:38		Sat 27	07:16	4.38	00:34	1.18	08:21			
	20:42	4.44	14:34	1.56		16:28		19:36	4.52	13:15	1.30		16:55		
Sat 13	09:10	4.56	03:11	1.33	08:38		Sun 28	08:23	4.58	01:57	1.10	08:19			
	21:37	4.49	15:44	1.41		16:30		20:45	4.68	14:38	1.07		16:57		
Sun 14	09:56	4.69	04:09	1.24	08:37		Mon 29	09:22	4.85	03:16	0.91	08:17			
	22:22	4.54	16:40	1.25		16:32		21:46	4.89	15:51	0.74		16:59		
Mon 15	10:35	4.81	04:56	1.14	08:36		Tues 30	10:15	5.11	04:23	0.67	08:16			
	23:00	4.58	17:22	1.10		16:33		22:40	5.06	16:54	0.41		17:01		
							Wed 31	11:03	5.32	05:17	0.47	08:14			
								23:29	5.16	17:45	0.14		17:03		

All times are given in Local Time

All times are given in Local Time

### FEBRUARY 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Thur 1	11:48	5.43	06:02	0.34	08:12		Fri 16	11:48	4.93	06:11	0.77	07:43			
	-	-	18:30	-0.01		17:05		-	-	18:29	0.64		17:35		
Fri 2	00:15	5.16	06:42	0.32	08:11		Sat 17	00:09	4.67	06:35	0.67	07:41			
	12:33	5.45	19:11	-0.03		17:07		12:19	4.98	18:54	0.54		17:38		
Sat 3	01:00	5.08	07:21	0.39	08:09		Sun 18	00:39	4.73	07:03	0.60	07:39			
	13:18	5.38	19:51	0.07		17:09		12:54	5.01	19:23	0.46		17:39		
Sun 4	01:46	4.93	08:00	0.54	08:07		Mon 19	01:15	4.76	07:35	0.58	07:37			
	14:06	5.24	20:32	0.27		17:11		13:34	5.01	19:56	0.45		17:42		
Mon 5	02:33	4.75	08:40	0.75	08:05		Tues 20	01:57	4.75	08:10	0.61	07:35			
	14:54	5.03	21:12	0.54		17:13		14:17	4.97	20:33	0.51		17:44		
Tues 6	03:24	4.54	09:23	0.99	08:03		Wed 21	02:40	4.68	08:48	0.72	07:33			
	15:47	4.78	21:56	0.85		17:15		15:03	4.87	21:12	0.65		17:46		
Wed 7	04:18	4.34	10:11	1.25	08:02		Thur 22	03:29	4.56	09:30	0.88	07:30			
	16:46	4.51	22:44	1.18		17:17		15:52	4.71	21:56	0.87		17:48		
Thur 8	05:21	4.18	11:07	1.48	08:00		Fri 23	04:23	4.40	10:22	1.07	07:28			
	17:52	4.28	23:41	1.45		17:19		16:50	4.51	22:50	1.11		17:50		
Fri 9	06:27	4.11	12:14	1.63	07:58		Sat 24	05:28	4.26	11:28	1.23	07:26			
	19:00	4.14	-	-		17:21		18:00	4.36	-	-		17:52		
Sat 10	07:31	4.15	00:58	1.61	07:56		Sun 25	06:47	4.25	00:03	1.29	07:24			
	20:07	4.12	13:48	1.63		17:23		19:21	4.34	12:51	1.23		17:53		
Sun 11	08:31	4.29	02:33	1.58	07:54		Mon 26	08:04	4.42	01:36	1.27	07:21			
	21:08	4.21	15:17	1.47		17:25		20:36	4.49	14:23	1.02		17:55		
Mon 12	09:24	4.47	03:44	1.43	07:52		Tues 27	09:09	4.69	03:05	1.06	07:19			
	21:58	4.33	16:16	1.27		17:27		21:40	4.71	15:42	0.68		17:57		
Tues 13	10:09	4.64	04:34	1.24	07:50		Wed 28	10:05	4.97	04:14	0.77	07:17			
	22:38	4.45	17:01	1.07		17:29		22:33	4.89	16:45	0.34		17:59		
Wed 14	10:46	4.77	05:12	1.06	07:48										
	23:12	4.54	17:35	0.90		17:31									
Thur 15	11:19	4.86	05:44	0.90	07:46										
	23:42	4.61	18:03	0.76		17:33									

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Soldiers Point (Dundalk)

### MARCH 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Thur 1	10:54	5.18	05:07	0.51	07:14		Fri 16	10:52	4.78	05:15	0.81	06:38			
	23:20	5.00	17:36	0.07		18:01		23:15	4.64	17:32	0.57		18:30		
Fri 2	11:37	5.30	05:51	0.33	07:12		Sat 17	11:21	4.89	05:43	0.61	06:36			
	-	-	18:17	-0.07		18:03		23:41	4.75	17:58	0.40		18:32		
Sat 3	00:00	5.01	06:29	0.25	07:10		Sun 18	11:51	4.99	06:10	0.44	06:33			
	12:18	5.32	18:56	-0.08		18:05		-	-	18:26	0.27		18:34		
Sun 4	00:39	4.96	07:05	0.26	07:07		Mon 19	00:11	4.84	06:40	0.33	06:31			
	12:57	5.25	19:31	0.04		18:07		12:27	5.06	18:58	0.21		18:36		
Mon 5	01:17	4.85	07:40	0.36	07:05		Tues 20	00:47	4.89	07:13	0.29	06:28			
	13:38	5.10	20:07	0.25		18:09		13:08	5.07	19:33	0.24		18:38		
Tues 6	01:57	4.71	08:17	0.53	07:02		Wed 21	01:27	4.89	07:49	0.33	06:26			
	14:21	4.90	20:44	0.52		18:11		13:51	5.02	20:10	0.36		18:40		
Wed 7	02:40	4.54	08:57	0.76	07:00		Thur 22	02:12	4.81	08:28	0.46	06:23			
	15:09	4.65	21:23	0.84		18:13		14:39	4.89	20:51	0.58		18:41		
Thur 8	03:27	4.35	09:40	1.02	06:58		Fri 23	03:01	4.67	09:13	0.66	06:21			
	16:02	4.36	22:06	1.18		18:15		15:32	4.69	21:37	0.86		18:43		
Fri 9	04:23	4.14	10:31	1.29	06:55		Sat 24	03:57	4.47	10:07	0.89	06:19			
	17:06	4.08	22:57	1.49		18:17		16:33	4.46	22:32	1.16		18:45		
Sat 10	05:33	3.99	11:32	1.51	06:53		Sun 25	06:03	4.30	12:14	1.07	07:16			
	18:21	3.91	-	-		18:19		18:48	4.28	-	-		19:47		
Sun 11	06:47	3.95	00:01	1.71	06:50		Mon 26	07:27	4.24	00:46	1.37	07:14			
	19:32	3.89	12:51	1.59		18:21		20:14	4.27	13:38	1.09		19:49		
Mon 12	07:53	4.06	01:32	1.73	06:48		Tues 27	08:49	4.38	02:19	1.36	07:11			
	20:36	4.01	14:34	1.47		18:23		21:30	4.41	15:08	0.90		19:51		
Tues 13	08:51	4.25	03:06	1.55	06:46		Wed 28	09:57	4.63	03:49	1.14	07:09			
	21:30	4.19	15:42	1.23		18:24		22:33	4.62	16:28	0.59		19:53		
Wed 14	09:39	4.46	04:02	1.29	06:43		Thur 29	10:55	4.89	04:59	0.85	07:06			
	22:12	4.38	16:27	0.99		18:26		23:25	4.79	17:30	0.30		19:55		
Thur 15	10:19	4.64	04:43	1.04	06:41		Fri 30	11:43	5.07	05:53	0.58	07:04			
	22:46	4.52	17:03	0.76		18:28		-	-	18:19	0.09		19:56		
							Sat 31	00:09	4.87	06:36	0.39	07:01			
								12:25	5.15	19:00	0.01		19:58		

All times are given in Local Time

All times are given in Local Time

### APRIL 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sun 1	00:44	4.88	07:13	0.29	06:59		Mon 16	00:11	4.85	06:42	0.32	06:23			
	13:02	5.14	19:37	0.04		20:00		12:25	5.03	19:00	0.13		20:28		
Mon 2	01:15	4.84	07:48	0.27	06:56		Tues 17	00:43	4.97	07:16	0.19	06:20			
	13:36	5.06	20:10	0.16		20:02		13:03	5.11	19:35	0.10		20:30		
Tues 3	01:48	4.79	08:21	0.34	06:54		Wed 18	01:21	5.03	07:53	0.14	06:18			
	14:13	4.94	20:44	0.35		20:04		13:45	5.11	20:13	0.18		20:32		
Wed 4	02:24	4.71	08:56	0.47	06:51		Thur 19	02:03	5.02	08:32	0.20	06:16			
	14:54	4.77	21:17	0.59		20:06		14:33	5.04	20:52	0.36		20:34		
Thur 5	03:04	4.60	09:33	0.66	06:49		Fri 20	02:51	4.94	09:16	0.35	06:13			
	15:37	4.55	21:53	0.87		20:08		15:24	4.89	21:36	0.62		20:36		
Fri 6	03:48	4.44	10:15	0.89	06:47		Sat 21	03:42	4.79	10:05	0.55	06:11			
	16:26	4.29	22:33	1.18		20:09		16:20	4.69	22:25	0.93		20:37		
Sat 7	04:36	4.24	11:02	1.15	06:44		Sun 22	04:41	4.61	11:02	0.76	06:09			
	17:24	4.02	23:22	1.47		20:11		17:26	4.46	23:22	1.21		20:39		
Sun 8	05:37	4.03	11:58	1.37	06:42		Mon 23	05:51	4.45	12:08	0.90	06:07			
	18:40	3.82	-	-		20:13		18:45	4.31	-	-		20:41		
Mon 9	06:59	3.91	00:21	1.70	06:39		Tues 24	07:14	4.40	00:33	1.38	06:04			
	19:54	3.79	13:04	1.49		20:15		20:05	4.31	13:25	0.92		20:43		
Tues 10	08:12	3.95	01:34	1.77	06:37		Wed 25	08:33	4.50	01:58	1.38	06:02			
	21:00	3.92	14:27	1.43		20:17		21:18	4.44	14:48	0.79		20:45		
Wed 11	09:14	4.12	03:02	1.63	06:35		Thur 26	09:41	4.68	03:23	1.21	06:00			
	21:56	4.13	15:45	1.21		20:19		22:19	4.60	16:04	0.58		20:47		
Thur 12	10:04	4.33	04:11	1.36	06:32		Fri 27	10:39	4.86	04:33	0.97	05:58			
	22:39	4.35	16:39	0.95		20:21		23:09	4.72	17:06	0.40		20:49		
Fri 13	10:45	4.55	04:59	1.07	06:30		Sat 28	11:28	4.97	05:30	0.74	05:56			
	23:14	4.54	17:20	0.68		20:22		23:52	4.78	17:58	0.28		20:50		
Sat 14	11:19	4.74	05:37	0.79	06:27		Sun 29	12:10	5.00	06:17	0.58	05:54			
	23:43	4.70	17:54	0.45		20:24		-	-	18:41	0.25		20:52		
Sun 15	11:51	4.90	06:10	0.53	06:25		Mon 30	00:27	4.78	06:56	0.48	05:51			
	-	-	18:27	0.25		20:26		12:46	4.96	19:17	0.30		20:54		

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Soldiers Point (Dundalk)

### MAY 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Tues 1	00:54	4.77	07:32	0.46	05:49		Wed 16	00:19	5.08	06:55	0.18	05:21			
	13:18	4.88	19:51	0.41		20:56		12:43	5.16	19:15	0.13		21:22		
Wed 2	01:24	4.76	08:05	0.49	05:47		Thur 17	01:00	5.15	07:37	0.13	05:19			
	13:52	4.78	20:23	0.56		20:58		13:30	5.16	19:57	0.23		21:24		
Thur 3	01:59	4.74	08:39	0.58	05:45		Fri 18	01:45	5.15	08:21	0.18	05:18			
	14:30	4.65	20:55	0.74		21:00		14:19	5.07	20:39	0.43		21:26		
Fri 4	02:37	4.68	09:15	0.71	05:43		Sat 19	02:36	5.09	09:08	0.31	05:16			
	15:12	4.49	21:28	0.95		21:01		15:14	4.92	21:25	0.68		21:27		
Sat 5	03:18	4.56	09:54	0.89	05:41		Sun 20	03:30	4.97	10:00	0.47	05:15			
	15:57	4.29	22:06	1.18		21:03		16:14	4.74	22:15	0.95		21:29		
Sun 6	04:03	4.40	10:38	1.08	05:39		Mon 21	04:32	4.82	10:56	0.62	05:13			
	16:50	4.08	22:50	1.43		21:05		17:21	4.55	23:11	1.19		21:30		
Mon 7	04:56	4.20	11:28	1.26	05:37		Tues 22	05:42	4.69	11:57	0.74	05:12	☾		
	17:54	3.89	23:45	1.63		21:07		18:33	4.43	-	-		21:32		
Tues 8	06:03	4.04	12:26	1.37	05:35	☾	Wed 23	06:58	4.63	00:14	1.34	05:10			
	19:09	3.83	-	-		21:09		19:46	4.41	13:04	0.80		21:34		
Wed 9	07:20	4.00	00:48	1.72	05:33		Thur 24	08:10	4.65	01:28	1.39	05:09			
	20:17	3.91	13:30	1.35		21:10		20:54	4.47	14:18	0.78		21:35		
Thur 10	08:26	4.10	01:58	1.65	05:32		Fri 25	09:17	4.73	02:46	1.30	05:08			
	21:13	4.10	14:38	1.20		21:12		21:55	4.56	15:33	0.71		21:37		
Fri 11	09:19	4.28	03:05	1.44	05:30		Sat 26	10:16	4.81	04:00	1.15	05:06			
	21:58	4.33	15:38	0.96		21:14		22:47	4.65	16:38	0.63		21:38		
Sat 12	10:03	4.51	04:02	1.16	05:28		Sun 27	11:08	4.85	05:03	0.99	05:05			
	22:36	4.55	16:29	0.70		21:16		23:30	4.71	17:34	0.59		21:39		
Sun 13	10:42	4.73	04:50	0.86	05:26		Mon 28	11:52	4.85	05:55	0.85	05:04			
	23:09	4.76	17:13	0.45		21:17		-	-	18:19	0.59		21:41		
Mon 14	11:21	4.93	05:33	0.57	05:24		Tues 29	00:06	4.73	06:39	0.76	05:03	☉		
	23:42	4.95	17:54	0.25		21:19		12:29	4.80	18:57	0.62		21:42		
Tues 15	12:00	5.08	06:14	0.34	05:23	●	Wed 30	00:34	4.75	07:16	0.72	05:02			
	-	-	18:36	0.14		21:21		13:01	4.73	19:32	0.69		21:44		
							Thur 31	01:03	4.77	07:51	0.72	05:01			
								13:33	4.66	20:03	0.78		21:45		

All times are given in Local Time

All times are given in Local Time

### JUNE 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Fri 1	01:37	4.78	08:24	0.76	05:00		Sat 16	01:33	5.29	08:13	0.15	04:52			
	14:09	4.58	20:34	0.88		21:46		14:09	5.12	20:28	0.46		21:59		
Sat 2	02:14	4.76	08:59	0.84	04:59		Sun 17	02:24	5.25	09:01	0.23	04:52			
	14:49	4.48	21:06	1.01		21:47		15:04	4.98	21:13	0.67		22:00		
Sun 3	02:54	4.69	09:34	0.94	04:58		Mon 18	03:19	5.16	09:50	0.35	04:52			
	15:31	4.35	21:40	1.16		21:48		16:03	4.82	22:02	0.90		22:00		
Mon 4	03:37	4.58	10:12	1.05	04:57		Tues 19	04:19	5.03	10:43	0.50	04:52			
	16:18	4.21	22:20	1.33		21:49		17:05	4.65	22:53	1.11		22:00		
Tues 5	04:25	4.43	10:56	1.16	04:57		Wed 20	05:25	4.89	11:38	0.65	04:52	☾		
	17:09	4.08	23:06	1.49		21:51		18:11	4.51	23:49	1.28		22:01		
Wed 6	05:18	4.29	11:45	1.24	04:56		Thur 21	06:34	4.78	12:37	0.80	04:52			
	18:10	3.99	23:59	1.59		21:52		19:18	4.43	-	-		22:01		
Thur 7	06:18	4.20	12:39	1.26	04:55	☾	Fri 22	07:42	4.70	00:53	1.40	04:52			
	19:16	4.00	-	-		21:53		20:23	4.43	13:44	0.90		22:01		
Fri 8	07:23	4.21	01:00	1.59	04:55		Sat 23	08:48	4.68	02:07	1.42	04:52			
	20:17	4.12	13:38	1.18		21:54		21:24	4.48	14:57	0.96		22:01		
Sat 9	08:24	4.33	02:02	1.47	04:54		Sun 24	09:49	4.68	03:24	1.35	04:53			
	21:09	4.31	14:39	1.02		21:54		22:18	4.56	16:07	0.96		22:01		
Sun 10	09:18	4.52	03:05	1.25	04:54		Mon 25	10:44	4.69	04:36	1.24	04:53			
	21:54	4.55	15:38	0.80		21:55		23:04	4.64	17:07	0.94		22:01		
Mon 11	10:07	4.74	04:02	0.97	04:53		Tues 26	11:31	4.68	05:34	1.11	04:54			
	22:37	4.79	16:33	0.58		21:56		23:42	4.71	17:58	0.92		22:01		
Tues 12	10:54	4.94	04:57	0.68	04:53		Wed 27	12:10	4.65	06:21	1.00	04:54			
	23:18	5.00	17:26	0.39		21:57		-	-	18:38	0.90		22:01		
Wed 13	11:41	5.10	05:50	0.43	04:52	●	Thur 28	00:14	4.76	07:01	0.93	04:55	☉		
	-	-	18:14	0.27		21:58		12:43	4.61	19:13	0.90		22:01		
Thur 14	00:01	5.17	06:39	0.24	04:52		Fri 29	00:45	4.81	07:36	0.89	04:55			
	12:28	5.18	19:00	0.24		21:58		13:15	4.58	19:44	0.92		22:01		
Fri 15	00:45	5.27	07:25	0.15	04:52		Sat 30	01:17	4.84	08:08	0.88	04:56			
	13:18	5.19	19:44	0.31		21:59		13:48	4.55	20:13	0.95		22:01		

All times are given in Local Time

All times are given in Local Time



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# Tide Tables

## Soldiers Point (Dundalk)

### JULY 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sun 1	01:51	4.84	08:39	0.90	04:57		Mon 16	02:09	5.39	08:48	0.10	05:13			
	14:24	4.50	20:43	1.00		22:00		14:48	5.02	20:57	0.57		21:48		
Mon 2	02:29	4.81	09:09	0.93	04:57		Tues 17	03:00	5.30	09:34	0.24	05:14			
	15:03	4.45	21:13	1.07		22:00		15:42	4.86	21:43	0.78		21:47		
Tues 3	03:10	4.75	09:42	0.97	04:58		Wed 18	03:57	5.14	10:22	0.43	05:15			
	15:45	4.38	21:48	1.17		21:59		16:38	4.67	22:29	1.00		21:46		
Wed 4	03:54	4.65	10:17	1.02	04:59		Thur 19	04:57	4.95	11:11	0.66	05:17			
	16:30	4.30	22:27	1.28		21:59		17:37	4.50	23:20	1.22		21:45		
Thur 5	04:42	4.54	10:59	1.08	05:00		Fri 20	06:01	4.76	12:04	0.90	05:18			
	17:21	4.21	23:11	1.39		21:58		18:40	4.37	-	-		21:43		
Fri 6	05:34	4.44	11:47	1.13	05:01		Sat 21	07:09	4.59	00:16	1.40	05:20			
	18:16	4.16	-	-		21:58		19:44	4.31	13:04	1.11		21:42		
Sat 7	06:32	4.38	00:04	1.45	05:02		Sun 22	08:15	4.49	01:25	1.52	05:21			
	19:18	4.18	12:42	1.14		21:57		20:46	4.35	14:16	1.25		21:40		
Sun 8	07:35	4.39	01:05	1.44	05:03		Mon 23	09:20	4.46	02:48	1.52	05:23			
	20:21	4.30	13:46	1.09		21:56		21:45	4.44	15:34	1.29		21:39		
Mon 9	08:39	4.50	02:12	1.31	05:04		Tues 24	10:19	4.48	04:11	1.42	05:24			
	21:18	4.50	14:54	0.97		21:55		22:35	4.57	16:40	1.25		21:37		
Tues 10	09:39	4.68	03:23	1.09	05:05		Wed 25	11:09	4.51	05:16	1.26	05:26			
	22:11	4.75	16:01	0.79		21:55		23:16	4.69	17:34	1.16		21:36		
Wed 11	10:35	4.88	04:29	0.80	05:06		Thur 26	11:50	4.54	06:05	1.11	05:27			
	23:00	5.01	17:02	0.60		21:54		23:52	4.79	18:17	1.07		21:34		
Thur 12	11:27	5.06	05:32	0.51	05:07		Fri 27	12:24	4.55	06:45	0.99	05:29			
	23:46	5.22	17:58	0.44		21:53		-	-	18:53	0.99		21:33		
Fri 13	12:17	5.17	06:27	0.26	05:09		Sat 28	00:24	4.86	07:17	0.91	05:31			
	-	-	18:47	0.34		21:52		12:54	4.56	19:23	0.93		21:31		
Sat 14	00:33	5.36	07:14	0.10	05:10		Sun 29	00:55	4.90	07:46	0.86	05:32			
	13:06	5.20	19:32	0.33		21:51		13:25	4.57	19:51	0.90		21:29		
Sun 15	01:19	5.42	08:02	0.05	05:11		Mon 30	01:27	4.92	08:13	0.83	05:34			
	13:56	5.14	20:15	0.42		21:49		13:57	4.58	20:17	0.89		21:28		
							Tues 31	02:02	4.92	08:39	0.81	05:36			
								14:33	4.58	20:47	0.90		21:26		

All times are given in Local Time

All times are given in Local Time

### AUGUST 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Wed 1	02:41	4.89	09:10	0.80	05:37		Thur 16	03:25	5.14	09:55	0.43	06:04			
	15:12	4.55	21:19	0.96		21:24		16:01	4.67	22:02	0.88		20:54		
Thur 2	03:23	4.83	09:44	0.83	05:39		Fri 17	04:19	4.90	10:39	0.73	06:05			
	15:55	4.50	21:55	1.04		21:22		16:54	4.47	22:49	1.14		20:51		
Fri 3	04:09	4.74	10:23	0.90	05:41		Sat 18	05:21	4.63	11:27	1.04	06:07			
	16:41	4.41	22:35	1.16		21:20		17:54	4.30	23:42	1.39		20:49		
Sat 4	04:57	4.61	11:06	1.01	05:42		Sun 19	06:30	4.39	12:22	1.33	06:09			
	17:33	4.31	23:22	1.28		21:18		19:00	4.20	-	-		20:47		
Sun 5	05:52	4.48	11:58	1.13	05:44		Mon 20	07:41	4.24	00:45	1.57	06:11			
	18:32	4.24	-	-		21:16		20:06	4.21	13:30	1.53		20:45		
Mon 6	06:57	4.39	00:22	1.37	05:46		Tues 21	08:50	4.21	02:09	1.63	06:12			
	19:41	4.27	13:03	1.21		21:14		21:09	4.32	14:57	1.57		20:43		
Tues 7	08:09	4.41	01:34	1.35	05:48		Wed 22	09:54	4.28	03:46	1.51	06:14			
	20:50	4.43	14:19	1.18		21:12		22:04	4.49	16:13	1.47		20:40		
Wed 8	09:20	4.56	02:55	1.17	05:49		Thur 23	10:48	4.39	04:56	1.30	06:16			
	21:51	4.70	15:38	1.02		21:10		22:50	4.67	17:10	1.31		20:38		
Thur 9	10:21	4.78	04:12	0.87	05:51		Fri 24	11:28	4.50	05:45	1.10	06:18			
	22:45	4.99	16:48	0.80		21:08		23:28	4.81	17:54	1.13		20:36		
Fri 10	11:16	4.99	05:20	0.52	05:53		Sat 25	-	-	18:30	0.98		20:33		
	23:33	5.24	17:46	0.57		21:06		-	-	-	-		-		
Sat 11	12:06	5.13	06:17	0.21	05:55		Sun 26	00:02	4.91	06:54	0.80	06:21			
	-	-	18:36	0.39		21:04		12:32	4.62	19:00	0.86		20:31		
Sun 12	00:19	5.42	07:05	0.00	05:56		Mon 27	00:31	4.97	07:20	0.72	06:23			
	12:52	5.18	19:18	0.31		21:02		13:00	4.66	19:25	0.78		20:29		
Mon 13	01:03	5.49	07:48	-0.07	05:58		Tues 28	01:00	5.00	07:43	0.65	06:25			
	13:38	5.14	19:58	0.34		21:00		13:29	4.70	19:51	0.72		20:26		
Tues 14	01:48	5.46	08:30	0.00	06:00		Wed 29	01:33	5.03	08:09	0.60	06:27			
	14:24	5.02	20:38	0.45		20:58		14:02	4.73	20:20	0.71		20:24		
Wed 15	02:35	5.33	09:12	0.18	06:02		Thur 30	02:11	5.01	08:40	0.60	06:29			
	15:12	4.86	21:19	0.65		20:56		14:40	4.73	20:53	0.74		20:21		
							Fri 31	02:52	4.96	09:15	0.65	06:30			
								15:22	4.68	21:28	0.83		20:19		

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Soldiers Point (Dundalk)

### SEPTEMBER 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sat 1	03:37	4.86	09:53	0.78	06:32		Sun 16	04:39	4.51	10:52	1.18	06:59			
	16:07	4.58	22:08	0.98		20:17		17:06	4.34	23:11	1.34		19:40		
Sun 2	04:26	4.70	10:35	0.97	06:34		Mon 17	05:48	4.22	11:43	1.50	07:01			
	16:58	4.44	22:56	1.16		20:14		18:12	4.18	-	-		19:37		
Mon 3	05:21	4.50	11:27	1.19	06:36		Tues 18	07:04	4.04	00:11	1.57	07:02			
	17:57	4.31	23:54	1.33		20:12	☾	19:24	4.14	12:45	1.72		19:35		
Tues 4	06:30	4.34	12:33	1.37	06:37		Wed 19	08:18	4.03	01:27	1.66	07:04			
	19:10	4.27	-	-		20:09		20:33	4.23	14:10	1.78		19:32		
Wed 5	07:52	4.31	01:12	1.36	06:39		Thur 20	09:27	4.15	03:13	1.54	07:06			
	20:29	4.40	13:56	1.39		20:07		21:32	4.42	15:39	1.64		19:30		
Thur 6	09:09	4.47	02:40	1.19	06:41		Fri 21	10:21	4.34	04:26	1.30	07:08			
	21:36	4.68	15:23	1.22		20:04		22:21	4.62	16:40	1.41		19:27		
Fri 7	10:14	4.71	04:04	0.85	06:43		Sat 22	11:03	4.51	05:15	1.06	07:10			
	22:33	4.99	16:37	0.94		20:02		23:02	4.80	17:26	1.17		19:25		
Sat 8	11:08	4.94	05:13	0.46	06:45		Sun 23	11:36	4.64	05:53	0.85	07:11			
	23:21	5.25	17:36	0.66		20:00		23:36	4.92	18:01	0.96		19:22		
Sun 9	11:55	5.09	06:07	0.14	06:46		Mon 24	12:07	4.73	06:23	0.69	07:13			
	-	-	18:23	0.44		19:57	●	-	-	18:32	0.80		19:20		
Mon 10	00:05	5.42	06:52	-0.05	06:48		Tues 25	00:05	5.01	06:48	0.57	07:15			
	12:38	5.15	19:04	0.32		19:55		12:33	4.80	18:58	0.67		19:17		
Tues 11	00:46	5.47	07:33	-0.10	06:50		Wed 26	00:33	5.08	07:13	0.48	07:17			
	13:18	5.11	19:41	0.30		19:52		13:00	4.86	19:25	0.58		19:15		
Wed 12	01:27	5.42	08:10	0.00	06:52		Thur 27	01:06	5.12	07:41	0.43	07:18			
	13:57	5.01	20:18	0.39		19:50		13:32	4.90	19:56	0.55		19:12		
Thur 13	02:09	5.29	08:49	0.22	06:54		Fri 28	01:43	5.11	08:14	0.46	07:20			
	14:39	4.87	20:56	0.56		19:47		14:10	4.91	20:30	0.58		19:10		
Fri 14	02:54	5.07	09:27	0.51	06:55		Sat 29	02:24	5.05	08:49	0.57	07:22			
	15:23	4.71	21:37	0.80		19:45		14:53	4.85	21:07	0.69		19:07		
Sat 15	03:43	4.81	10:07	0.84	06:57		Sun 30	03:11	4.92	09:28	0.77	07:24			
	16:11	4.53	22:21	1.07		19:42		15:39	4.74	21:49	0.88		19:05		

All times are given in Local Time

All times are given in Local Time

### OCTOBER 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Mon 1	04:02	4.73	10:12	1.04	07:26		Tues 16	05:09	4.17	11:10	1.59	07:54			
	16:32	4.58	22:39	1.09		19:03		17:26	4.28	23:40	1.51		18:27		
Tues 2	05:01	4.50	11:07	1.32	07:28		Wed 17	06:26	3.98	12:08	1.82	07:55			
	17:33	4.43	23:41	1.28		19:00	☾	18:41	4.17	-	-		18:24		
Wed 3	06:15	4.32	12:16	1.52	07:29		Thur 18	07:42	3.96	00:47	1.63	07:57			
	18:49	4.36	-	-		18:58		19:53	4.19	13:19	1.90		18:22		
Thur 4	07:43	4.31	01:00	1.31	07:31		Fri 19	08:50	4.09	02:16	1.57	07:59			
	20:12	4.47	13:41	1.53		18:55		20:55	4.34	14:48	1.78		18:20		
Fri 5	09:01	4.48	02:30	1.12	07:33		Sat 20	09:46	4.31	03:38	1.35	08:01			
	21:21	4.73	15:08	1.34		18:53		21:48	4.54	15:56	1.54		18:17		
Sat 6	10:06	4.72	03:53	0.78	07:35		Sun 21	10:30	4.53	04:32	1.10	08:03			
	22:20	5.01	16:22	1.05		18:50		22:30	4.73	16:47	1.28		18:15		
Sun 7	10:58	4.94	04:59	0.43	07:37		Mon 22	11:06	4.70	05:13	0.87	08:05			
	23:09	5.23	17:20	0.77		18:48		23:06	4.89	17:26	1.03		18:13		
Mon 8	11:44	5.07	05:51	0.17	07:39		Tues 23	11:37	4.84	05:45	0.67	08:07			
	23:52	5.36	18:07	0.55		18:46		23:36	5.01	17:59	0.82		18:11		
Tues 9	12:23	5.11	06:36	0.04	07:40		Wed 24	12:04	4.94	06:14	0.51	08:09			
	-	-	18:48	0.42		18:43	●	-	-	18:30	0.65		18:09		
Wed 10	00:30	5.38	07:14	0.04	07:42		Thur 25	00:06	5.12	06:44	0.40	08:11			
	12:58	5.08	19:25	0.39		18:41		12:32	5.03	19:00	0.53		18:06		
Thur 11	01:08	5.31	07:51	0.17	07:44		Fri 26	00:40	5.18	07:16	0.37	08:13			
	13:33	5.02	20:01	0.45		18:38		13:06	5.08	19:34	0.47		18:04		
Fri 12	01:46	5.18	08:25	0.38	07:46		Sat 27	01:20	5.18	07:51	0.42	08:15			
	14:10	4.93	20:37	0.58		18:36		13:45	5.09	20:12	0.50		18:02		
Sat 13	02:28	4.98	09:01	0.65	07:48		Sun 28	01:03	5.11	07:29	0.58	07:17			
	14:51	4.81	21:16	0.78		18:34		13:30	5.03	19:52	0.61		17:00		
Sun 14	03:14	4.73	09:38	0.96	07:50		Mon 29	01:53	4.97	08:10	0.83	07:19			
	15:35	4.65	21:57	1.03		18:31		14:18	4.93	20:38	0.79		16:58		
Mon 15	04:06	4.45	10:21	1.29	07:52		Tues 30	02:48	4.77	08:57	1.12	07:21			
	16:25	4.47	22:45	1.29		18:29		15:14	4.78	21:31	0.99		16:56		
							Wed 31	03:51	4.56	09:54	1.40	07:23			
								16:18	4.64	22:34	1.14		16:54		

All times are given in Local Time

All times are given in Local Time

# Tide Tables

## Soldiers Point (Dundalk)

### NOVEMBER 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Thur 1	05:09	4.41	11:02	1.58	07:25		Fri 16	05:57	3.98	11:35	1.91	07:54			
	17:33	4.56	23:48	1.16		16:52		18:03	4.22	-	-		16:25		
Fri 2	06:32	4.41	12:22	1.59	07:26		Sat 17	07:05	4.07	00:13	1.56	07:55			
	18:53	4.64	-	-		16:50		19:09	4.27	12:44	1.87		16:24		
Sat 3	07:47	4.56	01:10	1.02	07:28		Sun 18	08:03	4.25	01:26	1.44	07:57			
	20:03	4.81	13:44	1.43		16:48		20:03	4.41	13:55	1.69		16:22		
Sun 4	08:50	4.76	02:29	0.78	07:30		Mon 19	08:50	4.47	02:30	1.23	07:59			
	21:03	5.01	14:57	1.19		16:46		20:50	4.60	14:53	1.45		16:21		
Mon 5	09:43	4.93	03:36	0.53	07:32		Tues 20	09:30	4.68	03:20	0.99	08:01			
	21:55	5.16	15:59	0.94		16:44		21:30	4.79	15:40	1.19		16:19		
Tues 6	10:28	5.04	04:30	0.37	07:34		Wed 21	10:03	4.86	04:02	0.77	08:03			
	22:40	5.23	16:50	0.75		16:42		22:05	4.96	16:21	0.94		16:18		
Wed 7	11:07	5.07	05:17	0.30	07:36		Thur 22	10:34	5.02	04:40	0.58	08:05			
	23:19	5.22	17:33	0.63		16:40	☉	22:42	5.10	17:01	0.71		16:17		
Thur 8	11:41	5.06	05:57	0.33	07:38		Fri 23	11:07	5.15	05:17	0.45	08:06			
	23:54	5.14	18:12	0.59		16:38		23:21	5.19	17:39	0.53		16:16		
Fri 9	12:12	5.03	06:33	0.45	07:40		Sat 24	11:44	5.23	05:55	0.41	08:08			
	-	-	18:47	0.61		16:37		-	-	18:17	0.43		16:14		
Sat 10	00:30	5.02	07:06	0.62	07:42		Sun 25	00:03	5.21	06:34	0.46	08:10			
	12:47	4.99	19:23	0.70		16:35		12:26	5.26	18:59	0.42		16:13		
Sun 11	01:09	4.87	07:39	0.83	07:44		Mon 26	00:50	5.15	07:15	0.61	08:12			
	13:26	4.91	20:00	0.84		16:33		13:12	5.22	19:43	0.50		16:12		
Mon 12	01:52	4.68	08:15	1.07	07:46		Tues 27	01:42	5.03	07:59	0.84	08:13			
	14:08	4.80	20:39	1.02		16:31		14:04	5.14	20:31	0.63		16:11		
Tues 13	02:40	4.46	08:54	1.33	07:48		Wed 28	02:40	4.86	08:48	1.10	08:15			
	14:54	4.64	21:23	1.22		16:30		15:02	5.02	21:23	0.79		16:10		
Wed 14	03:36	4.23	09:40	1.59	07:50		Thur 29	03:45	4.68	09:42	1.34	08:17			
	15:46	4.46	22:11	1.42		16:28		16:05	4.89	22:22	0.92		16:09		
Thur 15	04:43	4.04	10:33	1.80	07:52		Fri 30	04:57	4.55	10:44	1.51	08:18			
	16:51	4.29	23:08	1.55		16:27	☾	17:16	4.80	23:28	0.99		16:08		

All times are given in Local Time

All times are given in Local Time

### DECEMBER 2018

Date	Tide at Dundalk				Sun		Moon's Phases	Date	Tide at Dundalk				Sun		Moon's Phases
	High Water		Low Water		AM Rises H : M	PM Sets H : M			High Water		Low Water		AM Rises H : M	PM Sets H : M	
	Time H : M	Height Metres	Time H : M	Height Metres					Time H : M	Height Metres	Time H : M	Height Metres			
Sat 1	06:12	4.52	11:54	1.57	08:20		Sun 16	06:04	4.06	11:46	1.84	08:38			
	18:29	4.78	-	-		16:08		18:01	4.26	-	-		16:03		
Sun 2	07:22	4.60	00:41	0.97	08:21		Mon 17	07:06	4.15	00:17	1.46	08:39			
	19:38	4.84	13:11	1.50		16:07		19:03	4.31	12:49	1.77		16:03		
Mon 3	08:25	4.73	01:57	0.88	08:23		Tues 18	08:00	4.33	01:20	1.35	08:40			
	20:41	4.92	14:27	1.35		16:06		20:00	4.44	13:51	1.59		16:03		
Tues 4	09:21	4.85	03:07	0.77	08:24		Wed 19	08:47	4.54	02:22	1.17	08:40			
	21:37	4.99	15:33	1.17		16:06		20:50	4.63	14:50	1.35		16:03		
Wed 5	10:09	4.95	04:08	0.69	08:26		Thur 20	09:27	4.77	03:16	0.95	08:41			
	22:27	5.02	16:30	1.00		16:05		21:36	4.84	15:44	1.06		16:04		
Thur 6	10:50	5.00	04:59	0.66	08:27		Fri 21	10:07	4.99	04:07	0.74	08:42			
	23:08	4.99	17:19	0.88		16:04		22:21	5.02	16:34	0.77		16:04		
Fri 7	11:25	5.02	05:41	0.68	08:28		Sat 22	10:46	5.18	04:54	0.57	08:42			
	23:44	4.93	18:00	0.81		16:04	☉	23:06	5.15	17:20	0.53		16:05		
Sat 8	11:56	5.03	06:17	0.74	08:30		Sun 23	11:28	5.31	05:39	0.47	08:43			
	-	-	18:37	0.79		16:04		23:52	5.21	18:06	0.35		16:05		
Sun 9	00:17	4.85	06:49	0.84	08:31		Mon 24	12:12	5.39	06:21	0.46	08:43			
	12:29	5.02	19:11	0.81		16:03		-	-	18:50	0.26		16:06		
Mon 10	00:53	4.75	07:21	0.96	08:32		Tues 25	00:40	5.19	07:04	0.55	08:43			
	13:05	4.98	19:46	0.88		16:03		13:00	5.39	19:35	0.28		16:07		
Tues 11	01:33	4.63	07:55	1.10	08:33		Wed 26	01:33	5.10	07:48	0.71	08:44			
	13:44	4.91	20:21	0.99		16:03		13:52	5.33	20:22	0.37		16:07		
Wed 12	02:15	4.49	08:29	1.27	08:34		Thur 27	02:28	4.96	08:34	0.92	08:44			
	14:26	4.79	20:57	1.12		16:03		14:48	5.23	21:10	0.51		16:08		
Thur 13	03:01	4.34	09:07	1.46	08:35		Fri 28	03:29	4.79	09:24	1.14	08:44			
	15:12	4.63	21:39	1.26		16:03		15:48	5.09	22:03	0.69		16:09		
Fri 14	03:54	4.18	09:53	1.65	08:36		Sat 29	04:33	4.64	10:19	1.33	08:44			
	16:01	4.46	22:24	1.39		16:03		16:52	4.93	23:00	0.86		16:10		
Sat 15	04:56	4.07	10:48	1.79	08:37		Sun 30	05:42	4.54	11:21	1.47	08:44			
	16:58	4.32	23:18	1.47		16:03	☾	18:01	4.80	-	-		16:11		
								06:49	4.52	00:05	1.01	08:44			
								19:09	4.73	12:32	1.53		16:12		

All times are given in Local Time

All times are given in Local Time





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Gas  
Networks  
Ireland

# Natural Gas in Transport

Compressed Natural Gas Vehicle Fund Open For Applicants

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Compressed Natural Gas (CNG) in transport is a global alternative to diesel or petrol, offering a cleaner, cheaper and proven fuel solution for your fleet of trucks, buses and vans.



Cleaner



Cheaper



Proven

Gas Networks Ireland are offering fund support of up to €20,000 to businesses seeking to purchase a dedicated Natural Gas Vehicle (NGV).

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For applications email [tenders@ervia.ie](mailto:tenders@ervia.ie) quoting reference **17/029 Vehicle Fund**

[www.gasnetworks.ie/vehiclefund](http://www.gasnetworks.ie/vehiclefund)



Co-financed by the European Union  
Trans-European Transport Network (TEN-T)

# Compressed Natural Gas (CNG) Refuelling Infrastructure in Dublin Port

The first Compressed Natural Gas (CNG) HGVs have landed in Ireland: over two years of planning and preparation has come to fruition, and soon the first publicly accessible CNG refuelling station in Ireland will open to customers in Dublin Port.

In early 2017, Gas Networks Ireland announced the development of a new transport energy network - 70 Compressed Natural Gas (CNG) refuelling stations located around Ireland. The new network will be aimed primarily at commercial users, giving them the opportunity to invest in a low or zero carbon fleet for the first time.



Shortly after this initial announcement, Gas Networks Ireland announced the roll-out of a Compressed Natural Gas Vehicle Fund to support haulage companies to invest in new CNG-powered commercial vehicles. The fund offers grants of up to €20,000 per vehicle to cover the cost of purchasing a CNG ready vehicle. The fund applies to HGVs, busses, and vans.

In the intervening period, Gas Networks Ireland has been working to roll out the CNG refuelling network. Construction has been completed on Ireland's first publicly-accessible CNG refuelling facility, in partnership with Topaz, in Dublin Port, with the facility due to become operational shortly. This fast-fill facility will have the capacity to refuel a large number of commercial HGVs daily, along with vans and cars also.

## A Low Carbon Transport Energy Solution

"Gas Networks Ireland is building a brand new commercial transport network for Ireland," explained Denis O'Sullivan, Head of Commercial, Gas Networks Ireland. "Since announcing the project in January 2017, we have already seen significant interest both from potential forecourt operators and also haulage operators. It is very clear that the appetite exists in the market for a low carbon transport energy solution."

Vehicle manufacturers have been quick to respond to the Gas Networks Ireland project, with major brands such as Scania and Iveco introducing CNG vehicles into the Irish market to capitalise on what is likely to be a strong take-up of the technology. CNG vehicles offer excellent fuel

economy, low maintenance costs and similar ranges to diesel powered HGVs.

With many companies looking to meet internal or customer led targets for emissions reductions, there is a very clear demand in the market for a reliable low carbon alternative transport fuel. CNG vehicles offer CO<sub>2</sub> emission reductions of up to 22%, along with a 99% reduction in particulate matter, when compared to their diesel alternatives. The same vehicles will also run on Renewable Gas, a project which Gas Networks Ireland is currently developing. Renewable Gas, made from animal and municipal waste, will be 100% carbon neutral.

A proven technology, CNG is natural gas which has been compressed to fit into a vehicle's tank and is particularly suitable for use in commercial vehicles, including trucks, buses and vans. As an alternative to diesel or petrol as a fuel for transport, it provides the greatest benefits for operators and owners of the vehicles through both the reduction of harmful emissions and the generation of considerable fuel cost savings of up to 35%.

For more details, contact 1850 411511 or email [cng@gasnetworks.ie](mailto:cng@gasnetworks.ie). For further information on the Gas Networks Ireland Compressed Natural Gas Vehicle Fund, please visit the Gas Networks Ireland website. [www.gasnetworks.ie](http://www.gasnetworks.ie).

The Causeway Project, supporting the installation of the new CNG network, is co-financed by Gas Networks Ireland and the European Union's Connecting Europe Facility.



# BRIDGES OF DUBLIN

- everything you ever wanted to know about Dublin's bridges

Have you ever wondered how many bridges cross the River Liffey or which one is the oldest? Well, wonder no more, answers to these questions and many more can be found on Dublin City Council's website: [www.bridgesofdublin.ie](http://www.bridgesofdublin.ie).

Bridges of Dublin was designed to showcase Dublin's unique bridge infrastructure. The site provides a range of information running to over 90,000 words covering the history, design, engineering and interesting facts for each of the current 23 bridges. A spectacular digital archive contains more than 900 photos from the historic to the modern, some of which have never been seen on public display. Sources include the Dublin City Library & Archive, National Gallery, National Library of Ireland, Dublin Port, Fáilte Ireland and the Guinness Archive.

The website provides an opportunity for all to learn about our rich bridge heritage, from the oldest, Mellows Bridge built in 1688, to the more recently constructed Rosie Hackett Bridge, opened in 2014.

The website won the Best Government and Local Government category at the Irish Web Awards 2013. It was the second year in a row that the Council won the publicly judged award.



## Interesting facts:

- The force on the back cables of the Samuel Beckett Bridge is equivalent to a people load of over 80,000 - a Croke Park full house.
- Island Bridge was originally named Sarah Bridge for Sarah Fane, Countess of Westmorland.
- The keystones on the centre arches of O'Connell Bridge represent Anna Liffey looking westwards and the Atlantic gazing eastwards towards the sea.



Comhairle Cathrach  
Bhaile Átha Cliath  
Dublin City Council

# Dublin Port Company

# **Services Guide 2018**

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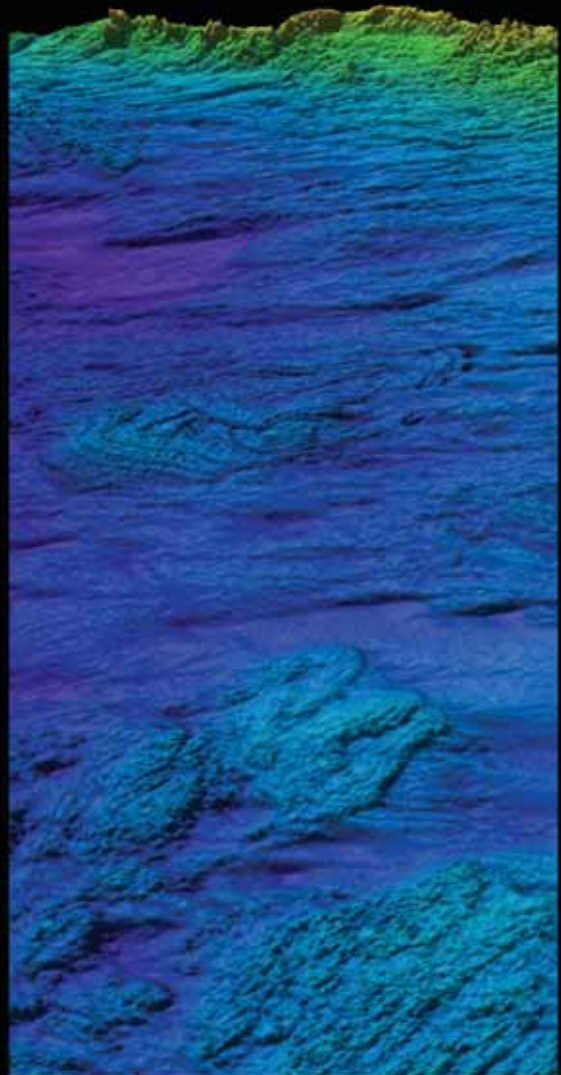
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	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES	WED	THU	FRI
January	1 New Year's Day Public Holiday	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
February				1	2	3	4	5	6	7	8	9	10	11	12	13	14 Saint Valentine's Day	15	16
March				1	2	3	4	5	6	7	8	9	10	11 Mother's Day	12	13	14	15	16
April							1 Easter Sunday	2 Easter Monday Public Holiday	3	4	5	6	7	8	9	10	11	12	13
May		1	2	3	4	5	6	7 Public Holiday	8	9	10	11	12	13	14	15	16	17	18
June					1	2	3	4 Public Holiday	5	6	7	8	9	10	11	12	13	14	15
July							1	2	3	4	5	6	7	8	9	10	11	12	13
August			1	2	3	4	5	6 Public Holiday	7	8	9	10	11	12	13	14	15	16	17
September						1	2	3	4	5	6	7	8	9	10	11	12	13	14
October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
November				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
December						1	2	3	4	5	6	7	8	9	10	11	12	13	14
	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES	WED	THU	FRI



# Planner

SAT	SUN	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES		
20	21	22	23	24	25	26	27	28	29	30	31								<b>January</b>
17	18	19	20	21	22	23	24	25	26	27	28								<b>February</b>
17 <small>Saint Patrick's Day</small>	18	19 <small>Public Holiday</small>	20	21	22	23	24	25 <small>Summer Time begins</small>	26	27	28	29	30 <small>Good Friday</small>	31					<b>March</b>
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			<b>April</b>
19	20	21	22	23	24	25	26	27	28	29	30	31							<b>May</b>
16	17 <small>Father's Day</small>	18	19	20	21	22	23	24	25	26	27	28	29	30					<b>June</b>
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<b>July</b>
18	19	20	21	22	23	24	25	26	27	28	29	30	31						<b>August</b>
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				<b>September</b>
20	21	22	23	24	25	26	27	28 <small>Summer Time Ends</small>	29 <small>Public Holiday</small>	30	31 <small>Halloween</small>								<b>October</b>
17	18	19	20	21	22	23	24	25	26	27	28	29	30						<b>November</b>
15	16	17	18	19	20	21	22	23	24	25 <small>Christmas Day Public Holiday</small>	26 <small>Saint Stephen's Day Public Holiday</small>	27	28	29	30	31			<b>December</b>
SAT	SUN	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES	WED	THU	FRI	SAT	SUN	MON	TUES		

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