

## Appendix 5.7.2 – SACs, SPAS and pNHAs located within the vicinity of proposed development site

Site name and code	Distance from Proposed Development (approximate)	Reasons for designation <sup>1</sup> (*= Priority Habitat)
<b>Special Areas of Conservation (SACs)</b>		
South Dublin Bay SAC (000210)	Located c. 3.9km south-east of the proposed development site	<p><b>Conservation Objectives Version 1.0 (22/08/13)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Mudflats and sandflats not covered by seawater at low tide [1140]</li> <li>• Annual vegetation of drift lines [1210]</li> <li>• <i>Salicornia</i> and other annuals colonising mud and sand [1310]</li> <li>• Embryonic shifting dunes [2110]</li> </ul>
North Dublin Bay SAC (000206)	Located c. 5.7km east of the proposed development site	<p><b>Source : Conservation Objectives Version 1.0 (06/11/13)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Mudflats and sandflats not covered by seawater at low tide [1140]</li> <li>• Annual vegetation of drift lines [1210]</li> </ul>

<sup>1</sup> “Qualifying Interests” for SACs and “Special Conservation Interests” for SPAs based on relevant Statutory Instruments for each SPA, and NPWS Conservation Objectives for SACs downloaded from [www.npws.ie](http://www.npws.ie) in August 2018.

Site name and code	Distance from Proposed Development (approximate)	Reasons for designation <sup>1</sup> (*= Priority Habitat)
		<ul style="list-style-type: none"> <li>• <i>Salicornia</i> and other annuals colonizing mud and sand [1310]</li> <li>• Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330]</li> <li>• Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]</li> <li>• Embryonic shifting dunes [2110]</li> <li>• Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes") [2120]</li> <li>• *Fixed coastal dunes with herbaceous vegetation ("grey dunes") [2130]</li> <li>• Humid dune slacks [2190]</li> </ul> <p><b>Annex II Species:</b></p> <ul style="list-style-type: none"> <li>• <i>Petalophyllum ralfsii</i> (Petalwort) [1395]</li> </ul>
Baldoyle (000199)	SAC Located c. 10.3km north-east of the proposed development site	<p><b>Conservation Objectives Version 1.0 (19/11/12)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Mudflats and sandflats not covered by seawater at low tide [1140]</li> <li>• <i>Salicornia</i> and other annuals colonizing mud and sand [1310]</li> <li>• Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330]</li> <li>• Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]</li> </ul>

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Howth Head SAC (000202)	Located c. 11.3km north-east of the proposed development site	<p><b>Generic Conservation Objectives Version 4.0 (06/12/16)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Vegetated sea cliffs of the Atlantic and Baltic coasts [1230]</li> <li>• European dry heaths [4030]</li> </ul>
Rockabill to Dalkey Island SAC (000204)	Located c. 11.7km east of the proposed development site	<p><b>Conservation Objectives Version 1.0 (07/05/13)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Reefs [1170]</li> </ul> <p><b>Annex II Species:</b></p> <ul style="list-style-type: none"> <li>• <i>Phocoena phocoena</i> (Harbour Porpoise) [1351]</li> </ul>
Malahide Estuary SAC (000205)	Located c. 12.4km north of the proposed development site	<p><b>Conservation Objectives Version 1.0 (27/05/13)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Mudflats and sandflats not covered by seawater at low tide [1140]</li> <li>• <i>Salicornia</i> and other annuals colonising mud and sand [1310]</li> <li>• <i>Spartina</i> swards (<i>Spartinion maritimae</i>) [1320]</li> <li>• Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330]</li> <li>• Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]</li> <li>• Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes) [2120]</li> </ul>

Site name and code	Distance from Proposed Development (approximate)	Reasons for designation <sup>1</sup> (* = Priority Habitat)
		<ul style="list-style-type: none"> <li>Fixed coastal dunes with herbaceous vegetation (grey dunes) [2130]</li> </ul>
Glenasmole Valley SAC (001209)	Located c. 12.6km south-west of the proposed development site	<p><b>Conservation Objectives Generic Version 6.0 (21/02/18)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) (* important orchid sites) [6210]</li> <li>Molinia meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>) [6410]</li> <li>Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220]</li> </ul>
Wicklow Mountains SAC (002122)	Located c. 12.8km south of the proposed development site	<p><b>Conservation Objectives Version 1.0 (31/07/17)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>Oligotrophic to mesotrophic standing waters with vegetation of the <i>Littorelletea uniflorae</i> and/or <i>Isoeto-Nanojuncetea</i> [3130]</li> <li>Natural dystrophic lakes and ponds [3160]</li> <li>Northern Atlantic wet heaths with <i>Erica tetralix</i> [4010]</li> </ul>

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		<ul style="list-style-type: none"> <li>• European dry heaths [4030]</li> <li>• Alpine and Boreal heaths [4060]</li> <li>• Species-rich <i>Nardus</i> grasslands, on siliceous substrates in mountain areas (and submountain areas, in Continental Europe) [6230]</li> <li>• Blanket bogs (* if active bog) [7130]</li> <li>• Siliceous scree of the montane to snow levels (<i>Androsacetalia alpinae</i> and <i>Galeopsietalia ladani</i>) [8110]</li> <li>• Calcareous rocky slopes with chasmophytic vegetation [8210]</li> <li>• Siliceous rocky slopes with chasmophytic vegetation [8220]</li> <li>• Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0]</li> </ul> <p><b>Annex II Species:</b></p> <ul style="list-style-type: none"> <li>• <i>Lutra lutra</i> (Otter) [1355]</li> </ul>
Ireland's Eye SAC (002193)	Located c. 14.2km north-east of the proposed development site	<p><b>Conservation Objectives Version 1.0 (27/01/17)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Perennial vegetation of stony banks [1220]</li> <li>• Vegetated sea cliffs of the Atlantic and Baltic coasts [1230]</li> </ul>

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Rye Water Valley/Cartron SAC (001398)	Located c. 15km west of the proposed development site	<p><b>Conservation Objectives Generic Version 6.0 (21/02/18)</b></p> <p><b>Annex I Habitats:</b></p> <ul style="list-style-type: none"> <li>• Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220]</li> </ul> <p><b>Annex II Species:</b></p> <ul style="list-style-type: none"> <li>• <i>Vertigo angustior</i> (Narrow-mouthed Whorl Snail) [1014]</li> <li>• <i>Vertigo moulinsiana</i> (Desmoulin's Whorl Snail) [1016]</li> </ul>
<b>Special Protection Areas (SPA)</b>		
South Dublin Bay and River Tolka Estuary (004024)	Located c. 2.3km east of the proposed development site	<p><b>Conservation Objectives Version 1.0 (09/03/15)</b></p> <ul style="list-style-type: none"> <li>• Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] [wintering]</li> <li>• Oystercatcher (<i>Haematopus ostralegus</i>) [A130] [wintering]</li> <li>• Ringed Plover (<i>Charadrius hiaticula</i>) [A137] [wintering]</li> <li>• Grey Plover (<i>Pluvialis squatarola</i>) [A140] [wintering]</li> <li>• Knot (<i>Calidris canutus</i>) [A143] [wintering]</li> <li>• Sanderling (<i>Calidris alba</i>) [A144] [wintering]</li> <li>• Dunlin (<i>Calidris alpina</i>) [A149] [wintering]</li> <li>• Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] [wintering]</li> <li>• Redshank (<i>Tringa totanus</i>) [A162] [wintering]</li> </ul>

Site name and code	Distance from Proposed Development (approximate)	Reasons for designation <sup>1</sup> (* = Priority Habitat)
		<ul style="list-style-type: none"> <li>• Black-headed Gull (<i>Croicocephalus ridibundus</i>) [A179] [wintering]</li> <li>• Roseate Tern (<i>Sterna dougallii</i>) [A192] [passage]</li> <li>• Common Tern (<i>Sterna hirundo</i>) [A193] [breeding]</li> <li>• Arctic Tern (<i>Sterna paradisaea</i>) [A194] [passage]</li> <li>• Wetlands &amp; Waterbirds [A999]</li> </ul>
North Bull Island SPA (004006)	Located c. 6.2km east of the proposed development site	<p><b>Conservation Objectives Version 1.0 (09/03/15)</b></p> <ul style="list-style-type: none"> <li>• Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] [wintering]</li> <li>• Shelduck (<i>Tadorna tadorna</i>) [A048] [wintering]</li> <li>• Teal (<i>Anas crecca</i>) [A052] [wintering]</li> <li>• Pintail (<i>Anas acuta</i>) [A054] [wintering]</li> <li>• Shoveler (<i>Anas clypeata</i>) [A056] [wintering]</li> <li>• Oystercatcher (<i>Haematopus ostralegus</i>) [A130] [wintering]</li> <li>• Golden Plover (<i>Pluvialis apricaria</i>) [A140] [wintering]</li> <li>• Grey Plover (<i>Pluvialis squatarola</i>) [A141][wintering]</li> <li>• Knot (<i>Calidris canutus</i>) [A143] [wintering]</li> <li>• Sanderling (<i>Calidris alba</i>) [A144] [wintering]</li> <li>• Dunlin (<i>Calidris alpina</i>) [A149] [wintering]</li> <li>• Black-tailed Godwit (<i>Limosa limosa</i>) [A156] [wintering]</li> <li>• Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] [wintering]</li> </ul>

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		<ul style="list-style-type: none"> <li>• Curlew (<i>Numenius arquata</i>) [A160] [wintering]</li> <li>• Redshank (<i>Tringa totanus</i>) [A162] [wintering]</li> <li>• Turnstone (<i>Arenaria interpres</i>) [A169] [wintering]</li> <li>• Black-headed Gull (<i>Croicocephalus ridibundus</i>) [A179] [wintering]</li> <li>• Wetlands &amp; Waterbirds [A999]</li> </ul>
Baldoye Bay SPA (004016)	Located c. 10.4km north-east of the proposed development site	<p><b>Conservation Objectives Version 1 (27/02/13)</b></p> <ul style="list-style-type: none"> <li>• Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] [wintering]</li> <li>• Shelduck (<i>Tadorna tadorna</i>) [A048] [wintering]</li> <li>• Ringed Plover (<i>Charadrius hiaticula</i>) [A137] [wintering]</li> <li>• Golden Plover (<i>Pluvialis apricaria</i>) [A140] [wintering]</li> <li>• Grey Plover (<i>Pluvialis squatarola</i>) [A141] [wintering]</li> <li>• Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] [wintering]</li> <li>• Wetlands &amp; Waterbirds [A999]</li> </ul>
Howth Head Coast SPA (004113)	Located c. 11.4km north-east of the proposed development site	<p><b>Generic Conservation Objectives Version 6.0 (21/02/18)</b></p> <ul style="list-style-type: none"> <li>• Kittiwake (<i>Rissa tridactyla</i>) [A188]</li> </ul>
Malahide Estuary SPA (004025)	Located c. 12.4km north-east of the proposed development site	<p><b>Conservation Objectives Version 1 (16/08/13)</b></p> <ul style="list-style-type: none"> <li>• Great Crested Grebe (<i>Podiceps cristatus</i>) [A005]</li> <li>• Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046]</li> </ul>



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		<ul style="list-style-type: none"> <li>• Shelduck (<i>Tadorna tadorna</i>) [A048]</li> <li>• Pintail (<i>Anas acuta</i>) [A054]</li> <li>• Goldeneye (<i>Bucephala clangula</i>) [A067]</li> <li>• Red-breasted Merganser (<i>Mergus serrator</i>) [A069]</li> <li>• Oystercatcher (<i>Haematopus ostralegus</i>) [A130]</li> <li>• Golden Plover (<i>Pluvialis apricaria</i>) [A140]</li> <li>• Grey Plover (<i>Pluvialis squatarola</i>) [A141]</li> <li>• Knot (<i>Calidris canutus</i>) [A143]</li> <li>• Dunlin (<i>Calidris alpina</i>) [A149]</li> <li>• Black-tailed Godwit (<i>Limosa limosa</i>) [A156]</li> <li>• Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157]</li> <li>• Redshank (<i>Tringa totanus</i>) [A162]</li> <li>• Wetland and Waterbirds [A999]</li> </ul>
Wicklow Mountains SPA (004040)	Located c. 13.2km south of the proposed development site	<p><b>Conservation Objectives Generic Version 6.0 (21/02/18)</b></p> <ul style="list-style-type: none"> <li>• Merlin <i>Falco columbarius</i> [A098]</li> <li>• Peregrine <i>Falco peregrinus</i> [A103]</li> </ul>
Ireland's Eye SPA (004117)	Located c. 13.9km north-east of the proposed development site	<p><b>Generic Conservation Objectives Version 6.0 (21/02/18)</b></p> <ul style="list-style-type: none"> <li>• Cormorant (<i>Phalacrocorax carbo</i>) [A017]</li> <li>• Herring Gull (<i>Larus argentatus</i>) [A184]</li> <li>• Kittiwake (<i>Rissa tridactyla</i>) [A188]</li> <li>• Guillemot (<i>Uria aalge</i>) [A199]</li> </ul>

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		<ul style="list-style-type: none"> <li>Razorbill (<i>Alca torda</i>) [A200]</li> </ul>
Dalkey Island SPA (003000)	Located c. 14km south-east of the proposed development site	<b>Generic Conservation Objectives Version 6.0 (21/02/18)</b> <ul style="list-style-type: none"> <li>Roseate Tern (<i>Sterna dougallii</i>) [A192]</li> <li>Common Tern (<i>Sterna hirundo</i>) [A193]</li> <li>Arctic Tern (<i>Sterna paradisaea</i>) [A194]</li> </ul>
<b>Proposed Natural Heritage Areas (pNHAs)</b>		
Royal Canal (002103)	Located c. 860m north of the proposed development site	The ecological value of the canal lies more in the diversity of species it supports along its linear habitats than in the presence of rare species. It provides a refuge for species threatened by modern farming methods.
Grand Canal (002104)	Located c. 2.5km south of the proposed development site	This site is comprised on a number of different habitats within the canal boundaries including hedgerow, tall herbs, calcareous grassland, reed fringe, open water, scrub and woodland. The pNHA has been designated for the diversity of species supported along the linear habitats of the canal.
North Dublin Bay (000206)	Located c. 5.7km east of the proposed development site	This site is designated for the same features for which the North Dublin Bay SAC and the South Dublin Bay and River Tolka Estuary SPA have been: intertidal/coastal habitats and bird species.

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South Dublin Bay (000210)	Located c. 3.9km south-east of the proposed development site	This site is designated for the same features for which the South Dublin Bay SAC and the South Dublin Bay and River Tolka Estuary SPA have been: intertidal/coastal habitats and bird species.
Dolphins, Dublin Docks (000201)	Located c. 4.8km east of the proposed development site	Site synopsis is unavailable for this site. The boundary of this site overlaps with South Dublin Bay and River Tolka Estuary SPA.
Santry Demesne (000178)	Located c. 4.6km north of the proposed development site	The primary importance of this site is that it contains a legally protected plant species, Hairy St. John's-wort <i>Hypericum hirsutum</i> . The woodland, however, is of general ecological interest as it occurs in an area where little has survived of the original vegetation.
Boosterstown Marsh (001205)	Located c. 6.5km south-east of the proposed development site	Boosterstown Marsh is the only saltmarsh in south Dublin and remains a valuable habitat for many birds as well as containing a diverse flora including the protected plant Borrer's Saltmarsh grass <i>Puccinellia fasciculata</i> .
Dalkey Coast Zone and Killiney Hill (001206)	Located c. 11.2km south-east of the proposed development site	This site represents a fine example of a coastal system with habitats ranging from the sub-littoral to coastal heath. The flora is well developed and includes some scarce species. The islands are important bird sites. The site also has geological importance.

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Howth Head (000202)	Located c. 10.3km east of the proposed development site	This site is designated for the same features for which the Howth Head SAC and Howth Head Coast SPA have been: dry heath and sea cliffs habitats and bird species.
Baldoyle Bay (000199)	Located c. 10.3km north-east of the proposed development site	This site is designated for the same features for which the Baldoyle Bay SAC and SPA have been: dry heath and sea cliffs habitats and bird species.
Ireland's Eye (000203)	Located c. 13.9km north-east of the proposed development site	This site is designated for the same features for which the Ireland's Eye SAC and SPA have been: coastal habitats and bird species.
Sluice River Marsh (001763)	Located c. 10.1km north-east of the proposed development site	This site is of importance as a relatively intact freshwater marsh, a habitat that is now rare in County Dublin.
Feltrim Hill (001208)	Located c. 9.6km north of the proposed development site	This site is of importance due to its geology and presence of two rare species Spring Squill <i>Scilla verna</i> and <i>Long-stalked Crane's-bill</i> .
Malahide Estuary (000205)	Located c. 12.4km north-east of the proposed development site	This site is designated for the same features for which the Malahide Estuary SAC and SPA: intertidal/coastal habitats and bird species.
Liffey Valley (000128)	Located c. 6.2km west of the proposed development site	This site is part of the Liffey Valley Special Amenity Areas Order 1990. The site is important because of the diversity of the habitats within the site, ranging from aquatic to terrestrial. A number of rare and threatened plant species have been

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		recorded from the site, including Hairy St. John's-wort and Yellow Archangel.
Dodder Valley (000991)	Located c. 9km south-west of the proposed development site	The site represents the last remaining stretch of natural river bank vegetation on the River Dodder in the built-up Greater Dublin Area.
Lugmore Glen (001212)	Located c. 13.7km south-west of the proposed development site	The importance of this site is that it is a fine example of a wooded glen with a good representation of woodland plants. This type of semi-natural habitat is now scarce in Co. Dublin. The presence of a rare plant species adds to the interest of the site.
Glenasmole Valley (001209)	Located c. 13.1km south-west of the proposed development site	This site is designated for the same features for which the Glenasmole Valley SAC: grassland and springs habitats.
Fitzsimon's Wood (001753)	Located c. 9.8km south of the proposed development site	This importance of this site is that it is a mature birch ( <i>Betula spp.</i> ) woodland, which is very rare in Co. Dublin.
Dingle Glen (001207)	Located c. 13.8km south of the proposed development site	The importance in this site lies in the variety of habitats within a relatively small area. The site is secluded and not subject to much disturbance.
Ballybetagh Bog (001202)	Located c. 14.9km south of the proposed development site	Although the site contains samples of fen and marsh vegetation, the main interest lies in its historical value. Ballybetagh Bog has become a classical site of quaternary studies due to the intensity of research.

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Loughlinstown Woods (001211)	Located c. 14.9km south of the proposed development site	This site is a good example of demesne-type mixed woodland.