PROJECT

Port of Waterford Navigation Maintenance Dredging Programme 2026-2033, Port of Waterford, Co. Waterford

SCOPE

Marine Mammal Observation Report

LICENCE NO(S).

LIC230025

CLIENT

Port of Waterford

PREPARED BY

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Contents

Table of Figures iii
Table of Plates iii
Table of Tables iii
Executive Summary 1
1. Introduction 2
1.1 Project Duration 2
1.2 Legislation 2
1.3 Location 3
1.4 Scope of Works 4
2. Marine Mammal Observation at Port of Waterford 5
2.1 Project specific mitigation 5
2.2 Special Areas of Conservation (SACs) 5
2.3 Datasets 6
2.4 Marine mammals at Port of Waterford 6
2.4.1 Cetaceans 6
2.4.2 Pinnipeds 13
2.4.3 Other 17
2.5 Details of Marine Mammal Observers 18
2.6 Platforms involved in the project 18
3. Details of the observation platform used for marine mammal monitoring 19
4. Details of all sound-producing operations undertaken during the period of works 19
5. Details of monitoring watches conducted for marine mammals 20
6. Details of Marine Mammal and Basking Shark Sightings Recorded 20
6.1 Details of sightings recorded during monitored watches 20
6.2 Details of all marine mammal sightings recorded outside of monitoring watches (e.g., incidental observations), including records from additional personnel on board 20
7. Details of any problems encountered during marine mammal monitoring, start-up procedures, ramp-up (soft-start) procedures or during full scale operations 20
8. Conclusions 21
9. References 21
10. Appendices 25
10.1 Appendix I – Monitoring Data 25
10.2 Appendix II – Operation Data 36
10.3 Appendix III – Sighting List Data 48
10.4 Appendix IV – Sighting Data 49

Table of Figures

Figure 1: Site location map. 4
Figure 2: Distribution of recorded bottlenose dolphins in Irish waters (The National Biodiversity Data Centre, 2024). 8
Figure 3: Distribution of recorded common dolphins in Irish waters (The National Biodiversity Data Centre, 2024). 9
Figure 4: Distribution of recorded harbour porpoises in Irish waters (The National Biodiversity Data Centre, 2024). 10
Figure 5: Distribution of recorded minke whales in Irish waters (The National Biodiversity Data Centre, 2024) 12
Figure 6: Distribution of recorded fin whales in Irish waters (The National Biodiversity Data Centre, 2024). 13

Table of Plates

Plate 1: Bottlenose dolphins (NWPS National Biodiversity Data Centre 2023). 8
Plate 2: Common dolphins (Mizen Archaeology 2022). 9
Plate 3: Harbour Porpoise. Image from Photo from National Biodiversity Data Centre (NWPS National Biodiversity Data Centre, 2018). 10
Plate 4: Minke whale (Mizen Archaeology, 2022). 11
Plate 5: Fin whale (Mizen Archaeology, 2022). 12
Plate 6: Harbour seal (Mizen Archaeology, 2023) 16
Plate 7: Grey seal (Mizen Archaeology, 2020) 16
Plate 8: Basking shark (Mizen Archaeology 2022). 17
Plate 9: Otter (Mizen Archaeology 2020). 18
Plate 10: View of dredger Freeway, with arrow denoting MMO location. 18

Table of Tables

Table 1: List of Cetacean species that have been recorded in Irish waters. Species that may be sighted near Port of Waterford are highlighted in bold. Data from Reid, et al., 2003. 6
Table 2: Results of thermal-imaging seal survey and prior seal surveys encompassing Co. Wicklow. Table created from data in Duck & Morris 2019, pp.5. 14

Executive Summary

Mizen Archaeology was contracted by the *Port of Waterford* to undertake Marine Mammal Observation of dredging operations associated with maintenance dredging works carried out under Maritime Usage Licence LIC230025. Disposal operations were permitted under Disposal at Sea Permit Reg. No. S0012-05. Dredging operations were undertaken by *Boskalis*.

Sound-producing works were carried out between 15 and 24 April 2026. The operations comprised dredging and disposal activities at several locations within the remit of the Port of Waterford.

A total monitoring effort of 101 hours and 28 minutes was accrued over the course of the project by dedicated MMOs trained to JNCC standards.

Works were carried out during both daylight and night-time hours. Monitoring was undertaken during daylight hours only.

Following the *Guidance to Manage the Risk to Marine Mammals from Man-made Sound Sources in Irish Waters* (2014), a 30-minute pre-start watch was undertaken prior to sound-producing activities. If marine mammals were observed within the mitigation zone (500m), operations were delayed until the mitigation zone had remained clear for 30 minutes. Once operations commenced, no mitigation was required if marine mammals entered the mitigation zone.

A total of 23 marine mammal sightings were recorded during the project. Basking sharks accounted for the majority of sightings, with 14 sightings recorded both within and beyond the mitigation zone. No shutdowns of dredging operations were required due to marine mammal presence within the mitigation zone. However, temporary reductions in vessel speed were implemented on occasion in response to basking shark activity in the vicinity of the dredging and disposal operations.

Compliance with National Parks and Wildlife Service (NPWS) guidance and the Maritime Usage Licence conditions was achieved throughout the project.

1. Introduction

This report presents the results of Marine Mammal Observation (MMO) undertaken during dredging and disposal at sea operations associated with maintenance dredging works at the Port of Waterford under Maritime Usage Licence LIC230025. *Boskalis* was the main contractor for the dredging works. *Mizen Archaeology* was engaged to undertake marine mammal observation (MMO) during the project.

1.1 Project Duration

The project ran from 15–24 April 2026 and included dredging and disposal at sea operations. Sound-producing activities took place during both daylight and night-time hours.

1.2 Legislation

Legislation relating to the protection of marine mammals is set out by the Minister for Arts, Heritage and the Gaeltacht as official guidelines and codes of practice under Regulation 71 of the European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. No. 477 of 2011). The Habitats Directive applies within Ireland's 200 nautical mile limit for the protection of species and to the Continental Shelf for habitats.

All marine mammals are protected wild animals under the Fifth Schedule of the Wildlife Act 1976 (as amended), which includes all cetacean and seal species. Under Section 23 of the Act, it is an offence to kill, injure or wilfully interfere with protected wild animals or to damage or destroy their breeding or resting places. Under these regulations, all marine mammal species normally occurring in Ireland must be protected and Special Areas of Conservation (SACs) must be afforded appropriate conservation measures.

Due to the potential detrimental effects of certain sound-producing activities on marine mammals, the National Parks and Wildlife Service (NPWS) advises that every effort should be made by marine users and operators to minimise the duration and energy output of anthropogenic sound sources and to improve technical efficiencies in order to reduce unnecessary acoustic disturbance within the marine environment.

The Guidance to Manage the Risk to Marine Mammals from Man-made Sound Sources in Irish Waters (NPWS, 2014) outlines sound-producing work types, the risks associated with such activities and appropriate mitigation measures. The guidance relating to dredging operations is reproduced below:

Dredging

The excavation of sand, gravel, loose rock and other material from the seabed during dredging operations is common, particularly in coastal waters where harbour works and channel maintenance commonly require such activity. Many different types of dredging device are in operation worldwide ranging from hopper dredges to suction-, bucket- or grab-type arrangements.

In addition to the sound from attendant vessels, dredging operations have been reported to produce low frequency omnidirectional sound of several tens of Hz to several thousand Hz (and up to approximately 20 kHz) at sound pressure levels of 135-186 dB re: 1 µPa3,44,45. Therefore some coastal dredging operations can be detected at received levels (RL) exceeding ambient sound more than 10km from shore3. While sound exposure levels from such operations are thought to be below that expected to cause injury to a marine mammal, they have the potential to cause lower level disturbance, masking or behavioural impacts, for example.

Dredging activity tends to occur in a fixed area for a prolonged period of days or weeks. Therefore it has the potential to introduce continuous anthropogenic sound at levels that may impact upon marine mammal individuals and/or local populations and the risk of acoustic impacts associated with this activity should be considered to ensure good environmental management. (NPWS 2014, pp.14).

1.3 Location

The works comprised dredging within three main areas:

- Cheekpoint lower Bar, directly north of the village of Cheekpoint, Co. Waterford.
- O' Brians Quay, the main port terminal
- Duncannon Bar, located in the main estuary.

The disposal site was located at the entrance to the estuary. The sailing distance to the disposal site was approximately 9.1km from Duncannon Bar and approximately 21km from Cheekpoint Lower Bar.

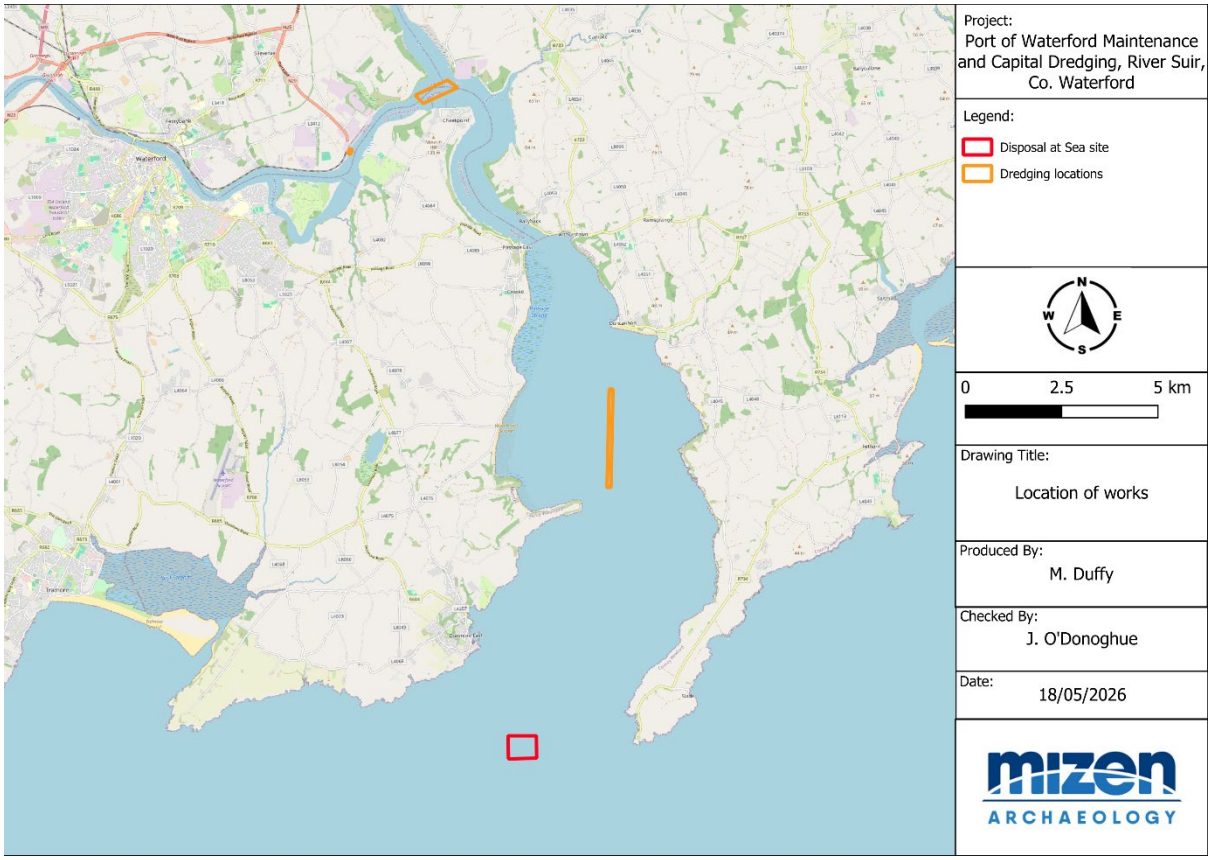

Figure 1: Site location map.

1.4 Scope of Works

The scope of works comprised marine mammal monitoring during maintenance dredging activities at the Port of Waterford for the period 2023–2028. Overflowing of dredged material was not permitted under the contract.

The design dredge level was -7.0m CD, subject to insurvey confirmation. Approximately 20,000m³ of sediment from Cheekpoint Lower Bar, 150,000m³ from Duncannon Bar, and a single dredging campaign at Belview Berth were to be removed and disposed of at a designated disposal site west of Hook Head.

Dredging operations commenced only once the MMO had completed a 30-minute pre-start watch and confirmed the 500m mitigation zone to be clear of marine mammals. The presence of marine mammals within 500m of the dredging vessel resulted in a delay to operations until the animal had moved beyond the mitigation zone or had not been observed within the mitigation zone for a period of 30 minutes.

In order to facilitate continuation of dredging activities during periods of darkness, transits between the dredging area and the disposal site were considered part of the active dredging campaign.

Accordingly, following completion of the initial pre-start watch and commencement of dredging, additional pre-start watches were not required unless activities ceased and the vessel berthed, including for crew transfer, bunkering or weather-related delays.

2. Marine Mammal Observation at Port of Waterford

2.1 Project specific mitigation

Conditions laid out in the Maritime Usage Licence (LIC230025) for the dredging works are reproduced hereunder:

24. Marine Mammals

(i) The Holder shall appoint a marine mammal observer(s) for the purposes of overseeing the Permitted Maritime Usage with Trailing Suction Hopper Dredger and Mechanical Dredger. The Holder shall ensure the marine mammal observer(s) shall satisfy the requirements of the most up to date national guidance. During the activity the Holder shall comply with the directions of the marine mammal observer(s).

(ii) The Holder shall implement risk control and mitigation measures for marine mammals in strict accordance with the most up to date national guidance.

(iii) The Holder shall, within 30 days of the completion of the Permitted Maritime Usage, forward a report of the marine mammal observer(s) operations and mitigation undertaken, to offshore@npws.gov.ie and compliance@mara.gov.ie

(iv) The Holder shall publish the report and recording and data forms on their website within 60 days of completion of the Permitted Maritime Usage unless otherwise agreed with the Grantor

Reason: To ensure protection of the marine environment and protected species.

2.2 Special Areas of Conservation (SACs)

The EU Habitats Directive lists certain habitats and species that must be protected within Special Areas of Conservation. Protected habitats include bogs, sand dunes, heaths, lakes, rivers, woodland, estuaries and sea inlets. Of the EU Habitats Directive protected species, 25 are found in Ireland and mammals include otter (*Lutra lutra*), bottlenose dolphin (*Tursiops truncatus*), grey seals (*Halichoerus grypus*) and harbour seals (*Phoca vitulina*).

The River Barrow and River Nore SAC is designated for otter (*Lutra lutra*) [1355], which is considered relevant to the proposed works.

While not within the SAC itself, the dump site is located adjacent to Hook Head SAC, where common bottlenose dolphins (*Tursiops truncatus*)[1349] and harbour porpoise (*Phocoena phocoena*) [1351] are qualifying interests.

2.3 Datasets

Three principal datasets for marine mammals in Irish waters were utilized to establish the distribution and occurrence of species likely to be sighted during the period of works:

- The National Biodiversity Data Centre (NBDC) online database of species (accessed at www.biodiversityireland.ie on 28 March 2025).
- Online databases of sightings of marine mammals from Ireland-specific marine mammal research groups (accessed *www.iwdg.ie*)
- The National Parks and Wildlife Service (NPWS) database of seal sightings, which collects data on all seal sightings and seal population surveys from 1960-2013 with over 5,450 sightings recorded for the island.

Other documents providing site-specific contextual information included:

- Appendix 4 of the National Parks and Wildlife Service (NPWS) guidance document (2013) which provides generalised maps of marine mammal distribution and habitat in Irish waters.

2.4 Marine mammals at Port of Waterford

2.4.1 Cetaceans

Twenty-four cetacean species are known to occur in Irish waters. Ten are considered year-round residents, while six are considered seasonal, and six others are considered vagrant or rare (Reid *et al.*, 2003). Harbour porpoise and bottlenose dolphins are listed on the EU Habitats Directive Annex II, while all other cetaceans are listed on the EU Habitats Directive Annex IV (Habitats Directive, 2020).

Table 1: List of Cetacean species that have been recorded in Irish waters. Species that may be sighted near Port of Waterford are highlighted in bold. Data from Reid, et al., 2003.

Species	Presence in Irish waters	Reference
Harbour porpoise	Year round	Reid 2003; NPWS.ie, n.d.
Bottlenose dolphin	Year round	Reid 2003; NPWS.ie, n.d.
Common dolphin	Year round	Reid 2003; NPWS.ie, n.d.

Risso's dolphin	Year round	Reid 2003; NPWS.ie, n.d.
White beaked dolphin	Year round	Reid 2003; NPWS.ie, n.d.
Atlantic white sided dolphin	Year round	Reid 2003; NPWS.ie, n.d.
Killer whale	Year round	Reid 2003; NPWS.ie, n.d.
Northern bottlenose whale	Year round	Reid 2003; NPWS.ie, n.d.
Long finned pilot whale	Year round	Reid 2003; NPWS.ie, n.d.
Sperm whale	Year round	Reid 2003; NPWS.ie, n.d.
Cuvier's beaked whale	Possibly year round	Reid 2003; NPWS.ie, n.d.
Sowerby's beaked whale	Possibly year round	Reid 2003; NPWS.ie, n.d.
Minke whale	Seasonal	Reid 2003; NPWS.ie, n.d.
Blue whale	Seasonal	Reid 2003; NPWS.ie, n.d.
Fin whale	Seasonal	Reid 2003; NPWS.ie, n.d.
Sei whale	Seasonal	Reid 2003; NPWS.ie, n.d.
Humpback whale	Seasonal	Reid 2003; NPWS.ie, n.d.
Striped dolphin	Seasonal	Reid 2003; NPWS.ie, n.d.
Northern right whale	Rarely occurring/vagrant	Reid 2003; NPWS.ie, n.d.
Bowhead whale	Rarely occurring/vagrant	IWDG 2023
Beluga	Rarely occurring/vagrant	Reid 2003; NPWS.ie, n.d.
False killer whale	Rarely occurring/vagrant	Reid 2003; NPWS.ie, n.d
Gervais' beaked whale	Rarely occurring/vagrant	Reid 2003; NPWS.ie, n.d.
True's beaked whale	Rarely occurring/vagrant	Reid 2003; NPWS.ie, n.d.
Pygmy sperm whale	Rarely occurring/vagrant	Reid 2003; NPWS.ie, n.d.

Bottlenose dolphin (Tursiops truncatus)

Bottlenose dolphins are a large, robust dolphin and are the most prevalent dolphin species to be seen along the Irish east coast. They seem to be attracted to vessel activity, making them potentially vulnerable to physical harm from industrial activities. Results from SCANS III estimated that there were 288 bottlenose dolphins in the Irish and Celtic seas (Hammond, et al. 2018).

There have been 6 reported sighting of bottlenose dolphins in proximity to the works during the 12 months prior to this survey (Irish Whale and Dolphin Group, 2026).

Plate 1: Bottlenose dolphins (NWPS National Biodiversity Data Centre 2023).

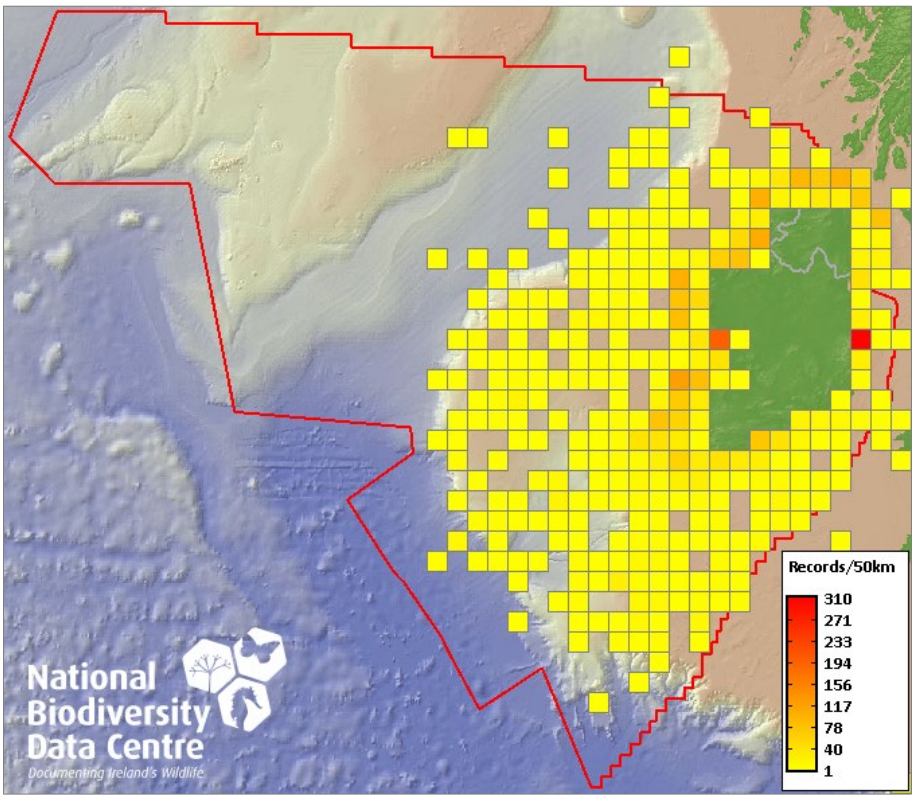

Figure 2: Distribution of recorded bottlenose dolphins in Irish waters (The National Biodiversity Data Centre, 2024).

Common dolphin (Delphinus delphis)

Common dolphins are not commonly occurring cetaceans in the waters around busy ports due to their typical avoidance behaviour to excessive ambient noise (Berrow, et al. 2023). Offshore, however, they are one of the more abundant and sighted mammals in Irish waters, particularly along the south coast

(Wall, et al. 2013). While there are greater concentrations of these dolphins in deeper waters offshore past the continental shelf, there are high levels of activity in shallower waters during winter months when they follow prey species inshore (Macleod, et al. 2009)(Berrow and O'Brien, 2015; Berrow and Whooley, 2010; Charif and Clark, 2009; Ó Cadhla and Strong, 2007; Whooley et al., 2011)

There have been 28 reported sightings of common dolphins in proximity to works in the 12 months prior to this survey (IWDG, 2026).

Plate 2: Common dolphins (Mizen Archaeology 2022).

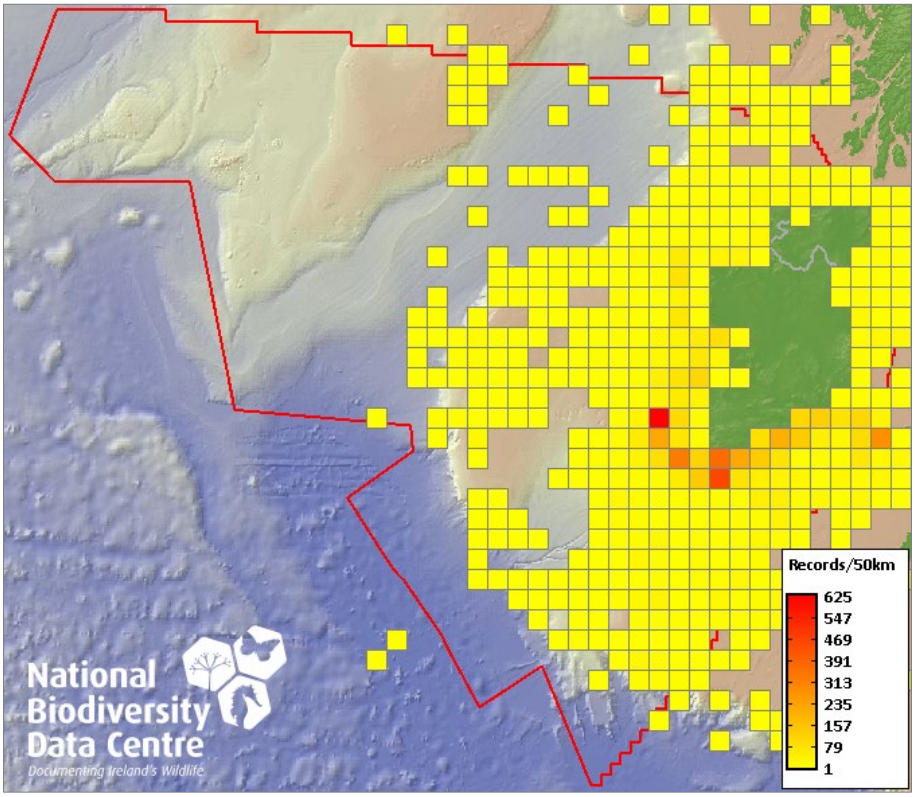

Figure 3: Distribution of recorded common dolphins in Irish waters (The National Biodiversity Data Centre, 2024).

Harbour Porpoise *(Phocoena phocoena)*

The harbour porpoise is abundant inshore along the south and southwest coasts and they breed in Irish waters. Offshore movements between March and June may relate to calving behaviour. Large numbers have been noted off the south coast of Ireland in the autumn months (O'Brien and Berrow, 2015).

There were 15 reported sightings of harbour porpoises in the works area in the last year (IWDG, 2026).

Plate 3: Harbour Porpoise. Image from National Biodiversity Data Centre (NWPS National Biodiversity Data Centre, 2018).

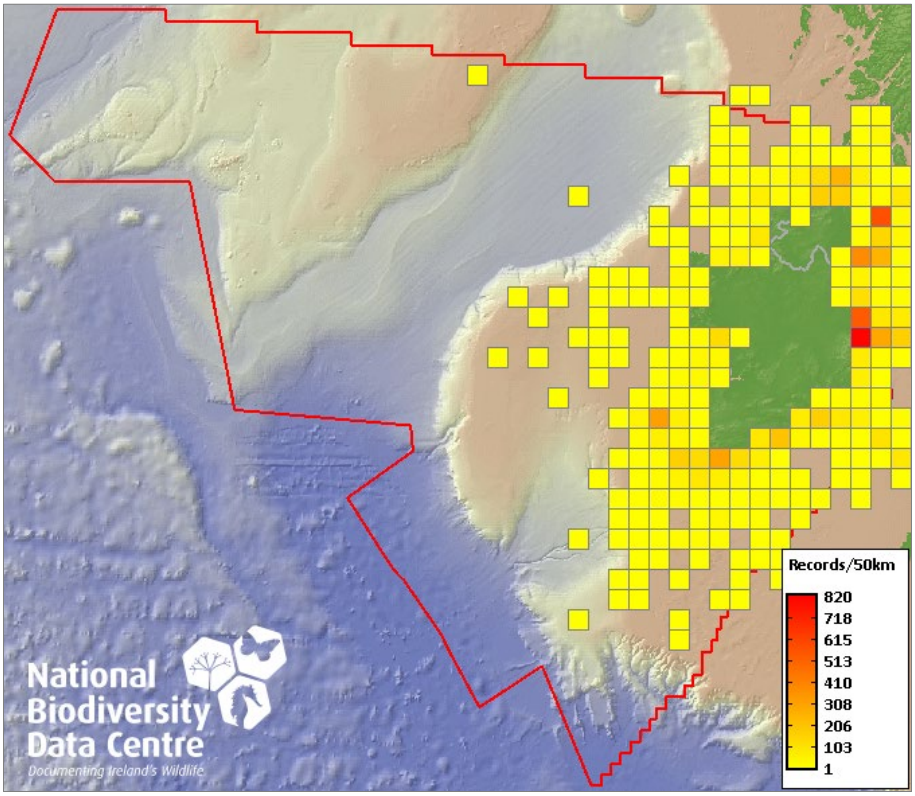

Figure 4: Distribution of recorded harbour porpoises in Irish waters (The National Biodiversity Data Centre, 2024).

Minke Whale *(Balaenoptera acutorostrata)*

Minke whales are mainly present from April to November along all Irish coasts but tend to be predominantly located on the south and southwest of Ireland (Reid *et al.* 2003; Berrow *et al.* 2010). There was 1 recorded sighting of minke whales in the vicinity of the works area in the 12 months prior to dredging works (IWDG, 2026).

Minke whales are the most frequently recorded baleen whales in Irish waters and can be seen off most headlands around the whole island throughout the year, although they tend to be more prevalent in the south and west and during the months of May and October (Charif and Clark, 2009).

Plate 4: Minke whale (Mizen Archaeology, 2022).

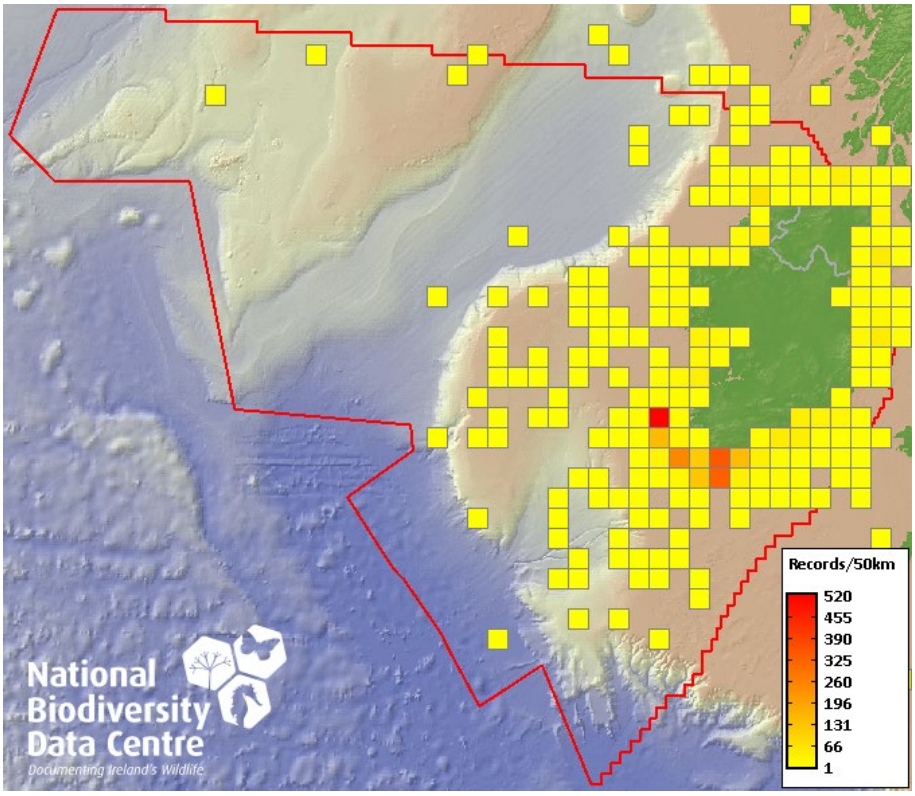

Figure 5: Distribution of recorded minke whales in Irish waters (The National Biodiversity Data Centre, 2024)

Fin whale *(Balaenoptera physalus)*

Fin whales forage from June to February off the south coast of Ireland, generally moving eastwards over the season following the movements of sprat and herring (Healy et al., 2013). The high level of site fidelity and inter-annual occurrence of individuals along the southern Irish coast indicate that these inshore waters are an important foraging habitat for fin whales (Whooley *et al.* 2011).

There were no recorded sightings of fin or other large whales in proximity to the dredging area in the 12 months prior to the works (IWDG, 2026).

Plate 5: Fin whale (Mizen Archaeology, 2022).

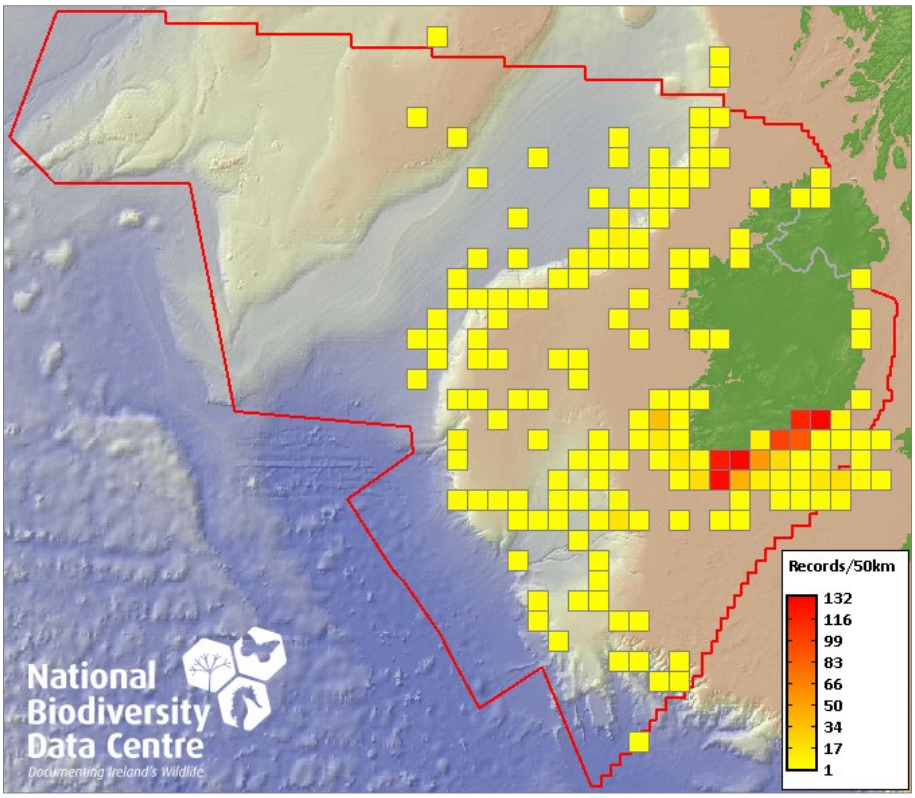

Figure 6: Distribution of recorded fin whales in Irish waters (The National Biodiversity Data Centre, 2024).

2.4.2 Pinnipeds

The two main types of seals found in Ireland are the Grey seal (*Halichoerus grypus*) and the Harbour/Common Seal (*Phoca vitulina*). These two types make up a majority of findings all along the Irish coast. These mammals are listed as E.U. Directive Annex II species and are protected in all EU waters (Habitats Directive, 2020).

Grey seals prefer remote haul-out sites including rocky coasts, beaches, uninhabited islands and sea caves. Grey seal haul-outs can be found on all coasts of Ireland, although their distribution on the east coast is likely lower due to human disturbances. Grey seal pups are born between September to December, and moulting takes place between November and April (O'Cadhla & Strong, 2008).

Harbour seals are the smaller of the two species and prefer sand or mudflats as their haul-out locations. Similar to grey seals, they prefer the west coast due to less human interference. Breeding takes place in June and moulting in July and August (*common seal*- NPWS, 2023).

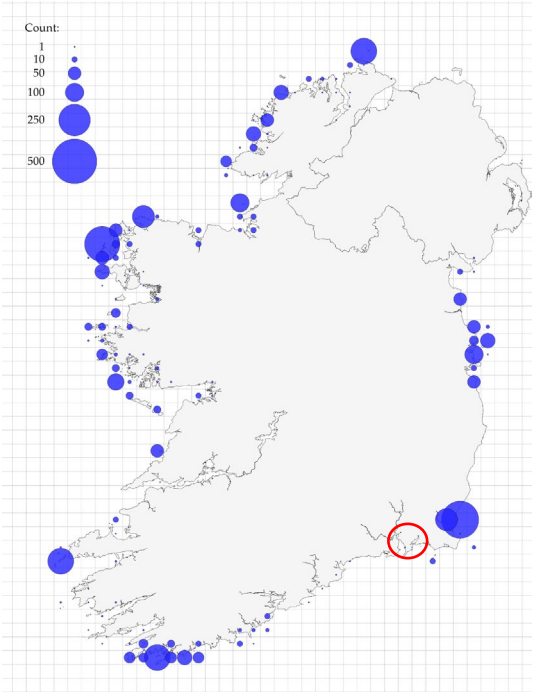

Figure 7: Grey seal survey seal distribution. General area of survey location highlighted in red. From Duck & Morris 2019, pp.20.

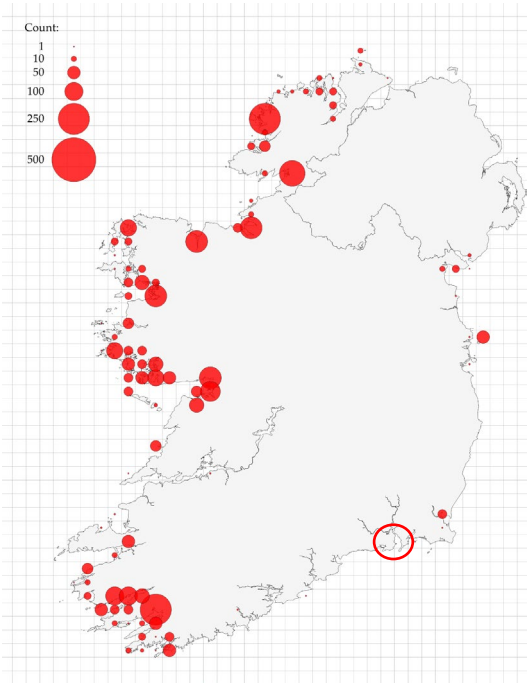

Figure 8: Harbour seal survey seal distribution. General area of survey location highlighted in red. From Duck & Morris 2019, pp.13.

Table 2: Results of thermal-imaging seal survey and prior seal surveys encompassing Port of Waterford. Table created from data in Duck & Morris 2019, pp.5.

Area	Harbour seals 2003	Harbour seals 2011/2012	Harbour seals 2017/2018	Grey seals 2003	Grey seals 2011/2012	Grey seals 2017/2018
South-east	18	53	34	189	243	792

The National Biodiversity Data Centre compiles various data sources, including citizen scientist sightings, to create constantly updated species distribution maps (National Biodiversity Centre, 2025). Information for grey and harbour seal sightings reveal that grey seals sightings are much more abundant along the east coast compared to harbour seals.

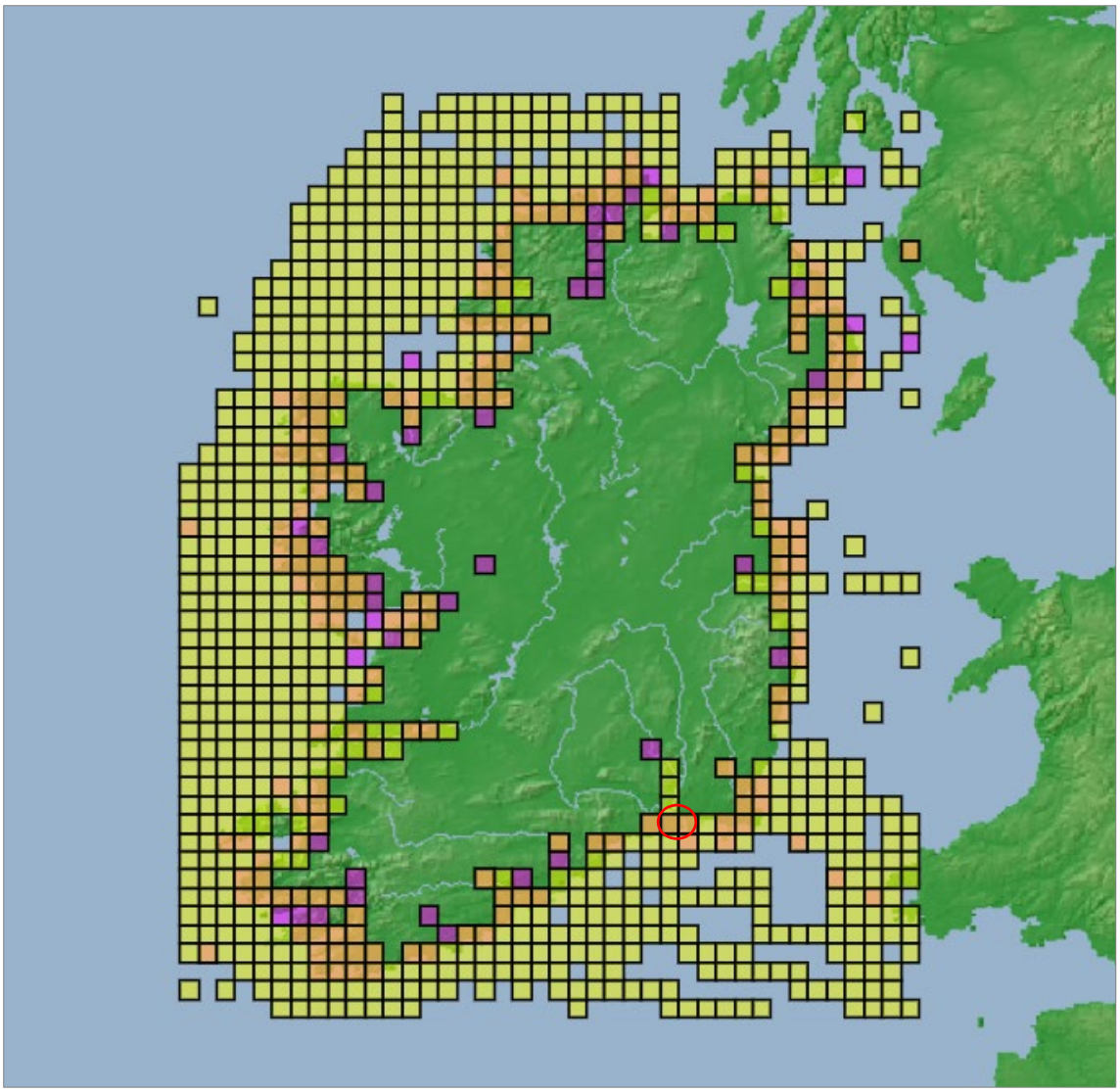

Figure 9: Grey seal (yellow) and harbour seal (purple) sightings distribution (NBDC, 2024). Survey area circled in red.

Harbour seal *(Phoca vitulina)*

Harbour seals are the smaller of the seal species found in Ireland. They prefer sandy beaches for hauling out and breeding. Harbour seals also prefer more isolate areas with lower human populations. Breeding takes place in June and moulting in July and August (*common seal*-NPWS, 2023). Surveys of harbour seal populations in 2003, 2012 and 2018 by Duck and Morris show that the harbour seal population decreased by 25% in numbers in 2012 and having rebounded to 2003 numbers by 2018 in the south-east (Duck & Morris 2019). (Duck & Morris, 2019).

Plate 6: Harbour seal (Mizen Archaeology, 2023)

Grey seal *(Halichoerus grypus)*

Grey seals breed on exposed rocky shores, on sand bars or in sea caves with ready access to deep water. Other haul-out areas for the grey seal are located on exposed rocky areas or steeply shelving sandbanks (Ó Cadhla *et al*. 2008). Grey seals have a wide foraging range and distribution and have been known to use feeding/foraging sites more hundreds of kilometres from haul-out sites. Feeding sites are impacted by available prey (Cronin, 2011). Duck and Morris note that grey seals numbers decreased in 2012, before fully recovering and nearly doubling the population from 2012 (Duck & Morris, 2019).

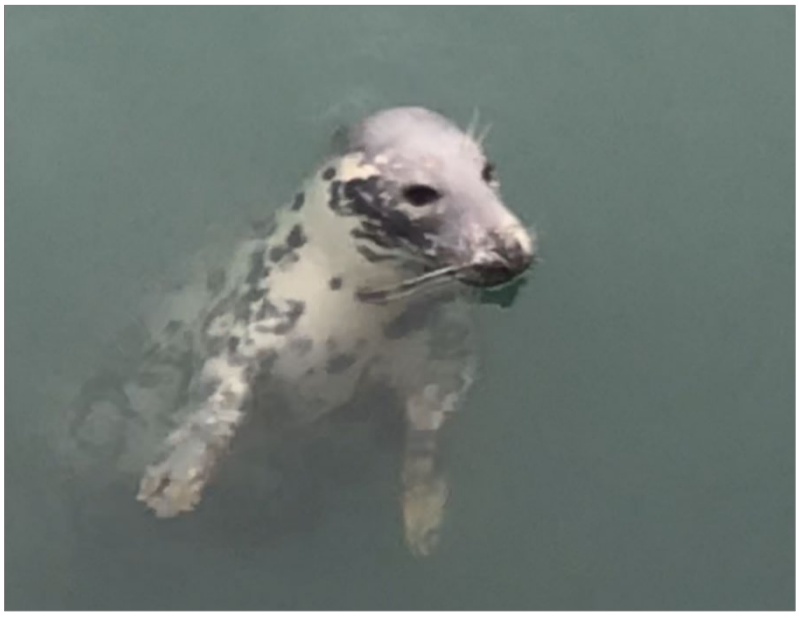

Plate 7: Grey seal (Mizen Archaeology, 2020)

2.4.3 Other

While they are not mammals, basking sharks are the second-largest shark in the world and are one of three plankton-eating species. Basking sharks are migratory and are present in Irish waters from April to September, often in shallow coastal habitats. They are listed as 'endangered' on the IUCN since 2019 (Laspougeas and Curd, 2015). Basking sharks are protected in Ireland under the Wildlife Act 1976: Protection of Wild Animal: Regulations 2022 (Department of Housing, Local Government and Heritage. 2022).

Basking sharks (Cetorhinus maximu)

Basking sharks visit the Irish coast during late spring to late summer, surface feeding on plankton in warmer waters and are often seen close to shore (McInturf et al., 2023). Large groups of basking sharks tend to congregate on Ireland's west coast during the summer.

Plate 8: Basking shark (Mizen Archaeology 2022).

Otter (Lutra lutra)

Otters are listed on the Annex II of the E.U. Habitats Directive. Otters in Ireland are occasionally seen in saltwater habitats, but they do require a freshwater source. Home ranges range from 20 to 32km and is dependent on the abundance of prey. Otters are mainly nocturnal creatures and so require safe refuges, known as holts, in which to rest during the day. An otter's territory will typically contain several holts as well as temporary resting sites, known as couches (Kruuk, 2006).

Plate 9: Otter (Mizen Archaeology 2020).

2.5 Details of Marine Mammal Observers

Marine mammal observation was undertaken by experienced JNCC-trained MMO Malachy McLaughlin.

2.6 Platforms involved in the project

The bridge of the trailing suction hopper dredger Freeway was used throughout the dredging and disposal operations, as it was approximately 12m above sea level and provided a clear view of both dredging and disposal activities. The arrow denotes the primary MMO observation position.

Plate 10: View of dredger Freeway, with arrow denoting MMO location.

3. Details of the observation platform used for marine mammal monitoring

Monitoring shifts during dredging operations were undertaken from the bridge and surrounding platform of the Freeway. This location provided the MMO with unrestricted views of the surrounding area.

Monitoring shifts took place during daylight hours and under favourable weather conditions.

4. Details of all sound-producing operations undertaken during the period of works

All sound-producing activities comprised dredging and disposal operations, which required a mitigation zone of 500m.

A single formal commencement of sound-producing activities required a pre-start watch. All subsequent watches were conducted while dredging, disposal or transit activities were already underway. Operations took place during both daylight and night-time hours.

In order to facilitate continuation of dredging activities during periods of darkness, transits between the dredging area and the disposal site were considered part of the active dredging campaign. Accordingly, following completion of the initial pre-start watch and commencement of dredging, additional pre-start watches were not required unless activities ceased and the vessel berthed, including for crew transfer, bunkering or weather-related delays.

While additional formal pre-start watches were not considered necessary during routine dredging-transit-disposal cycles, the MMO maintained continuous monitoring throughout dredging, transit and disposal activities during daylight hours, resulting in a level of monitoring effort exceeding the minimum mitigation requirements.

Works commenced once a 30-minute pre-start watch confirmed the 500m mitigation zone to be clear of marine mammals. The MMO scanned the area visually and using 7x50 reticule binoculars. Communication with the dredging crew was maintained directly through the bridge crew.

Full details of all operations are provided in Appendix II.

5. Details of monitoring watches conducted for marine mammals

A total of 101 hours and 28 minutes of monitoring effort was completed during the project. Of this, 7 hours and 20 minutes comprised pre-start monitoring watches. All remaining monitoring effort was accrued while sound-producing activities were operating at full power. Full details of monitoring effort undertaken during the project are provided in Appendix I.

Marine mammal observations were undertaken during all daylight-hour dredging, transit and disposal activities throughout the duration of the project. A full list of all operational activities is provided in Appendix II. No operations were recorded as non-compliant.

Environmental data were recorded at the beginning and end of each monitoring watch, including sea state using the Beaufort Scale, wind direction and wind speed. All relevant recording forms were completed at the end of each working day together with a detailed operational log.

Monitoring conditions between 15 and 24 April 2026 were generally classified as very good, with sea state remaining predominantly between Beaufort 0–2 throughout the majority of the project.

6. Details of Marine Mammal and Basking Shark Sightings Recorded

6.1 Details of sightings recorded during monitored watches

In total, 23 sightings of marine mammals and basking sharks were recorded between 15 and 24 April 2026. Basking sharks accounted for the majority of sightings, with 14 records. Common dolphins were the next most frequently recorded species, with five sightings. Single sightings were also recorded for bottlenose dolphin, harbour porpoise and harbour seal.

6.2 Details of all marine mammal sightings recorded outside of monitoring watches (e.g., incidental observations), including records from additional personnel on board

The first dolphin sighting was initially reported by the vessel captain; however, the MMO was unable to confirm the species identification.

7. Details of any problems encountered during marine mammal monitoring, start-up procedures, ramp-up (soft-start) procedures or during full scale operations

No issues affecting MMO operations or monitoring effort were encountered during the period between 15 and 24 April 2026. The presence of basking sharks within the disposal area during the

final days of the project required the implementation of additional mitigation measures to reduce the risk of vessel strike. Accordingly, temporary reductions in vessel speed were implemented during transits to the disposal area.

8. Conclusions

A total of 101 hours and 28 minutes of monitoring effort was completed between 15 and 24 April 2026. One formal pre-start watch was undertaken prior to commencement of dredging operations.

A total of 23 sightings were recorded over the course of the project. Basking sharks accounted for the majority of sightings, with 14 records documented. Cetacean sightings included five sightings of common dolphin together with single sightings of bottlenose dolphin and harbour porpoise. One harbour seal was also recorded during the early stages of the project. None of these sightings resulted in shutdown of dredging operations, although temporary reductions in vessel speed were implemented in response to basking shark activity in the vicinity of the disposal area.

Due to the limited timeframe of the dredging operations it is highly unlikely that the sound-producing activities had any significant impact on marine mammals in the area during this period of works. Compliance with National Parks and Wildlife Service (NPWS) guidance and permit conditions was achieved throughout the dredging works undertaken between 15 and 24 April 2026.

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10. Appendices

10.1 Appendix I – Monitoring Data

DATA FORM FOR COASTAL/MARINE WORKS – RECORD OF MONITORING EFFORT

Location:....Waterford Harbour Dredging.. Platform name:....Freeway.. Platform type:..Hopper dredger.. Client: .Boskalis... MMO(s):..MML...

Please record the following information every day (as many lines per day as you wish), even if no marine mammals are seen.

Type of operation or activity Dredging, Drilling, Pile driving, Blasting, other	**Date** (dd/mm/yyyy)	**Marine Mammal Observer** (name/initials)	Time you began monitoring for marine mammals (GMT/UTC)	Time you stopped monitoring for marine mammals (GMT/UTC)	Duration of monitoring watch (minutes)	Duration of the sound-producing operation/activity while you were monitoring for marine mammals (minutes)	Start Lat/Long position (if static/moving)	End Lat/Long position (if moving)	Wind direction & Beaufort wind force (e.g., SW 2)	Sea State (WMO) (0 to 9)	Swell height Choose from: 0 = no Swell L = 0-1 m M = 1-2 m H = 2+ m	Visibility Choose from: P = < 1 km M = 1-5 km G = 5-10 km H = >10 km
Dredging	15/04/26	MML	10:46	12:12	86	29	52°16.121 N 7°01.687 W	52°16.511 N 7°00.152 W	5 SSW	2	L	H
Dump	15/04/26	MML	14:15	15:04	49	5	52°07.400 N 6°58.145 W	52°07.333 N 6°58.206 W	6 SW	5	H	G
Dredging	15/04/26	MML	15:50	17:00	70	37	52°16.437 N	52°16.569 N	4 SW	2	H	H

							6°59.219 W	7°00.153 W				
Dump	15/04/26	MML	17:39	18:26	47	4	52°07.223 N 6°58.159 W	52°07.208 N 6°58.137 W	4 SW	3	H	G
Night												
Dredging	16/04/26	MML	05:09	06:32	83	28	52°10.754 N 6°56.351 W	52°16.477 N 7°00.221 W	3 SW	0	0	H
Dump	16/04/26	MML	07:05	07:49	44	4	52°13.203 N 6°56.461 W	52°07.206 N 6°58.642 W	4 SW	3	L	H
Dredging	16/04/26	MML	08:19	09:38	79	26	52°11.042 N 6°56.341 W	56°16.551 N 7°00.010 W	2 SW	1	L	H
Dump	16/04/26	MML	10:08	10:56	48	5	52°13.248 N 6°56.461 W	52°07.244 N 6°58.711 W	2 SW	1	L	H
Dredging	16/04/26	MML	11:30	12:31	61	26	52°13.632 N 6°56.616 W	52°16.573 N 7°00.003 W	2 SSW	1	0	H
Dump	16/04/26	MML	13:13	14:11	58	4	52°15.224 N 6°56.451 W	52°07.387 N 6°58.289 W	2 SW	2	L	G
Dredging	16/04/26	MML	14:35	15:44	69	37	52°13.889 N 6°56.744 W	52°16.629 N 7°00.027 W	4 SW	1	0	G
Dump	16/04/26	MML	16:27	17:15	48	4	52°13.364 N 6°56.539 W	52°07.196 N 6°58.162 W	3 SSW	2	L	G
Dredging	16/04/26	MML	17:50	18:54	64	27	52°12.441 N 6°56.326 W	52°16.536 N 7°00.082 W	2 SW	1	O	G
Night												

Dredging	17/04/26	MML	05:24	06:34	70	31	52°12.796 N 6°56.341 W	52°16.478 N 7°00.308 W	4 SW	1	O	H
Dump	17/04/26	MML	07:06	07:52	46	7	52°13.400 N 6°56.480 W	52°07.337 N 6°58.260 W	4 SW	2	M	H
Dredging	17/04/26	MML	08:28	09:38	70	29	52°12.931 N 6°56.373 W	52°16.511 N 7°00.287 W	2 SW	1	L	G
Dump	17/04/26	MML	10:08	10:54	46	5	52°13.387 N 6°56.462 W	52°07.223 N 6°58.286 W	3 SW	1	L	H
Dredging	17/04/26	MML	11:30	12:30	60	27	52°13.486 N 6°56.568 W	52°16.519 N 7°00.061 W	2 SW	1	L	H
Dump	17/04/26	MML	13:05	13:58	53	4	52°13.485 N 6°56.546 W	52°07.192 N 6°58.493 W	2 SW	2	L	H
Dredging	17/04/26	MML	14:20	15:38	78	41	52°12.998 N 6°56.420 W	52°16.464 N 7°00.333 W	2 SW	2	L	H
Dump	17/04/26	MML	16:17	17:07	50	4	52°13.520 N 6°56.513 W	52°07.122 N 6°58.494 W	2 SW	2	L	H
Dredging	17/04/26	MML	17:35	18:47	72	35	52°13.193 N 6°56.389 W	52°16.505 N 7°00.011 W	2 S	2	O	H
Dump	17/04/26	MML	19:15	19:59	44	3	52°13.545 N 6°56.588 W	52°07.363 N 6°58.244 W	2 SW	2	L	G
Night												
Dredging	18/04/26	MML	05:01	06:35	94	32	52°12.094 N 6°56.317 W	52°16.512 N 7°00.373 W	3 W	1	L	G

Dump	18/04/26	MML	07:09	07:54	45	6	52°13.449 N 6°56.458 W	52°07.194 N 6°58.521 W	3 W	1	L	H
Dredging	18/04/26	MML	08:28	09:40	72	30	52°12.250 N 6°56.273 W	52°16.536 N 7°00.016 W	2 W	1	L	H
Dump	18/04/26	MML	10:10	10:51	41	4	52°12.252 N 6°56.296 W	52°07.320 N 6°58.638 W	3 WNW	1	L	H
Dredging	18/04/26	MML	11:24	12:28	64	28	52°12.245 N 6°56.295 W	52°16.508 N 7°00.115 W	3 WNW	1	L	H
Dump	18/04/26	MML	12:57	13:46	49	5	52°13.633 N 6°56.563 W	52°07.365 N 6°58.249 W	3 W	1	L	H
Dredging	18/04/26	MML	14:05	15:13	68	31	52°12.772 N 6°56.397 W	52°16.526 N 7°00.045 W	3 W	1	L	H
Dump	18/04/26	MML	15:51	16:44	53	6	52°13.767 N 6°56.712 W	52°07.181 N 6°58.185 W	3 W	1	L	H
Dredging	18/04/26	MML	17:12	19:00	108	44	52°11.901 N 6°56.342 W	52°15.769 N 7°02.132 W	3 W	1	L	H
Night												
Dredging	19/04/26	MML	05:22	06:41	79	36	52°12.417 N 6°56.312 W	52°16.500 N 7°00.347 W	2 N	0	0	H
Dump	19/04/26	MML	07:25	08:13	48	7	52°13.318 N 6°56.488 W	52°07.346 N 6°58.591 W	2 N	1	L	H
Dredging	19/04/26	MML	08:44	09:59	75	31	52°12.216 N 6°56.295 W	52°16.549 N 7°00.182 W	2 N	1	L	H

Dump	19/04/26	MML	10:20	11:13	53	5	52°12.525 N 6°56.292 W	52°07.409 N 6°58.361 W	2 N	1	L	H
Dredging	19/04/26	MML	11:46	12:51	64	28	52°12.319 N 6°56.298 W	52°16.526 N 6°59.996 W	2 N	1	L	H
Dump	19/04/26	MML	13:22	14:10	48	5	52°13.284 N 6°56.462 W	52°07.229 N 6°58.443 W	2 N	1	L	H
Dredging	19/04/26	MML	14:40	16:14	94	68	52°13.883 N 6°56.791 W	52°16.560 N 6°59.922 W	2 SE	1	L	H
Dump	19/04/26	MML	16:50	17:43	53	6	52°13.883 N 6°56.791 W	52°07.244 N 6°58.576 W	2 SE	1	L	H
Dredging	19/04/26	MML	18:10	19:50	100	67	52°13.375 N 6°56.543 W	52°16.563 N 6°59.884 W	2 SE	1	L	H
Night												
Dredging	20/04/26	MML	05:23	06:41	78	40	52°12.194 N 6°56.322 W	52°16.532 N 7°00.166 W	3 ENE	1	L	H
Dump	20/04/26	MML	07:22	08:03	41	5	52°12.981 N 6°56.439 W	52°07.177 N 6°58.264 W	3 ENE	1	L	H
Dredging	20/04/26	MML	08:30	09:51	81	40	52°12.565 N 6°56.333 W	52°16.509 N 7°00.329	3 ENE	1	L	H
Dump	20/04/26	MML	10:24	11:04	40	6	52°13.137 N 6°56.457 W	52°07.239 N 6°58.618 W	3 ENE	1	L	H
Dredging	20/04/26	MML	11:38	12:45	60	30	52°12.297 N 6°56.294 W	52°16.470 N 7°00.296 W	4 E	2	L	H

Dump	20/04/26	MML	13:16	14:02	46	7	52°13.280 N 6°56.462 W	52°07.418 N 6°58.566 W	4 E	2	L	H
Dredging	20/04/26	MML	14:28	15:43	75	40	52°11.590 N 6°56.339 W	52°16.543 N 6°59.965 W	3 NE	1	L	H
Dump	20/04/26	MML	16:14	17:14	60	7	52°14.287 N 6°57.528 W	52°07.423 N 6°58.295 W	3 NE	1	L	H
Dredging	20/04/26	MML	17:42	19:02	80	53	52°12.706 N 6°56.370 W	52°16.494 N 7°00.186 W	3 NE	1	L	H
Night												
Dump	21/04/26	MML	04:50	05:29	39	7	52°12.252 N 6°56.296 W	52°07.421 N 6°58.601 W	5 E	1	L	H
Dredging	21/04/26	MML	06:01	07:06	65	38	52°12.745 N 6°56.301 W	52°16.513 N 7°00.343 W	5 E	1	L	H
Dump	21/04/26	MML	07:45	08:32	47	7	52°13.529 N 6°56.514 W	52°07.344 N 6°58.296 W	5 E	1	L	H
Dredging	21/04/26	MML	09:00	10:29	89	32	52°12.083 N 6°56.313 W	52°15.754 N 7°02.149 W	5 E	1	L	H
Dump	21/04/26	MML	11:13	11:51	38	4	52°13.215 N 6°56.503 W	52°07.166 N 6°58.222 W	6 ENE	2	M	H
Dredging	21/04/26	MML	12:29	13:39	70	30	52°12.268 N 6°56.297 W	52°16.528 N 7°00.155 W	6 ENE	2	M	H
Dump	21/04/26	MML	14:09	14:54	45	5	52°13.388 N 6°56.464 W	52°07.135 N 6°58.664 W	6 ENE	2	M	H

Dredging	21/04/26	MML	14:54	15:57	63	25	52°07.135 N 6°58.664 W	52°11.337 N 6°56.343 W	6 ENE	2	M	H
Dump	21/04/26	MML	15:57	16:33	36	5	52°11.337 N 6°56.343 W	52°07.357 N 6°58.658 W	6 ENE	2	M	H
Dredging	21/04/26	MML	16:33	17:30	27	32	52°11.337 N 6°56.343 W	52°10.967 N 6°56.386 W	5 ENE	1	L	H
Dump	21/04/26	MML	17:30	18:02	32	5	52°11.337 N 6°56.343 W	52°07.414 N 6°58.271 W	5 ENE	1	L	H
Dredging	21/04/26	MML	18:02	18:56	54	29	52°11.337 N 6°56.343 W	52°11.063 N 6°56.370 W	5 ENE	1	L	H
Dump	21/04/26	MML	18:56	19:29	33	6	52°11.337 N 6°56.343 W	52°07.213 N 6°58.242 W	5 ENE	1	L	H
Night												
Dredging	22/04/26	MML	05:54	08:26	150	8	52°15.925 N 6°59.435 W	52°15.861 N 7°01.924 W	5 E	1	L	H
Dredging	22/04/26	MML	08:26	09:44	78	16	52°15.763 N 7°01.991 W	52°11.678 N 6°56.307 W	5 E	1	L	H
Dump	22/04/26	MML	09:44	10:24	40	9	52°11.678 N 6°56.307 W	52°07.197 N 6°58.344 W	5 E	1	L	H
Dredging	22/04/26	MML	10:24	11:26	62	31	52°11.678 N 6°56.307 W	52°07.197 N 6°58.344 W	5 E	1	L	H
Dump	22/04/26	MML	11:26	12:03	37	4	52°12.011 N 6°56.306 W	52°07.163 N 6°58.567 W	5 E	1	L	H

Dredging	22/04/26	MML	12:03	13:03	60	33	52°07.163 N 6°58.567 W	52°12.297 N 6°56.270 W	5 E	1	L	H
Dump	22/04/26	MML	13:03	13:44	41	4	52°12.297 N 6°56.270 W	52°07.268 N 6°58.611 W	5 E	1	L	H
Dredging	22/04/26	MML	13:44	14:39	65	25	52°07.268 N 6°58.611 W	52°07.268 N 6°58.611 W	4 E	1	L	H
Dump	22/04/26	MML	14:39	15:20	41	4	52°07.268 N 6°58.611 W	52°07.301 N 6°58.378 W	4 E	1	L	H
Dredging	22/04/26	MML	15:20	16:13	53	22	52°07.301 N 6°58.378 W	52°12.394 N 6°56.288 W	4 E	1	L	H
Dump	22/04/26	MML	16:13	17:02	49	3	52°07.301 N 6°58.378 W	52°12.394 N 6°56.288 W	4 E	1	L	H
Dredging	22/04/26	MML	17:02	18:04	62	27	Records check	52°11.372 N 6°56.312 W	4 E	1	L	H
Dump	22/04/26	MML	18:04	18:41	37	5	Records check	52°07.232 N 6°58.709 W	4 E	1	L	H
Dredge	22/04/26	MML	18:41	19:42	61	29	52°07.232 N 6°58.709 W	52°11.227 N 6°56.325 W	4 E	1	L	H
Night												
Dredge	23/04/26	MML	04:50	05:35	45	28	/	52°12.283 N 6°56.283 W	4 E	1	L	H
Dump	23/04/26	MML	05:35	06:29	54	4	52°12.283 N 6°56.283 W	Record check	4 E	1	L	H

Dredge	23/04/26	MML	06:29	07:30	61	29	Record check	52°11.366 N 6°56.349 W	4 E	1	L	H
Dump	23/04/26	MML	07:30	08:09	39	6	52°11.366 N 6°56.349 W	52°07.384 N 6°58.328 W	4 E	1	L	H
Dredge	23/04/26	MML	08:09	09:08	60	27	52°07.384 N 6°58.328 W	52°11.509 N 6°56.326 W	4 E	1	L	H
Dump	23/04/26	MML	09:08	09:46	38	5	52°11.509 N 6°56.326 W	Record check	4 E	1	L	H
Dredge	23/04/26	MML	09:46	10:47	61	26	Record check	52°11.506 N 6°56.316 W	4 E	1	L	H
Dump	23/04/26	MML	10:47	11:22	35	3	52°11.506 N 6°56.316 W	52°07.155 N 6°58.6215 W	4 E	1	L	H
Dredge	23/04/26	MML	11:22	12:19	57	25	52°07.155 N 6°58.6215 W	52°12.347 N 6°56.261 W	4 E	1	L	H
Dump	23/04/26	MML	12:19	12:59	30	4	52°12.347 N 6°56.261 W	52°07.309 N 6°58.530 W	5 E	1	M	G
Dredge	23/04/26	MML	12:59	13:53	54	25	52°07.309 N 6°58.530 W	52°12.337 N 6°56.269 W	5 E	1	M	G
Dump	23/04/26	MML	13:54	14:33	39	3	52°12.337 N 6°56.269 W	52°07.295 N 6°58.409 W	5 E	1	M	G
Dredge	23/04/26	MML	14:33	15:31	57	24	52°07.295 N 6°58.409 W	52°12.329 N 6°56.353 W	5 E	1	M	G
Dump	23/04/26	MML	15:31	16:13	72	3	52°07.295 N	52°07.244 N	5 E	1	M	G

							6°58.409 W	6°58.372 W				
Dredge	23/04/26	MML	16:13	17:06	53	23	52°07.244 N 6°58.372 W	52°12.309 N 6°56.335 W	5 E	1	M	G
Dump	23/04/26	MML	17:06	17:50	44	3	52°12.309 N 6°56.335 W	52°07.221 N 6°58.729 W	5 E	1	M	G
Dredge	23/04/26	MML	17:50	18:54	64	28	52°07.221 N 6°58.729 W	52°11.261 N 6°56.342 W	5 E	1	M	G
Dump	23/04/26	MML	18:54	19:28	34	2	52°11.261 N 6°56.342 W	52°07.323 N 6°58.617 W	5 E	1	M	G
Night												
Dump	24/04/26	MML	04:50	05:22	32	3	52°10.617 N 6°56.385 W	52°07.333 N 6°58.619 W	5 E	1	M	G
Dredge	24/04/26	MML	05:22	06:23	61	26	52°07.333 N 6°58.619 W	52°11.544 N 6°56.322 W	5 E	1	M	G
Dump	24/04/26	MML	06:23	07:02	39	6	52°11.544 N 6°56.322 W	52°07.356 N 6°58.253 W	5 E	1	M	G
Dredge	24/04/26	MML	07:02	08:01	59	27	52°07.356 N 6°58.253 W	52°11.404 N 6°56.329 W	5 E	1	M	G
Dump	24/04/26	MML	08:01	08:40	39	6	52°11.404 N 6°56.329 W	Records check	5 E	2	M	G
Dredge	24/04/26	MML	08:40	09:44	64	38	Records check	52°11.304 N 6°56.352 W	5 E	2	M	G
Dump	24/04/26	MML	09:44	10:22	38	6	52°11.304 N	52°07.312 N	5 E	2	M	G

							6°56.352 W	6°58.523 W				
Dredge	24/04/26	MML	10:22	11:22	60	26	52°07.312 N 6°58.523 W	52°11.261 N 6°56.340 W	1	M	G	G
Dump	24/04/26	MML	11:22	11:54	38	3	52°11.261 N 6°56.340 W	52°07.339 N 6°58.669 W	5 E	2	M	G
Dredge	24/04/26	MML	11:54	12:55	59	30	52°07.339 N 6°58.669 W	52°12.001 N 6°56.321 W	5 E	2	M	G
Dump	24/04/26	MML	12:55	13:29	64	4	52°12.001 N 6°56.321 W	Records check	5 E	1	M	G
Dredge	24/04/26	MML	13:29				Records check		5 E	1	M	G

10.2 Appendix II – Operation Data

DATA FORM FOR COASTAL/MARINE WORKS - RECORD OF OPERATION/ACTIVITY

Platform name: Freeway Platform type: Hopper dredger Client: Boskalis MMO: MML

Complete this form every time the sound-producing operation or activity (e.g., drilling, pile driving, blasting) occurs including overnight, whether for testing, full operation or any other purpose.

		Sound-producing operation or activity			**Pre-Start Monitoring effort for marine mammals**					**Action necessary**		
Type of operation or activity Dredging, Drilling, Pile driving, Blasting, other	**Date** (dd/mm/yyyy)	Time when ramp-up/soft-start began [if any] (GMT/UTC)	Time when equipment reached full power (GMT/UTC)	Time when equipment stopped or shut down (GMT/UTC)	Who carried out the monitoring for marine mammals? (Job Title)	Start time of monitoring for marine mammals [Pre-start-up] (GMT/UTC)	End time of monitoring for marine mammals (GMT/UTC)	Reason for non-detection of marine mammals? (e.g. sea state, swell, glare, poor light, fog, rain, etc.)	Were hydro-phones used? (Yes/No)	Were marine mammals present in the 30/60 mins before start-up? (Yes/No)	If Yes, give time when marine mammals were last seen (GMT/UTC)	If marine mammals were present, what action was taken? (e.g., delay ramp-up/soft start, delay full start-up)
(P) Dredging	15/04/2026	11:38	11:43	12:12	MML	10:46	12:12	-	N	N	-	-
T- Dump	15/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	15/04/2026	-	14:59	15:04	MML	14:15	15:04	-	N	N	-	-
T- Dredge	15/04/2026	-	-	-	MML	-	-	-	N	N	-	-

Dredging	15/04/2026	-	16:23	17:00	MML	15:50	17:00	-	N	N	-	-
T- Dump	15/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	15/04/2026	-	18:22	18:26	MML	17:39	18:26	-	N	N	-	-
T – Dredge	15/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Night												
Dredging	16/04/2026	-	06:04	06:32	MML	05:09	06:32	-	N	N	-	-
T – Dump	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	16/04/2026	-	07:45	07:49	MML	07:05	07:49	-	N	N	-	-
T- Dredge	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredging	16/04/2026	-	9:12	09:38	MML	08:19	09:38	-	N	N	-	-
T - Dump	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	16/04/2026	-	10:51	10:56	MML	10:08	10:56	-	N	N	-	-
T -Dredge	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	16/04/2026	-	12:05	12:31	MML	11:30	12:31	-	N	N	-	-
T- Dump	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	16/04/2026	-	14:07	14:11	MML	13:13	14:11	-	N	N	-	-
T – Dredge	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredging	16/04/2026	-	15:07	15:44	MML	14:35	15:44	-	N	N	-	-
T- Dump	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	16/04/2026	-	17:11	17:15	MML	16:27	17:15	-	N	N	-	-
T – Dredge	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	16/04/2026	-	18:27	18:54	MML	17:50	18:54	-	N	N	-	-

T - Dump	16/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Night												
T- Dredge	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	17/04/2026	-	06:03	06:34	MML	05:24	06:43	-	N	N	-	-
T - Dump	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	17/04/2026	-	07:45	07:52	MML	07:06	07:52	-	N	N	-	-
T - Dredge	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	17/04/2026	-	09:09	09:38	MML	08:28	09:38	-	N	N	-	-
T- Dump	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	17/04/2026	-	10:49	10:54	MML	10:08	10:54	-	N	N	-	-
T- Dredge	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	17/04/2026	-	12:03	12:30	MML	11:30	12:30	-	N	N	-	-
T – Dump	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	17/04/2026	-	13:54	13:58	MML	13:05	13:58	-	N	N	-	-
T -Dredge	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	17/04/2026	-	14:57	15:38	MML	14:20	15:38	-	N	N	-	-
T – Dump	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	17/04/2026	-	17:03	17:07	MML	16:17	17:07	-	N	N	-	-
T- Dredge	17/04/2026	-	-		MML	-	-	-	N	N	-	-
Dredge	17/04/2026	-	18:12	18:47	MML	17:35	18:47	-	N	N	-	-
T - Dump	17/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	17/04/2026	-	19:56	19:59	MML	19:15	19:59	-	N	N	-	-
Night												

T - Dredge	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	18/04/2026		06:03	06:35	MML	05:02	06:35	-	N	N	-	-
T- Dump	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	18/04/2026	-	07:48	07:54	MML	07:09	07:54	-	N	N	-	-
T – Dredge	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	18/04/2026	-	09:10	09:40	MML	08:28	09:40	-	N	N	-	-
T- Dump	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	18/04/2026	-	10:47	10:51	MML	10:10	10:51	-	N	N	-	-
T- Dredge	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	18/04/2026	-	12:00	12:28	MML	11:24	12:28	-	N	N	-	-
T - Dump	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	18/04/2026	-	13:41	13:46	MML	12:57	13:46	-	N	N	-	-
T - Dredge	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	18/04/2026	-	14:42	15:13	MML	14:05	15:13	-	N	N	-	-
T - Dump	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	18/04/2026	-	16:38	16:44	MML	15:51	16:44	-	N	N	-	-
T - Dredge	18/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	18/04/2026	-	18:17	19:00	MML	17:12	19:00	-	N	N	-	-
Night												
T- Dredge	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	19/04/2026	-	06:05	06:41	MML	05:22	06:41	-	N	N	-	-
T - Dump	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-

Dump	19/04/2026	-	08:06	08:13	MML	07:25	08:13	-	N	N	-	-
T - Dredge	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	19/04/2026	-	09:28	09:59	MML	08:44	09:59	-	N	N	-	-
T - Dump	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	19/04/2026	-	11:08	11:13	MML	10:20	11:13	-	N	N	-	-
T -Dredge	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	19/04/2026	-	12:22	12:51	MML	11:46	12:51	-	N	N	-	-
T- Dump	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	19/04/2026	-	14:05	14:10	MML	13:22	14:10	-	N	N	-	-
T- Dredge	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	19/04/2026	-	15:06	16:14	MML	14:40	16:14	-	N	N	-	-
T -Dump	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	19/04/2026		17:37	17:43	MML	16:50	17:43	-	N	N	-	-
T – Dredge	19/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	19/04/2026	-	18:43	19:50	MML	18:10	19:50	-	N	N	-	-
Night												
T -Dredge	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	20/04/2026	-	06:01	06:41	MML	05:23	06:41	-	N	N	-	-
T - Dump	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	20/04/2026		07:58	08:03	MML	07:22	08:03	-	N	N	-	-
T- Dredge	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredging	20/04/2026	-	09:11	09:51	MML	08:30	09:51	-	N	N	-	-

T - Dump	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	20/04/2026	-	10:58	11:04	MML	10:24	11:04	-	N	N	-	-
T – Dredge	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	20/04/2026	-	12:15	12:45	MML	11:38	12:45	-	N	N	-	-
T – Dredge	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	20/04/2026		13:55	14:02	MML	13:16	14:02	-	N	N	-	-
T – Dump	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	20/04/2026	-	15:03	15:43	MML	14:28	15:43	-	N	N	-	-
T – Dump	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	20/04/2026	-	17:07	17:14	MML	16:14	17:14	-	N	N	-	-
T – Dredge	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	20/04/2026	-	18:09	19:02	MML	17:42	19:02	-	N	N	-	-
T – Dump	20/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Night												
Dump	21/04/2026	-	05:22	05:29	MML	04:50	05:29	-	N	N	-	-
T – Dredge	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	21/04/2026	-	06:28	07:06	MML	06:01	07:06	-	N	N	-	-
T – Dump	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	21/04/2026	-	08:25	08:32	MML	07:45	08:32	-	N	N	-	-
T – Dredge	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	21/04/2026	-	09:57	10:29	MML	09:00	10:29	-	N	N	-	-
T – Dump	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-

Dump	21/04/2026	-	11:47	11:51	MML	11:13	11:51	-	N	N	-	-
T – Dredge	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	21/04/2026	-	13:09	13:39	MML	12:29	13:39	-	N	N	-	-
T – Dump	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	21/04/2026	-	14:49	14:54	MML	14:09	14:54	-	N	N	-	-
T – Dredge	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	21/04/2026		15:32	15:57	MML	14:54	15:57	-	N	N	-	-
T – Dump	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	21/04/2026	-	16:28	16:33	MML	15:57	16:33	-	N	N	-	-
T – Dredge	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	21/04/2026		16:58	17:30	MML	15:17 (continuous)	17:30	-	N	N	-	-
T- Dump	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	21/04/2026		17:57	18:02	MML	15:17 (continuous)	18:02	-	N	N	-	-
T – Dredge	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	21/04/2026		18:27	18:56	MML	15:17 (continuous)	18:56	-	N	N	-	-
T – Dump	21/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	21/04/2026		19:23	19:29	MML	15:17 (continuous)	19:29	-	N	N	-	-
Night												
Dredge	22/04/2026	-	08:26	08:34	MML	05:54	08:26	-	N	N	-	-

T – Dredge	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	22/04/2026		09:28	09:44	MML	08:26	09:44	-	N	N	-	-
T – Dump	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	22/04/2026	-	10:15	10:24	MML	09:44	10:24	-	N	N	-	-
T – Dredge	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	22/04/2026	-	10:55	11:26	MML	10:24	11:26	-	N	N	-	-
T – Dump	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	22/04/2026	-	11:59	12:03	MML	11:26	12:03	-	N	N	-	-
T – Dredge	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	22/04/2026	-	12:36	13:03	MML	12:03	13:03	-	N	N	-	-
T – Dump	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dump	22/04/2026	-	13:40	13:44	MML	13:03	13:44	-	N	N	-	-
T – Dredge	22/04/2026	-	-	-	MML	-	-	-	N	N	-	-
Dredge	22/04/2026	-	14:17	14:39	MML	13:44	14:39	-	N	N	-	-
T – Dump	22/04/2026				MML			-	N	N	-	-
Dump	22/04/2026		15:16	15:20	MML	14:39	15:20	-	N	N	-	-
T – Dredge	22/04/2026				MML			-	N	N	-	-
Dredge	22/04/2026		15:51	16:13	MML	15:20	16:13	-	N	N	-	-
T – Dump	22/04/2026				MML			-	N	N	-	-
Dump	22/04/2026		16:59	17:02	MML	16:13	17:02	-	N	N	-	-
T – Dredge	22/04/2026				MML			-	N	N	-	-
Dredge	22/04/2026		17:37	18:04	MML	17:02	18:04	-	N	N	-	-

T – Dump	22/04/2026				MML			-	N	N	-	-
Dump	22/04/2026		18:37	18:41	MML	18:04	18:41	-	N	N	-	-
T – Dredge	22/04/2026				MML			-	N	N	-	-
Dredge	22/04/2026		19:13	19:42	MML	18:41	19:42	-	N	N	-	-
Night												
Dredge	23/04/2026		05:07	05:35	MML	04:50	05:35	-	N	N	-	-
T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		06:25	06:29	MML	05:35	06:29	-	N	N	-	-
T – Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		07:01	07:30	MML	06:29	07:30	-	N	N	-	-
T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		08:03	08:09	MML	07:30	08:09	-	N	N	-	Basking shark was spotted during pre-watch, it was deemed outside of the mitigation zone. 1/2-minute delay in order to confirm distance to the vessel.
T – Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		08:41	09:08	MML	08:09	09:08	-	N	N	-	-

T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		09:41	09:46	MML	09:08	09:46	-	N	N	-	-
T – Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		10:21	10:47	MML	09:46	10:47	-	N	N	-	-
T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		11:19	11:22	MML	10:47	11:22	-	N	N	-	-
T – Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		11:54	12:19	MML	11:22	12:19	-	N	N	-	-
T -Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		12:55	12:59	MML	12:19	12:59	-	N	N	-	-
T- Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		13:29	13:54	MML	12:59	13:54	-	N	N	-	-
T -Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		14:30	14:33	MML	13:54	14:33	-	N	N	-	-
T- Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		15:07	15:31	MML	14:33	15:31	-	N	N	-	-
T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		16:10	16:13	MML	15:31	16:13	-	N	N	-	-
T – Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		16:43	17:06	MML	16:13	17:06	-	N	N	-	-
T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		17:47	17:50	MML	17:06	17:50	-	N	N	-	-

T – Dredge	23/04/2026				MML			-	N	N	-	-
Dredge	23/04/2026		18:26	18:54	MML	17:50	18:54	-	N	N	-	-
T – Dump	23/04/2026				MML			-	N	N	-	-
Dump	23/04/2026		19:26	19:28	MML	18:54	19:28	-	N	N	-	-
Night												
T- Dump	24/04/2026				MML			-	N	N	-	-
Dump	24/04/2026		05:18	05:22	MML	04:54	05:22	-	N	N	-	-
T- Dredge	24/04/2026				MML			-	N	N	-	-
Dredge	24/04/2026		05:57	06:23	MML	05:22	06:23	-	N	N	-	-
T- Dump	24/04/2026				MML			-	N	N	-	-
Dump	24/04/2026		06:56	07:02	MML	06:23	07:02	-	N	N	-	-
T - Dredge	24/04/2026				MML			-	N	N	-	-
Dredge	24/04/2026		07:34	08:01	MML	07:02	08:01	-	N	N	-	-
T – Dump	24/04/2026				MML			-	N	N	-	-
Dump	24/04/2026		08:34	08:40	MML	08:01	08:40	-	N	N	-	-
T – Dredge	24/04/2026				MML			-	N	N	-	-
Dredge	24/04/2026		09:06	09:44	MML	08:40	09:44	-	N	N	-	-
T – Dump	24/04/2026				MML			-	N	N	-	-
Dump	24/04/2026		10:16	10:22	MML	09:44	10:22	-	N	N	-	-
T – Dredge	24/04/2026				MML			-	N	N	-	-
Dredge	24/04/2026		10:56	11:22	MML	10:22	11:22	-	N	N	-	-
T- Dump	24/04/2026				MML			-	N	N	-	-

Dump	24/04/2026		11:51	11:54	MML	11:22	11:54	-	N	N	-	-
T -Dredge	24/04/2026				MML			-	N	N	-	-
Dredge	24/04/2026		12:25	12:55	MML	11:54	12:55	-	N	N	-	-
T - Dump	24/04/2026				MML			-	N	N	-	-
Dump	24/04/2026		13:26	13:29	MML	12:55	13:29	-	N	N	-	-
T -Dredge	24/04/2026				MML			-	N	N	-	-
Dredge	24/04/2026		14:35		MML	13:29		-	N	N	-	-

10.3 Appendix III – Sighting List Data

Sighting No.	Species	Number of Individuals	Date	Initials	Comments
1	Unknown dolphin	1	20/04/2026	MML	Spotted by captain
2	Harbour porpoise	1	21/04/2026	MML	
3	Harbour seal	1	22/04/2026	MML	
4	Basking shark	8	22/04/2026	MML	
5	Basking shark	1	22/04/2026	MML	
6	Basking shark	2	22/04/2026	MML	
7	Bottlenose dolphin	2	22/04/2026	MML	
8	Basking shark	3	22/04/2026	MML	
9	Basking shark	1	23/04/2026	MML	
10	Basking shark	10	23/04/2026	MML	
11	Common dolphin	2	23/04/2026	MML	
12	Basking shark	12	23/04/2026	MML	
13	Basking shark	4	23/04/2026	MML	
14	Common dolphin	6	23/04/2026	MML	
15	Basking shark	7	23/04/2026	MML	
16	Basking shark	14	23/04/2026	MML	
17	Common dolphin	2	23/04/2026	MML	
18	Common dolphin	1	23/04/2026	MML	
19	Basking shark	1	23/04/2026	MML	
20	Common dolphin	1	23/04/2026	MML	
21	Basking shark	5	24/04/2026	MML	
22	Basking shark	4	24/04/2026	MML	
23	Basking shark	2	24/04/2026	MML	

10.4 Appendix IV – Sighting Data

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
20/04/2026	11:34	10:34	1

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals ___

Spotted incidentally by you or someone else _X__

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°11.244 N 6°56.367 W	N/A

Species recorded	**Certainty of identification** (underline)
Dolphin (species unknown due to captain spotting it)	*Definite / probable / possible*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**N/A**	**N/A**	**N/A**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
N/A	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Captain spotted it, behaviour unknown. I did not see it myself.	N/A

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit	*Yes*	Approx

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
21/04/2026	12:30	11:30	2

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°09164 N 6°57.157 W	N/A

Species recorded	**Certainty of identification** (underline)
Porpoise	*probable*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Extremely short sighting, with the porpoise breaching once. I had a clear view of its dorsal fin and most of its body. It only appeared once and was not seen again.

Photograph or video taken
Yes / No

Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour

N/A – Seen once briefly, swimming away from the vessel. Port side.

Direction of travel of animals (compass points or degrees)

124°

Activity of platform/vessel	**Operation/activity under way**	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit	(when animals first seen) *Yes*	100 M

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
22/04/2026	08:25	07:25	**3**

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freewa	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°15.622 N 7°02.230 W	N/A

Species recorded	**Certainty of identification** (underline)
Harbour seal	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

Description	**Photograph or video taken**
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow) Only the head was seen. Large adult harbour seal. The body was not visible.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Spy hopping and inspecting the harbour and incoming vessels to the port.	variable

Activity of platform/vessel	**Operation/activity under way**	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Portside	(when animals first seen) *Pre-Start watch*	175

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
22/04/2026	11:20	10:20	4

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.197 N 6°58.344 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
8	**8**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
12	6

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Large dorsal fins, swimming in a range of directions. Long body.	*Yes* **Direction of travel of animals in relation to platform/vessel** (draw arrow) Direction was variable.
BehaviourAppear to be feeding on the dredge material that is being dumped.	**Direction of travel of animals** (compass points or degrees) variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*No*	50

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
22/04/2026	13:05	12:05	5

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.163 N 6°58.567 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Shark	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
2	1

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken** *Yes / No*
Large dorsal fin, grey/dark appearance.	**Direction of travel of animals in relation to platform/vessel** (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Appeared to be feeding from the dredged material. Swimming away from the vessel.	245

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*No*	150

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
22/04/2026	14:47	13:47	6

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.268 N 6°58.611 W°	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
2	**2**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
3	2

Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Large dorsal fine, grey/dark appearance.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour

Appeared to be feeding from the dredged material. Swimming away from the vessel.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Finished dump - transit	*No*	325 m

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
22/04/2026	19:31	18:31	7

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.232 N 6°58.709 W	N/A

Species recorded	**Certainty of identification** (underline)
Bottlenose Dolphins	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
2	**2**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
2	2

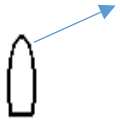
Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Two adult bottlenose dolphins. Rounded body, 2-4 meters long. Dark grey colour.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)



Behaviour

Swimming away from the vessel. Possibly feeding from the dredged material.

Direction of travel of animals (compass points or degrees)

233

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Monitoring during ongoing disposal operations*	125m

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
22/04/2026	19:32	18:32	8

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.232 N 6°58.709 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Shark	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
3	**3**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
3	3

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Large dorsal fin. Dark colour. Unsure about full size due to the distance away.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Difficult to say, brief encounter. Possibly feeding.	78

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Pre-Start watch (outside the mitigation zone)*	600m

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	07:37	06:37	9

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.392 N 6°58.640 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Shark	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Large dorsal fin and long body. Difficult to see much, bar the fin.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Possibly feeding.	147

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Yes*	175

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	09:00	08:00	10

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.589 N 6°58.258 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
10	**10**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
12	8

Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Some larger basking sharks. Very large, possibly 10+ meters for some, whilst others were around 6-8. Dark features on their tail and fins.

Photograph or video taken

Yes

Direction of travel of animals in relation to platform/vessel (draw arrow)

Variable

Behaviour

Some appeared to be spread out from each other. One group was particular close together but was some distance away from the vessel.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Approaching to dump/transit back	*Pre-Start watch*	50

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	09:05	08:05	11

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.402 N 6°58.393 W	N/A

Species recorded	**Certainty of identification** (underline)
Common dolphins	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
2	**2**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
2	2

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
V- shaped dorsal fin, with a long narrow beak. Around 2 meters in size.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Swimming in front of the vessel and then behind. Appeared to be playful.	variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*No*	200

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	10:40	09:40	12

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.215 N 6°58.417 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
12	**0**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
15	10

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Some larger basking sharks. Very large, possibly 10+ meters for some, whilst others were around 6-8. Dark features on their tail and fins.	*Yes* **Direction of travel of animals in relation to platform/vessel** (draw arrow) Variable

Behaviour	**Direction of travel of animals** (compass points or degrees)
Feeding on the area we previously dumped at.	variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit to dump	*No*	125

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	11:03	12:03	13

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
N/A – I was watching for them, to avoid vessel strike. On the route to the disposal ground.	

Species recorded	**Certainty of identification** (underline)
Basking Shark	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
4	**4**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
5	4

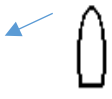
Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Some larger basking sharks. Very large, possibly 10+ meters for some, whilst others were around 6-8. Dark features on their tail and fins.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)
Also variable



Behaviour

Feeding on the area we previously dumped at.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit to the site	*Pre-Start watch*	80

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	12:26	11:26	14

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
N/A – I was watching for Basking Sharks during the transit, to avoid vessel strike. On the route to go dredge.	N/A

Species recorded	**Certainty of identification** (underline)
Common dolphin	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
6	**6**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
8	5

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Hourglass pattern on their sides and around 2+ meters.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow) Variable

Behaviour	**Direction of travel of animals** (compass points or degrees)
Appeared to be accompanying the basking sharks, breaching the water often.	variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit to Dredge	*Yes*	50

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	13:51	12:51	15

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.877 N 6°58.223 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
7	**7**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
9	6

Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Same as the previous sightings. They're sticking around the disposal area, mostly outside of it.

Some larger basking sharks. Very large, possibly 10+ meters for some, whilst others were around 6-8. Dark features on their tail and fins.

Photograph or video taken
Yes

Direction of travel of animals in relation to platform/vessel (draw arrow)
Variable

Behaviour

Appeared to be feeding. When they get close to the vessel, they usually dive down or turn away.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit to the dump site	*Pre-Start watch*	140

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	15:39	14:39	16

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.539 N 6°58.225 W	

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
14	**14**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
17	12

Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Same as the previous sightings. They're sticking around the disposal area, mostly outside of it.

Some larger basking sharks. Very large, possibly 10+ meters for some, whilst others were around 6-8. Dark features on their tail and fins.

Photograph or video taken
Yes

Direction of travel of animals in relation to platform/vessel (draw arrow)
Variable

Behaviour

Appeared to be feeding. When they get close to the vessel, they usually dive down or turn away.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit to dump	*Pre-Start watch*	20 (during transit)

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	17:13	16:13	17

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

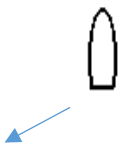
Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.244 N 6°58.372 W	N/A

Species recorded	**Certainty of identification** (underline)
Common dolphins	*probable*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
2	**2**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
2	2

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Hourglass pattern on their sides and around 2+ meters.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow) 

Behaviour	**Direction of travel of animals** (compass points or degrees)
Appeared swimming away from the vessel.	295

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Yes*	350

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	18:50	17:50	18

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.221 N 6°58.729 W	N/A

Species recorded	**Certainty of identification** (underline)
Common dolphin	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken** *Yes / No*
Hourglass pattern on their sides and around 2+ meters.	**Direction of travel of animals in relation to platform/vessel** (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
Breached twice quickly, and was not seen again.	78

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Yes*	80

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	20:21	19:21	19

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.878 N 6°58.060 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Shark	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

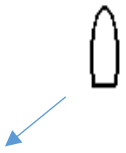
Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Seen from some distance away. Around 8 meters with dark features.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)



Behaviour

When first seen, the basking shark quickly dove deeper.

Direction of travel of animals (compass points or degrees)

346

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit	*Pre-Start watch*	650

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
23/04/2026	20:28	19:28	20

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.323 N 6°58.617 W	N/A

Species recorded	**Certainty of identification** (underline)
Common dolphin	*probable*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
1	**1**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
1	1

Description (include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)	**Photograph or video taken**
Seen very briefly. Hourglass pattern on their sides and around 2+ meters. Appeared to be by itself.	*No*
	Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour	**Direction of travel of animals** (compass points or degrees)
N/A breached once. Possibly feeding.	155

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Yes*	100

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
24/04/2026	07:59	06:59	21

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°11.544 N 6°56.322 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
5	**5**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
6	4

Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Appeared briefly. As we left the dump site, one basking shark in particular looked rather large with a big triangular dorsal fin and tail fin.

Other spotted were seen briefly before diving down.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)

Behaviour

Choppy conditions made it difficult to spot any real behaviour, in addition they had dived quickly. They appeared to come towards the dumped material when we were leaving the site.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Disposal	*Yes*	250

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
24/04/2026	09:42	08:42	22

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals __X_

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.287 N 6°58.035 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
4	**4**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
6	3

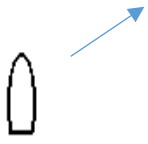
Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Seen from some distance away. Around 8 meters with dark features.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)



Behaviour

Appeared to be feeding on the previous dumped material. Or, feeding on what it attracts.

Direction of travel of animals (compass points or degrees)

350

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit to Dredge	*Yes*	300

DATA FORM FOR COASTAL/MARINE WORKS - MARINE MAMMAL SIGHTING RECORDS

Options in italics should be circled or underlined as appropriate. Complete 1 record per sheet.

Operation/Activity (please tick)	**Dredging** X	**Drilling**	**Pile Driving**	**Blasting**	**Other**

Date (dd/mm/yyyy)	**Time** (Local)	**Time** (GMT/UTC)	**Sighting Record no.**
24/04/2026	11:24	10:22	23

How did this sighting occur? (please tick)

While you were keeping a continuous watch for marine mammals _X__

Spotted incidentally by you or someone else ___

Other (please specify) ___

Details:.....

Platform type & name (e.g. ship, rig, headland)	**Observer's name**
Freeway	Malachy McLaughlin

Observer's position (Latitude/Longitude or 6-figure Grid reference)	**Water depth** (metres) (if available)
52°07.312 N 6°58.523 W	N/A

Species recorded	**Certainty of identification** (underline)
Basking Sharks	*Definite*

Total number of animals (best estimate)	**No. of adults**	**No. of juveniles**	**No. of calves**
2	**2**	**0**	**0**

Maximum number (estimated total)	**Minimum number** (estimated total)
2	2

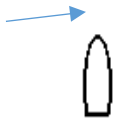
Description
(include features such as overall size; shape of head; position, shape and size of dorsal fin; colour and patterning; height, direction, shape of blow)

Large dorsal fin. Seemed to be slightly smaller in size that previous basking sharks that have been seen.

Photograph or video taken

No

Direction of travel of animals in relation to platform/vessel (draw arrow)



Behaviour

After disposal, they appeared and swam in front of the vessel. Before diving downwards.

Direction of travel of animals (compass points or degrees)

variable

Activity of platform/vessel	**Operation/activity under way** (when animals first seen)	**Closest distance of animals from platform/vessel** (metres) (Record even if not operating)
Transit	*Yes*	27