

# Screening for Appropriate Assessment Report and Screening Determination

## Maritime Usage Licence Application Cork Dockyard Rejuvenation Project Ground Investigation Surveys

### Step 1 - Description of Project/Proposal and local site characteristics

File Reference No	LIC230019
Brief Description of the Project	<p>Doyle Shipping Group are seeking a Maritime Usage Licence, for an 18 month period, to carry out ground investigation works. The proposed works include geophysical surveys, cable percussion boreholes, rotary core boreholes, trial pits, foundation inspection pits, dynamic probes, hand dug inspection pits, cone penetration tests and benthic grab samples.</p> <p>The geophysical survey, which is expected to last for four to six weeks, will be carried out in advance of phase 1 works. Phase 1 borehole and grab samples are expected to take up to four months in total, subject to suitable weather conditions. Phase 2 borehole and grab samples, forming a more detailed grid assessment for specific areas, will be undertaken following an analysis of the results of the phase 1 investigations.</p> <p>These ground investigation works have an indicative start date of Q1 2024.</p>
Brief Description of the Site Characteristics	<p>The proposed redevelopment is located in the Lower Harbour of Cork on the western side of the River Lee within the Rushbrooke Commercial Park. See Appendix 1 Maritime Usage Licence Map.</p> <p>Cork Harbour is a large, sheltered bay system, with several river estuaries - principally those of the Rivers Lee, Douglas, Owenboy and Owennacurra. The sediment in the area is largely that of coarse sediment (<a href="https://www.emodnet-seabedhabitats.eu/">https://www.emodnet-seabedhabitats.eu/</a>). Owing to the sheltered conditions, the intertidal flats are often muddy in character. These muds support a range of macro-invertebrates. Water depths in the survey area range from the intertidal to approximately 10m.</p>

**Step 2 - Identification of relevant Natura 2000 sites using Source-Pathway Receptor Model and compilation of information on Qualifying Interests and Conservation Objectives. The QIs in bold text are screened in for Stage 2 Appropriate Assessment.**

As these works are being undertaken in the marine environment, using the Source-Pathway-Receptor model (OPR 2021), only marine and coastal Natura 2000 sites were considered in this screening process.

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Great Island SAC [Site code IE001058]	3	Mudflats and sandflats not covered by seawater at low tide Atlantic [1140] Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> ) [1330]	No	No	No
Blackwater River (Cork/Waterford) SAC [Site code IE002170]	48	Estuaries [1130] Mudflats and sandflats not covered by seawater at low tide [1140] Perennial vegetation of stony banks [1220] Salicornia and other annuals colonising mud and sand [1310] Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> ) [1330] Mediterranean salt meadows ( <i>Juncetalia maritimi</i> ) [1410] Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation [3260] Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0] Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> ) [91E0] <i>Austropotamobius pallipes</i> (White-clawed Crayfish) [1092] <i>Lutra lutra</i> (Otter) [1355] <i>Trichomanes speciosum</i> (Killarney Fern) [1421] <i>Margaritifera margaritifera</i> (Freshwater Pearl Mussel) [1029] <i>Petromyzon marinus</i> (Sea Lamprey) [1095] <i>Lampetra planeri</i> (Brook Lamprey) [1096] <i>Lampetra fluviatilis</i> (River Lamprey) [1099] <i>Alosa fallax fallax</i> (Twaite Shad) [1103] <i>Salmo salar</i> (Salmon) [1106]	No	No	No

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Roaringwater Bay and Islands SAC [Site code IE000101]	108	Large shallow inlets and bays [1160] Reefs [1170] Vegetated sea cliffs of the Atlantic and Baltic coasts [1230] European dry heaths [4030] Submerged or partially submerged sea caves [8330] Lutra lutra (Otter) [1355]	No	No	Yes
		<b>Halichoerus grypus (Grey Seal) [1364]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - foraging ranges of up to 448km for Grey Seal (Carter et al, 2022) <sup>1</sup> and within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	

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River Barrow and River Nore SAC [Site code IE002162]	110	<p>Estuaries [1130]  Mudflats and sandflats not covered by seawater at low tide [1140]  Reefs [1170]  Salicornia and other annuals colonising mud and sand [1310]  Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330]  Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]  Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitricho-Batrachion</i> vegetation [3260]  European dry heaths [4030]  Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels [6430]  Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220]  Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0]  Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i>, <i>Alnion incanae</i>, <i>Salicion albae</i>) [91E0]  Vertigo moulinsiana (<i>Desmoulin's Whorl Snail</i>) [1016]  <i>Margaritifera margaritifera</i> (<i>Freshwater Pearl Mussel</i>) [1029]  <i>Austropotamobius pallipes</i> (<i>White-clawed Crayfish</i>) [1092]  <i>Lampetra planeri</i> (<i>Brook Lamprey</i>) [1096]  <i>Lutra lutra</i> (<i>Otter</i>) [1355]  <i>Trichomanes speciosum</i> (<i>Killarney Fern</i>) [1421]  <i>Margaritifera durrovensis</i> (<i>Nore Pearl Mussel</i>) [1990]  <i>Petromyzon marinus</i> (<i>Sea Lamprey</i>) [1095]  <i>Lampetra fluviatilis</i> (<i>River Lamprey</i>) [1099]  <i>Alosa fallax fallax</i> (<i>Twaite Shad</i>) [1103]  <i>Salmo salar</i> (<i>Salmon</i>) [1106]</p>	No	No	No

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Lower River Suir SAC [Site code IE002137]	120	<p>Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330]  Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]  Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation [3260]  Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels [6430]  Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0]  Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i>, <i>Alnion incanae</i>, <i>Salicion albae</i>) [91E0]  <i>Taxus baccata</i> woods of the British Isles [91J0]  <i>Margaritifera margaritifera</i> (Freshwater Pearl Mussel) [1029]  <i>Austropotamobius pallipes</i> (White-clawed Crayfish) [1092]  <i>Lampetra planeri</i> (Brook Lamprey) [1096]  <i>Lutra lutra</i> (Otter) [1355]  <i>Petromyzon marinus</i> (Sea Lamprey) [1095]  <i>Lampetra fluviatilis</i> (River Lamprey) [1099]  <i>Alosa fallax fallax</i> (Twaite Shad) [1103]  <i>Salmo salar</i> (Salmon) [1106]</p>	No	No	No
Saltee Islands SAC [Site code IE000707]	138	<p>Mudflats and sandflats not covered by seawater at low tide [1140]  Large shallow inlets and bays [1160]  Reefs [1170]  Vegetated sea cliffs of the Atlantic and Baltic coasts [1230]  Submerged or partially submerged sea caves [8330]</p>	No	No	Yes
		<p><b>Halichoerus grypus (Grey Seal) [1364]</b></p>	Yes - foraging ranges of up to 448km for Grey Seal (Carter et al, 2022) <sup>1</sup>	Yes – possible disturbance from underwater noise	

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Slaney River Valley SAC [Site code IE 000781]	150	Estuaries [1130] Mudflats and sandflats not covered by seawater at low tide [1140] Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> ) [1330] Mediterranean salt meadows ( <i>Juncetalia maritimi</i> ) [1410] Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation [3260] Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0] Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> ) [91E0] <i>Margaritifera margaritifera</i> (Freshwater Pearl Mussel) [1029] <i>Lampetra planeri</i> (Brook Lamprey) [1096] <i>Lutra lutra</i> (Otter) [1355] <i>Petromyzon marinus</i> (Sea Lamprey) [1095] <i>Lampetra fluviatilis</i> (River Lamprey) [1099] <i>Alosa fallax fallax</i> (Twaite Shad) [1103] <i>Salmo salar</i> (Salmon) [1106]	No	No	Yes
		<b><i>Phoca vitulina</i> (Harbour Seal) [1365]</b>	Yes - foraging ranges of up to 273km for Harbour Seal (Carter et al, 2022) <sup>1</sup>	Yes – possible disturbance from underwater noise	
Kenmare River SAC [Site code IE002158]	167	Large shallow inlets and bays [1160] Reefs [1170] Perennial vegetation of stony banks [1220] Vegetated sea cliffs of the Atlantic and Baltic coasts [1230] Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> ) [1330] Mediterranean salt meadows ( <i>Juncetalia maritimi</i> ) [1410] Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes) [2120] Fixed coastal dunes with herbaceous vegetation (grey dunes) [2130]	No	No	

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
		<p>European dry heaths [4030]  Juniperus communis formations on heaths or calcareous grasslands [5130]  Calaminarian grasslands of the Violetalia calaminariae [6130]  Submerged or partially submerged sea caves [8330]  Vertigo angustior (Narrow-mouthed Whorl Snail) [1014]  Rhinolophus hipposideros (Lesser Horseshoe Bat) [1303]  Lutra lutra (Otter) [1355]</p>			Yes
		<p><b>Phoca vitulina (Harbour Seal) [1365]</b></p>	Yes - foraging ranges of up to 273km for Harbour Seal (Carter et al, 2022) <sup>1</sup>	Yes	
Glengarriff Harbour and Woodland SAC [Site code IE000090]	183	<p>Old sessile oak woods with Ilex and Blechnum in the British Isles [91A0]  Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae) [91E0]  Geomalacus maculosus (Kerry Slug) [1024]  Rhinolophus hipposideros (Lesser Horseshoe Bat) [1303]  Lutra lutra (Otter) [1355]</p>	No	No	Yes
		<p><b>Phoca vitulina (Harbour Seal) [1365]</b></p>	Yes - foraging ranges of up to 273km for Harbour Seal (Carter et al, 2022) <sup>1</sup>	Yes – possible disturbance from underwater noise	

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Blasket Islands SAC [Site code IE002172]	228	Reefs [1170] Vegetated sea cliffs of the Atlantic and Baltic coasts [1230] European dry heaths [4030] Submerged or partially submerged sea caves [8330] Halichoerus grypus (Grey Seal) [1364]	No	No	Yes
		<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	
Lambay Island SAC [Site code IE000204]	330	Reefs [1170] Vegetated sea cliffs of the Atlantic and Baltic coasts [1230] Phoca vitulina (Harbour Seal) [1365]	No	No	Yes
		<b>Halichoerus grypus (Grey Seal) [1364]</b>	Yes - foraging ranges of up to 448km for Grey Seal (Carter et al, 2022) <sup>1</sup>	Yes – possible disturbance from underwater noise	
Lower River Shannon SAC [Site code IE002165]	Within Management Unit for Bottlenose Dolphin	Sandbanks which are slightly covered by sea water all the time [1110] Estuaries [1130] Mudflats and sandflats not covered by seawater at low tide [1140] Coastal lagoons [1150] Large shallow inlets and bays [1160] Reefs [1170] Perennial vegetation of stony banks [1220] Vegetated sea cliffs of the Atlantic and Baltic coasts [1230] Salicornia and other annuals colonising mud and sand [1310]	No	No	



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		<p>Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330]  Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]  Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation [3260]  Molinia meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>) [6410]  Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i>, <i>Alnion incanae</i>, <i>Salicion albae</i>) [91E0]  <i>Margaritifera margaritifera</i> (Freshwater Pearl Mussel) [1029]  <i>Petromyzon marinus</i> (Sea Lamprey) [1095]  <i>Lampetra planeri</i> (Brook Lamprey) [1096]  <i>Lampetra fluviatilis</i> (River Lamprey) [1099]  <i>Salmo salar</i> (Salmon) [1106]  <i>Lutra lutra</i> (Otter) [1355]</p>			Yes
		<p><b><i>Tursiops truncatus</i> (Common Bottlenose Dolphin) [1349]</b></p>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	
West Connacht Coast SAC [Site code IE002998]	Within Management Unit for Bottlenose Dolphin	<p><b><i>Tursiops truncatus</i> (Common Bottlenose Dolphin) [1349]</b></p>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Duvillaun Islands SAC [Site code IE000495]	490/Within Management Unit for	<p><i>Halichoerus grypus</i> (Grey Seal) [1364]</p>	No	No	

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	Bottlenose Dolphin				
		<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Rockabill to Dalkey Island SAC [Site code IE003000]	Within MU for Harbour porpoise	Reefs [1170]	No	No	Yes
		<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes -within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	
Slyne Head Islands SAC [Site code IE000328]	385/Within Management Unit for Bottlenose Dolphin	Reefs [1170]	No	No	Yes
		<b>Halichoerus grypus (Grey Seal) [1364]</b> <b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - foraging ranges of up to 448km for Grey Seal (Carter et al, 2022) <sup>1</sup> and within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes	

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Inishbofin and Inishshark SAC [Site code IE000278]	410	Coastal lagoons [1150] Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae) [3110] Northern Atlantic wet heaths with Erica tetralix [4010] European dry heaths [4030]	No	No	Yes
		<b>Halichoerus grypus (Grey Seal) [1364]</b>	Yes - foraging ranges of up to 448km for Grey Seal (Carter et al, 2022)	Yes	
Slyne Head Peninsula SAC [Site code IE002074]	Within Management Unit for Bottlenose Dolphin	Coastal lagoons [1150] Large shallow inlets and bays [1160] Reefs [1170] Annual vegetation of drift lines [1210] Perennial vegetation of stony banks [1220] Atlantic salt meadows (Glauco-Puccinellietalia maritima) [1330] Mediterranean salt meadows (Juncetalia maritimi) [1410] Embryonic shifting dunes [2110] Shifting dunes along the shoreline with Ammophila arenaria (white dunes) [2120] Machairs (* in Ireland) [21A0] Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae) [3110] Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or Isoeto-Nanojuncetea [3130] Hard oligo-mesotrophic waters with benthic vegetation of Chara spp. [3140]	No	No	

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		<p>European dry heaths [4030]  Juniperus communis formations on heaths or calcareous grasslands [5130]  Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites) [6210]  Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae) [6410]  Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis) [6510]  Alkaline fens [7230]  Petalophyllum ralfsii (Petalwort) [1395]  Najas flexilis (Slender Naiad) [1833]</p>			Yes
		<p><b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b></p>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	
Lleyn Peninsula and the Sarnau SAC [Site code UK0013117 ]	Within Management Unit for Bottlenose Dolphin	<p><b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b></p>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes

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Cardigan Bay SAC [Site code UK0012712]	Within Management Unit for Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Moray Firth SAC [Site code UK0019808]	Within Management Unit for Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
North Anglesey Marine SAC [Site code UK0030398]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
West Wales Marine SAC [Site code UK0030397 ]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Bristol Channel Approaches SAC [Site code UK003039]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes

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Chaussée de Sein SAC [Site code FR5302007]	Within Management Unit for Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes -within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Cap Sizun SAC [Site code FR5300020]	Within Management Unit for Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Côtes de Crozon [Site code FR5302006]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes -within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Ouessant-Molène [Site code FR5300018]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Abers - Côte des légendes	Within Management Unit for	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise	Yes – possible disturbance from	Yes

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[Site code FR5300017]	Harbour porpoise and Bottlenose Dolphin	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Management Unit (JNCC, 2023) <sup>2</sup>	underwater noise	
Côte de Granit rose-Sept-Iles [Site code FR5300009]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Tregor Goëlo [Site code FR5310070]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Baie de Saint-Brieuc [Site code FR5300066]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Cap d'Erquy-Cap Fréhel	Within Management		Yes - within Bottlenose Dolphin	Yes – possible disturbance	Yes

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
[Site code FR5300011]	Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	& Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	from underwater noise	
Baie de Lancieux, Baie de l'Arguenon, Archipel de Saint Malo et Dinard [Site code FR5300012]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Iles de la Colombiere, de la Nelliere et des Haches [Site code FR5310052]	Within Management Unit for Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Côte de Cancale à Paramé [Site code FR5300052]	Within Management Unit for Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b>	Yes - within Bottlenose Dolphin Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes



European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Chausey [Site code FR2500079]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Baie du Mont Saint-Michel [Site code FR2500077]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Nord Bretagne DH [Site code FR2502022]	Within Management Unit for Harbour porpoise and Bottlenose Dolphin	<b>Tursiops truncatus (Common Bottlenose Dolphin) [1349]</b> <b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Bottlenose Dolphin & Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Récifs et landes de la Hague SAC [Site code FR2500084]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Anse de Vauville SAC [Site code FR2502019]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Banc et récifs de Surtainville SAC [Site code FR2502018]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Estuaire de la Rance SAC [Site code FR5300061]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Baie de Morlaix SAC [Site code FR5300015]	Within Management Unit for Harbour porpoise	<b>Phocoena phocoena (Harbour Porpoise) [1351]</b>	Yes - within Harbour Porpoise Management Unit (JNCC, 2023) <sup>2</sup>	Yes – possible disturbance from underwater noise	Yes
Cork Harbour SPA [IE004030]	0.72	Grey Heron [A028] Pintail [A054] Oystercatcher [A130] Golden Plover [A140] Grey Plover [A141] Lapwing [A142] Dunlin [A149]	No	No	

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
		Black-tailed Godwit [A156] Bar-tailed Godwit [A157] Curlew [A160] Redshank [A162] Black-headed Gull [A179] Common Gull [A182] Lesser Black-backed Gull [A183] Wetland and Waterbirds [A999]			Yes
		<b>Cormorant [A017]</b> <b>Shoveler [A056]</b> <b>Little Grebe [A004]</b> <b>Common Tern [A193]</b>  <b>Wigeon [A050]</b> <b>Great Crested Grebe [A005]</b> <b>Common Tern [A193]</b> <b>Teal [A052]</b> <b>Shelduck [A048]</b> <b>Red-breasted Merganser [A069]</b>	Yes – diving species        Yes – ground nesting species	Yes – possible disturbance & displacement by underwater noise      Yes – possible disturbance & displacement by visual impacts and above water noise	

European Site Code	Distance from the Proposed Development (km)	List of Qualifying Interests	Connections (Source-Pathway Receptors)	Qualifying Interests considered further in Screening Y/N	European Site Screened In for stage 2 Appropriate Assessment
Ballycotton SPA	19.8 km	Teal ( <i>Anas crecca</i> ) [A052] Ringed Plover ( <i>Charadrius hiaticula</i> ) [A137] Golden Plover ( <i>Pluvialis apricaria</i> ) [A140] Grey Plover ( <i>Pluvialis squatarola</i> ) [A141] Lapwing ( <i>Vanellus vanellus</i> ) [A142] Black-tailed Godwit ( <i>Limosa limosa</i> ) [A156] Bar-tailed Godwit ( <i>Limosa lapponica</i> ) [A157] Curlew ( <i>Numenius arquata</i> ) [A160] Turnstone ( <i>Arenaria interpres</i> ) [A169] Common Gull ( <i>Larus canus</i> ) [A182] Lesser Black-backed Gull ( <i>Larus fuscus</i> ) [A183] Wetland and Waterbirds [A999]	No	No	No

### Step 3 Assessment of Likely Significant Effects

(a) Identify all potential direct and indirect impacts that may have an effect on the conservation objectives of a European site, taking into account the size and scale of the project	
Impacts	Possible Significance of Impacts ( duration, magnitude etc)
Disturbance from underwater noise	Possible impacts on Marine Mammals and Birds.
Visual impacts and above water noise disturbance	Possible impacts on Birds.

### In-Combination Effects

MARA has developed a stepwise approach for identifying other In-Combination plans and projects (see description on MARA website).

Using professional and scientific judgement, the key steps for assessing cumulative effects are as follows:

1. Defining the Cumulative Effects Spatial Scope (CESS)
2. Defining the Cumulative Effects Temporal Scope (CETS)
3. Impact identification
4. Pathway identification
5. Prediction
6. Identification of Plans or Projects that could act in combination
7. Screening Stage Cumulative Effects Assessment conclusion
8. Managing cumulative impacts - to be carried out as part of Stage 2 AA process

The CESS has been defined as 5 km and the CETS as 18 months. The definition of the CESS is based on acoustic survey equipment effective deterrence ranges as per JNCC Guidance on Assessing the Significance of Noise Disturbance against Harbour Porpoise SACs Conservation Objectives (JNCC, 2020<sup>3</sup>). And the CETS is the Maritime Usage Licence period.

Using the above 8 step approach, and following a search of relevant databases undertaken on the 29<sup>th</sup> of February 2024, the below projects have been identified as potential in-combination projects:

Application reference no.	Project	Approximate Distance from MUL Area	Project Status	Cumulative Effects
FS007126	Port of Cork Maintenance Dredging	0km	Approved but not completed - licence granted 08/09/2023	Spatial overlap with Doyle shipping Maritime Usage Licence Area. Within the CESS. Possible temporal overlap.
S0013-03	Port of Cork Company Dumping at Sea permit	0km	Approved but not completed - permission granted 04/08/2023	Spatial overlap with Doyle shipping Maritime Usage Licence Area. Within the CESS. Possible temporal overlap.

S0005-03	Department of Defense Dumping at sea permit Haulbowline.	1.5km	Proposed – application submitted 07/07/23	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Within the CESS. Possible temporal overlap.
FS007376	Uisce Éireann ADCP Surveys at Cork Harbour	0.3km	Proposed – Foreshore licence submitted 30/09/22	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Within the CESS. Possible temporal overlap.
23/05147	Monkstown Marina Construction of rock armour revetment protection	0.3km	Proposed – Permission submitted 14/12/2023	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Within the CESS. Possible temporal overlap.
FS007482	Department of Defence dredging at Haulbowline Naval Base	1.51km	Proposed – Foreshore licence submitted 13/07/23	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Within the CESS. Possible temporal overlap.
FS007431	Tulca Offshore Array Limited Site Investigations off County Cork	3.63km	Proposed – Foreshore licence submitted 14/02/22	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Not within the CESS. Possible temporal overlap
FS007138	ESB Wind Development Limited Site Investigations off Waterford and Cork	3.8km	Proposed – Foreshore licence submitted May 2022	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Not within the CESS. Possible temporal overlap
FS007660	EirGrid Site Investigations of Cork	4km	Proposed – Foreshore licence submitted June 2023	No Spatial overlap with Doyle shipping Maritime Usage Licence Area. Not within the CESS. Possible temporal overlap

The following plans, related to the development of the maritime environment were also identified:

- The Climate Action Plan 2023
- River Basin Management Plans (RBMP)
- Designated Maritime Area Plans (DMAPs)

These plans promote sustainable development in the maritime environment and particularly Ireland’s Climate Action Plan’s renewable electricity target of 80% of energy generated from renewable electricity sources by 2030.

Likely significant in-combination effects between this project and the above listed 6 projects and 3 plans on the conservation objectives of Natura 2000 sites considered in this report cannot be excluded at this stage.



<b>(b) Describe any likely changes to the European site:</b>	
Reduction or Fragmentation of habitat area	Not likely
Disturbance to QI species	Disturbance to Annex II Marine Mammal species and Birds cannot be excluded at this stage.
Changes in key indicators of conservation status value	Not likely
Changes to areas of sensitivity or threats to QI	Disturbance to Annex II Marine Mammal species and Birds cannot be excluded at this stage.
Interference with the key relationships that define the structure or ecological function of the site	Not likely

**Were mitigation measures considered during the screening process?**

No

**Step 4 Screening Determination Statement**

<p>The assessment of significant effects:</p> <p>On the basis of the information on file, and having regard to:</p> <ul style="list-style-type: none"> <li>• The nature and scale of the proposed development</li> <li>• The distance to the nearest European site</li> <li>• The potential for in-combination effects with other plans and projects</li> <li>• Possible disturbance and displacement by visual impacts</li> <li>• Possible displacement by above water noise</li> <li>• Possible disturbance and displacement from underwater noise</li> </ul> <p>Having considered the information on file and the legal framework applicable to Appropriate Assessment it was concluded that the proposal by Doyle Shipping Group to carry out ground investigation works will require Appropriate Assessment as it cannot be excluded on the basis of objective scientific information, following screening that the proposed activities, individually or in combination with other plans or projects, will have a significant effect on a European Site.</p>		
<b>Conclusion</b>		
	Tick as appropriate	Recommendation
(i) It is clear that there is no likelihood of significant/possible effects on a European site		

(ii) It is uncertain whether the proposal will have a significant/possible effect on a European site	☑	Proceed to Stage 2 Appropriate Assessment
(iii) Significant effects are likely		
Signature and Date of Recommending Officer	 Mary Hegarty, 12 <sup>th</sup> March 2024	
Signature and Date of Decision Maker	 Karen Creed, 12 <sup>th</sup> March 2024	

<sup>1</sup> Carter et al, 2022 - Carter et al, 2022. Sympatric Seals, Satellite Tracking and Protected Areas: Habitat-Based Distribution Estimates for Conservation and Management, *Frontiers in Marine Science*, v9 2022.

<sup>2</sup> JNCC 2023 - IAMMWG. 2023. Review of Management Unit boundaries for cetaceans in UK waters (2023). JNCC Report 734, JNCC, Peterborough, ISSN 0963-8091.  
<https://data.jncc.gov.uk/data/b48b8332-349f-4358-b080-b4506384f4f7/jncc-report-734.pdf>

<sup>3</sup> JNCC, 2020 - JNCC (2020). Guidance for assessing the significance of noise disturbance against Conservation Objectives of harbour porpoise SACs (England, Wales & Northern Ireland). JNCC Report No. 654



# Appendix 1

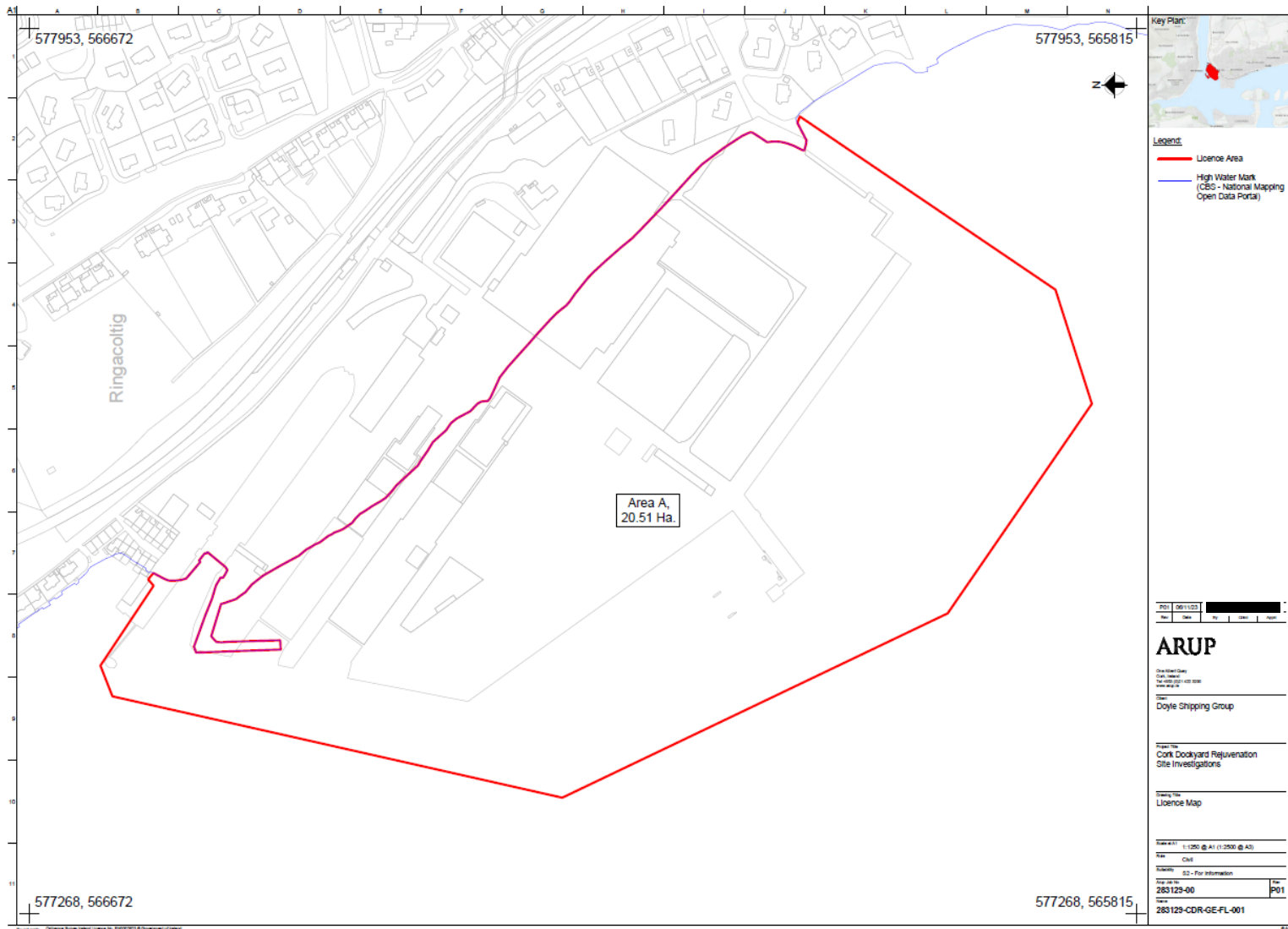


Figure 1 - Maritime Usage Licence Map

A3



Figure 2 – Proposed Ground Investigation Works