

**Appropriate
Assessment
Natura Impact Report**

CONSOLIDATED NATURA IMPACT REPORT

IN SUPPORT OF THE
APPROPRIATE ASSESSMENT

FOR THE
**DUNDRUM LOCAL AREA PLAN
2023**
TO BE ADOPTED

for: Dún Laoghaire-Rathdown County Council

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Section 1 Introduction

1.1 Background

This consolidated Natura Impact Report (NIR) has been prepared in support of the Appropriate Assessment (AA) of the Draft Dundrum Local Area Plan 2023 to be adopted¹ (the Plan) in accordance with the requirements of Article 6(3) of Council Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora (as amended) (hereafter referred to as the "Habitats Directive").

This report is part of the ongoing AA process that is being undertaken alongside the preparation of the Plan. It will be considered, alongside other documentation prepared as part of this process, at adoption of the Plan.

In carrying out AA and in preparing this consolidated Natura Impact Report, the Council takes into account the matters specified under Part XAB of the Planning and Development Act 2000 (as amended), including the following:

- The Natura Impact Report prepared for the Draft Plan (an earlier version of this consolidated document);
- Written submissions made during the Plan preparation process; and
- Ongoing advice on AA from the Council's agents, including on non-material alterations.

An AA Conclusion Statement will be prepared following adaption that will include the final AA determination expected to be made at adoption.

1.2 Legislative Context

The Habitats Directive provides legal protection for habitats and species of European importance. The overall aim of the Habitats Directive is to maintain or restore the "favourable conservation status" of habitats and species of European Community Interest. These habitats and species are listed in the Habitats and Birds Directives (Council Directive 2009/147/EC on the conservation of wild birds) with Special Areas of Conservation (SACs) and Special Protection Areas (SPAs) designated to afford protection to the most vulnerable of them. These two designations are collectively known as European sites (also known as Natura 2000 sites).

AA is required by the Habitats Directive, as transposed into Irish legislation by the European Communities (Birds and Natural Habitats) Regulations 2011 (as amended) and the Planning and Development Act 2000 (as amended). AA is an assessment of the potential for adverse or negative effects of a plan or project, in combination with other plans or projects, on the conservation objectives of a European site.

1.3 Approach

The Draft Plan was informed by a Stage 2 AA and a Natura Impact Report (an earlier version of this consolidated Natura Impact Report) was prepared to accompany it on public display. Submissions received may result in non-material alterations being made to the Plan.

Mitigation has been integrated into the Plan that allow this report to demonstrate that the Plan to be adopted² is not foreseen to give rise to any significant effects on designated European sites, alone or in combination with other plans or projects³.

¹ Incorporating: the Draft Plan; and all and any non-material alterations considered by the AA process. Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

² Incorporating: the Draft Plan; and all and any non-material alterations considered by the AA process. Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

³ Except as provided for in Article 6(4) of the Habitats Directive, viz. There must be: a) no alternative solution available, b) imperative reasons of overriding public interest for the plan to proceed; and c) Adequate compensatory measures in place.

The AA is based on best scientific knowledge and has utilised ecological and hydrological expertise. In addition, a detailed online review of published scientific literature and grey literature⁴ was conducted. This included a detailed review of the National Parks and Wildlife (NPWS) website including mapping and available reports for relevant sites and in particular sensitive qualifying interests/special conservation interests described and their conservation objectives (including spatial data collected for the most recent Article 12 and 17 conservation status reporting cycle, 2019).

The ecological desktop study completed for the AA of the Plan comprised the following elements:

- Identification of European sites within 15km of the Plan boundary with identification of potential pathways links for specific sites (if relevant) greater than 15km from the Plan boundary;
- Review of the NPWS site synopsis and conservation objectives for European sites with identification of potential pathways from the Plan area; and
- Examination of available information on protected species.

There are four main stages in the AA process as follow:

Stage One: Screening

The process that identifies the likely impacts upon a European site of a project or plan, either alone or in combination with other projects or plans and considers whether these impacts are likely to be significant.

Stage Two: Appropriate Assessment

The consideration of the impact on the integrity of the European site of the project or plan, either alone or in combination with other projects or plans, with respect to the site's structure and function and its conservation objectives. Additionally, where there are adverse impacts, an assessment of the potential mitigation of those impacts. If adequate mitigation is proposed to ensure no significant adverse impacts on European sites, then the process may end at this stage. However, if the likelihood of significant impacts remains, then the process must proceed to Stage Three.

Stage Three: Assessment of Alternative Solutions

The process that examines alternative ways of achieving the objectives of the project or plan that avoids adverse impacts on the integrity of the European site.

Stage Four: Assessment where no alternative solutions exist and where adverse impacts remain

An assessment of compensatory measures where, in the light of an assessment of imperative reasons of overriding public interest (IROPI), it is deemed that the project or plan should proceed.

The Habitats Directive promotes a hierarchy of avoidance, mitigation and compensatory measures. This approach aims to avoid any impacts on European sites by identifying possible impacts early in the plan-making process and avoiding such impacts. Second, the approach involves the application of mitigation measures, if necessary, during the AA process to the point where no adverse impacts on the site(s) remain. If potential impacts on European sites remain, the approach requires the consideration of alternative solutions. If no alternative solutions are identified and the plan/project is required for imperative reasons of overriding public interest, then compensation measures are required for any remaining adverse effect(s).

The assessment of potential effects on European sites is conducted following a standard source-pathway-receptor⁵ model, where, in order for an effect to be established all three elements of this mechanism must be in place. The absence or removal of one of the elements of the model is sufficient to conclude that a potential effect is not of any relevance or significance.

In the interest of this report, receptors are the ecological features that are known to be utilised by the qualifying interests or special conservation interests of a European site. A source is any identifiable element of the Plan provision that is known to interact with ecological processes. The pathways are any connections or links between the source and the receptor. This report provides information on whether direct, indirect and cumulative adverse effects could arise from the Plan.

The AA exercise has been prepared taking into account legislation including the aforementioned legislation and guidance including the following:

- Appropriate Assessment of Plans and Projects in Ireland. Guidance for Planning Authorities, Department of the Environment, Heritage and Local Government, 2009;

⁴ Various documents where publishing, in journals for example, is not the primary activity of the producing body. Examples include: conference presentations; regulatory data; unpublished trial data; government publications; and dissertations/theses.

⁵ Source(s) – e.g. pollutant run-off from proposed works; Pathway(s) – e.g. groundwater connecting to nearby qualifying wetland habitats; and Receptor(s) – qualifying aquatic habitats and species of European sites.

- "Commission Notice: Managing Natura 2000 sites - The provisions of Article 6 of the 'Habitats' Directive 92/43/EEC", European Commission 2018;
- "Assessment of plans and projects significantly affecting Natura 2000 sites: Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC", European Commission Environment DG, 2021;
- "Managing Natura 2000 sites: The Provisions of Article 6 of the Habitats Directive 92/43/EEC", European Commission, 2000; and
- Practice Note PN01: Appropriate Assessment Screening for Development Management, Office of the Planning Regulator, 2021.

This evaluation has been made in view of the conservation objectives of the habitats or species, for which the relevant European sites have been designated.

Section 2 Description of the Plan

2.1 Introduction

The Dundrum Local Area Plan to be adopted⁶ sets out an overall strategy for the proper planning and sustainable development over the years 2023. LAPs are required to be consistent with the Policy and Objectives of the County Development Plan and its Core Strategy, as well as the National Planning Framework and Regional Spatial Economic Strategies. The LAP should be read in conjunction with the Dún Laoghaire-Rathdown County Development Plan 2022-2028, which sets out the overarching development strategy for the administrative area of Dún Laoghaire-Rathdown County Council. Where conflicting policies and objectives arise between the LAP and the CDP in relation to SEA and AA matters the CDP shall take precedence.

2.2 Summary of the Plan

The LAP sets out an overall strategy for the proper planning and sustainable development of Dundrum in the context of Project Ireland 2040, the National Planning Framework, the Regional Spatial and Economic Strategy for the Eastern and Midland Region and the County Development Plan. It is informed by Ministerial Guidelines issued pursuant to Section 28 of the Act together with EU requirements regarding SEA and AA.

The LAP looks at both existing and future Dundrum and aims to set out a framework to guide future development and make sure that there are enough schools, open spaces, childcare and community facilities, shops and employment to serve the needs of the community.

As a Major Town Centre Dundrum plays a very important role in the County and whilst the LAP covers a relatively small area, Dundrum as a town, while serving the local need, also has a much wider draw in terms of the shops, educational facilities, and civic, cultural and community facilities that currently exist and that will exist in the future. An analysis of population has indicated that the population of the plan area could double over the next 20 years from circa 6,000 to circa 11,500 persons. The majority of new homes will be in apartment or duplex type units with the minority in more traditional style houses.

At the heart of the Plan is the “ten minute neighbourhood” concept whereby a person should be able to walk, cycle or use high quality public transport to access the various amenities listed above within ten minutes of their home. The Luas and planned bus routes mean that Dundrum has the potential to reach a much wider area. An Area Based Transport Assessment (ABTA) has fed into the local area plan policy formulation.

The LAP is set out in nine chapters, setting out various Plan provisions, as follows:

1. Introduction, Context and Analysis (including Vision)
2. Urban Framework and Site Development Frameworks
3. People and Homes
4. Transport and Movement
5. Climate Change - Adaptation and Mitigation
6. Multifunctional Towns and Neighbourhood Centres
7. Employment
8. Heritage and Conservation
9. Implementation and Monitoring

The vision for Dundrum is of a vibrant, inclusive and attractive town which is connected to and supports surrounding neighbourhoods and functions as a place people can enjoy, to live in, work in and visit.

⁶ Incorporating: the Draft Plan; and all and any non-material alterations considered by the AA process. Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

Section 3 Screening for Appropriate Assessment

3.1 Introduction to Screening

This stage of the process identifies any potential likely significant effects to European sites from a project or plan, either alone or in combination with other projects or plans.

An important element of the AA process is the identification of the “Conservation Objectives”, “Qualifying Interests” (QIs) and/or “Special Conservation Interests” (SCIs) of European sites requiring assessment. QIs are the habitat features and species listed in Annexes I and II of the Habitats Directive for which each European site has been designated and afforded protection. SCIs are wetland habitats and bird species listed within Annexes I and II of the Birds Directive. It is also vital that the threats to the ecological/environmental conditions that are required to support QIs and SCIs are considered as part of the assessment.

The following NPWS Generic Conservation Objectives have been considered in the screening:

- For SACs, to maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected; and
- For SPAs, to maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA.

Where available, Site-Specific Conservation Objectives (SSCOs) designed to define favourable conservation status for a particular habitat⁷ or species⁸ at that site have been considered.

3.2 Identification of Relevant European Sites

The Department of the Environment (2009) Guidance on AA recommends a 15 km buffer (pathway consideration) zone to be considered. A review of all sites within this zone has allowed a determination to be made that in the absence of significant hydrological links the characteristics of the Plan will not impose effects beyond the 15 km buffer.

Details of European sites that occur within the 15 km Pathway Consideration Zone (or beyond if surface or groundwater hydrological pathways are identified) of the Plan area are listed in Table 3.1 and mapped on Figure 3.1. In addition, Figure 3.2 shows the European sites⁹ that are within the same groundwater body¹⁰ as the Plan area (these can occur beyond the 15 km Pathway Consideration Zone).

Information on QIs, SCIs and site-specific vulnerabilities and sensitivities (see Appendix I) and background information (such as that within Ireland’s Article 17 Report to the European Commission, site synopses and Natura 2000 standard data forms) has also been considered by both the AA screening assessment (provided under this section) and Stage 2 AA (provided under Section 4). The information on the Conservation Objectives of the European Sites that have been considered by the assessment, was sourced from the following NPWS documents:

- NPWS (2015) Conservation Objectives for South Dublin Bay and River Tolka Estuary SPA [IE0004024] Version 1.
- NPWS (2013) Conservation Objectives for South Dublin Bay SAC [IE0000210] Version 1.
- NPWS (2017) Conservation Objectives for Wicklow Mountains SAC [IE0002122] Version 1.
- NPWS (2022) Generic Conservation Objectives for Wicklow Mountains SPA [IE0004040] Version 9.
- NPWS (2015) Conservation Objectives for North Bull Island SPA [IE0004006] Version 1.
- NPWS (2013) Conservation Objectives for North Dublin Bay SAC [IE0000206] Version 1.
- NPWS (2023) Conservation Objectives for North-west Irish Sea SPA [IE0004236] Version 1¹¹.
- NPWS (2021) Conservation Objectives for Knocksink Wood SAC [IE0000725] Version 1.
- NPWS (2021) Conservation Objectives for Glenasmole Valley SAC [IE0001209] Version 1.

⁷ Favourable conservation status of a habitat is achieved when: its natural range, and area it covers within that range, are stable or increasing; the specific structure and functions which are necessary for its long-term maintenance exist and are likely to continue to exist for the foreseeable future; and the conservation status of its typical species is favourable.

⁸ The favourable conservation status of a species is achieved when: population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats; the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future; and there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis.

⁹ Special Areas of Conservation with groundwater sensitive Qualifying Interests

¹⁰ Source: <https://gis.epa.ie/EPAMaps/>

¹¹ The designation of this SPA emerged following public display of the Draft Plan and Conservation Objectives were shared by the National Parks and Wildlife Service in September 2023. This SPA was therefore added following public display of the Draft Plan and associated documents.

- NPWS (2022) Generic Conservation Objectives for Dalkey Islands SPA [IE0004172] Version 9.
- NPWS (2013) Conservation Objectives for Rockabill to Dalkey Island SAC [IE0003000] Version 1.
- NPWS (2019) Conservation Objectives for Ballyman Glen SAC [IE0000713] Version 1.
- NPWS (2016) Conservation Objectives for Howth Head SAC [IE0000202] Version 1.
- NPWS (2012) Conservation Objectives for Baldoyle Bay SAC [IE0000199] Version 1.
- NPWS (2013) Conservation Objectives for Baldoyle Bay SPA [IE0004016] Version 1.
- NPWS (2017) Conservation Objectives for Bray Head SAC [IE0000714] Version 1.
- NPWS (2022) Generic Conservation Objectives for Howth Head Coast SPA [IE0004113] Version 9.
- NPWS (2013) Conservation Objectives for Malahide Estuary SAC [IE0000205] Version 1¹².
- NPWS (2021) Conservation Objectives for Rye Water Valley/Carton SAC [IE0001398] Version 1¹³.
- NPWS (2021) Conservation Objectives for Ballynafagh Lake SAC [IE0001387] Version 1¹⁴.
- NPWS (2015) Conservation Objectives for Mouds Bog SAC [IE0002331] Version 1¹⁵.

The assessment considers available conservation objectives. Since conservation objectives focus on maintaining the favourable conservation condition of the QIs/SCIs of each site, the screening process concentrated on assessing the potential effects of the Plan against the QIs/SCIs of each site. The conservation objectives for each site were consulted throughout the assessment process.

3.3 Assessment Criteria and Screening

3.3.1 Is the Plan Necessary to the Management of European Sites?

The overarching objective of the Plan is not the nature conservation management of the sites, but to coordinate and plan the future development of Dundrum. Therefore, the Plan is not considered to be directly connected with or necessary to the management of European sites.

3.3.2 Elements of the Plan with Potential to Give Rise to Effects

The Plan provides a framework for the sustainable development of the Dundrum Plan area. Plan elements that could potentially have a likely significant effect to European sites include:

- Provisions for issues, including those relating to urban framework and site development frameworks, people and homes, transport and movement, climate action - adaptation and mitigation, Dundrum multifunctional town and neighbourhood centres, employment and heritage and conservation, that introduce sources for effects through construction phase hydrological interactions through surface hydrological connectivity or shared groundwater sources (Figure 3.2); and,
- Loading pressures from the operational phase of developments – these sources could result in disturbance effects and interactions with water quality (surface and/or groundwater).

The elements of the Plan with the highest potential to give rise to the effects indicated above are generally associated with construction phase elements of the implementation of the Plan. The operational phase elements of the Plan are generally consistent with the existing condition of the area; however, these will also need to be carefully considered. All policies and objectives are considered in this assessment with respect to the ecological integrity of each of the European sites identified. Considering the sensitivities/vulnerabilities of the QIs and SCIs in relation to all potential sources for effects and potential pathways for such effects. Where sources and pathways for effects are identified potential effects will be assessed in relation to the SSCOs.

3.3.3 Screening of Sites

Table 3.1 examines whether there is potential for effects on European sites considering information provided above, including Appendix I. Sites are screened based on one or a combination of the following criteria:

- The existence of potential pathways for significant effects, such as hydrological links Plan proposals and the site to be screened;
- The distance of the relevant site from the Plan boundary; and
- The existence of a link between identified threats or vulnerabilities at a site to potential impacts that may arise from the Plan.

¹² This SAC has groundwater sensitive Qualifying Interests and is within the same groundwater bodies as the Plan area, but beyond 15 km buffer zone.

¹³ This SAC has groundwater sensitive Qualifying Interests and is within the same groundwater bodies as the Plan area, but beyond 15 km buffer zone.

¹⁴ This SAC has groundwater sensitive Qualifying Interests and is within the same groundwater bodies as the Plan area, but beyond 15 km buffer zone.

¹⁵ The AA methodology of determining groundwater sensitive Qualifying Interests and thus, groundwater sensitive Special Areas of Conservation, was refined following public display of the Draft Plan and associated documents to include additional bog habitats, one of which occurs in Mouds Bog SAC. This SAC was therefore added following public display of the Draft Plan and associated documents. This SAC has groundwater sensitive Qualifying Interests in a shared groundwater body with the Plan area, but beyond 15 km Pathway Consideration Zone.

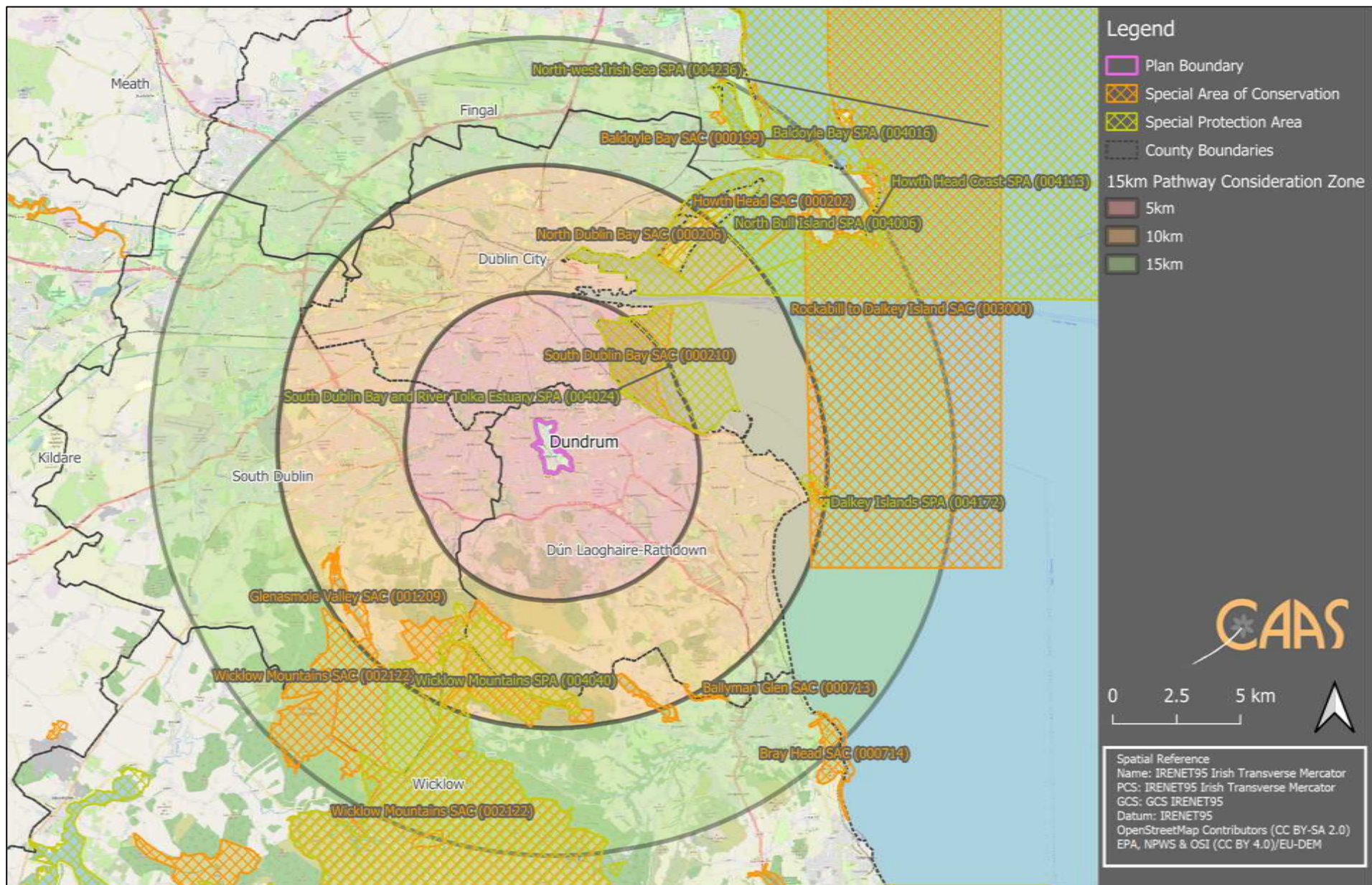


Figure 3.1 European sites and Pathway Consideration Zones up to 15 km from the Plan area¹⁶

¹⁶ Source: NPWS (datasets downloaded October 2023)
 CAAS for Dún Laoghaire–Rathdown County Council

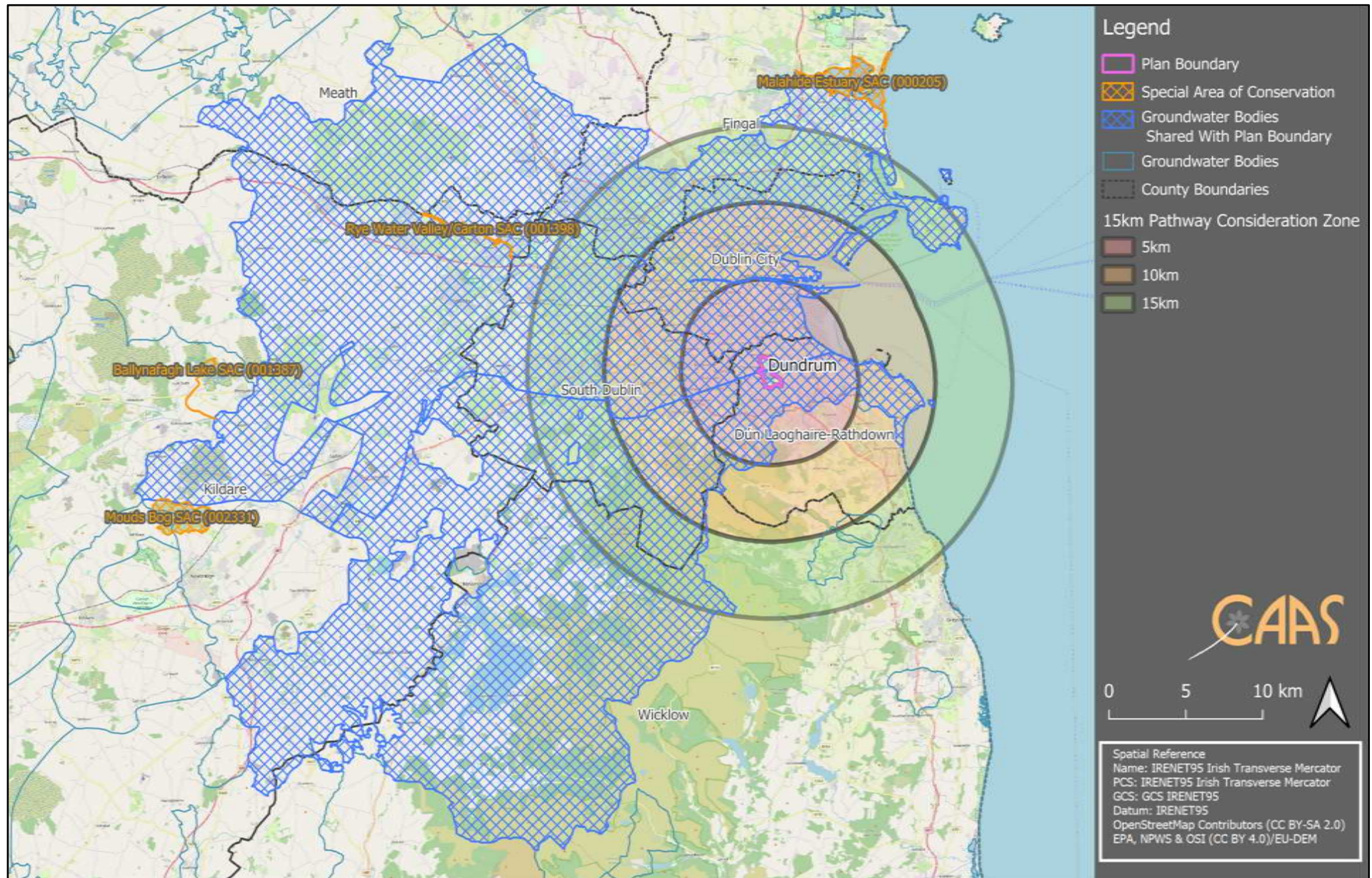


Figure 3.2 European sites¹⁷ within the same groundwater bodies¹⁸ as the Plan area

¹⁷ Special Areas of Conservation with groundwater sensitive Qualifying Interests

¹⁸ Source: <https://gis.epa.ie/EPAMaps/>

Table 3.1 Screening of European sites within 15 km of the Plan boundary

Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
004024	South Dublin Bay and River Tolka Estuary SPA	2.82	Grey Plover (<i>Pluvialis squatarola</i>) [A141], Knot (<i>Calidris canutus</i>) [A143], Oystercatcher (<i>Haematopus ostralegus</i>) [A130], Ringed Plover (<i>Charadrius hiaticula</i>) [A137], Roseate Tern (<i>Sterna dougallii</i>) [A192], Dunlin (<i>Calidris alpina</i>) [A149], Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179], Wetland and Waterbirds [A999], Redshank (<i>Tringa totanus</i>) [A162], Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A674], Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157], Common tern (<i>Sterna hirundo</i>) [A193], Sanderling (<i>Calidris alba</i>) [A144], Arctic tern (<i>Sterna paradisaea</i>) [A194]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to hydrological interactions, direct land use management activities and disturbance effects. This site exists 2.82 km outside of the Draft Plan boundary. There is a direct surface hydrological connection between the Draft Plan area and this site. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{20,21} . These distances can vary due to factors such as species and/or time of year ^{22,23} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified. These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distance involved between the Plan area and the SPA, there are no sources of effect for direct land use management or disturbance effects to the SPA. However, there is a direct surface hydrological connection with the Plan area and there are sources identified for hydrological interactions between the Plan area and this SPA. Thus, there are pathways for potential likely significant effects to the site from the sources identified above. Therefore, further consideration is required under, Article 6(3), Stage 2 AA.	Yes	Yes
000210	South Dublin Bay SAC	2.86	Salicornia and other annuals colonising mud and sand [1310], Mudflats and sandflats not covered by seawater at low tide [1140], Annual vegetation of drift lines [1210], Embryonic shifting dunes [2110]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions and direct land use management effects. This site exists 2.86 km outside of the Draft Plan boundary. There is a direct surface hydrological connection with the Draft Plan area. Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management to the SAC. However, there is a direct surface hydrological connection with the Plan area and there are sources identified for hydrological interactions between the Plan area and this SAC. Thus, there are pathways for potential likely significant effects to the site from the sources identified above. Therefore, further consideration is required under, Article 6(3), Stage 2 AA.	Yes	Yes
002122	Wicklow Mountains SAC	5.68	Otter (<i>Lutra lutra</i>) [1355], Alpine and Boreal heaths [4060], Northern Atlantic wet heaths with Erica tetralix [4010], Siliceous rocky slopes with chasmophytic vegetation [8220], Oligotrophic waters containing very few minerals of sandy plains (<i>Littorelletalia uniflorae</i>) [3110], Species-rich Nardus grasslands, on siliceous substrates in mountain areas - and submountain areas in Continental Europe [6230], European dry heaths [4030], Calcareous rocky slopes with chasmophytic vegetation [8210], Siliceous scree of the montane to snow levels (<i>Androsacetalia alpinae</i> and <i>Galeopsietalia ladani</i>) [8110], Natural dystrophic lakes and ponds [3160], Calaminarian grasslands of the Violetalia calaminiarum [6130], Blanket bogs * if active bog [7130], Old sessile oak	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions and direct land use management activities. This site exists 5.68 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site. Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management activities to the SAC. In addition, as there are no direct surface hydrological connections with the Plan area, there are no sources of effect for hydrological interactions to the SAC. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No

¹⁹ Qualifying Interest or Special Conservation Interest

²⁰ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

²¹ Bright, J.A., Langston, R. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

²² Böttsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. Proceedings of the Royal Society B: Biological Sciences, 284(1858), p.20170846.

²³ Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. Ibis, 162(3), pp.845-862.

Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
			woods with Ilex and Blechnum in the British Isles [91A0]			
004040	Wicklow Mountains SPA	5.90	Merlin (<i>Falco columbarius</i>) [A098], Peregrine falcon (<i>Falco peregrinus</i>) [A103]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to disturbance effects and direct land use management activities. This site exists 5.90 km outside of the Draft Plan area. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{24,25} . These distances can vary due to factors such as species and/or time of year ^{26,27} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified. These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distances involved between the Plan area and the SPA, there are no sources of effect for direct land use management activities or disturbance effects to the SPA. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
004006	North Bull Island SPA	7.53	Dunlin (<i>Calidris alpina</i>) [A149], Black-tailed Godwit (<i>Limosa limosa</i>) [A156], Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157], Shelduck (<i>Tadorna tadorna</i>) [A048], Pintail (<i>Anas acuta</i>) [A054], Curlew (<i>Numenius arquata</i>) [A160], Sanderling (<i>Calidris alba</i>) [A144], Oystercatcher (<i>Haematopus ostralegus</i>) [A130], Wetland and Waterbirds [A999], Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179], Golden Plover (<i>Pluvialis apricaria</i>) [A140], Turnstone (<i>Arenaria interpres</i>) [A169], Knot (<i>Calidris canutus</i>) [A143], Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A674], Teal (<i>Anas crecca</i>) [A052], Redshank (<i>Tringa totanus</i>) [A162], Shoveler (<i>Anas clypeata</i>) [A056], Grey Plover (<i>Pluvialis squatarola</i>) [A141]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to hydrological interactions, direct land use management activities and disturbance effects. This site exists 7.53 km outside of the Draft Plan area. There is a direct surface hydrological connection between the Draft Plan area and this site. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{28,29} . These distances can vary due to factors such as species and/or time of year ^{30,31} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified. These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distance involved between the Plan area and the SPA, there are no sources of effect for direct land use management or disturbance effects to the SPA. However, there is a direct surface hydrological connection with the Plan area and there are sources identified for hydrological interactions between the Plan area and this SPA. Thus, there are pathways for potential likely significant effects to the site from the sources identified above. Therefore, further consideration is required under, Article 6(3), Stage 2 AA.	Yes	Yes
004236	North-west Irish Sea SPA ³²	7.71	Fulmar (<i>Fulmarus glacialis</i>) [A009], Little Tern (<i>Sterna albifrons</i>) [A195], Red-throated Diver (<i>Gavia stellata</i>) [A001], Cormorant (<i>Phalacrocorax carbo</i>) [A017], Shag (<i>Phalacrocorax aristotelis</i>) [A018], Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179],	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to hydrological interactions, direct land use management activities and disturbance effects. This site exists 7.71 km outside of the Draft Plan area. There is a direct surface hydrological connection between the Draft Plan area and this site. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{33,34} . These distances can vary due to factors such as species and/or time of year ^{35,36} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified.	Yes	Yes

²⁴ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

²⁵ Bright, J.A., Langston, R. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

²⁶ Bötsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. Proceedings of the Royal Society B: Biological Sciences, 284(1858), p.20170846.

²⁷ Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. Ibis, 162(3), pp.845-862.

²⁸ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

²⁹ Bright, J.A., Langston, R. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

³⁰ Bötsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. Proceedings of the Royal Society B: Biological Sciences, 284(1858), p.20170846.

³¹ Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. Ibis, 162(3), pp.845-862.

³² The designation of this SPA emerged following display of the Draft Plan and Conservation Objectives were shared by the National Parks and Wildlife Service in September 2023.

³³ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

³⁴ Bright, J.A., Langston, R. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

³⁵ Bötsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. Proceedings of the Royal Society B: Biological Sciences, 284(1858), p.20170846.

³⁶ Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. Ibis, 162(3), pp.845-862.

Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
			Great Northern Diver (<i>Gavia immer</i>) [A003], Manx Shearwater (<i>Puffinus puffinus</i>) [A013], Kittiwake (<i>Rissa tridactyla</i>) [A188], Great Black-backed Gull (<i>Larus marinus</i>) [A187], Common Scoter (<i>Melanitta nigra</i>) [A065], Little Gull (<i>Larus minutus</i>) [A177], Puffin (<i>Fratercula arctica</i>) [A204], Razorbill (<i>Alca torda</i>) [A200], Roseate Tern (<i>Sterna dougallii</i>) [A192], Common Tern (<i>Sterna hirundo</i>) [A193], Common Gull (<i>Larus canus</i>) [A182], Guillemot (<i>Uria aalge</i>) [A199], Herring Gull (<i>Larus argentatus</i>) [A184], Arctic Tern (<i>Sterna paradisaea</i>) [A194], Lesser Black-backed Gull (<i>Larus fuscus</i>) [A183]	These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distance involved between the Plan area and the SPA, there are no sources of effect for direct land use management or disturbance effects to the SPA. However, there is a direct surface hydrological connection with the Plan area and there are sources identified for hydrological interactions between the Plan area and this SPA. Thus, there are pathways for potential likely significant effects to the site from the sources identified above. Therefore, further consideration is required under, Article 6(3), Stage 2 AA.		
000206	North Dublin Bay SAC	7.55	Salicornia and other annuals colonising mud and sand [1310], Embryonic shifting dunes [2110], Atlantic salt meadows (<i>Glaucopuccinellietalia maritimae</i>) [1330], Annual vegetation of drift lines [1210], Fixed coastal dunes with herbaceous vegetation - grey dunes [2130], Petalwort (<i>Petalophyllum ralfsii</i>) [1395], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Humid dune slacks [2190], Shifting dunes along the shoreline with <i>Ammophila arenaria</i> - white dunes [2120], Mudflats and sandflats not covered by seawater at low tide [1140]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to direct land use management activities, hydrological interactions and groundwater interactions. This site exists 7.55 km outside of the Draft Plan area. Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management to the SAC. However, there is a direct surface hydrological connection with the Plan area and there are sources identified for hydrological interactions between the Plan area and this SAC. Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics ³⁷ , and has been shown to be heavily influenced by the direct management of soil, rivers and streams ³⁸ . It has also been shown that the effects from groundwater contaminants are diluted through volume of water ³⁹ . As the SAC and Plan boundary are within the same groundwater body ⁴⁰ and share the same sub-catchment, there are sources for potential effects regarding groundwater interactions. Thus, there are pathways for potential likely significant effects to the site from the sources identified above. Therefore, further consideration is required under, Article 6(3), Stage 2 AA.	Yes	Yes
000725	Knocksink Wood SAC	8.06	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], Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to groundwater interactions, surface water interactions, and direct land use management activities. This site exists 8.06 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site. Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics ⁴¹ , and has been shown to be heavily influenced by the direct management of soil, rivers and streams ⁴² . It has also been shown that the effects from groundwater contaminants are diluted through volume of water ⁴³ . Considering the distance between the Draft Plan area and the lack of any shared sub-catchment between the Plan boundary and this SAC, there is considerable dilution effect, and therefore no significant effects to the QIs identified. Considering the QIs of this SAC, and given the nature of the Draft Plan, and the distances involved, there are no potential sources for direct land use management effects. as the site is outside of the Plan boundary. and no potential sources for groundwater interactions. In addition, there are no direct surface hydrological pathways between the site and the Plan boundary. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No

³⁷ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

³⁸ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

³⁹ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

⁴⁰ <https://gis.epa.ie/EPAMaps/>

⁴¹ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁴² Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

⁴³ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

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Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
001209	Glenasmole Valley SAC	8.56	Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) * important orchid sites [6210], Molinia meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>) [6410]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to direct land use management activities, groundwater and hydrological interactions. This site exists 8.56 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site. Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics ⁴⁴ , and has been shown to be heavily influenced by the direct management of soil, rivers and streams ⁴⁵ . It has also been shown that the effects from groundwater contaminants are diluted through volume of water ⁴⁶ . As the SAC and Plan boundary are within the same groundwater body ⁴⁷ and share the same sub-catchment, there are sources for potential effects regarding groundwater interactions. Thus, there are pathways for potential likely significant effects to the site from the sources identified above. Therefore, further consideration is required under, Article 6(3), Stage 2 AA.	Yes	Yes
004172	Dalkey Islands SPA	9.00	Common tern (<i>Sterna hirundo</i>) [A193], Roseate tern (<i>Sterna dougallii</i>) [A192], Arctic tern (<i>Sterna paradisaea</i>) [A194]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to hydrological interactions, disturbance effects and direct land use management activities. This site exists 9 km outside of the Draft Plan area. There is an indirect surface hydrological connection via the marine environment between the Draft Plan area and this site. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{48,49} . These distances can vary due to factors such as species and/or time of year ^{50,51} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified. These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distances involved between the Plan area and the SPA, there are no sources of effect for direct land use management activities or disturbance effects to the SPA. In addition, considering the considerable dilution effects via the marine environment, there are no sources of effect for hydrological interactions to the SPA. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
003000	Rockabill to Dalkey Island SAC	9.29	Harbour porpoise (<i>Phocoena phocoena</i>) [1351], Reefs [1170]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions and direct land use management activities. This site exists 9.29 km outside of the Draft Plan area. There is an indirect surface hydrological connection via the marine environment between the Draft Plan area and this site. Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management activities to the SAC. In addition, as there is a considerable dilution effect via the marine environment, there are no sources of effect for hydrological interactions to the SAC. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
000713	Ballyman Glen SAC	9.44	Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], Alkaline fens [7230]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions, groundwater interactions and direct land use management activities. This site exists 9.44 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site. Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics ⁵² , and has been shown to be heavily influenced by the direct management of soil, rivers and streams ⁵³ . It has also been shown that the effects from groundwater contaminants are diluted through volume of	No	No

⁴⁴ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁴⁵ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

⁴⁶ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

⁴⁷ <https://gis.epa.ie/EPAMaps/>

⁴⁸ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

⁴⁹ Bright, J.A., Langston, R <https://gis.epa.ie/EPAMaps/>. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

⁵⁰ Bötsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. *Proceedings of the Royal Society B: Biological Sciences*, 284(1858), p.20170846.

⁵¹ Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. *Ibis*, 162(3), pp.845-862.

⁵² Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁵³ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

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Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
				water ⁵⁴ . Considering the distance between the Draft Plan area and the lack of any shared sub-catchment between the Plan boundary and this SAC, there is considerable dilution effect, and therefore no significant effects to the QIs identified. Considering the QIs of this SAC, and given the nature of the Draft Plan, and the distances involved, there are no potential sources for direct land use management effects, as the site is outside of the Plan boundary, and no potential sources for groundwater interactions. In addition, there are no direct surface hydrological pathways between the site and the Plan boundary. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.		
000202	Howth Head SAC	12.15	European dry heaths [4030], Vegetated sea cliffs of the Atlantic and Baltic Coasts [1230]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to direct land use management activities and hydrological interactions. This site exists 12.15 km outside of the Draft Plan area. There is an indirect surface hydrological connection via the marine environment between the Draft Plan area and this site. However, considering the distance between the Draft Plan area and this SAC, there is a considerable dilution effect via the marine environment, and therefore no significant effects to the QIs in terms of hydrological interactions have been identified. Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management activities to the SAC. In addition, there is considerable dilution effect via the marine environment, there are no sources of effect for hydrological interactions to the SAC. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
000199	Baldoye Bay SAC	12.97	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], Mudflats and sandflats not covered by seawater at low tide [1140]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions and direct land use management. This site exists 12.97 km outside of the Draft Plan area. There is an indirect surface hydrological connection between the Draft Plan area and this site. Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management activities to the SAC. In addition, there is considerable dilution effect via the marine environment, there are no sources of effect for hydrological interactions to the SAC. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
004016	Baldoye Bay SPA	12.97	Ringed Plover (<i>Charadrius hiaticula</i>) [A137], Shelduck (<i>Tadorna tadorna</i>) [A048], Wetland and Waterbirds [A999], Grey Plover (<i>Pluvialis squatarola</i>) [A141], Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A674], Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157], Golden Plover (<i>Pluvialis apricaria</i>) [A140]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to hydrological interactions, disturbance effects and direct land use management activities. This site exists 12.97 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{55,56} . These distances can vary due to factors such as species and/or time of year ^{57,58} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified. These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distances involved between the Plan area and the SPA, there are no sources of effect for direct land use management activities or disturbance effects to the SPA. In addition, considering the considerable dilution effects via the marine environment, there are no sources of effect for hydrological interactions to the SPA. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
000714	Bray Head SAC	13.53	European dry heaths [4030], Vegetated sea cliffs of the Atlantic and Baltic Coasts [1230]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to direct land use management activities and hydrological interactions. This site exists 13.53 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site.	No	No

⁵⁴ Lasagna, M. et al. 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

⁵⁵ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

⁵⁶ Bright, J.A., Langston, R. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

⁵⁷ Bötsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. *Proceedings of the Royal Society B: Biological Sciences*, 284(1858), p.20170846.

⁵⁸ Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. *Ibis*, 162(3), pp.845-862.

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Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
				Considering the QIs of this SAC, and given the nature of the Draft Plan and the distances involved between the Plan area and the SAC, there are no sources of effect for direct land use management activities to the SAC. In addition, as there are no direct surface hydrological connections with the Plan area, there are no sources of effect for hydrological interactions to the SAC. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.		
004113	Howth Head Coast SPA	14.15	Kittiwake (<i>Rissa tridactyla</i>) [A188]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SPA is sensitive to hydrological interactions, disturbance effects and direct land use management activities. This site exists 14.15 km outside of the Draft Plan area. There is an indirect surface hydrological connection via the marine environment between the Draft Plan area and this site. However, considering the distance between the Draft Plan area and this SAC, there is a considerable dilution effect via the marine environment, and therefore no significant effects to the QIs in terms of hydrological interactions have been identified. SCI species are sensitive to disturbance effects; in general distances beyond 2 km are seen to be sufficient to preclude such effects ^{59,60} . These distances can vary due to factors such as species and/or time of year ^{61,62} . Given the distance between the Draft Plan area and the SPA there are no pathways for disturbance effects identified. These SCI species are highly vagile and therefore may utilise ex-situ ecological resources which may have interactions with the Draft Plan; however, at this scale landscape characteristics and the availability of alternate resources ensure the local scale interactions with ex-situ resources are not likely to have significant effects on the SPA. Considering the SCIs of this SPA, and given the nature of the Draft Plan and the distances involved between the Plan area and the SPA, there are no sources of effect for direct land use management activities or disturbance effects to the SPA. In addition, considering the considerable dilution effects via the marine environment, there are no sources of effect for hydrological interactions to the SPA. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
000205	Malahide Estuary SAC	16.66	Atlantic salt meadows (<i>Glaucopuccinellietalia maritimae</i>) [1330], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Salicornia and other annuals colonising mud and sand [1310], Mudflats and sandflats not covered by seawater at low tide [1140], Fixed coastal dunes with herbaceous vegetation - grey dunes [2130], Shifting dunes along the shoreline with <i>Ammophila arenaria</i> - white dunes [2120]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions, land use management activities and groundwater interactions. This site exists 16.66 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site, however this European site has groundwater sensitive Qualifying Interests, and does share the same groundwater body as the Draft Plan area (Figure 3.2). Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics ⁶³ , and has been shown to be heavily influenced by the direct management of soil, rivers and streams ⁶⁴ . It has also been shown that the effects from groundwater contaminants are diluted through volume of water ⁶⁵ . Considering the distance between the Draft Plan area and the lack of any shared sub-catchment between the Plan boundary and this SAC, there is considerable dilution effect, and therefore no significant effects to the QIs identified. Considering the QIs of this SAC, and given the nature of the Draft Plan, and the distances involved, there are no potential sources for direct land use management effects, as the site is outside of the Plan boundary, and no potential sources for groundwater interactions. In addition, there are no direct surface hydrological pathways between the site and the Plan boundary. Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.	No	No
001398	Rye Water Valley/Cartron SAC	17.30	Narrow-mouthed whorl snail (<i>Vertigo angustior</i>) [1014], Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], Desmoulin's whorl snail (<i>Vertigo moulinsiana</i>) [1016]	The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions, land use management activities and groundwater interactions. This site exists 17.30 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site, however this European site has groundwater sensitive Qualifying Interests, and does share the same groundwater body as the Draft Plan area (Figure 3.2).	No	No

⁵⁹ Rudock, M. and Whitfield, D.P., 2007. A review of disturbance distances in selected bird species. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage, 181.

⁶⁰ Bright, J.A., Langston, R. and Anthony, S., 2009. Mapped and written guidance in relation to birds and onshore wind energy development in England. Sandy: RSPB.

⁶¹ Bötsch, Y., Tablado, Z. and Jenni, L., 2017. Experimental evidence of human recreational disturbance effects on bird-territory establishment. Proceedings of the Royal Society B: Biological Sciences, 284(1858), p.20170846.

⁶² Goss-Custard, J.D., Hoppe, C.H., Hood, M.J. and Stillman, R.A., 2020. Disturbance does not have a significant impact on waders in an estuary close to conurbations: importance of overlap between birds and people in time and space. Ibis, 162(3), pp.845-862.

⁶³ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁶⁴ Silva, A.C.F. et al. 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

⁶⁵ Lasagna, M. et al. 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

Site Code	Site Name	Distance (km)	Qualifying Feature ¹⁹	Potential Effects	Potential for likely Significant Effects	Potential for likely In-Combination Effects
				<p>Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics⁶⁶, and has been shown to be heavily influenced by the direct management of soil, rivers and streams⁶⁷. It has also been shown that the effects from groundwater contaminants are diluted through volume of water⁶⁸. Considering the distance between the Draft Plan area and the lack of any shared sub-catchment between the Plan boundary and this SAC, there is considerable dilution effect, and therefore no significant effects to the QIs identified. Considering the QIs of this SAC, and given the nature of the Draft Plan, and the distances involved, there are no potential sources for direct land use management effects, as the site is outside of the Plan boundary, and no potential sources for groundwater interactions. In addition, there are no direct surface hydrological pathways between the site and the Plan boundary.</p> <p>Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.</p>		
001387	Ballynafagh Lake SAC	35.24	Marsh Fritillary (<i>Euphydryas aurinia</i>) [1065], Alkaline fens [7230], Desmoulin's whorl snail (<i>Vertigo moulinsiana</i>) [1016]	<p>The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions, land use management activities and groundwater interactions. This site exists 35.24 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site, however this European site has groundwater sensitive Qualifying Interests, and does share the same groundwater body as the Draft Plan area (Figure 3.2).</p> <p>Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics⁶⁹, and has been shown to be heavily influenced by the direct management of soil, rivers and streams⁷⁰. It has also been shown that the effects from groundwater contaminants are diluted through volume of water⁷¹. Considering the distance between the Draft Plan area and the lack of any shared sub-catchment between the Plan boundary and this SAC, there is considerable dilution effect, and therefore no significant effects to the QIs identified. Considering the QIs of this SAC, and given the nature of the Draft Plan, and the distances involved, there are no potential sources for direct land use management effects, as the site is outside of the Plan boundary, and no potential sources for groundwater interactions. In addition, there are no direct surface hydrological pathways between the site and the Plan boundary.</p> <p>Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.</p>	No	No
002331	Mouds Bog SAC ⁷²	36.73	Degraded raised bogs still capable of natural regeneration [7120], Depressions on peat substrates of the Rhynchosporion [7150], Active raised bogs [7110]	<p>The Draft Plan provides a framework for land use development and activities with potential for construction and operation source effects throughout the Plan area. The SAC is sensitive to hydrological interactions, land use management activities and groundwater interactions. This site exists 35.24 km outside of the Draft Plan area. There is no direct surface hydrological connection between the Draft Plan area and this site, however this European site has groundwater sensitive Qualifying Interests, and does share the same groundwater body as the Draft Plan area (Figure 3.2).</p> <p>Considering groundwater interactions: groundwater is reliant on and interacts with a myriad of hydrogeological and landscape characteristics⁷³, and has been shown to be heavily influenced by the direct management of soil, rivers and streams⁷⁴. It has also been shown that the effects from groundwater contaminants are diluted through volume of water⁷⁵. Considering the distance between the Draft Plan area and the lack of any shared sub-catchment between the Plan boundary and this SAC, there is considerable dilution effect, and therefore no significant effects to the QIs identified. Considering the QIs of this SAC, and given the nature of the Draft Plan, and the distances involved, there are no potential sources for direct land use management effects, as the site is outside of the Plan boundary, and no potential sources for groundwater interactions. In addition, there are no direct surface hydrological pathways between the site and the Plan boundary.</p> <p>Thus, there are no sources with pathways for likely significant effects foreseen and no further assessment is required.</p>	No	No

⁶⁶ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁶⁷ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

⁶⁸ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

⁶⁹ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁷⁰ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

⁷¹ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

⁷² The AA methodology of determining groundwater sensitive Qualifying Interests and thus, groundwater sensitive Special Areas of Conservation, was refined following public display of the Draft Plan and associated documents to include additional bog habitats, one of which occurs in Mouds Bog SAC. This SAC was therefore added following public display of the Draft Plan and associated documents.

⁷³ Wehncke, E.V. & Mariano, N.A., 2021. Groundwater and Its Role in Maintaining the Ecological Functions of Ecosystems—A Review. *Intensified Land and Water Use: A Holistic Perspective of Local to Regional Integration*, pp.55-86.

⁷⁴ Silva, A.C.F. *et al.* 2012. Estuarine biodiversity as an indicator of groundwater discharge. *Estuarine, Coastal and Shelf Science*, 97, pp.38-43.

⁷⁵ Lasagna, M. *et al.* 2013. Effect of the dilution process on the attenuation of contaminants in aquifers. *Environmental earth sciences*, 70(6), pp.2767-2784.

3.4 Other Plans and Programmes

Article 6(3) of the Habitats Directive requires an assessment of a plan or project to consider other plans or programmes that might, in combination with the plan or project, have the potential to adversely affect European sites. Appendix II outlines a selection of plans or projects that may interact with the Plan to cause in-combination effects to European sites such as the Dún Laoghaire-Rathdown County Development Plan 2022-2028, the Dún Laoghaire-Rathdown Tourism Strategy and Marketing Plan 2017-2022, the Dublin Noise Action Plan 2018-2023 (Dún Laoghaire-Rathdown), the Dún Laoghaire-Rathdown Biodiversity Action Plan 2021-2025, and the Dún Laoghaire-Rathdown Climate Change Action Plan 2019-2024. These plans and programmes were considered throughout the assessment.

All projects within the Plan area and receiving environment will be considered in combination with any and all lower tiers projects that may arise due to the implementation of the Plan. Given the uncertainties that exist with regard to the scale and location of developments facilitated by the Plan, it is recognised that the identification of in-combination effects is limited and that the assessment of in-combination effects will need to be undertaken in a more comprehensive manner at the project-level.

Additional information on the relationship with other plans and programmes is provided at Appendix II.

3.5 AA Screening Consideration for the Draft Plan⁷⁶

The potential effects that could arise from the Draft Plan were examined in the context of several factors that could result in any likely significant effect to any European site. On the basis of the findings of this examination, it was concluded that the Plan:

- Is not directly connected with or necessary to the management of any European site; and
- May, if unmitigated, have likely significant effects on 5 (no.) European sites.

Therefore, a Stage 2 AA was determined as being required for the Draft Plan (see Section 4 of this report). An AA Screening Determination undertaken by the planning authority in advance of public display of the Draft Plan is provided at Figures 3.4 and 3.5.

⁷⁶ Refer also to Section 3.6 "AA Screening Consideration following Public Display of Draft Plan".

Dún Laoghaire-Rathdown County Council

LOCAL GOVERNMENT ACTS 1925 - 2014

RECORD OF EXECUTIVE BUSINESS CHIEF EXECUTIVE'S ORDERS

Screening for Appropriate Assessment Determination

under
Section 177U of the Planning and Development Act 2000, as amended,
for the

Emerging Draft Dundrum Local Area Plan 2023-2029

In order to comply with the requirements of the Planning and Development Act 2000, as amended, this determination has been made by Dún Laoghaire-Rathdown County Council relating to the potential for the emerging Draft Dundrum Local Area Plan 2023-2029 to have effects on the integrity of European Sites.

In making the determination that Appropriate Assessment (AA) is required, the information on the potential effects on the integrity of European Sites arising from the emerging Draft Plan has been taken into account (this information will be placed on public display in the Natura Impact Report alongside the emerging Draft Plan). The process of screening for AA began at an early stage in the drafting of the Plan. The screening process assessed whether the emerging Draft Plan had the potential to have effects on the integrity of any European Site, either alone or in combination with other plans and projects.

The screening process concluded that an AA of the emerging Draft Plan would be required, as the Plan: is not directly connected with or necessary to the management of European Sites; and may, on the basis of objective information, individually, or in combination with other plans and projects, if unmitigated have adverse effects on the integrity of 5 (no.) European Sites.

Factors that could potentially affect the integrity of European Sites include:

- Provisions for issues, including those relating to urban framework and site development frameworks, people and homes, transport and movement, climate action - adaptation and mitigation, Dundrum multifunctional town and neighbourhood centres, employment and heritage and conservation, that introduce sources for effects through construction phase hydrological interactions; and
- Loading pressures from the operational phase of developments – these sources could result in disturbance effects and interactions with water quality.

Therefore, Stage 2 AA (including the preparation of the Natura Impact Report) is required for the emerging Draft Plan.

Dún Laoghaire-Rathdown County Council

LOCAL GOVERNMENT ACTS 1925 - 2014

RECORD OF EXECUTIVE BUSINESS CHIEF EXECUTIVE'S ORDERS

The undersigned, having carefully considered the information referred to above agrees with and adopts the reasoning and conclusion presented above. The undersigned hereby recommends pursuant to Section 177U of the Planning and Development Act 2000, as amended, and for the purposes of Article 6(3) of the Habitats Directive that it could not be excluded, on the basis of objective information, that the emerging Draft Plan, individually, or in combination with other plans and projects would have a likely adverse effect on the integrity of a European Site. Therefore, an AA is required.

Signed: Louise McGauran

Date: 29/5/2023

Louise McGauran, Senior Planner

The undersigned, having carefully considered the information referred to above agrees with and adopts the reasoning and conclusion presented above. The undersigned hereby determines pursuant to Section 177U of the Planning and Development Act 2000, as amended, and for the purposes of Article 6(3) of the Habitats Directive that it could not be excluded, on the basis of objective information, that the emerging Draft Plan, individually, or in combination with other plans and projects would have a likely adverse effect on the integrity of a European Site. Therefore, an AA is required.

Signed: Aidan Blighe

Date: 29/5/22

Aidan Blighe, Director of Planning and Economic Development

Thereunto empowered by order of Príomhfheidhmeannach, Comhairle Contae Dhún Laoghaire-Ráth An Dúin, Order No. 2452, dated 25/02/22, delegating to me all his powers, functions and duties in relation to the County Council of Dún Laoghaire-Rathdown in respect of this matter.

3.6 AA Screening Consideration following Public Display of Draft Plan⁷⁷

The designation of the North-west Irish Sea SPA [IE0004236] emerged following public display of the Draft Plan. Conservation Objectives were shared by the National Parks and Wildlife Service in September 2023.

Potential effects that could arise (see Section 3.5) above were therefore re-examined and it was concluded that the Plan:

- Is not directly connected with or necessary to the management of any European site; and
- May, if unmitigated, have likely significant effects on 6 (no.) European sites.

Therefore, a supplementary Stage 2 AA Screening for Appropriate Assessment Determination was undertaken by the planning authority following public display of the Draft Plan. This supplementary determination is provided at Figures 3.5 and 3.6.

⁷⁷ Refer also to Section 3.5 "AA Screening Consideration for the Draft Plan".

No.

Dún Laoghaire-Rathdown County Council

LOCAL GOVERNMENT ACTS 1925 - 2014

RECORD OF EXECUTIVE BUSINESS CHIEF EXECUTIVE'S ORDERS

Supplementary Screening for Appropriate Assessment

Determination

under
Section 177U of the Planning and Development Act 2000, as amended,
for the

Draft Dundrum Local Area Plan 2023-2029

The designation of the North-west Irish Sea SPA [IE0004236] emerged following display of the Draft Plan. Conservation Objectives were shared by the National Parks and Wildlife Service in September 2023.

Therefore, a supplementary Stage 2 AA Screening for Appropriate Assessment Determination is being undertaken by the planning authority following public display of the Draft Plan.

In order to comply with the requirements of the Planning and Development Act 2000, as amended, this determination has been made by Dún Laoghaire-Rathdown County Council relating to the potential for the Draft Dundrum Local Area Plan 2023-2029 to have effects on the integrity of European Sites.

In making the determination that Appropriate Assessment (AA) is required, the information on the potential effects on the integrity of European Sites arising from the Draft Plan is being taken into account (this information will be included in a Consolidated Natura Impact Report that is an updated version of the Natura Impact Report that was placed on public display alongside the Draft Plan). The process of screening for AA began at an early stage in the drafting of the Plan. The screening process assessed whether the Draft Plan had the potential to have effects on the integrity of any European Site, either alone or in combination with other plans and projects.

The screening process concluded that an AA of the Draft Plan would be required, as the Plan: is not directly connected with or necessary to the management of European Sites; and may, on the basis of objective information, individually, or in combination with other plans and projects, if unmitigated have adverse effects on the integrity of 6 (no.) European Sites.

Factors that could potentially affect the integrity of European Sites include:

- Provisions for issues, including those relating to urban framework and site development frameworks, people and homes, transport and movement, climate action - adaptation and mitigation, Dundrum multifunctional town and neighbourhood centres, employment and heritage and conservation, that introduce sources for effects through construction phase hydrological interactions; and
- Loading pressures from the operational phase of developments – these sources could result in disturbance effects and interactions with water quality.

Therefore, Stage 2 AA (including the preparation of the Natura Impact Report) is required for the Draft Plan.

The undersigned, having carefully considered the information referred to above agrees with and adopts the reasoning and conclusion presented above. The undersigned hereby recommends pursuant to Section 177U of the Planning and Development Act 2000, as amended, and for the purposes of Article 6(3) of the Habitats Directive that it could not be excluded, on the basis of objective information, that the Draft Plan, individually, or in combination with other plans and projects would have a likely adverse effect on the integrity of a European Site. Therefore, an AA is required.

Figure 3.5 Supplementary Screening for Appropriate Assessment Determination made following public display of the Draft Plan (Pg 1 of 2)

No.

Dún Laoghaire-Rathdown County Council

LOCAL GOVERNMENT ACTS 1925 - 2014


RECORD OF EXECUTIVE BUSINESS CHIEF EXECUTIVE'S ORDERS

Signed: *Louise McGauran*
Louise McGauran, Senior Planner

Date: *5/10/2023*

The undersigned, having carefully considered the information referred to above agrees with and adopts the reasoning and conclusion presented above. The undersigned hereby determines pursuant to Section 177U of the Planning and Development Act 2000, as amended, and for the purposes of Article 6(3) of the Habitats Directive that it could not be excluded, on the basis of objective information, that the Draft Plan, individually, or in combination with other plans and projects would have a likely adverse effect on the integrity of a European Site. Therefore, an AA is required.

Dated day of *05/10* / 2023


Approved Officer.

Thereunto empowered by order of Príomhfheidhmeannach, Comhairle Contae Dhún Laoghaire-Ráth An Dúin, Order No. *2515*, dated *28/04/23*, delegating to me all his powers, functions and duties in relation to the County Council of Dún Laoghaire-Rathdown in respect of this matter.

Figure 3.6 Supplementary Screening for Appropriate Assessment Determination made following public display of the Draft Plan (Pg 2 of 2)

Section 4 Stage 2 Appropriate Assessment

4.1 Introduction

The Stage 2 AA assesses whether the Plan, alone, or in-combination with other plans, programmes, and/or projects, would result in adverse impacts on the integrity of the 6 (no.) European sites brought forward from the screening for AA – i.e., those sites considered in Table 3.1, Section 3, for which a “Potential Likely Pathway for Significant Effects” and/or “Potential for Likely In-Combination Effects” was identified, with respect to site structure, function, Qualifying Interests, Special Conservation Interests, and Conservation Objectives of each European site considered.

4.2 Characterisation of European sites Potentially Affected

The AA Screening identified 6 (no.) European sites with pathway receptors for potential effects arising from the implementation of the Plan. Appendix I characterises each of the qualifying features of the 6 (no.) European sites brought forward from Stage 1 in context of each sites’ Qualifying Interests, Special Conservation Interests, and Conservation Objectives (as listed by the NPWS⁷⁸).

4.3 Identifying and Characterising Potential Significant Effects⁷⁹

The following parameters can be used when characterising impacts⁸⁰:

Direct and Indirect Impacts - An impact can be caused either as a direct or as an indirect consequence of a Plan/Project.

Magnitude - Magnitude measures the size of an impact, which is described as high, medium, low, very low or negligible.

Extent - The area over that the impact occurs – this should be predicted in a quantified manner.

Duration - The time that the effect is expected to last prior to recovery or replacement of the resource or feature.

- Temporary: Up to 1 Year;
- Short Term: The effects would take 1-7 years to be mitigated;
- Medium Term: The effects would take 7-15 years to be mitigated;
- Long Term: The effects would take 15-60 years to be mitigated; and
- Permanent: The effects would take 60+ years to be mitigated.

Likelihood – The probability of the effect occurring taking into account all available information.

- Certain/Near Certain: >95% chance of occurring as predicted;
- Probable: 50-95% chance as occurring as predicted;
- Unlikely: 5-50% chance as occurring as predicted; and
- Extremely Unlikely: <5% chance as occurring as predicted.

Ecologically Significant Impact - An impact (negative or positive) on the integrity of a defined site or ecosystem and/or the conservation status of habitats or species within a given geographic area.

Integrity of a Site - The coherence of its ecological structure and function, across its whole area, which enables it to sustain the habitat, complex of habitats and/or the levels of populations of the species for which it was classified.

The Habitats Directive requires the focus of the assessment at this stage to be on the integrity of the site as indicated by its Conservation Objectives. It is an aim of NPWS to draw up conservation management plans for all areas designated for nature conservation. These plans will, among other things, set clear objectives for the conservation of the features of interest within a site.

Site-Specific Conservation Objectives (SSCOs) have been prepared for a number of European sites. These detailed SSCOs aim to define favourable conservation condition for the qualifying habitats and species at that site by setting targets for appropriate attributes that define the character habitat.

The available site-specific conservation objectives are the clear objectives for the conservation of the features of interest within a site.

⁷⁸ Available at <https://www.npws.ie/protected-sites> .

⁷⁹ Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

⁸⁰ These descriptions are informed by publications including: Chartered Institute of Ecology and Environmental Management (2016) “Guidelines for ecological impact assessment”; Environmental Protection Agency (2002) “Guidelines on the Information to be contained in Environmental Impact Statements”; and National Roads Authority (2009) “Guidelines for Assessment of Ecological Impacts of National Roads Schemes”.

The maintenance of the favourable condition for these habitats and species at the site level will contribute to the overall maintenance of favourable conservation status of those habitats and species at a national level.

***Favourable conservation status of a species** can be described as being achieved when: 'population data on the species concerned indicate that it is maintaining itself, and the natural range of the species is neither being reduced or likely to be reduced for the foreseeable future, and there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis.'*

***Favourable conservation status of a habitat** can be described as being achieved when: 'its natural range, and area it covers within that range, is stable or increasing, and the ecological factors that are necessary for its long-term maintenance exist and are likely to continue to exist for the foreseeable future, and the conservation status of its typical species is favourable.'*

Generic Conservation Objective for SACs:

- To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species that the SAC has been selected.

One generic Conservation Objective for SPAs:

- To maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA.

4.3.1 Types of Potential Effects

Assessment of potential impacts on European sites is conducted utilising a standard source-pathway model (see approach referred to under Sections 1.3 and 3).

The 2002 European Commission AA guidance outlines the following potential changes that may occur at a designated site, which may result in effects on the integrity and function of that site: loss/reduction of habitat area; habitat or species fragmentation; disturbance to key species; reduction in species density; changes in key indicators of conservation value (water quality etc.); and climate change.

Relevant potential changes are considered in Table 4.1 with reference to the QIs/SCIs of all of the European sites brought forward from Stage 1 of the AA process (see Section 3).

4.3.1.1 Loss/Reduction of Habitat Area

The Plan provides a framework for granting consent for land use developments and activities across various sectors (see Section 2). Potential effects arising from developments and activities include disturbance effects through light and noise pollution, dust, hydrological interactions, and airborne pollution.

Various measures have been integrated into the Plan with the objective of ensuring that there are no significant effects on the ecological integrity of any European site, which are provided in Section 5 below. These policies ensure that there will be no loss of habitat or supporting habitat for species that are necessary to maintain the ecological integrity of European sites.

4.3.1.2 Habitat or species Fragmentation

The Plan provides a framework for granting consent for land use developments and activities across various sectors (see Section 2). Potential effects arising from developments and activities include the fragmentation of habitat and or species through, for example, light pollution, noise pollution or removal of stepping stone habitats.

The Plan includes measures to minimise potential fragmentation and to facilitate the enhancement of ecological corridors such as, planting of native tree species and/or management of habitats such as woodlands.

Further to the provisions referred to above, there are provisions related to non-designated sites and specific ecological resources and/or habitats such as hedgerows, waterways, wetlands and peatlands that will ensure that habitat or species fragmentation, including barrier effects, does not occur in relation to the connectivity of the ecological resources necessary to maintain the ecological integrity of European sites. A full list of these mitigation measures is provided in Section 5.

4.3.1.3 Disturbance to Key Species

The Plan provides a framework for granting consent for land use developments and activities across various sectors (see Section 2).

Disturbance effects are caused by any activity that has potential to alter the movement patterns or distribution of species, for example direct disturbance through human activity/movement as a result of recreation/tourism or noise pollution. Recreational/tourism activities will be managed through provisions from both the Local Area Plan itself, and the existing Dún Laoghaire-Rathdown County Development Plan 2022-2028 and Dublin Noise Action Plan 2018-2023 (Dún Laoghaire-Rathdown).

Further details on the mitigation measures integrated into the Plan is provided at Section 5.

4.3.1.4 Reduction in species density

Species densities are reliant on species distributions, habitat condition, connectivity of ecological resources and availability of resources such as prey/food. The Plan introduces potential sources for effects to affect these four determinant factors for species densities in the form of construction phase effects such as hydrological interaction or operational effects such as disturbance effects, habitat encroachment and trampling. However, the Plan contains provisions to enhance biodiversity, landscape and the environment within the Plan area.

The Plan includes provisions related to non-designated sites and specific ecological resources and/or habitats such as hedgerows, treelines, the River Slang, the River Dodder and the Wyckham Stream, that will ensure that habitat or species fragmentation, including barrier effects, does not occur in relation to the connectivity of the ecological resources necessary to maintain the species' densities and ecological integrity of European sites. Measures are also included in the Plan and/or in the existing Dún Laoghaire-Rathdown County Development Plan 2022-2028 that will help protect and improve water quality interactions, which can influence species densities, including those relating to water services infrastructure, protective buffer zones and water quality standards.

4.3.1.5 Changes of Indicators of Conservation Value

Indicators of conservation value are identified as key ecological resources such as water quality, air quality, habitat quality, population health of ecosystem engineers or 'keystone species' etc. The protection of these resources is a key focus of the Plan and the existing Dún Laoghaire-Rathdown County Development Plan 2022-2028.

The Plan contains many robust policies and objectives to ensure the protection of both ground and surface water quality, and riverine systems and habitat quality as provided the full list of mitigation measures in Table 5.1.

4.3.1.6 Climate change

Climate provisions within the existing Dún Laoghaire-Rathdown County Development Plan 2022-2028 provide for policies that will ensure alignment with and adherence to emissions targets locally and nationally. The Local Area Plan includes various provisions, as listed in Section 5 below, that will help to contribute towards climate mitigation, the reduction of emissions and meeting climate targets. Therefore, at the Plan level, greenhouse gas emissions arising from the Plan will not affect changes projected to arise from climate change to the degree that it would affect the QIs or SCIs of the European sites considered.

Table 4.1 Characterisation of Potential Effects arising from the Plan

Site Code	Site Name	Characterisation of Potential Effects
000206	North Dublin Bay SAC	<p>The known threats to this site are: burning down, golf course, antagonism with domestic animals, discharges, grazing, diffuse pollution to surface waters due to other sources not listed, intensive maintenance of public parks or cleaning of beaches, bait digging or collection, nautical sports, other point source pollution to surface water, urbanised areas, human habitation, industrial or commercial areas, invasive non-native species, walking, horse-riding and non-motorised vehicles, leisure fishing.</p> <p>These pressures relate to: agriculture, hydrological changes, built environment, urbanisation, direct land use management, waste, fisheries, tourism, human habituation and invasive species.</p> <p>No direct land take or habitat loss will occur due to implementation of the Plan, whether within any European sites or within any connecting corridors necessary to support the ecological integrity of the site, due to Policy Objectives such as: CMH11, DLAP31, GI4, GI5, PR3 and TC10.</p> <p>Provision for the protection of riverine systems in the Plan area are adequately provided for via policies such as: DLAP40, GI3 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>The Plan also provides for the appropriate management of flood risk zones and measures to mitigate against flood risk within the Plan area via policies such as: DLAP35.</p> <p>The provision and maintenance of good water quality standards and services throughout the Plan area relative to pollutants is provided for via policies such as: CMH12, DLAP32, DLAP33, DLAP34, TC10 and DM7.</p> <p>The sustainable management of tourism in the Plan area is provided for with policies such as: DLAP47 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>The development of Dundrum’s built environment with appropriate regard to ecological sensitivities is provided for in the Plan via Policy Objectives such as: OSC1, OSC7, OSC16 and TC10.</p> <p>The appropriate and sustainable management of waste within the Plan boundary is provided for via alignment with and adherence to the Dún Laoghaire–Rathdown County Development Plan 2022-2028 Policy Objectives (refer to Section 1.3 of the Local Area Plan) in the Plan. This policy therefore renders any development or project resulting from the implementation of this Plan subject to compliance with Policy Objectives EI 11 and EI 13 of the Dún Laoghaire–Rathdown County Development Plan 2022-2028.</p> <p>The management of invasive species occurrence and risk is accounted for in the Plan via policies such as: CMH11</p> <p>There are no provisions in the Plan which introduce sources for potential effect from fisheries or agriculture within the Plan area, therefore there are no sources for effects in these regards.</p> <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>
000210	South Dublin Bay SAC	<p>The known threats to this site are: discharges, marine water pollution, bait digging or collection, reclamation of land from sea, estuary or marsh, roads, motorways, biocenotic evolution, succession, nautical sports, walking, horse-riding and non-motorised vehicles, accumulation of organic material, non-motorized nautical sports, industrial or commercial areas, changes in abiotic conditions, paths, tracks, cycling tracks, urbanised areas, human habitation.</p> <p>These pressures relate to: waste, pollution, hydrological changes, fisheries, land take, urbanisation, tourism and human habituation.</p> <p>No direct land take or habitat loss will occur due to implementation of the Plan, whether within any European sites or within any connecting corridors necessary to support the ecological integrity of the site, due to Policy Objectives such as: CMH11, DLAP31, GI4, GI5, PR3 and TC10</p> <p>Provision for the protection of riverine systems in the Plan area are adequately provided for via policies such as: DLAP40, GI3 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>The Plan also provides for the appropriate management of flood risk zones and measures to mitigate against flood risk within the Plan area via policies such as: DLAP35.</p> <p>The provision and maintenance of good water quality standards and services throughout the Plan area relative to pollutants is provided for via policies such as: CMH12, DLAP32, DLAP33, DLAP34, TC10 and DM7.</p> <p>The sustainable management of tourism in the Plan area is provided for with policies such as: DLAP47 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>The development of Dundrum’s built environment with appropriate regard to ecological sensitivities is provided for in the Plan via Policy Objectives such as: OSC1, OSC7, OSC16 and TC10.</p> <p>The appropriate and sustainable management of waste within the Plan boundary is provided for via alignment with and adherence to the Dún Laoghaire–Rathdown County Development Plan 2022-2028 Policy Objectives (refer to Section 1.3 of the Local Area Plan). This policy therefore renders any development or project resulting from the implementation of this Plan subject to compliance with Policy Objectives EI 11 and EI 13 of the Dún Laoghaire–Rathdown County Development Plan 2022-2028.</p> <p>There are no provisions in the Plan which introduce sources for potential effect from fisheries within the Plan area, therefore there are no sources for effects in this regard.</p> <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>

Site Code	Site Name	Characterisation of Potential Effects
004006	North Bull Island SPA	<p>The known threats to this site are: discharges, interpretative centres, continuous urbanisation, bait digging or collection, golf course, shipping lanes, industrial or commercial areas, walking, horse-riding and non-motorised vehicles, roads, motorways, nautical sports, bridge, viaduct, other patterns of habitation.</p> <p>These pressures relate to: waste, pollution, urbanisation, fisheries, tourism, human habituation and coastal development.</p> <p>No direct land take or habitat loss will occur due to implementation of the Plan, whether within any European sites or within any connecting corridors necessary to support the ecological integrity of the site, due to Policy Objectives such as: CMH11, DLAP31, GI4, GI5, PR3 and TC10.</p> <p>The provision and maintenance of good water quality standards and services throughout the Plan area relative to pollutants is provided for via policies such as: CMH12, DLAP32, DLAP33, DLAP34, TC10 and DM7.</p> <p>The development of Dundrum’s built environment with appropriate regard to ecological sensitivities is provided for in the Plan via Policy Objectives such as: OSC1, OSC7, OSC16 and TC10.</p> <p>The appropriate and sustainable management of waste within the Plan boundary is provided for via alignment with and adherence to the Dún Laoghaire–Rathdown County Development Plan 2022-2028 Policy Objectives (refer to Section 1.3 of the Local Area Plan). This policy therefore renders any development or project resulting from the implementation of this Plan subject to compliance with Policy Objectives EI 11 and EI 13 of the Dún Laoghaire–Rathdown County Development Plan 2022-2028.</p> <p>The sustainable management of tourism in the Plan area is provided for with policies such as: DLAP47 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>There are no provisions in the Plan which introduce sources for potential effect from fisheries or coastal development within the Plan area, therefore there are no sources for effects in these regards.</p> <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>
004024	South Dublin Bay and Tolka Estuary SPA	<p>The known threats to this are: roads, motorways, urbanised areas, human habitation, bait digging or collection, leisure fishing, eutrophication (natural), nautical sports, discharges, reclamation of land from sea, estuary or marsh, industrial or commercial areas, walking, horse-riding and non-motorised vehicles.</p> <p>These pressures relate to: urbanisation, human habituation, fisheries, tourism, pollution, waste and land take.</p> <p>No direct land take or habitat loss will occur due to implementation of the Plan, whether within any European sites or within any connecting corridors necessary to support the ecological integrity of the site, due to Policy Objectives such as: CMH11, DLAP31, GI4, GI5, PR3 and TC10</p> <p>The provision and maintenance of good water quality standards and services throughout the Plan area relative to pollutants is provided for via policies such as: CMH12, DLAP32, DLAP33, DLAP34, TC10 and DM7.</p> <p>The development of Dundrum’s built environment with appropriate regard to ecological sensitivities is provided for in the Plan via Policy Objectives such as: OSC1, OSC7, OSC16 and TC10.</p> <p>The appropriate and sustainable management of waste within the Plan boundary is provided for via alignment with and adherence to the Dún Laoghaire–Rathdown County Development Plan 2022-2028 Policy Objectives (refer to Section 1.3 of the Local Area Plan). This policy therefore renders any development or project resulting from the implementation of this Plan subject to compliance with Policy Objectives EI 11 and EI 13 of the Dún Laoghaire–Rathdown County Development Plan 2022-2028.</p> <p>The sustainable management of tourism in the Plan area is provided for with policies such as: DLAP47 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>There are no provisions in the Plan which introduce sources for potential effect from fisheries within the Plan area, therefore there are no sources for effects in this regard.</p> <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>
004236	North-west Irish Sea SPA ⁸¹	<p>The known threats and pressures to this site have yet to be published by the NPWS at the time that this assessment report was written; however, considering the threats and pressures to surrounding SPAs that have been published (see Appendix I), which have been designated for the same species for which the North-west Irish Sea SPA has been designated for (Appendix I), and in view of the Conservation Objectives for the North-west Irish Sea SPA; it can be assumed that pressures related to this site are of similar nature within pathway consideration zone for the Plan – which extends to Dublin Bay. These threats are pressures are: fisheries, tourism, pollution, human habituation, urbanisation, waste and coastal development.</p> <p>No direct land take or habitat loss will occur due to implementation of the Plan, whether within any European sites or within any connecting corridors necessary to support the ecological integrity of the site, due to Policy Objectives such as: CMH11, DLAP31, GI4, GI5, PR3 and TC10.</p> <p>The provision and maintenance of good water quality standards and services throughout the Plan area relative to pollutants is provided for via policies such as: CMH12, DLAP32, DLAP33, DLAP34, TC10 and DM7.</p> <p>The development of Dundrum’s built environment with appropriate regard to ecological sensitivities is provided for in the Plan via Policy Objectives such as: OSC1, OSC7, OSC16 and TC10.</p>

⁸¹ The designation of this SPA emerged following public display of the Draft Plan and Conservation Objectives were shared by the National Parks and Wildlife Service in September 2023. This SPA was therefore added following public display of the Draft Plan and associated documents.

Site Code	Site Name	Characterisation of Potential Effects
		<p>The appropriate and sustainable management of waste within the Plan boundary is provided for via alignment with and adherence to the Dún Laoghaire–Rathdown County Development Plan 2022-2028 Policy Objectives (refer to Section 1.3 of the Local Area Plan). This policy therefore renders any development or project resulting from the implementation of this Plan subject to compliance with Policy Objectives EI 11 and EI 13 of the Dún Laoghaire–Rathdown County Development Plan 2022-2028.</p> <p>The sustainable management of tourism in the Plan area is provided for with policies such as: DLAP47 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>There are no provisions in the Plan which introduce sources for potential effect from fisheries or coastal development within the Plan area, therefore there are no sources for effects in these regards.</p> <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>
001209	Glenasmole Valley SAC	<p>The known threats to this site are: grazing, invasive non-native species, mowing or cutting of grassland, non-intensive sheep grazing, diffuse pollution to surface waters due to agricultural and forestry activities, car parks and parking areas, forestry clearance, diffuse groundwater pollution due to non-sewered population, artificial planting on open ground (non-native trees), non-intensive cattle grazing, non-intensive horse grazing, human induced changes in hydraulic conditions, fertilisation, forest replanting (non-native trees), forest planting on open ground (native trees), roads, paths and railroads, discontinuous urbanisation, abandonment or lack of mowing, diffuse pollution to surface waters due to household sewage and waste waters, peat extraction, leisure fishing.</p> <p>These pressures relate to: agriculture, invasive species, pollution, urbanisation, forestry, hydrological changes, human habituation, waste, direct land use management and tourism.</p> <p>No direct land take or habitat loss will occur due to implementation of the Plan, whether within any European sites or within any connecting corridors necessary to support the ecological integrity of the site, due to Policy Objectives such as: CMH11, DLAP31, G14, G15, PR3 and TC10.</p> <p>The Plan also provides for the appropriate management of flood risk zones and measures to mitigate against flood risk within the Plan area via policies such as: DLAP35.</p> <p>The provision and maintenance of good water quality standards and services throughout the Plan area relative to pollutants is provided for via policies such as: CMH12, DLAP32, DLAP33, DLAP34, TC10 and DM7.</p> <p>The development of Dundrum’s built environment with appropriate regard to ecological sensitivities is provided for in the Plan via Policy Objectives such as: OSC1, OSC7, OSC16 and TC10.</p> <p>The appropriate and sustainable management of waste within the Plan boundary is provided for via alignment with and adherence to the Dún Laoghaire–Rathdown County Development Plan 2022-2028 Policy Objectives (refer to Section 1.3 of the Local Area Plan). This policy therefore renders any development or project resulting from the implementation of this Plan subject to compliance with Policy Objectives EI 11 and EI 13 of the Dún Laoghaire–Rathdown County Development Plan 2022-2028.</p> <p>The management of invasive species occurrence and risk is accounted for in the Plan via policies such as: CMH11.</p> <p>The sustainable management of tourism in the Plan area is provided for with policies such as: DLAP47 and those of the County Development Plan (refer to Section 1.3 of the Local Area Plan).</p> <p>There are no provisions in the Plan which introduce sources for potential effect from forestry and agriculture within the Plan area, therefore there are no sources for effects in these regards.</p> <p>For further details in relation to mitigation measures/Policy Objectives incorporated into the Plan please refer to Section 5 below.</p>

Section 5 Mitigation Measures

5.1 Introduction

This section outlines measures that have been incorporated into the Local Area Plan and associated existing Dún Laoghaire- County Development Plan 2022-2028 in order to mitigate against potential effects to European sites as identified above.

These mitigation measures ensure that there will be no significant effects to the ecological integrity of any European site from implementation of the Plan. The mitigation measures most relevant to the protection of European sites are identified in Table 5.1 below.

5.2 Integration of individual provisions into the text of the Local Area Plan and the Dún Laoghaire-Rathdown County Development Plan 2022-2028

Various text-based provisions have been integrated into the text of the Local Area Plan relevant to the protection of European sites through the Plan-preparation and AA and Strategic Environmental Assessment processes.

In addition to the individual provisions integrated into the text of the Local Area Plan, individual provisions relating to the protection of European sites have been integrated into the existing Dún Laoghaire-Rathdown County Development Plan 2022-2028.

The most relevant text-based mitigation measures from both the Local Area Plan and the Dún Laoghaire-Rathdown County Development Plan 2022-2028 are identified in Table 5.1 below.

Table 5.1 Measures that will protect European sites and their sustaining resources⁸²

Component ⁸³	Development Objectives / Mitigation Measure(s)
Alignment with Dún Laoghaire–Rathdown County Development Plan 2022-2028	As identified under Section 1.3 of the Local Area Plan: The County Development Plan sits higher in the planning hierarchy and as such, the policy objectives contained in the CDP pertain to the LAP lands. They are not generally duplicated in the DLAP. It is a provision of this Plan to ensure that all of the provisions from the County Development Plan identified as mitigation in the SEA Environmental Report and Natura Impact Report shall apply regardless of whether the County Development Plan expires and/or is reviewed.
Natural Heritage and Biodiversity	<p>As identified under Section 5.4.1 of the Local Area Plan: Proposals for development, including those that interact with or cross the Slang River, such as blueways and greenways, shall be subject to Appropriate Assessment under the Habitats Directive.</p> <p>Objective CMH11: Any redevelopment of the site shall provide a landscape and biodiversity strategy which protects and enhance the ecology of the site and shall include for the:</p> <ul style="list-style-type: none"> • Retention of the trees and treelines which contribution to heritage, landscape character, ecology and climate adaptation. • Suitable supplementary planting. • Retention of the existing drainage ditch on site which traverses the site towards the south western corner of the walled garden. • Provision of new habitats and nesting and roosting opportunities for birds and mammals. • Management of invasive species. <p>Policy DLAP31 – Protected areas and habitats and species: It is policy to:</p> <ul style="list-style-type: none"> • Conserve Protected Areas and other high-quality habitats and species thereby ensuring a rich and diverse environment within the Plan area. • Ensure biodiversity is factored into nature based solutions when developing proposals within the DLAP area. • Conserve and restore biodiversity in line with the key theme of the Dún Laoghaire-Rathdown County Biodiversity Action Plan 2021 – 2025. <p>Objective GI1 – Dodder/Slang corridor and linkages: It is an objective to enhance and develop green linkages and corridors along the Dodder and Slang rivers and the Wyckham Stream.</p> <p>Objective GI2 – Wildlife Corridor: It is an objective to</p> <ul style="list-style-type: none"> • Allow the relevant wildlife corridor – <i>Ticknock to the River Dodder Corridor</i> - as set out in the Dún Laoghaire-Rathdown County Biodiversity Action Plan 2021 - 2025 to inform decision making within the DLAP area. • Identify opportunities to enhance and restore the Ticknock to River Dodder Wildlife Corridor within the LAP lands. <p>Objective GI3 – Deculverting: It is an objective in accordance with the GI strategy of the County Development Plan 2022 - 2028 to seek opportunities where appropriate to open up the culverted elements of the River Slang and reconnect the riverine habitats. Any such proposals shall have regard to SFRA requirements and Appropriate Assessment requirements.</p> <p>Objective GI4 – Hedgerows: It is an objective to protect and maintain important hedgerows/tree lines where appropriate within the LAP lands (including all those identified in the 'DLR Biodiversity Action Plan, 2021-2025' and any hedgerows which form part of townland boundaries) and promote native hedgerow enhancement and planting.</p> <p>Objective GI5 – Extension and Enhancement of Woodlands: It is an objective to - where possible - enhance and extend suitable woodland areas and treelines within the LAP lands. Any woodlands or treelines within areas demarcated as wildlife corridors and/or hedgerows on the Wildlife Corridor Map contained in the 'DLR Biodiversity Action Plan, 2021-2025' are targeted for enhancement and extension under this objective.</p> <p>Objective GI6– Re-wilding and Habitat Cultivation: It is an objective to support the development and implementation of re-wilding/wildlife cultivation projects on appropriate sites within the LAP and to promote the use of these sites for the enhancement and preservation of Biodiversity on the Ticknock to River Dodder Wildlife Corridor.</p> <p>Objective GI8 – Dundrum Library/HSE site It is an objective to provide a local park incorporating SUDs, wetland and semi natural habitat elements on the site to the rear of the existing Carnegie library. Any proposals should explore wildlife corridor connectivity along the river and between the site and Finsbury Park and Sweetmount Park</p> <p>Objective PR2 – Dundrum Bypass: It is an objective to improve the animation of the Dundrum Bypass through increased planting including tree planting, additional crossing points and active frontages.</p> <p>Objective PR3 – Dundrum Main Street Tree Planting and Urban Greening: It is an objective to support and promote additional tree planting and urban greening at appropriate locations on public and privately-owned lands fronting Main Street connecting into the line of mature trees on Sandyford Road.</p> <p>Objective TC10: Introduce new street trees at an appropriate scale and other urban greening measures.</p> <p>Objective DM6: Planting on the site shall continue the mature tree line identified along Sandyford Road thus providing a green connection to the Main Street and associated public spaces.</p>

⁸² Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

⁸³ The measures generally benefit multiple environmental components i.e., a measure providing for the protection of water could beneficially impact upon the protection of biodiversity, flora and fauna, for example. All of the measures included in this table would benefit the protection of European sites.

Component ⁸³	Development Objectives / Mitigation Measure(s)
Surface water courses (*WFD)	<p>Policy DLAP40 – Water Framework Directive: It is policy to facilitate compliance with the requirements of the EU Water Framework Directive and any relevant legislation. In this regard, the Council will facilitate compliance with the relevant objectives and measures set out in the forthcoming 'River Basin Management Plan' (2022- 2028) and associated Programme of Measures, where relevant.</p>
Water services, groundwater and water quality	<p>Objective CMH12: Implement a surface water management strategy that provides a multi-level treatment train and which mimics natural processes to infiltrate and reuse surface water runoff, within the site curtilage, as much as possible.</p> <p>Policy DLAP32 – Sustainable Water Management: It is a policy to implement the main elements of the DLR GI strategy in relation to water management including:</p> <ul style="list-style-type: none"> • Reducing the rate, volume, and improve the quality of surface water runoff. • Managing runoff at -source through the use of infiltration systems. • Promoting local sustainable urban drainage systems (SuDS), 'Green Streets' and green roofs. • Enabling SuDS to be located in the public realm. • Utilizing the river Slang where possible as a natural foundation for a GI corridors. <p>Policy DLAP33– SuDS: It is policy to ensure that Sustainable Drainage Systems (SuDS) is applied to any development in the DLAP area and that site specific solutions to surface water drainage systems are developed which meet the requirements of the Water Framework Directive and associated River Basin Management Plan. SuDS measures may include green roofs, permeable paving, detention basins, infiltration systems etc.</p> <p>Policy DLAP34 – Surface Waters Regulations: It is a policy to ensure the implementation of the surface water legislation Environmental Objectives (Surface Waters) Regulations 2009 to ensure that development permitted would not have an unacceptable impact on water quality including surface waters, ground water, river corridors, estuarine waters, bathing waters, coastal and transitional waters. Development within the LAP area shall comply with the policies and objectives of the County Development Plan relating to protection of existing water and drainage infrastructure.</p> <p>Objective G17 – Slang Parkland SuDS measures: It is an objective that any areas of potential future linear parkland located along the Slang should look to incorporate features such as linear swales, bio-retention areas, filter drains etc. as part of any potential future works.</p> <p>Objective G18 Dundrum Library site & SuDS measures: It is an objective that any future works to the Dundrum Library site and existing brownfield site located to the rear shall look to incorporate as many SuDS elements as practical during the initial design stage.</p> <p>Objective TC10: SuDS measures which shall integrate fully with the landscaping plan.</p> <p>Objective DM7: Sustainable Urban Drainage Systems solutions shall be fully integrated into the landscape design of the proposed development.</p> <p>Objective CMH12: Implement a surface water management strategy that provides a multi-level treatment train and which mimics natural processes to infiltrate and reuse surface water runoff, within the site curtilage, as much as possible.</p> <p>Policy DLAP41 – Supporting Irish Water: It is policy to support Irish Water in the provision of adequate water and waste water treatment infrastructure to serve the needs of the existing and future population of the Plan area and ensuring that such infrastructure is provided prior to, or in tandem with, new development.</p> <p>Policy DLAP39 – Wastewater Treatment: It is policy to facilitate Irish Water in ensuring that all wastewater generated is collected, treated and discharged after treatment in a safe and sustainable manner, having regard to the standards and requirements set out in EU and national legislation and guidance.</p> <p>Policy DLAP40 – Water Framework Directive: It is policy to facilitate compliance with the requirements of the EU Water Framework Directive and any relevant legislation. In this regard, the Council will facilitate compliance with the relevant objectives and measures set out in the forthcoming 'River Basin Management Plan' (2022- 2028) and associated Programme of Measures, where relevant.</p> <p>Policy DLAP41 – Groundwater: It is policy to ensure the protection of groundwater resources within the DLAP area and associated habitats and species in accordance with the EU Groundwater Directive. All new planning applications within the DLAP boundary shall have regard to the likely impacts the proposed development may have on groundwater resources.</p>
Tourism	<p>As identified under Section 1.3 of the Local Area Plan: The County Development Plan sits higher in the planning hierarchy and as such, the policy objectives contained in the CDP pertain to the LAP lands. They are not generally duplicated in the DLAP. It is a provision of this Plan to ensure that all of the provisions from the County Development Plan identified as mitigation in the SEA Environmental Report and Natura Impact Report shall apply regardless of whether the County Development Plan expires and/or is reviewed.</p> <p>As identified under Section 5.4.1 of the Local Area Plan: Proposals for development, including those that interact with or cross the Slang River, such as blueways and greenways, shall be subject to Appropriate Assessment under the Habitats Directive.</p> <p>Policy DLAP47 – Tourism: It is a policy to promote and secure sustainable tourism activity within Dundrum in conjunction with the appropriate agencies.</p>
Built environment	<p>Objective OSC1: Any redevelopment of the site shall: Ensure that there is a network of legible connected routes through the site - both north south and east west - to adjoining streets and open spaces. Improve the walking environment along Dundrum Bypass, introduce new street trees at an appropriate scale and provide at grade crossings. Enhance the walking environment on Main Street further by providing generous footways, opportunities to sit, street trees and other urban greening.</p>

Component ⁸³	Development Objectives / Mitigation Measure(s)
	<p>Objective OSC7: Any redevelopment of the site shall: Provide new urban greening in front of Glenville Terrace to enhance the setting of the Dundrum ACA. Require a street planting strategy with suitable trees and planting along the bypass and also along Main Street where it should connect to an enhanced tree line on Sandyford Road.</p> <p>Objective OSC16 Provide mature tree planting along the Bypass. Provide a green corridor running east west across the site and the bypass connecting Main Street, the new local park and an upgraded and enhanced Sweetmount Park.</p> <p>Objective TC10: Seek to reuse any demolition and excavated materials.</p> <p>Objective DM8: Encourage the use of district heating on this site along with suitable renewable energy technologies.</p> <p>Objective DBP4 – Pedestrian and Cyclist Access: It is an objective to support and facilitate enhanced pedestrian and cyclist access to Dundrum Business Park, including through the provision of a new active travel link from Beechmount Drive.</p> <p>Objective DBP5 – Cycle Infrastructure: It is an objective to support the provision of additional cycle infrastructure as part of any upgrade or redevelopment works within Dundrum Business Park, including dedicated secure cycle parking, lockers and shower facilities.</p> <p>Objective T14 – Dodder to Dundrum Pedestrian and Cycle Route: It is an objective of the Local Area Plan, to create a new pedestrian and cycle route connecting the Dodder Greenway to Dundrum Major Town Centre via the site of the former Dundrum Central mental Hospital, subject to Appropriate Assessment where required.</p>
Invasive species	<p>Objective CMH11: Any redevelopment of the site shall provide a landscape and biodiversity strategy which protects and enhance the ecology of the site and shall include for the: Management of invasive species.</p>
Flood Risk Management	<p>Policy DLAP35 – Flood Risk Assessment: It is policy to manage flood risk in the DLAP area in accordance with the requirements of The Planning System and Flood Risk Management Guidelines for Planning Authorities, DECLG and OPW (2009) and Circular PL02/2014 (August 2014). require all proposed developments to carry out a Site-Specific Flood Risk Assessment that shall demonstrate compliance with: The Planning System and Flood Risk Management, Guidelines for Planning Authorities (DEHLG/OPW, 2009), as may be revised and/or updated. The prevailing Dún Laoghaire-Rathdown County Development Plan. Any SSFRA shall not be required to carry out a Plan-Making Justification Test, given that this exercise was already carried out at County Development Plan-level. The SSFRA shall pay particular emphasis to site specific mitigation measures and any necessary management measures, as per Appendix B4 of the above 2009 National Guidelines.</p>
Light, air & noise pollution	<p>Policy DLAP27 – Improved Environment: It is policy to seek to improve the air quality and pedestrian environment along the streets through Dundrum village including, Main St, Sandyford Road, Kilmacud Rd Upper and Ballinteer Road as well as at school zones and along the main pedestrian access routes immediately adjacent to the school.</p>
Climate / Renewable Energy/ Sustainable Transport	<p>Objectives OSC17 and CMH13: Any redevelopment of the site shall</p> <ul style="list-style-type: none"> • Seek to maximise the reuse of existing buildings on site and reuse of demolition and excavated materials. • Encourage the use of district heating on this site along with suitable renewable energy technologies. <p>Objective TC2: Any development shall:</p> <ul style="list-style-type: none"> • Improve the walking environment for this busy location to provide for various movement patterns to the luas, bus stops, old shopping centre and through to Taney Cross. • Provide for shared access for pedestrian and cyclists across the plaza area. • Provide for a mobility hub (cycle parking and e-mobility). • Co-ordinate cycle parking with the provision of cycle and scooter parking (including emobility) for the Luas and bus interchange. <p>Objective TC3: Any development shall provide clear wayfinding around the public transport interchange area (LUAS stop and bus interchange) and consider the integration of the proposed development with the old shopping centre land parcel to create a cohesive arrival space into Dundrum from the LUAS and buses.</p> <p>Objective DM6: Planting on the site shall continue the mature tree line identified along Sandyford Road thus providing a green connection to the Main Street and associated public spaces.</p> <p>Objective CMH2: Any redevelopment shall: Provide a continuous pedestrian and cycle link of 5 metres in width from Mulvey Park to Larchfield Road through the site and on from the southern boundary through Rosemont Green. Emergency access for vehicles (emergency or other) shall be facilitated on this link. Provide additional pedestrian and cycle access points at Annville Park and at location(s) to the east (where an opportunity arises).</p> <p>Policy DLAP36 – Sustainable Energy Use: It is a policy to: Support the initiatives where relevant of any Sustainable Energy Communities within Dundrum. Support initiatives where relevant which improve sustainable energy use within the Plan lands.</p>

Component ⁸³	Development Objectives / Mitigation Measure(s)
	<p>Policy DLAP37 – Renewable Energy Use: It is a policy to:</p> <ul style="list-style-type: none"> • encourage and support the development of solar energy infrastructure, including photo voltaic (PV) in appropriate locations. • support the development of district heat networks and the utilisation of waste heat recovery.
Green/Blue Infrastructure	<p>As identified under Section 1.3 of the Local Area Plan: The County Development Plan sits higher in the planning hierarchy and as such, the policy objectives contained in the CDP pertain to the LAP lands. They are not generally duplicated in the DLAP. It is a provision of this Plan to ensure that all of the provisions from the County Development Plan identified as mitigation in the SEA Environmental Report and Natura Impact Report shall apply regardless of whether the County Development Plan expires and/or is reviewed.</p> <p>As identified under Section 5.4.1 of the Local Area Plan: Proposals for development, including those that interact with or cross the Slang River, such as blueways and greenways, shall be subject to Appropriate Assessment under the Habitats Directive.</p> <p>Objective T21 – Dodder to Dundrum Pedestrian and Cycle Route: It is an objective of the Local Area Plan, to create a new pedestrian and cycle route connecting the Dodder Greenway to Dundrum Major Town Centre via the site of the former Dundrum Central mental Hospital.</p>
Waste Management	<p>As identified under Section 1.3 of the Local Area Plan: The County Development Plan sits higher in the planning hierarchy and as such, the policy objectives contained in the CDP pertain to the LAP lands. They are not generally duplicated in the DLAP. It is a provision of this Plan to ensure that all of the provisions from the County Development Plan identified as mitigation in the SEA Environmental Report and Natura Impact Report shall apply regardless of whether the County Development Plan expires and/or is reviewed.</p>

Section 6 Conclusion

A Stage 1 Appropriate Assessment Screening Report and Stage 2 Appropriate Assessment Natural Impact Report have been produced. Implementation of the Plan to be adopted⁸⁴ has the potential to result in potential significant effects to 6 (no.) European sites, if unmitigated.

The risks to the safeguarding and integrity of the Qualifying Interests, Special Conservation Interests and Conservation Objectives of the European sites have been addressed by the inclusion of mitigation measures into the Plan that will, in addition to the measures already in force through the Dún Laoghaire–Rathdown County Development Plan 2022-2028, prioritise the avoidance of effects in the first place and mitigate effects where these cannot be avoided. In addition, all lower-level plans and projects arising through the implementation of the Plan will themselves be subject to AA/screening for AA when further details of design and location are known.

In-combination effects from interactions with other plans and projects was considered in the assessment and the mitigation measures incorporated into the Plan are seen to be robust to ensure there will be no significant effects as a result of the implementation of the Plan either alone or in-combination with other plans/projects.

Considering measures already in force through the Dún Laoghaire–Rathdown County Development Plan 2022-2028 and having incorporated mitigation measures into the Local Area Plan, it is concluded that the Dundrum Local Area Plan 2023 to be adopted⁸⁵ is not foreseen to give rise to any significant adverse effects to designated European sites, alone or in combination with other plans or projects⁸⁶. This evaluation is made in view of the conservation objectives of the habitats and/or species, for which these sites have been designated.

The AA process will be concluded at adoption of the Plan.

⁸⁴ Incorporating: the Draft Plan; and all and any non-material alterations considered by the AA process. Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

⁸⁵ Incorporating: the Draft Plan; and all and any non-material alterations considered by the AA process. Note that non-material changes to individual Plan provisions referenced in this report may be updated during the finalisation of the Plan, including numbering, formatting and graphic design.

⁸⁶ Except as provided for in Article 6(4) of the Habitats Directive, viz. There must be:

- a) no alternative solution available,
- b) imperative reasons of overriding public interest for the plan to proceed; and
- c) Adequate compensatory measures in place.

Appendix I Background information on European sites

List of European sites within 15 km of the Plan boundary; including the Qualifying features (Qualifying Interests or Special Conservation Interests) and Site Vulnerability/Sensitivity

Site Code	Site Name	Qualifying Feature	Pressures Codes	Known Threats and Pressures
000199	Baldoye Bay SAC	Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Salicornia and other annuals colonising mud and sand [1310], Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330], Mudflats and sandflats not covered by seawater at low tide [1140]	G01.02, G02.01, D01.02, F03.01, I01, K03.06, G01.01.02, E01, E03, J02.01.02, X, F02.03.01, K02.03	Walking, horse-riding and non-motorised vehicles, golf course, roads, motorways, hunting, invasive non-native species, antagonism with domestic animals, non-motorized nautical sports, urbanised areas, human habitation, discharges, reclamation of land from sea, estuary or marsh, no threats or pressures, bait digging or collection, eutrophication (natural)
000202	Howth Head SAC	Vegetated sea cliffs of the Atlantic and Baltic Coasts [1230], European dry heaths [4030]	C01, G01.02, X, J01.01, D01.01, C01.01.01, E01, G05.04, I01, A04.03	Mining and quarrying, walking, horse-riding and non-motorised vehicles, no threats or pressures, burning down, paths, tracks, cycling tracks, sand and gravel quarries, urbanised areas, human habitation, vandalism, invasive non-native species, abandonment of pastoral systems lack of grazing
000205	Malahide Estuary SAC	Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330], Fixed coastal dunes with herbaceous vegetation - grey dunes [2130], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Salicornia and other annuals colonising mud and sand [1310], Mudflats and sandflats not covered by seawater at low tide [1140], Shifting dunes along the shoreline with <i>Ammophila arenaria</i> - white dunes [2120]	G01.02, J02.01.02, F03.01, I01, D01.02, E01, G01.01, D01.05, X, G02.01, G01.03, A08	Walking, horse-riding and non-motorised vehicles, reclamation of land from sea, estuary or marsh, hunting, invasive non-native species, roads, motorways, urbanised areas, human habitation, nautical sports, bridge, viaduct, no threats or pressures, golf course, motorised vehicles, fertilisation
000206	North Dublin Bay SAC	Salicornia and other annuals colonising mud and sand [1310], Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) [1330], Shifting dunes along the shoreline with <i>Ammophila arenaria</i> - white dunes [2120], Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410], Petalwort (<i>Petalophyllum ralfsii</i>) [1395], Fixed coastal dunes with herbaceous vegetation - grey dunes [2130], Embryonic shifting dunes [2110], Mudflats and sandflats not covered by seawater at low tide [1140], Humid dune slacks [2190], Annual vegetation of drift lines [1210]	J01.01, G02.01, K03.06, E03, A04, H01.09, G05.05, F02.03.01, G01.01, H01.03, E01, E02, I01, G01.02, F02.03	Burning down, golf course, antagonism with domestic animals, discharges, grazing, diffuse pollution to surface waters due to other sources not listed, intensive maintenance of public parks or cleaning of beaches, bait digging or collection, nautical sports, other point source pollution to surface water, urbanised areas, human habitation, industrial or commercial areas, invasive non-native species, walking, horse-riding and non-motorised vehicles, leisure fishing
000210	South Dublin Bay SAC	Embryonic shifting dunes [2110], Salicornia and other annuals colonising mud and sand [1310], Annual vegetation of drift lines [1210], Mudflats and sandflats not covered by seawater at low tide [1140]	E03, H03, F02.03.01, J02.01.02, D01.02, K02, G01.01, G01.02, K02.02, G01.01.02, E02, M01, D01.01, E01	Discharges, marine water pollution, bait digging or collection, reclamation of land from sea, estuary or marsh, roads, motorways, biocenotic evolution, succession, nautical sports, walking, horse-riding and non-motorised vehicles, accumulation of organic material, non-motorized nautical sports, industrial or commercial areas, changes in abiotic conditions, paths, tracks, cycling tracks, urbanised areas, human habitation
000713	Ballyman Glen SAC	Alkaline fens [7230], Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220]	A01, A04, H01.03, D01.02, E01.02, H02.01, E01.01, B01, A10.01, E03.01, A08, C01.01	Cultivation, grazing, other point source pollution to surface water, roads, motorways, discontinuous urbanisation, groundwater pollution by leakages from contaminated sites, continuous urbanisation, forest planting on open ground, removal of hedges and copses or scrub, disposal of household or recreational facility waste, fertilisation, sand and gravel extraction
000714	Bray Head SAC	European dry heaths [4030], Vegetated sea cliffs of the Atlantic and Baltic Coasts [1230]	J01.01, K02.01, A04.02.01, G05.04, A10.01, G01.03, D01.01, K01.01, E01	Burning down, species composition change (succession), non-intensive cattle grazing, vandalism, removal of hedges and copses or scrub, motorised vehicles, paths, tracks, cycling tracks, erosion, urbanised areas, human habitation
000725	Knocksink Wood SAC	Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], 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], Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles [91A0]	B02.03, E03.01, D01.02, I01, D01.01, E01.02, G05.07, G05.04, G01.02, G03, A04, G02.08, G05.06, D05, B01, B01.02	Removal of forest undergrowth, disposal of household or recreational facility waste, roads, motorways, invasive non-native species, paths, tracks, cycling tracks, discontinuous urbanisation, missing or wrongly directed conservation measures, vandalism, walking, horse-riding and non-motorised vehicles, interpretative centres, grazing, camping and caravans, tree surgery, felling for public safety, removal of roadside trees, improved access to site, forest planting on open ground, artificial planting on open ground (non-native trees)
001209	Glenasmole Valley SAC	Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220], Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) * important orchid sites [6210], <i>Molinia</i> meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>) [6410]	A04, I01, A03, A04.02.02, H01.05, D01.03, B02.02, H02.07, B01.02, A04.02.01, A04.02.03, J02, A08, B02.01.02, B01.01, D01, E01.02, A03.03, H01.08, C01.03, F02.03	Grazing, invasive non-native species, mowing or cutting of grassland, non-intensive sheep grazing, diffuse pollution to surface waters due to agricultural and forestry activities, car parks and parking areas, forestry clearance, diffuse groundwater pollution due to non-sewered population, artificial planting on open ground (non-native trees), non-intensive cattle grazing, non-intensive horse grazing, human induced changes in hydraulic conditions, fertilisation, forest replanting (non-native trees), forest planting on open ground (native trees), roads, paths and railroads, discontinuous urbanisation, abandonment or lack of mowing, diffuse pollution to surface waters due to household sewage and waste waters, peat extraction, leisure fishing

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Site Code	Site Name	Qualifying Feature	Pressures Codes	Known Threats and Pressures
001387	Ballynafagh Lake SAC	Alkaline fens [7230], Marsh Fritillary (<i>Euphydryas aurinia</i>) [1065], Desmoulin's whorl snail (<i>Vertigo moulinsiana</i>) [1016]	A04, F02.03	Grazing, leisure fishing
001398	Rye Water Valley/Carlton SAC	Desmoulin's whorl snail (<i>Vertigo moulinsiana</i>) [1016], Narrow-mouthed whorl snail (<i>Vertigo angustior</i>) [1014], Petrifying springs with tufa formation (<i>Cratoneurion</i>) [7220]	E01.03, B, A04, A08, D01.02, E01.01, A10.01, J02.05.02	Dispersed habitation, silviculture, forestry, grazing, fertilisation, roads, motorways, continuous urbanisation, removal of hedges and copses or scrub, modifying structures of inland water courses
002122	Wicklow Mountains SAC	Siliceous rocky slopes with chasmophytic vegetation [8220], Old sessile oak woods with Ilex and Blechnum in the British Isles [91A0], Otter (<i>Lutra lutra</i>) [1355], Alpine and Boreal heaths [4060], Oligotrophic waters containing very few minerals of sandy plains (<i>Littorelletalia uniflorae</i>) [3110], Siliceous scree of the montane to snow levels (<i>Androsacetalia alpinae</i> and <i>Galeopsietalia ladani</i>) [8110], Northern Atlantic wet heaths with Erica tetralix [4010], Blanket bogs * if active bog [7130], Species-rich Nardus grasslands, on siliceous substrates in mountain areas - and submountain areas in Continental Europe [6230], Calaminarian grasslands of the Violetoletalia calaminariae [6130], Natural dystrophic lakes and ponds [3160], European dry heaths [4030], Calcareous rocky slopes with chasmophytic vegetation [8210]	G01, B02.05, F03, C01.03, A05.02, E01, D01.01, F04.02, G01.03.02, G05.07, E03.01, J01.01, G01.02, G05.01, B06, G02.09, K04.05, G04.01, G05.04, F03.02.02, A04, G05.06, I01, K01.01, L05, G05.09, G01.04	Outdoor sports and leisure activities, recreational activities, non-intensive timber production (leaving dead wood or old trees untouched), hunting and collection of wild animals (terrestrial), peat extraction, stock feeding, urbanised areas, human habitation, paths, tracks, cycling tracks, collection (fungi, lichen, berries etc.), off-road motorized driving, missing or wrongly directed conservation measures, disposal of household or recreational facility waste, burning down, walking, horse-riding and non-motorised vehicles, trampling, overuse, grazing in forests or woodland, wildlife watching, damage by herbivores (including game species), military maneuvers, vandalism, taking from nest (e.g. falcons), grazing, tree surgery, felling for public safety, removal of roadside trees, invasive non-native species, erosion, collapse of terrain, landslide, fences, fencing, mountaineering, rock climbing, speleology
002331	Mouds Bog SAC ⁸⁷	Active raised bogs [7110], Degraded raised bogs still capable of natural regeneration [7120], Depressions on peat substrates of the Rhynchosporion [7150]	A01, A04, B, C01.03.02, I01, J01, E02	Cultivation, grazing, silviculture, forestry, mechanical removal of peat, invasive non-native species, fire and fire suppression, industrial or commercial areas
003000	Rockabill to Dalkey Island SAC	Harbour porpoise (<i>Phocoena phocoena</i>) [1351], Reefs [1170]	X, D02, J02.02, D03.02, H06.01, F02.02, E03, J02.11	No threats or pressures, utility and service lines, removal of sediments (mud...), shipping lanes, noise nuisance, noise pollution, professional active fishing, discharges, siltation rate changes, dumping, depositing of dredged deposits
004006	North Bull Island SPA	Curlew (<i>Numenius arquata</i>) [A160], Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157], Dunlin (<i>Calidris alpina</i>) [A149], Golden Plover (<i>Pluvialis apricaria</i>) [A140], Black-tailed Godwit (<i>Limosa limosa</i>) [A156], Teal (<i>Anas crecca</i>) [A052], Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179], Grey Plover (<i>Pluvialis squatarola</i>) [A141], Shoveler (<i>Anas clypeata</i>) [A056], Knot (<i>Calidris canutus</i>) [A143], Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A674], Sanderling (<i>Calidris alba</i>) [A144], Shelduck (<i>Tadorna tadorna</i>) [A048], Oystercatcher (<i>Haematopus ostralegus</i>) [A130], Pintail (<i>Anas acuta</i>) [A054], Turnstone (<i>Arenaria interpres</i>) [A169], Wetland and Waterbirds [A999], Redshank (<i>Tringa totanus</i>) [A162]	E03, G03, E01.01, F02.03.01, G02.01, D03.02, E02, G01.02, D01.02, G01.01, D01.05, E01.04	Discharges, interpretative centres, continuous urbanisation, bait digging or collection, golf course, shipping lanes, industrial or commercial areas, walking, horse-riding and non-motorised vehicles, roads, motorways, nautical sports, bridge, viaduct, other patterns of habitation
004016	Baldoye Bay SPA	Ringed Plover (<i>Charadrius hiaticula</i>) [A137], Shelduck (<i>Tadorna tadorna</i>) [A048], Grey Plover (<i>Pluvialis squatarola</i>) [A141], Wetland and Waterbirds [A999], Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A674], Golden Plover (<i>Pluvialis apricaria</i>) [A140], Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157]	F02.03.01, E01, D01.02, A08, I01, J02.01.02, F03.01, G02.01, K02.03, G01.02	Bait digging or collection, urbanised areas, human habitation, roads, motorways, fertilisation, invasive non-native species, reclamation of land from sea, estuary or marsh, hunting, golf course, eutrophication (natural), walking, horse-riding and non-motorised vehicles
004024	South Dublin Bay and Tolka Estuary SPA	Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A674], Oystercatcher (<i>Haematopus ostralegus</i>) [A130], Grey Plover (<i>Pluvialis squatarola</i>) [A141], Dunlin (<i>Calidris alpina</i>) [A149], Knot (<i>Calidris canutus</i>) [A143], Roseate Tern (<i>Sterna dougallii</i>) [A192], Sanderling (<i>Calidris alba</i>) [A144], Redshank (<i>Tringa totanus</i>) [A162], Ringed Plover (<i>Charadrius hiaticula</i>) [A137], Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157], Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179], Wetland and Waterbirds [A999], Arctic tern (<i>Sterna paradisaea</i>) [A194], Common tern (<i>Sterna hirundo</i>) [A193]	D01.02, E01, F02.03.01, F02.03, K02.03, G01.01, E03, J02.01.02, E02, G01.02	Roads, motorways, urbanised areas, human habitation, bait digging or collection, leisure fishing, eutrophication (natural), nautical sports, discharges, reclamation of land from sea, estuary or marsh, industrial or commercial areas, walking, horse-riding and non-motorised vehicles
004040	Wicklow Mountains SPA	Peregrine falcon (<i>Falco peregrinus</i>) [A103], Merlin (<i>Falco columbarius</i>) [A098]	C01.03, G01.02, G03, B, A04, D01.01	Peat extraction, walking, horse-riding and non-motorised vehicles, interpretative centres, silviculture, forestry, grazing, paths, tracks, cycling tracks
004113	Howth Head Coast SPA	Kittiwake (<i>Rissa tridactyla</i>) [A188]	J01, G01.02	Fire and fire suppression, walking, horse-riding and non-motorised vehicles

⁸⁷ The AA methodology of determining groundwater sensitive Qualifying Interests and thus, groundwater sensitive Special Areas of Conservation, was refined following public display of the Draft Plan and associated documents to include additional bog habitats, one of which occurs in Mouds Bog SAC. This SAC was therefore added following public display of the Draft Plan and associated documents.

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Site Code	Site Name	Qualifying Feature	Pressures Codes	Known Threats and Pressures
004172	Dalkey Islands SPA	Arctic tern (<i>Sterna paradisaea</i>) [A194], Common tern (<i>Sterna hirundo</i>) [A193], Roseate tern (<i>Sterna dougallii</i>) [A192]	G01.02, G01.01, A04, E01	Walking, horse-riding and non-motorised vehicles, nautical sports, grazing, urbanised areas, human habitation
004236	North-West Irish Sea SPA ⁸⁸	Cormorant (<i>Phalacrocorax carbo</i>) [A017], Red-throated Diver (<i>Gavia stellata</i>) [A001], Manx Shearwater (<i>Puffinus puffinus</i>) [A013], Shag (<i>Phalacrocorax aristotelis</i>) [A018], Little Tern (<i>Sterna albifrons</i>) [A195], Great Northern Diver (<i>Gavia immer</i>) [A003], Common Tern (<i>Sterna hirundo</i>) [A193], Kittiwake (<i>Rissa tridactyla</i>) [A188], Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179], Roseate Tern (<i>Sterna dougallii</i>) [A192], Arctic Tern (<i>Sterna paradisaea</i>) [A194], Common Gull (<i>Larus canus</i>) [A182], Guillemot (<i>Uria aalge</i>) [A199], Herring Gull (<i>Larus argentatus</i>) [A184], Common Scoter (<i>Melanitta nigra</i>) [A065], Lesser Black-backed Gull (<i>Larus fuscus</i>) [A183], Little Gull (<i>Larus minutus</i>) [A177], Great Black-backed Gull (<i>Larus marinus</i>) [A187], Fulmar (<i>Fulmarus glacialis</i>) [A009], Razorbill (<i>Alca torda</i>) [A200], Puffin (<i>Fratercula arctica</i>) [A204]	Not available.	Not available.

⁸⁸ The designation of this SPA emerged following public display of the Draft Plan and Conservation Objectives were shared by the National Parks and Wildlife Service in September 2023. This SPA was therefore added following public display of the Draft Plan and associated documents.

List of all Qualifying Interests of SACs that have undergone Assessment including Summaries of Current Threats and Sensitivity to Effects

EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
[1014]	Narrow-mouthed Whorl Snail (<i>Vertigo angustior</i>)	Pressures facing this species are associated with land abandonment, under-grazing and the creation of tourism and leisure infrastructure such as caravan sites and golf courses.	A06, A10, F05, F07	Abandonment of grassland management (e.g., cessation of grazing or of mowing), extensive grazing or under grazing by livestock, creation or development of sports, tourism and leisure infrastructure (outside the urban or recreational areas), sports, tourism and leisure activities	Changes to ground vegetation condition, groundwater dependent and is highly sensitive to hydrological changes.
[1016]	Desmoulin's Whorl Snail (<i>Vertigo moulinsiana</i>)	The main pressures are associated with natural succession resulting in species composition change and drying out of the habitat.	A07, A10, L01, L02	Abandonment of management/use of other agricultural and agroforestry systems (all except grassland), extensive grazing or under grazing by livestock, abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Changes to ground vegetation condition, groundwater dependent and is highly sensitive to hydrological changes.
[1065]	Marsh Fritillary (<i>Euphydryas aurinia</i>)	The pressures facing this species are associated with conversion of land into agricultural land or forestry, under-grazing and abandonment of land.	A01, A07, A10, B01	Conversion into agricultural land (excluding drainage and burning), abandonment of management/use of other agricultural and agroforestry systems (all except grassland), extensive grazing or under grazing by livestock, conversion to forest from other land uses, or afforestation (excluding drainage)	Habitat management; land use change and drainage.
[1140]	Mudflats and sandflats not covered by seawater at low tide	Pressures on mudflats and sandflats are partly caused by pollution from agricultural, forestry and wastewater sources, as well as impacts associated with marine aquaculture, particularly the Pacific oyster (<i>Magallana gigas</i>).	A28, F20, G16	Agricultural activities generating marine pollution, residential or recreational activities and structures generating marine pollution (excl. marine macro- and micro- particular pollution, marine aquaculture generating marine pollution)	Surface and marine water dependent. Moderately sensitive to hydrological change. Moderate sensitivity to pollution. Changes to salinity and tidal regime. Coastal development.
[1170]	Reefs	The main pressures on reefs come from fishing methods that damage the seafloor.	G01, G03	Marine fishing and shellfish harvesting (professional, recreational) causing reduction of species/prey populations and disturbance of species, marine fish and shellfish harvesting (professional, recreational) activities causing physical loss and disturbance of seafloor habitats	Sensitive to disturbance and pollution.
[1210]	Annual vegetation of drift lines	Most of the pressures on drift lines are associated with activities such as recreation and coastal defences, which can interfere with sediment dynamics.	C01, F01, F06, F07, F08	Extraction of minerals (e.g., rock, metal ores, gravel, sand, shell), conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions), development and maintenance of beach areas for tourism and recreation incl. beach nourishment and beach cleaning, sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures)	Overgrazing and erosion. Changes in management.
[1230]	Vegetated sea cliffs of the Atlantic and Baltic coasts	A number of significant pressures were identified, including trampling by walkers, invasive non-native species, gravel extraction, and sea-level and wave exposure changes due to climate change.	C01, E01, F07, F08, I02, N03, N04	Extraction of minerals (e.g., rock, metal ores, gravel, sand, shell), roads, paths, railroads and related infrastructure (e.g., bridges, viaducts, tunnels), sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures), other invasive alien species (other than species of union concern), increases or changes in precipitation due to climate change, sea-level and wave exposure changes due to climate change	Land use activities such as tourism and/or agricultural practices. Direct alteration to the habitat or effects such as burning or drainage.
[1310]	Salicornia and other annuals colonising mud and sand	Pressures on Salicornia mud are caused by alien species and overgrazing by livestock	A09, I02	Intensive grazing or overgrazing by livestock, other invasive alien species (other than species of union concern)	Marine water dependent. Medium sensitivity to hydrological change. Changes in salinity and tidal regime. Infilling, reclamation, invasive species.
[1330]	Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>)	The main pressures on Atlantic salt meadows are from agriculture, including ecologically unstable grazing regimes and land reclamation, and the invasive non-native species common cord-grass (<i>Spartina anglica</i>).	A09, A33, A36, F07, F08, I02	Intensive grazing or overgrazing by livestock, modification of hydrological flow or physical alternation of water bodies for agriculture (excluding development and operation of dams), agriculture activities not referred to above, sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures), other invasive alien species (other than species of union concern)	Marine and groundwater dependent. Medium sensitivity to hydrological change. Changes in salinity and tidal regime. Overgrazing, erosion and accretion.
[1351]	Harbour Porpoise (<i>Phocoena phocoena</i>)	Pressures acting on this species in Irish waters mainly involve commercial vessel-based activities such as impacts arising from geophysical seismic	C09, G01	Geotechnical surveying, marine fishing and shellfish harvesting (professional, recreational) causing reduction of species/prey populations and disturbance of species	Sensitive to disturbance, prey availability and pollution.

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EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
		exploration or from local/regional prey removal by fisheries.			
[1355]	Otter (<i>Lutra lutra</i>)	There are no pressures facing this species	Xxp, Xxt	No pressures, no threats	Surface and marine water dependent. Moderately sensitive to hydrological change. Sensitivity to pollution.
[1395]	Petalwort (<i>Petalophyllum ralfsii</i>)	There are no pressures facing this species.	Xxp, Xxt	No pressures, no threats	None identified.
[1410]	Mediterranean salt meadows (<i>Juncetalia maritimi</i>)	Most of the pressures on Mediterranean salt meadows are associated with agriculture, including overgrazing, under-grazing and land reclamation.	A09, A10, A33, A36	Intensive grazing or overgrazing by livestock, extensive grazing or under grazing by livestock, modification of hydrological flow or physical alternation of water bodies for agriculture (excluding development and operation of dams), agriculture activities not referred to above	Marine and groundwater dependent. Medium sensitivity to hydrological change. Changes in salinity and tidal regime. Coastal development and reclamation.
[2110]	Embryonic shifting dunes	The majority of pressures on this habitat are associated with recreation and coastal defences, which can interfere with sediment dynamics.	C01, E03, F01, F06, F07, F08, L01, L02	Extraction of minerals (e.g., rock, metal ores, gravel, sand, shell), shipping lanes, ferry lanes and anchorage infrastructure (e.g., canalisation, dredging), conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions), development and maintenance of beach areas for tourism and recreation incl. beach nourishment and beach cleaning, sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures), abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Overgrazing, and erosion. Changes in management.
[2120]	Shifting dunes along the shoreline with white dunes (<i>Ammophila arenaria</i>)	Most of the pressures on marram dunes are caused by the interference on sediment dynamics due to recreation and coastal defences.	E01, E03, F01, F06, F07, F08, I02, L01	Roads, paths, railroads and related infrastructure (e.g., bridges, viaducts, tunnels), shipping lanes, ferry lanes and anchorage infrastructure (e.g., canalisation, dredging), conversion from other land uses to housing, settlement or recreational areas (excluding drainage and modification of coastline, estuary and coastal conditions), development and maintenance of beach areas for tourism and recreation incl. beach nourishment and beach cleaning, sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures), other invasive alien species (other than species of union concern), abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization)	Overgrazing, and erosion. Changes in management.
[2130]	Fixed coastal dunes with herbaceous vegetation (grey dunes)	Pressures on fixed dunes are associated with recreation and ecologically unsuitable grazing practices.	A02, A09, A10, F07, F08, I02, L02	Conversion from one type of agricultural land use to another (excluding drainage and burning), intensive grazing or overgrazing by livestock, extensive grazing or under grazing by livestock, sports, tourism and leisure activities, modification of coastline, estuary and coastal conditions for development, use and protection of residential, commercial, industrial and recreational infrastructure and areas (including sea defence or coast protection works and infrastructures), other invasive alien species (other than species of union concern), natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Overgrazing, and erosion. Changes in management.
[2190]	Humid dune slacks	Pressures on the habitat come from a number of sources. Including agricultural fertilisers, sports and leisure activities (e.g., walking, off-road driving and golf courses) and drainage. Succession to scrub is also a problem, particularly where it is linked to desiccation of the slack.	A19, A31, F07, I02, L02	Application of natural fertilisers on agricultural land, drainage for use as agricultural land, sports, tourism and leisure activities, other invasive alien species (other than species of union concern), natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Overgrazing, and erosion. Changes in management. Sensitive to hydrological change.
[3110]	Oligotrophic waters containing very few minerals of sandy plains	This habitat is under significant pressure from eutrophication, and from drainage and other damage to peatland. Damage to peatland can result in hydrological changes in lakes,	A26, A31, B23, B27, C05, F12	Agricultural activities generating diffuse pollution to surface or ground waters, drainage for use as agricultural land, forestry activities generating pollution to surface or ground waters, modification of hydrological conditions, or physical alteration of water bodies and drainage for forestry (including dams), peat extraction, discharge of urban waste water (excluding storm overflows and/or urban run-offs) generating pollution to surface or ground water	Surface dependant. Highly sensitive to hydrological changes. Highly sensitive to pollution.

EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
	<i>(Littorelletalia uniflorae)</i>	increased organic matter, water colour and turbidity, changes in sediment characteristics, acidification and enrichment.			
[3160]	Natural dystrophic lakes and ponds	The pressures on this habitat are associated with pollution from agricultural and forestry activities and also from drainage.	A26, A31, B23, B27, C05, D08	Agricultural activities generating diffuse pollution to surface or ground waters, drainage for use as agricultural land, forestry activities generating pollution to surface or ground waters, modification of hydrological conditions, or physical alteration of water bodies and drainage for forestry (including dams), peat extraction, energy production and transmission activities generating pollution to surface or ground waters	Surface and groundwater dependant. Highly sensitive to hydrological changes. Highly sensitive to pollution
[4010]	Northern Atlantic wet heaths with <i>Erica tetralix</i>	Overgrazing, burning, wind farm development and erosion are the main pressures associated with this habitat, along with nitrogen deposition from agricultural activities that generate air pollution.	A09, A11, A27, B01, D01, L01, N01, N02	Intensive grazing or overgrazing by livestock, burning for agriculture, agricultural activities generating air pollution, conversion to forest from other land uses, or afforestation (excluding drainage), wind, wave and tidal power, including infrastructure, abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface and groundwater dependent. Highly sensitive to hydrological changes. Inappropriate management.
[4030]	European dry heaths	A number of significant pressures were recorded for this habitat in the current reporting period, particularly overgrazing by sheep and burning for agriculture with afforestation and wind farms also being recognised as pressures.	A09, A11, B01, D01, N01, N02	Intensive grazing or overgrazing by livestock, burning for agriculture, conversion to forest from other land uses, or afforestation (excluding drainage), wind, wave and tidal power, including infrastructure, temperature changes (e.g., rise of temperature & extremes) due to climate change	Moderately sensitive to hydrological change. Changes in management. Changes in nutrient status.
[4060]	Alpine and Boreal heaths	Overgrazing by livestock, tourism (hill walking) and agricultural activities that cause air pollution are considered significant pressures for this habitat.	A09, A27, F07, N01, N02	Intensive grazing or overgrazing by livestock, agricultural activities generating air pollution, sports, tourism and leisure activities, temperature changes (e.g., rise of temperature & extremes) due to climate change	Changes in management. Changes in nutrient or base status. Moderately sensitive to hydrological change.
[6130]	Calaminarian grasslands of the Murawy galmanowa (<i>Violetalia calaminariae</i>)	Pressures on this habitat are associated with abiotic natural processes (leaching of metals) and succession, as well as impacts from recreational activities (walking/hiking).	F07, L01, L02	Sports, tourism and leisure activities, abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Changes in management such as grazing regime. Changes in nutrient or base status. Changes to vegetation composition. Introduction of alien species.
[6210]	Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) * important orchid sites)	The significant pressures related to this habitat are mainly associated with agricultural intensification causing loss of species-rich communities, or abandonment of farmland resulting in succession to scrub.	A02, A09, A10, C01, I02, I04	Conversion from one type of agricultural land use to another (excluding drainage and burning), intensive grazing or overgrazing by livestock, extensive grazing or under grazing by livestock, extraction of minerals (e.g., rock, metal ores, gravel, sand, shell), other invasive alien species (other than species of union concern), problematic native species	Changes in management such as grazing regime. Changes in nutrient or base status. Changes to vegetation composition. Introduction of alien species.
[6230]	Species-rich <i>Nardus</i> grasslands, on siliceous substrates in mountain areas (and submountain areas, in Continental Europe)	The main pressures on this habitat are due to bracken encroachment and succession.	I04, L02	Problematic native species, natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Changes in management such as grazing regime. Changes in nutrient or base status. Changes to vegetation composition. Introduction of alien species.
[6410]	<i>Molinia</i> meadows on calcareous, peaty or clayey-silt-laden soils (<i>Molinion caeruleae</i>)	The main pressures on the habitat are associated with agricultural intensification (e.g., land drainage, fertiliser application), under-grazing and forestry.	A02, A06, A10, A14, A31, B01	Conversion from one type of agricultural land use to another (excluding drainage and burning), abandonment of grassland management (e.g., cessation of grazing or of mowing), extensive grazing or under grazing by livestock, livestock farming (without grazing), drainage for use as agricultural land, conversion to forest from other land uses, or afforestation (excluding drainage)	Changes in management such as grazing regime. Changes in nutrient or base status. Changes to vegetation composition. Introduction of alien species.

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EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
[7110]	Active raised bogs	The main pressures on active raised bog are peat extraction, drainage, afforestation and burning.	A11, B01, C05, K02, N01	Burning for agriculture, conversion to forest from other land uses, or afforestation (excluding drainage), peat extraction, drainage, temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface water interactions. Groundwater isolated system with sensitivities related to the bog basin. Drainage and land use management are the key things.
[7120]	Degraded raised bogs still capable of natural regeneration	The main pressure on degraded bogs come from peat extraction, drainage, afforestation and burning.	A11, B01, C05, K02, N01	Burning for agriculture, conversion to forest from other land uses, or afforestation (excluding drainage), peat extraction, drainage, temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface water interactions. Groundwater isolated system with sensitivities related to the bog basin. Drainage and land use management are the key things.
[7130]	Blanket bogs (* if active bog)	The main pressures on blanket bogs are overgrazing, burning, afforestation, peat extraction, and agricultural activities causing nitrogen deposition. Erosion, drainage and wind farm construction are also pressures relating to this habitat.	A09, A11, A27, B01, C05, D01, K02, L01, N01, N02	Intensive grazing or overgrazing by livestock, burning for agriculture, agricultural activities generating air pollution, conversion to forest from other land uses, or afforestation (excluding drainage), peat extraction, wind, wave and tidal power, including infrastructure, drainage, abiotic natural processes (e.g., erosion, silting up, drying out, submersion, salinization), temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface water interactions. Drainage and land use management are the key things.
[7150]	Depressions on peat substrates of the Rhynchosporion	The main pressures on the habitat are associated with impacts on the supporting bog habitats, especially overgrazing, burning, peat extraction, drainage and conversion to forestry.	A09, A11, B01, C05, K02, N01	Intensive grazing or overgrazing by livestock, burning for agriculture, conversion to forest from other land uses, or afforestation (excluding drainage), peat extraction, drainage, temperature changes (e.g., rise of temperature & extremes) due to climate change	Surface and ground water interactions. Drainage and land use management are the key things.
[7220]	Petrifying springs with tufa formation (Cratoneurion)	Pressures related to this habitat are associated with drainage, pollution to ground and surface waters, recreational activities, infrastructure, overgrazing and abandonment of grassland management.	A06, A10, E01, F07, H08, J01, K02, K04, L02	Abandonment of grassland management (e.g., cessation of grazing or of mowing), extensive grazing or under grazing by livestock, roads, paths, railroads and related infrastructure (e.g., bridges, viaducts, tunnels), sports, tourism and leisure activities, other human intrusions and disturbance not mentioned above (dumping, accidental and deliberate disturbance of bat roosts (e.g., caving)), mixed source pollution to surface and ground waters (limnic and terrestrial), drainage, modification of hydrological flow, natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Surface and groundwater dependant. Highly sensitive to hydrological changes. Highly sensitive to pollution.
[7230]	Alkaline fens	The main pressures facing this habitat are land abandonment (and associated succession), overgrazing, drainage and pollution.	A06, A09, A26, J01, K01, K02, K04, L02, N02, N03	Abandonment of grassland management (e.g., cessation of grazing or of mowing), intensive grazing or overgrazing by livestock, agricultural activities generating diffuse pollution to surface or ground waters, mixed source pollution to surface and ground waters (limnic and terrestrial), abstraction from groundwater, surface water or mixed water, drainage, modification of hydrological flow, natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices), temperature changes (e.g., rise of temperature & extremes) due to climate change, increases or changes in precipitation due to climate change	Surface and groundwater dependent. Highly sensitive to hydrological changes. Inappropriate management.
[8110]	Siliceous scree of the montane to snow levels (<i>Androsacetalia alpinae</i> and <i>Galeopsietalia ladani</i>)	The main pressures on siliceous scree come from overgrazing, under-grazing and succession.	A09, A10, L02	Intensive grazing or overgrazing by livestock, extensive grazing or under grazing by livestock, natural succession resulting in species composition change (other than by direct changes of agricultural or forestry practices)	Erosion, overgrazing and recreation.
[8210]	Calcareous rocky slopes with chasmophytic vegetation	The majority of pressures related to this habitat are associated with overgrazing and the non-native invasive species New Zealand willowherb (<i>Epilobium brunnescens</i>).	A09, A27, I02	Intensive grazing or overgrazing by livestock, agricultural activities generating air pollution, other invasive alien species (other than species of union concern)	Erosion, overgrazing and recreation.
[8220]	Siliceous rocky slopes with chasmophytic vegetation	Pressure on this habitat is associated with the non-native invasive species New Zealand willowherb (<i>Epilobium brunnescens</i>).	I02	Other invasive alien species (other than species of union concern)	Erosion, overgrazing and recreation.

EU Code	Qualifying Interests	Article 17 Report Summary - Threats and Pressures	Threats and Pressures Codes	Known Threats and Pressures	Sensitivity of Qualifying Interests
[91A0]	Old sessile oak woods with Ilex and Blechnum in the British Isles	The significant pressure facing this habitat are associated with invasive non-native species such as <i>Rhododendron ponticum</i> , cherry laurel (<i>Prunus laurocerasus</i>) and beech (<i>Fagus sylvatica</i>) and overgrazing by deer.	A09, B09, I02, I04, M07	Intensive grazing or overgrazing by livestock, clear-cutting, removal of all trees, other invasive alien species (other than species of union concern), problematic native species, storm, cyclone	Changes in management. Changes in nutrient or base status. Introduction of alien species.
[91E0]	Alluvial forests with Alder and Ash (<i>Alnus glutinosa</i> , <i>Fraxinus excelsior</i> , <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)	Many of the pressures facing this habitat include invasive species, particularly sycamore (<i>Acer pseudoplatanus</i>), beech (<i>Fagus sylvatica</i>), Indian balsam (<i>Impatiens glandulifera</i>) and currant species (<i>Ribes nigrum</i> and <i>R. rubrum</i>) as well as some native species such as brambles (<i>Rubus fruticosus</i> agg.) and common nettle, along with over felling.	B09, I02, I04, I05	Clear-cutting, removal of all trees, other invasive alien species (other than species of union concern), problematic native species, plant and animal diseases, pathogens and pests	Surface and groundwater dependent. Highly sensitive to hydrological changes. Changes in management.

List of all Special Conservation Interest of SPAs that have undergone Assessment including Summaries of Current Threats and Sensitivity to Effects

Species Code	Common Name	Scientific Name	Threats and Pressures Codes	Known Threats and Pressures
A003	Common Loon	<i>Gavia immer</i>	C03, F02, G01, H03	Renewable abiotic energy use, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution
A009	Northern Fulmar	<i>Fulmarus glacialis</i>	C03, F02	Renewable abiotic energy use, fishing and harvesting aquatic resources
A013	Manx Shearwater	<i>Puffinus puffinus</i>	C03, H03, I01	Renewable abiotic energy use, marine water pollution, invasive non-native species
A017	Cormorant	<i>Phalacrocorax carbo carbo</i>	C03, F02, F03, G01, H03	Renewable abiotic energy use, fishing and harvesting aquatic resources, hunting and collection of wild animals (terrestrial), outdoor sports and leisure activities, recreational activities, marine water pollution
A018	Shag	<i>Phalacrocorax aristotelis</i>	C03, H03	Renewable abiotic energy use, marine water pollution
A048	Common Shelduck	<i>Tadorna tadorna</i>	F01, F02, G01, H03, M01	Marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, changes in abiotic conditions
A054	Northern Pintail	<i>Anas acuta</i>	C03, F01, F03, G01, H01, H03, H07, J02	Renewable abiotic energy use, marine and freshwater aquaculture, hunting and collection of wild animals (terrestrial), outdoor sports and leisure activities, recreational activities, pollution to surface waters (limnic & terrestrial, marine & brackish), marine water pollution, other forms of pollution, human induced changes in hydraulic conditions
A056	Northern Shoveler	<i>Anas clypeata</i>	C03, F03, G01, H01, H03, H07	Renewable abiotic energy use, hunting and collection of wild animals (terrestrial), outdoor sports and leisure activities, recreational activities, pollution to surface waters (limnic & terrestrial, marine & brackish), marine water pollution, other forms of pollution
A098	Merlin	<i>Falco columbarius</i>	A02, B01, B02, C03, M02	Modification of cultivation practices, forest planting on open ground, forest and plantation management & use, renewable abiotic energy use, changes in biotic conditions
A130	Eurasian Oystercatcher	<i>Haematopus ostralegus</i>	C03, F01, F02, G01, H03, J02	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions
A137	Common Ringed Plover	<i>Charadrius hiaticula</i>	C03, F01, F02, G01, H03, J02, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions, other ecosystem modifications, changes in abiotic conditions
A140	European Golden Plover	<i>Pluvialis apricaria</i>	A02, A04, B01, C01, C03, F01, G01, H03, J01, K03, M02	Modification of cultivation practices, grazing, forest planting on open ground, mining and quarrying, renewable abiotic energy use, marine and freshwater aquaculture, outdoor sports and leisure activities, recreational activities, marine water pollution, fire and fire suppression, interspecific faunal relations, changes in biotic conditions
A141	Grey Plover	<i>Pluvialis squatarola</i>	C03, F01, F02, G01, H03, J02, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions, other ecosystem modifications, changes in abiotic conditions
A143	Red Knot	<i>Calidris canutus</i>	C03, F01, F02, G01, H03, J02, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions, other ecosystem modifications, changes in abiotic conditions

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Species Code	Common Name	Scientific Name	Threats and Pressures Codes	Known Threats and Pressures
A144	Sanderling	<i>Calidris alba</i>	C03, F01, G01, H03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, outdoor sports and leisure activities, recreational activities, marine water pollution, changes in abiotic conditions
A149	Dunlin	<i>Calidris alpina</i>	C03, F01, F02, G01, H03, J02, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions, other ecosystem modifications, changes in abiotic conditions
A157	Bar-Tailed Godwit	<i>Limosa lapponica</i>	C03, F01, F02, G01, H03, J02, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions, other ecosystem modifications, changes in abiotic conditions
A162	Common Redhank	<i>Tringa totanus</i>	C03, F01, F02, G01, H03, J02, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, fishing and harvesting aquatic resources, outdoor sports and leisure activities, recreational activities, marine water pollution, human induced changes in hydraulic conditions, other ecosystem modifications, changes in abiotic conditions
A169	Ruddy Turnstone	<i>Arenaria interpres</i>	C03, F01, G01, H03, J03, M01	Renewable abiotic energy use, marine and freshwater aquaculture, outdoor sports and leisure activities, recreational activities, marine water pollution, other ecosystem modifications, changes in abiotic conditions
A177	Little Gull	<i>Larus minutus</i>	Xxp/Xxt	No threats and pressures identified by the npws
A179	Black-Headed Gull	<i>Larus ridibundus</i>	A04, C03, F02, H03, J03, M01	Grazing, renewable abiotic energy use, fishing and harvesting aquatic resources, marine water pollution, other ecosystem modifications, changes in abiotic conditions
A182	Common Gull	<i>Larus canus</i>	A04, C03, F02, H03, J03, M01	Grazing, renewable abiotic energy use, fishing and harvesting aquatic resources, marine water pollution, other ecosystem modifications, changes in abiotic conditions
A183	Lesser Black-Backed Gull	<i>Larus fuscus</i>	C03, F02, H03, J03	Renewable abiotic energy use, fishing and harvesting aquatic resources, marine water pollution, other ecosystem modifications
A184	European Herring Gull	<i>Larus argentatus</i>	C03, F02, H03, J03	Renewable abiotic energy use, fishing and harvesting aquatic resources, marine water pollution, other ecosystem modifications
A187	Great Black-Backed Gull	<i>Larus marinus</i>	Xxp/Xxt	No threats and pressures identified by the npws
A188	Black-Legged Kittiwake	<i>Rissa tridactyla</i>	C03, F02, H03	Renewable abiotic energy use, fishing and harvesting aquatic resources, marine water pollution
A192	Roseate Tern	<i>Sterna dougallii dougallii</i>	C03, D01, G01, I01	Renewable abiotic energy use, roads, paths and railroads, outdoor sports and leisure activities, recreational activities, invasive non-native species
A193	Common Tern	<i>Sterna hirundo</i>	C03, D01, D03, G01, I01	Renewable abiotic energy use, roads, paths and railroads, shipping lanes, ports, marine constructions, outdoor sports and leisure activities, recreational activities, invasive non-native species
A194	Arctic Tern	<i>Sterna paradisaea</i>	C03, D01, G01, I01, M01	Renewable abiotic energy use, roads, paths and railroads, outdoor sports and leisure activities, recreational activities, invasive non-native species, changes in abiotic conditions
A200	Razorbill	<i>Alca torda</i>	C03, H03	Renewable abiotic energy use, marine water pollution
A204	Atlantic Puffin	<i>Fratercula arctica</i>	C03, H03, I01	Renewable abiotic energy use, marine water pollution, invasive non-native species
A674	Light-Bellied Brent Goose	<i>Branta bernicla hrota</i>	A02, A11, C03, D02, F01, G01, G05, H03, H07, I01, J03	Modification of cultivation practices, agriculture activities not referred to above, renewable abiotic energy use, utility and service lines, marine and freshwater aquaculture, outdoor sports and leisure activities, recreational activities, other human intrusions and disturbances, marine water pollution, other forms of pollution, invasive non-native species, other ecosystem modifications

Appendix II Relationship with Other Plans and Programmes

Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
European Level			
SEA Directive (2001/42/EC)	<ul style="list-style-type: none"> Contribute to the integration of environmental considerations into the preparation and adoption of plans and programmes with a view to promoting sustainable development. Provide for a high level of protection of the environment by carrying out an environmental assessment of plans and programmes which are likely to have significant effects on the environment. 	<ul style="list-style-type: none"> Carry out an environmental assessment for plans or programmes referred to in Articles 2 to 4 of the Directive. Prepare an environmental report which identifies, describes and evaluates the likely significant effects on the environment of implementing the plan or programme and reasonable alternatives that consider the objectives and the geographical scope of the plan or programme. Consult with relevant authorities, stakeholders and public allowing sufficient time to make a submission. Consult other Member States where the implementation of a plan or programme is likely to have transboundary environmental effects. Inform relevant authorities and stakeholders on the decision to implement the plan or programme. Issue a statement to include requirements detailed in Article 9 of the Directive. Monitor and mitigate significant environmental effects identified by the assessment. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EIA Directive (2011/92/EU as amended by 2014/52/EU)	<ul style="list-style-type: none"> Requires the assessment of the environmental effects of public and private projects which are likely to have significant effects on the environment. Aims to assess and implement avoidance or mitigation measures to eliminate environmental effects, before consent is given of projects likely to have significant effects on the environment by virtue, inter alia, of their nature, size or location are made subject to a requirement for development consent and an assessment with regard to their effects. Those projects are defined in Article 4. 	<ul style="list-style-type: none"> All projects listed in Annex I are considered as having significant effects on the environment and require an EIA. For projects listed in Annex II, a "screening procedure" is required to determine the effects of projects on the basis of thresholds/criteria or a case by case examination. This should take into account Annex III. The environmental impact assessment shall identify, describe and assess in an appropriate manner, in the light of each individual case and in accordance with Articles 4 to 12, the direct and indirect effects of a project on the following factors: human beings, fauna and flora, soil, water, air, climate and the landscape, material assets and the cultural heritage, the interaction between each factor. Consult with relevant authorities, stakeholders and public allowing sufficient time to make a submission before a decision is made. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Habitats Directive (92/43/EEC)	<ul style="list-style-type: none"> Promote the preservation, protection and improvement of the quality of the environment, including the conservation of natural habitats and of wild fauna and flora. Contribute towards ensuring biodiversity through the conservation of natural habitats and of wild fauna and flora. Maintain or restore to favourable conservation status, natural habitats and species of wild fauna and flora of community interest. Promote the maintenance of biodiversity, taking account of economic, social, cultural and regional requirements. 	<ul style="list-style-type: none"> Propose and protect sites of importance to habitats, plant and animal species. Establish a network of European sites hosting the natural habitat types listed in Annex I and habitats of the species listed in Annex II, to enable the natural habitat types and the species' habitats concerned to be maintained or, where appropriate, restored at a favourable conservation status in their natural range. Carry out comprehensive assessment of habitat types and species present. Establish a system of strict protection for the animal species and plant species listed in Annex IV. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Birds Directive (2009/147/EC)	<ul style="list-style-type: none"> Conserve all species of naturally occurring birds in the wild state including their eggs, nests and habitats. Protect, manage and control these species and comply with regulations relating to their exploitation. The species included in Annex I shall be the subject of special conservation measures concerning their habitat in order to ensure their survival and reproduction in their area of distribution. 	<ul style="list-style-type: none"> Preserve, maintain or re-establish a sufficient diversity and area of habitats for all the species of birds referred to in Annex 1. Preserve, maintain and establish biotopes and habitats to include the creation of protected areas (Special Protection Areas). Ensure the upkeep and management in accordance with the ecological needs of habitats inside and outside the protected zones, re-establish destroyed biotopes and creation of biotopes. Measures for regularly occurring migratory species not listed in Annex I is required as regards their breeding, moulting and wintering areas and staging posts along their migration routes. The protection of wetlands and particularly wetlands of international importance. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the

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EU Nitrates Directive (91/676/EC)	<ul style="list-style-type: none"> Reducing water pollution caused or induced by nitrates from agricultural sources and - preventing further such pollution. 	<p>Ireland's Nitrates Action Programme is designed to prevent pollution of surface waters and ground water from agricultural sources and to protect and improve water quality. Ireland's third NAP came into operation in 2014. Each Member State's NAP must include:</p> <ul style="list-style-type: none"> a limit on the amount of livestock manure applied to the land each year set periods when land spreading is prohibited due to risk set capacity levels for the storage of livestock manure 	<p>objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Integrated Pollution Prevention Control Directive (2008/1/EC)	<ul style="list-style-type: none"> The purpose of this Directive is to achieve integrated prevention and control of pollution arising from the activities listed in Annex I. It lays down measures designed to prevent or, where that is not practicable, to reduce emissions in the air, water and land from the abovementioned activities, including measures concerning waste, in order to achieve a high level of protection of the environment taken as a whole, without prejudice to Directive 85/337/EEC and other relevant Community provisions. 	<p>The IPPC Directive is based on several principles:</p> <ul style="list-style-type: none"> an integrated approach best available techniques, flexibility; and public participation 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Plant Protection (products) Directive 2009/127/EC	<ul style="list-style-type: none"> The Directive aims at reducing the risks and impacts of pesticide use on human health and the environment by introducing different targets, tools and measures such as Integrated Pest Management (IPM) or National Action Plans (NAPs). 	<ul style="list-style-type: none"> The Framework Directive applies to pesticides which are plant protection products. Regarding pesticide application equipment already in professional use, the Framework Directive introduces requirements for the inspection and maintenance to be carried out on such equipment. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Renewables Directive (2009/28/EC)	<ul style="list-style-type: none"> The Renewable Energy Directive establishes an overall policy for the production and promotion of energy from renewable sources in the EU. It requires the EU to fulfil at least 20% of its total energy needs with renewables by 2020 – to be achieved through the attainment of individual national targets. All EU countries must also ensure that at least 10% of their transport fuels come from renewable sources by 2020. 	<ul style="list-style-type: none"> The Directive promotes cooperation amongst EU countries (and with countries outside the EU) to help them meet their renewable energy targets. The Directive specifies national renewable energy targets for each country, taking into account its starting point and overall potential for renewables. EU countries set out how they plan to meet these targets and the general course of their renewable energy policy in national renewable energy action plans. Progress towards national targets is measured every two years when EU countries publish national renewable energy progress reports. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Indirect Land Use Change Directive (2012/0288(COD))	<ul style="list-style-type: none"> Article 3(4) of Directive 2009/28/EC of the European Parliament and of the Council (3) requires Member States to ensure that the share of energy from renewable energy sources in all forms of transport in 2020 is at least 10 % of their final energy consumption. 	<ul style="list-style-type: none"> Limit the contribution that conventional biofuels (with a risk of ILUC emissions) make towards attainment of the targets in the Renewable Energy Directive; Improve the greenhouse gas performance of biofuel production processes (reducing associated emissions) by raising the greenhouse gas saving threshold for new installations subject to protecting installations already in operation on 1st July 2014; 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align</p>

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	<ul style="list-style-type: none"> The blending of biofuels is one of the methods available for Member States to meet this target, and is expected to be the main contributor. Other methods available to meet the target are the reduction of energy consumption, which is imperative because a mandatory percentage target for energy from renewable sources is likely to become increasingly difficult to achieve sustainably if overall demand for energy for transport continues to rise, and the use of electricity from renewable energy sources. 	<ul style="list-style-type: none"> Encourage a greater market penetration of advanced (low-ILUC) biofuels by allowing such fuels to contribute more to the targets in the Renewable Energy Directive than conventional biofuels; Improve the reporting of greenhouse gas emissions by obliging Member States and fuel suppliers to report the estimated indirect land-use change emissions of biofuels. 	<p>with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Alternative Fuels Infrastructure Directive (2014/94/EU)</p>	<ul style="list-style-type: none"> This Directive establishes a common framework of measures for the deployment of alternative fuels infrastructure in the Union in order to minimise dependence on oil and to mitigate the environmental impact of transport. 	<ul style="list-style-type: none"> This Directive sets out minimum requirements for the building-up of alternative fuels infrastructure, including recharging points for electric vehicles and refuelling points for natural gas (LNG and CNG) and hydrogen, to be implemented by means of Member States' national policy frameworks, as well as common technical specifications for such recharging and refuelling points, and user information requirements. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>EU Energy Efficiency Directive (2012/27/EU)</p>	<ul style="list-style-type: none"> Establishes a set of binding measures to help the EU reach its 20% energy efficiency target by 2020. Under the Directive, all EU countries are required to use energy more efficiently at all stages of the energy chain, from production to final consumption. 	<ul style="list-style-type: none"> Energy distributors or retail energy sales companies have to achieve 1.5% energy savings per year through the implementation of energy efficiency measures EU countries can opt to achieve the same level of savings through other means, such as improving the efficiency of heating systems, installing double glazed windows or insulating roofs The public sector in EU countries should purchase energy efficient buildings, products and services Every year, governments in EU countries must carry out energy efficient renovations on at least 3% (by floor area) of the buildings they own and occupy Energy consumers should be empowered to better manage consumption. This includes easy and free access to data on consumption through individual metering National incentives for SMEs to undergo energy audits Large companies will make audits of their energy consumption to help them identify ways to reduce it Monitoring efficiency levels in new energy generation capacities. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>EU Seveso Directive (2012/18/EU)</p>	<ul style="list-style-type: none"> This Directive lays down rules for the prevention of major accidents which involve dangerous substances, and the limitation of their consequences for human health and the environment, with a view to ensuring a high level of protection throughout the Union in a consistent and effective manner. 	<p>The Seveso Directive is well integrated with other EU policies, thus avoiding double regulation or other administrative burden. This includes the following related policy areas:</p> <ul style="list-style-type: none"> Classification, labelling and packaging of chemicals; The Union's Civil Protection Mechanism; The Security Union Agenda including CBRN-E and Protection of critical infrastructure; Policy on environmental liability and on the protection of the environment through criminal law; Safety of offshore oil and gas operations. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Biodiversity Strategy for 2030 - Bringing nature back into our lives (European Commission, 2020)</p>	<ul style="list-style-type: none"> The EU's biodiversity strategy for 2030 is a comprehensive, ambitious and long-term plan to protect nature and reverse the degradation of ecosystems. The strategy aims to put Europe's biodiversity on a path to recovery by 2030, and contains specific actions and commitments. 	<p>The Strategy contains specific commitments and actions to be delivered by 2030, including:</p> <ul style="list-style-type: none"> Establishing a larger EU-wide network of protected areas on land and at sea, building upon existing Natura 2000 areas, 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise.</p>

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		<p>with strict protection for areas of very high biodiversity and climate value.</p> <ul style="list-style-type: none"> • An EU Nature Restoration Plan - a series of concrete commitments and actions to restore degraded ecosystems across the EU by 2030, and manage them sustainably, addressing the key drivers of biodiversity loss. • A set of measures to enable the necessary transformative change: setting in motion a new, strengthened governance framework to ensure better implementation and track progress, improving knowledge, financing and investments and better respecting nature in public and business decision-making. • Measures to tackle the global biodiversity challenge, demonstrating that the EU is ready to lead by example towards the successful adoption of an ambitious global biodiversity framework under the Convention on Biological Diversity. 	<p>Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU Green Infrastructure Strategy	<p>Aims to create a robust enabling framework in order to promote and facilitate Green Infrastructure (GI) projects.</p>	<ul style="list-style-type: none"> • Promoting GI in the main EU policy areas. • Supporting EU-level GI projects. • Improving access to finance for GI projects. • Improving information and promoting innovation. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
UN Kyoto Protocol (2nd Kyoto Period), the Second European Climate Change Programme (ECCP II), Paris climate conference (COP21) 2015 (Paris Agreement)	<p>The UN Kyoto Protocol set of policy measures to reduce greenhouse gas emissions.</p> <p>The Second European Climate Change Programme (ECCP II) aims to identify and develop all the necessary elements of an EU strategy to implement the Kyoto Protocol.</p> <p>At the Paris climate conference (COP21) in December 2015, 195 countries adopted the first-ever universal, legally binding global climate deal. The agreement sets out a global action plan to put the world on track to avoid dangerous climate change by limiting global warming to well below 2°C.</p>	<ul style="list-style-type: none"> • The Kyoto Protocol is implemented through the European Climate Change Programme (ECCP II). • EU member states implement measures to improve on or complement the specified measures and policies arising from the ECCP. • Under COP21, governments agreed to come together every 5 years to set more ambitious targets as required by science; report to each other and the public on how well they are doing to implement their targets; track progress towards the long-term goal through a robust transparency and accountability system. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU 2020 Climate and Energy Package	<ul style="list-style-type: none"> • Binding legislation which aims to ensure the European Union meets its climate and energy targets for 2020. • Aims to achieve a 20% reduction in EU greenhouse gas emissions from 1990 levels. • Aims to raise the share of EU energy consumption produced from renewable resources to 20%. • Achieve a 20% improvement in the EU's energy efficiency. 	<p>Four pieces of complimentary legislation:</p> <ul style="list-style-type: none"> • Reform of the EU Emissions Trading System (EU ETS) to include a cap on emission allowances in addition to existing system of national caps. • Member States have agreed national targets for non-EU ETS emissions from countries outside the EU. • Meet the national renewable energy targets of 16% for Ireland by 2020. • Preparing a legal framework for technologies in carbon capture and storage. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EU 2030 Framework for Climate and Energy	<ul style="list-style-type: none"> • A 2030 Framework for climate and energy, including EU-wide targets and policy objectives for the period between 2020 and 2030 that has been agreed by European countries. 	<p>To meet the targets, the European Commission has proposed the following policies for 2030:</p> <ul style="list-style-type: none"> • A reformed EU emissions trading scheme (ETS). 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in</p>

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	<ul style="list-style-type: none"> Targets include a 40% cut in greenhouse gas emissions compared to 1990 levels, at least a 27% share of renewable energy consumption and at least 27% energy savings compared with the business-as-usual scenario. 	<ul style="list-style-type: none"> New indicators for the competitiveness and security of the energy system, such as price differences with major trading partners, diversification of supply, and interconnection capacity between EU countries. First ideas for a new governance system based on national plans for competitive, secure, and sustainable energy. These plans will follow a common EU approach. They will ensure stronger investor certainty, greater transparency, enhanced policy coherence and improved coordination across the EU. 	<p>combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>The Clean Air for Europe Directive (2008/50/EC) (EU Air Framework Directive)</p> <p>Fourth Daughter Directive (2004/107/EC)</p>	<ul style="list-style-type: none"> The CAFE Directive merges existing legislation into a single directive (except for the fourth daughter directive). Sets new air quality objectives for PM_{2.5} (fine particles) including the limit value and exposure related objectives. Accounts for the possibility to discount natural sources of pollution when assessing compliance against limit values. Allows the possibility for time extensions of three years (PM₁₀) or up to five years (NO₂, benzene) for complying with limit values, based on conditions and the assessment by the European Commission. The Fourth Daughter Directive lists pollutants, target values and monitoring requirements for the following: arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air. 	<ul style="list-style-type: none"> Sets objectives for ambient air quality designed to avoid, prevent or reduce harmful effects on human health and the environment as a whole. Aims to assess the ambient air quality in Member States on the basis of common methods and criteria. Obtains information on ambient air quality in order to help combat air pollution and nuisance and to monitor long-term trends and improvements resulting from national and community measures. Ensures that such information on ambient air quality is made available to the public. Aims to maintain air quality where it is good and improving it in other cases. Aims to promote increased cooperation between the Member States in reducing air pollution. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Noise Directive (2002/49/EC)</p>	<p>The Noise Directive - Directive 2002/49/EC relating to the assessment and management of environmental noise - is part of an EU strategy setting out to reduce the number of people affected by noise in the longer term and to provide a framework for developing existing Community policy on noise reduction from source.</p>	<p>The Directive requires competent authorities in Member States to:</p> <ul style="list-style-type: none"> Draw up strategic noise maps for major roads, railways, airports and agglomerations, using harmonised noise indicators and use these maps to assess the number of people which may be impacted upon as a result of excessive noise levels; Draw up action plans to reduce noise where necessary and maintain environmental noise quality where it is good; and Inform and consult the public about noise exposure, its effects, and the measures considered to address noise. <p>The Directive does not set any limit value, nor does it prescribe the measures to be used in the action plans, which remain at the discretion of the competent authorities.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Floods Directive (2007/60/EC)</p>	<ul style="list-style-type: none"> Establishes a framework for the assessment and management of flood risks Reduce adverse consequences for human health, the environment, cultural heritage and economic activity associated with floods in the Community 	<ul style="list-style-type: none"> Assess all water courses and coast lines at risk from flooding through Flood Risk Assessment Prepare flood hazard maps and flood risk maps outlining the extent or potential of flooding and assets and humans at risk in these areas at River Basin District level (Article 3(2) (b)) and areas covered by Article 5(1) and Article 13(1) (b) in accordance with paragraphs 2 and 3. Implement flood risk management plans and take adequate and coordinated measures to reduce flood risk for the areas covered by the Articles listed above. Inform the public and allow the public to participate in planning process. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Water Framework Directive (2000/60/EC)</p>	<ul style="list-style-type: none"> Establish a framework for the protection of water bodies to include inland surface waters, transitional waters, coastal waters and groundwater and their dependent wildlife and habitats. Preserve and prevent the deterioration of water status and where necessary improve and maintain "good status" of water bodies. Promote sustainable water usage. 	<ul style="list-style-type: none"> Protect, enhance and restore all water bodies and meet the environmental objectives outlined in Article 4 of the Directive. Achieve "good status" for all waters. Manage water bodies based on identifying and establishing river basins districts. Involve the public and streamline legislation. Prepare and implement a River Basin Management Plan for each river basin districts identified and a Register of Protected Areas. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in</p>

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	<ul style="list-style-type: none"> • The Water Framework Directive repealed the following Directives: <ul style="list-style-type: none"> ○ The Drinking Water Abstraction Directive ○ Sampling Drinking Water Directive ○ Exchange of Information on Quality of Surface Freshwater Directive ○ Shellfish Directive ○ Freshwater Fish Directive ○ Groundwater (Dangerous Substances) Directive ○ Dangerous Substances Directive 	<ul style="list-style-type: none"> • Establish a programme of monitoring for surface water status, groundwater status and protected areas. • Recover costs for water services. 	<p>combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Groundwater Directive (2006/118/EC)	<ul style="list-style-type: none"> • Protect, control and conserve groundwater. • Prevent the deterioration of the status of all bodies of groundwater. • Implements measures to prevent and control groundwater pollution, including criteria for assessing good groundwater chemical status and criteria for the identification of significant and sustained upward trends and for the definition of starting points for trend reversals. 	<ul style="list-style-type: none"> • Meet minimum groundwater standards listed in Annex 1 of Directive. • Meet threshold values adopted by national legislation for the pollutants, groups of pollutants and indicators of pollution which have been identified as contributing to the characterisation of bodies or groups of bodies of groundwater as being at risk, also taking into account Part B of Annex II. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Drinking Water Directive (98/83/EC)	<ul style="list-style-type: none"> • Improve and maintain the quality of water intended for human consumption. • Protect human health from the adverse effects of any contamination of water intended for human consumption by ensuring that it is wholesome and clean. 	<ul style="list-style-type: none"> • Set values applicable to water intended for human consumption for the parameters set out in Annex I. • Set values for additional parameters not included in Annex I, where the protection of human health within national territory or part of it so requires. The values set should, as a minimum, satisfy the requirements of Article 4(1) (a). • Implement all measures necessary to ensure that regular monitoring of the quality of water intended for human consumption is carried out, in order to check that the water available to consumers meets the requirements of this Directive and in particular the parametric values set in accordance with Article 5. • Ensure that any failure to meet the parametric values set in accordance with Article 5 is immediately investigated in order to identify the cause. • Ensure that the necessary remedial action is taken as soon as possible to restore its quality and shall give priority to their enforcement action. • Undertake remedial action to restore the quality of the water where necessary to protect human health. • Notify consumers when remedial action is being undertaken except where the competent authorities consider the non-compliance with the parametric value to be trivial. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Urban Waste Water Treatment Directive (91/271/EEC)	<ul style="list-style-type: none"> • This Directive concerns the collection, treatment and discharge of urban waste water and the treatment and discharge of waste water from certain industrial sectors. • The objective of the Directive is to protect the environment from the adverse effects of waste water discharges. 	<ul style="list-style-type: none"> • Urban waste water entering collecting systems shall before discharge, be subject to secondary treatment. • Annex II requires the designation of areas sensitive to eutrophication which receive water discharges. • Establishes minimum requirements for urban waste water collection and treatment systems in specified agglomerations to include special requirements for sensitive areas and certain industrial sectors. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Environmental Liability Directive (2004/35/EC) as amended by Directive 2006/21/EC, Directive	<ul style="list-style-type: none"> • Establish a framework of environmental liability based on the 'polluter-pays' principle, to prevent and remedy environmental damage. 	<ul style="list-style-type: none"> • Relates to environmental damage caused by any of the occupational activities listed in Annex III, and to any imminent threat of such damage occurring by reason of any of those activities; damage to protected species 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in</p>

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<p>2009/31/EC and Directive 2013/30/EU</p>		<p>and natural habitats caused by any occupational activities other than those listed in Annex III, and to any imminent threat of such damage occurring by reason of any of those activities, whenever the operator has been at fault or negligent.</p> <ul style="list-style-type: none"> Where environmental damage has not yet occurred but there is an imminent threat of such damage occurring, the operator shall, without delay, take the necessary preventive measures. Where environmental damage has occurred the operator shall, without delay, inform the competent authority of all relevant aspects of the situation and take all practicable steps to immediately control, contain, remove or otherwise manage the relevant contaminants and/or any other damage factors in order to limit or to prevent further environmental damage and adverse effects on human health or further impairment of services and the necessary remedial measures, in accordance with Article 7. The operator shall bear the costs for the preventive and remedial actions taken pursuant to this Directive. The competent authority shall be entitled to initiate cost recovery proceedings against the operator. The operator may be required to provide financial security guarantees to ensure their responsibilities under the directive are met. The Environmental Liability Directive has been amended through a number of Directives. Implementation of the Environmental Liability Directive is contributed towards by a Multi-Annual Work Programme (MAWP) 'Making the Environmental Liability Directive more fit for purpose' that is updated annually to changing developments, growing knowledge and new needs. 	<p>combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>European Convention on the Protection of the Archaeological Heritage (Valletta 1992)</p>	<ul style="list-style-type: none"> The aim of this (revised) Convention is to protect the archaeological heritage as a source of the European collective memory and as an instrument for historical and scientific study. 	<p>The Valletta Convention makes the conservation and enhancement of the archaeological heritage one of the goals of urban and regional planning policies. The Convention sets guidelines for the funding of excavation and research work and publication of research findings. It also deals with public access, in particular to archaeological sites, and educational actions to be undertaken to develop public awareness of the value of the archaeological heritage. It also constitutes an institutional framework for pan-European co-operation on the archaeological heritage, entailing a systematic exchange of experience and experts among the various States.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Convention of the Protection of the Architectural Heritage of Europe (Granada 1995)</p>	<ul style="list-style-type: none"> The main purpose of the Convention is to reinforce and promote policies for the conservation and enhancement of Europe's heritage. It also affirms the need for European solidarity with regard to heritage conservation and is designed to foster practical co-operation among the Parties. It establishes the principles of "European co-ordination of conservation policies" including consultations regarding the thrust of the policies to be implemented. 	<ul style="list-style-type: none"> The reinforcement and promotion of policies for protecting and enhancing the heritage within the territories of the parties. The affirmation of European solidarity with regard to the protection of the heritage and the fostering of practical co-operation between states and regions. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Council of Europe Framework Convention on the Value of Cultural Heritage for Society (Faro 2005)</p>	<ul style="list-style-type: none"> Cultural heritage is a group of resources inherited from the past which people identify, independently of ownership, as a reflection and expression of their constantly evolving values, beliefs, knowledge and traditions. It includes all aspects of the environment resulting from the interaction between people and places through time. 	<ul style="list-style-type: none"> Recognise that rights relating to cultural heritage are inherent in the right to participate in cultural life, as defined in the Universal Declaration of Human Rights. Recognise individual and collective responsibility towards cultural heritage. Emphasise that the conservation of cultural heritage and its sustainable use have human development and quality of life as their goal. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align</p>

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	<ul style="list-style-type: none"> A heritage community consists of people who value specific aspects of cultural heritage which they wish, within the framework of public action, to sustain and transmit to future generations. 	<ul style="list-style-type: none"> Take the necessary steps to apply the provisions of this Convention concerning the role of cultural heritage in the construction of a peaceful and democratic society. Greater synergy of competencies among all the public, institutional and private actors concerned. 	with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
European Landscape Convention 2000	<ul style="list-style-type: none"> The developments in agriculture, forestry, industrial and mineral production techniques, together with the practices followed in town and country planning, transport, networks, tourism and recreation, and at a more general level, changes in the world economy, have in many cases accelerated the transformation of landscapes. The Convention expresses a concern to achieve sustainable development based on a balanced and harmonious relationship between social needs, economic activity and the environment. It aims to respond to the public's wish to enjoy high quality landscapes. 	<ul style="list-style-type: none"> Promote protection, management and planning of landscapes. Organise European co-operation on landscape issues. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
The Seventh Environmental Action Programme (EAP) of the European Community (2013-2020)	It identifies three key objectives: <ul style="list-style-type: none"> to protect, conserve and enhance the Union's natural capital to turn the Union into a resource-efficient, green, and competitive low-carbon economy to safeguard the Union's citizens from environment-related pressures and risks to health and wellbeing 	Four so called "enablers" will help Europe deliver on these objectives (goals): <ul style="list-style-type: none"> Better implementation of legislation. Better information by improving the knowledge base. More and wiser investment for environment and climate policy. Full integration of environmental requirements and considerations into other policies. Two additional horizontal priority objectives complete the programme: <ul style="list-style-type: none"> To make the Union's cities more sustainable. To help the Union address international environmental and climate challenges more effectively. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Bern Convention (Convention on the Conservation of European Wildlife and Natural Habitats)	The convention has three main aims: <ul style="list-style-type: none"> to conserve wild flora and fauna and their natural habitats to promote cooperation between states to give particular attention to endangered and vulnerable species including endangered and vulnerable migratory species 	The Parties under the convention recognise the intrinsic value of nature, which needs to be preserved and passed to future generations, they also: <ul style="list-style-type: none"> Seek to ensure the conservation of nature in their countries, paying particular attention to planning and development policies and pollution control. Look at implementing the Bern Convention in central Eastern Europe and the Caucasus. Take account of the potential impact on natural heritage by other policies. Promote education and information of the public, ensuring the need to conserve species is understood and acted upon. Develop an extensive number of species action plans, codes of conducts, and guidelines, at their own initiative or in co-operation with other organisations. Created the Emerald Network, an ecological network made up of Areas of Special Conservation Interest. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Bali Road Map (2007)	The overall goals of the project are twofold: <ul style="list-style-type: none"> To increase national capacity to co-ordinate ministerial views, participate in the UNFCCC process, and negotiate positions within the timeframe of the Bali Action Plan; and To assess investment and financial flows to address climate change for up to three key sectors and/or economic activities. 	The Bali Action Plan is centred on four main building Blocks: <ul style="list-style-type: none"> mitigation adaptation technology financing 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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Cancun Agreements (2010)	Set of decisions taken at the COP 16 Conference in Cancun in 2010 which addresses a series of key issues in the fight against climate change. Cancun Agreements' main objectives cover: <ul style="list-style-type: none"> • Mitigation • Transparency of actions • Technology • Finance • Adaptation • Forests • Capacity building 	Among the most prominent agreements is the establishment of a Green Climate Fund to transfer money from the developed to developing world to tackle the impacts of climate change.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Doha Climate Gateway (2012)	Set of decisions taken at the COP 18 meeting in Doha in 2012 which pave the way for a new agreement in Paris in 2015.	<ul style="list-style-type: none"> • Set out a timetable to adopt a universal climate agreement by 2015 (to come into effect in 2020); • Complete the work under Bali Action Plan and to focus on new completing new targets; • Strengthen the aim to cut greenhouse gases and help vulnerable countries to adapt; • Amend Kyoto Protocol to include a new commitment period for cutting down the greenhouse gases emissions; and • Provide the financial and technology support and new institutions to allow clean energy investment and sustainable growth in developing countries. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EU Common Agricultural Policy	<ul style="list-style-type: none"> • To improve agricultural productivity, so that consumers have a stable supply of affordable food; and • To ensure that EU farmers can make a reasonable living. 	<ul style="list-style-type: none"> • ensuring viable food production that will contribute to feeding the world's population, which is expected to rise considerably in the future; • Climate change and sustainable management of natural resources; • Looking after the countryside across the EU and keeping the rural economy alive. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
EU REACH Regulation (EC 1907/2006)	<ul style="list-style-type: none"> • Aims to improve the protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances. 	The aims are achieved by applying REACH, namely: <ul style="list-style-type: none"> • Registration, • Evaluation, • Authorisation; and • Restriction of chemicals. REACH also aims to enhance innovation and competitiveness of the EU chemicals industry.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Stockholm Convention	<ul style="list-style-type: none"> • The objective of the Stockholm Convention is to protect human health and the environment from persistent organic pollutants. 	<ul style="list-style-type: none"> • Prohibit and/or eliminate the production and use, as well as the import and export, of the intentionally produced POPs that are listed in Annex A to the Convention • Restrict the production and use, as well as the import and export, of the intentionally produced POPs that are listed in Annex B to the Convention • Reduce or eliminate releases from unintentionally produced POPs that are listed in Annex C to the Convention 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and

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		<ul style="list-style-type: none"> • Ensure that stockpiles and wastes consisting of, containing or contaminated with POPs are managed safely and in an environmentally sound manner • Other provisions of the Convention relate to the development of implementation plans, information exchange, public information, awareness and education, research, development and monitoring, technical assistance, financial resources and mechanisms, reporting, effectiveness evaluation and non-compliance 	their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Ramsar Convention	The Convention's mission is "the conservation and wise use of all wetlands through local and national actions and international cooperation, as a contribution towards achieving sustainable development throughout the world".	Under the "three pillars" of the Convention, the Contracting Parties commit to: <ul style="list-style-type: none"> • Work towards the wise use of all their wetlands; • Designate suitable wetlands for the list of Wetlands of International Importance (the "Ramsar List") and ensure their effective management; • Cooperate internationally on transboundary wetlands, shared wetland systems and shared species. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
European 2020 Strategy for Growth	Europe 2020 sets out a vision of Europe's social market economy for the 21st century and puts forward three mutually reinforcing priorities: <ul style="list-style-type: none"> • Smart growth: developing an economy based on knowledge and innovation; • Sustainable growth: promoting a more resource efficient, greener and more competitive economy; • Inclusive growth: fostering a high-employment economy delivering social and territorial cohesion. 	In order to reach these priorities, the Commission proposes five quantitative targets to fulfil by 2020: <ol style="list-style-type: none"> 1. 75 % of the population aged 20-64 should be employed; 2. 3% of the EU's GDP should be invested in R&D; 3. the "20/20/20" climate/energy targets should be met (including an increase to 30% of emissions reduction if the conditions are right); 4. the share of early school leavers should be under 10% and at least 40% of the younger generation should have a tertiary degree; 5. 20 million less people should be at risk of poverty. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Level			
Ireland 2040 - Our Plan, the National Planning Framework, and the National Development Plan	The National Planning Framework is the Government's high-level strategic plan for shaping the future growth and development of to the year 2040. It is a framework to guide public and private investment, to create and promote opportunities for people, and to protect and enhance the environment - from villages to cities, and everything around and in between. The National Development Plan sets out the investment priorities that will underpin the successful implementation of the new National Planning Framework. This will guide national, regional and local planning and investment decisions in Ireland over the next two decades, to cater for an expected population increase of over 1 million people.	National Strategic Outcomes as follows: <ol style="list-style-type: none"> 1. Compact Growth 2. Enhanced Regional Accessibility 3. Strengthened Rural Economies and Communities 4. Sustainable Mobility 5. A Strong Economy, supported by Enterprise, Innovation and Skills 6. High-Quality International Connectivity 7. Enhanced Amenity and Heritage 8. Transition to a Low-Carbon and Climate-Resilient Society 9. Sustainable Management of Water and other Environmental Resources 10. Access to Quality Childcare, Education and Health Services 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Planning, Land Use and Transport Outlook 2040 [in preparation]	The PLUTO will take account of forecasted future economic and demographic scenarios, affordability considerations and relevant Government policies and will: <ol style="list-style-type: none"> 1. Quantify in broad terms the appropriate scale of financial investment in land transport over the long term; 2. Consider how fiscal, environmental and technological developments might impact on this investment; and, 3. Identify strategic priorities for future investment to ensure land transport infrastructure provision facilitates the objectives of Project Ireland 2040. 	In preparation	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the

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Planning and Development Act 2000 (as amended)	<ul style="list-style-type: none"> The core principal objectives of this Act are to amend the Planning Acts of 2000 – 2009 with specific regard given to supporting economic renewal and sustainable development. 	<ul style="list-style-type: none"> Development, with certain exceptions, is subject to development control under the Planning Acts and the local authorities grant or refuse planning permission for development, including ones within protected areas. There are, however, a range of exemptions from the planning system. Use of land for agriculture, peat extraction and afforestation, subject to certain thresholds, is generally exempt from the requirement to obtain planning permission. Additionally, Environmental Impact Assessment (EIA) is required for a range of classes and large-scale projects. Under planning legislation, Development Plans must include mandatory objectives for the conservation of the natural heritage and for the conservation of European sites and any other sites which may be prescribed. There are also discretionary powers to set objectives for the conservation of a variety of other elements of the natural heritage. 	<p>objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities (Environmental Assessment of Certain Plans and Programmes Regulations 2004 (S.I. 435 of 2004), as amended by S.I. 200 of 2011	<ul style="list-style-type: none"> The purpose of these Regulations is to transpose into Irish law Directive 2001/42/EC of 27 June 2001 (O.J. No. L 197, 21 July 2001) on the assessment of the effects of certain plans and programmes on the environment — commonly known as the Strategic Environmental Assessment (SEA) Directive. 	<ul style="list-style-type: none"> The Regulations cover plans and programmes in all of the sectors listed in article 3(2) of the Directive except land-use planning. These Regulations also amend certain provisions of the Planning and Development Act 2000 to provide the statutory basis for the transposition of the Directive in respect of land-use planning. Transposition in respect of the land-use planning sector is contained in the Planning and Development (Strategic Environmental Assessment) Regulations 2004 (S.I. No. 436 of 2004). 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. 477 of 2011, as amended)	<ul style="list-style-type: none"> These Regulations provide a new for the implementation in Ireland of Council Directive 92/43/EEC on habitats and protection of wild fauna and flora (as amended) and for the implementation of Directive 2009/147/EC of the European Parliament and of the Council on the protection of wild birds. 	<ul style="list-style-type: none"> They provide, among other things, for: the appointment and functions of authorized officers; identification, classification and other procedures relative to the designation of Community sites. The Regulations have been prepared to address several judgments of the CJEU against Ireland, notably cases C-418/04 and C-183/05, in respect of failure to transpose elements of the Birds Directive and the Habitats Directive into Irish law. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Waste Management Act 1996, as amended	<ul style="list-style-type: none"> To make provision in relation to the prevention, management and control of waste; to give effect to provisions of certain acts adopted by institutions of the European communities in respect of those matters; to amend the Environmental Protection Agency Act, 1992, and to repeal certain enactments and to provide for related matters. 	<ul style="list-style-type: none"> The Waste Management Act contains a number of key legal obligations, including requirements for waste management planning, waste collection and movement, the authorisation of waste facilities, measures to reduce the production of waste and/or promote its recovery. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Communities Environmental Objectives (FPM) Regulations 2009 (S.I 296 of 2009)	<ul style="list-style-type: none"> The purpose of these Regulations is to support the achievement of favourable conservation status for freshwater pearl mussels 	<ul style="list-style-type: none"> Set environmental quality objectives for the habitats of the freshwater pearl mussel populations named in the First Schedule to these Regulations that are within the boundaries of a site notified in a candidate list of European sites, or designated as a Special Area of Conservation, under the 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise.</p>

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		<p>European Communities (Natural Habitats) Regulations, 1997 (S.I. No. 94/1997).</p> <ul style="list-style-type: none"> Require the production of sub-basin management plans with programmes of measures to achieve these objectives. Set out the duties of public authorities in respect of the sub-basin management plans and programmes of measure. 	<p>Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. 9 of 2010), as amended (S.I. No. 366 of 2016)</p>	<ul style="list-style-type: none"> To amend the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) to make further provision to implement Commission Directive 2014/80/EU of 20 June 2014 amending Annex II to Directive 2006/118/EC of the European Parliament and of the Council on the protection of groundwater against pollution and deterioration. 	<p>The substances and threshold values set out in Schedule 5 to S.I. No. 9 of 2010 have been reviewed and amended where necessary, based on existing monitoring information and international guidelines on appropriate threshold values.</p> <ul style="list-style-type: none"> Part A of Schedule 6 has been amended to include changes to the rules governing the determination of background levels for the purposes of establishing threshold values for groundwater pollutants and indicators of pollution. Part B of Schedule 6 has been amended to include nitrites and phosphorus (total) / phosphates among the minimum list of pollutants and their indicators which the Environmental Protection Agency (EPA) must consider when establishing threshold values. Part C of Schedule 6 amends the information to be provided to the Minister by the EPA with regard to the pollutants and their indicators for which threshold values have been established. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2014 (S.I. No. 31 of 2014)</p>	<ul style="list-style-type: none"> These Regulations, which give effect to Ireland’s 3rd Nitrates Action Programme, provide statutory support for good agricultural practice to protect waters against pollution from agricultural sources 	<p>The Regulations include measures such as:</p> <ul style="list-style-type: none"> Periods when land application of fertilisers is prohibited Limits on the land application of fertilisers Storage requirements for livestock manure; and Monitoring of the effectiveness of the measures in terms of agricultural practice and impact on water quality. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Climate Action and Low Carbon Development Act 2015, as amended</p>	<ul style="list-style-type: none"> An Act to provide for the approval of plans by the Government in relation to climate change for the purpose of pursuing the transition to a low carbon, climate resilient and environmentally sustainable economy. 	<p>When considering a plan or framework, for approval, the Government shall endeavour to achieve the national transition objective within the period to which the objective relates and shall, in endeavouring to achieve that objective, ensure that such objective is achieved by the implementation of measures that are cost effective and shall, for that purpose, have regard to:</p> <ul style="list-style-type: none"> The ultimate objective specified in Article 2 of the United Nations Framework Convention on Climate Change done at New York on 9 May 1992 and any mitigation commitment entered into by the European Union in response or otherwise in relation to that objective, The policy of the Government on climate change, Climate justice, Any existing obligation of the State under the law of the European Union or any international agreement referred to in section 2; and The most recent national greenhouse gas emissions inventory and projection of future greenhouse gas emissions, prepared by the Agency. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Climate Action Plan 2023</p>	<p>The National Climate Action Plan 2023 provides a detailed plan for taking decisive action to achieve a 51% reduction in overall greenhouse gas emissions by 2030 and setting Ireland on a path to reach net-zero emissions by no later than 2050, as committed to in the Programme for Government and set out in the Climate Act 2021.</p>	<p>The Plan lists the actions needed to deliver on Ireland’s climate targets and sets indicative ranges of emissions reductions for each sector of the economy. It will be updated periodically to ensure alignment with Ireland’s legally binding economy-wide carbon budgets and sectoral ceilings.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align</p>

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The Sustainable Development Goals National Implementation Plan (2018 – 2020)	<ul style="list-style-type: none"> National Implementation Plan 2018 - 2020 is in direct response to the 2030 Agenda for Sustainable Development and provides a whole-of-government approach to implement the 17 Sustainable Development Goals (SDGs). The Plan provides a 'SDG Matrix' which identifies the responsible Government Departments for each of the 169 targets. It also includes a 'SDG Policy Map' indicating the relevant national policies for each of the targets. 	<p>The Plan identifies four strategic priorities to guide implementation:</p> <ul style="list-style-type: none"> Awareness: raise public awareness of the SDGs; Participation: provide stakeholders opportunities to engage and contribute to follow-up and review processes, and further develop national implementation of the Goals; Support: encourage and support efforts of communities and organisations to contribute towards meeting the SDGs, and foster public participation; and Policy alignment: develop alignment of national policy with the SDGs and identify opportunities for policy coherence. 	<p>with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Infrastructure and Capital Investment Plan (2016-2021)	<ul style="list-style-type: none"> €27 billion multi-annual Exchequer Capital Investment Plan, which is supported by a programme of capital investment in the wider State sector, and which over the period 2016 to 2021 will help to lay the foundations for continued growth in Ireland. 	<ul style="list-style-type: none"> This Capital Plan reflects the Government's commitment to supporting strong and sustainable economic growth and raising welfare and living standards for all. It includes allocations for new projects across a number of key areas and funding to ensure that the present stock of national infrastructure is refreshed and maintained. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
European Union (Birds and Natural Habitats) (Sea-Fisheries) Regulations 2013 (S.I. 290 of 2013)	<p>These regulations have been drafted to implement the responsibilities of the Minister for Agriculture Food and the Marine in relation to sea fisheries in Natura 2000 sites, in accordance with the Habitats and Birds Directives as transposed by the European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. 477 of 2011).</p>	<ul style="list-style-type: none"> Regulation 3 provides for the submission of a Fisheries Natura Plan in relation to planned fisheries; Regulation 4 provides for a screening of a Fisheries Natura Plan to determine whether or not an appropriate assessment is required; Regulation 5 provides for an appropriate assessment of a Fisheries Natura Plan and also provides for public and statutory consultation; Regulation 6 provides for the Minister to make a determination to adopt a Fisheries Natura Plan. The Minister may amend, withdraw or revoke a plan; Regulation 7 provides for publication of the adopted Fisheries Natura Plan; Regulation 8 provides for a Risk Assessment of unplanned fisheries and also provides for public and statutory consultation on the assessment; Regulation 9 provides for the issue of a Natura Declaration to prohibit, restrict including restricting by permit, control, etc. of sea fishing activities; Regulation 10 provides for Natura Permits to be issued where required by Natura Declarations; and Regulations 11 to 31 deal with functions of authorised officers and related matters, offences, etc. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Ireland's National Renewable Energy Action Plan 2010 (Irish Government submission to the European Commission)	<ul style="list-style-type: none"> The National Renewable Energy Action Plan (NREAP) sets out the Government's strategic approach and concrete measures to deliver on Ireland's 16% target under Directive 2009/28/EC. 	<ul style="list-style-type: none"> The NREAP sets out the Member State's national targets for the share of energy from renewable sources to be consumed in transport, electricity and heating and cooling in 2020, and demonstrates how the Member State will meet its overall national target established under the Directive. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the</p>

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Strategy for Renewable Energy (2012-2020)	<ul style="list-style-type: none"> The Government's overarching strategic objective is to make renewable energy an increasingly significant component of Ireland's energy supply by 2020, so that at a minimum it will achieve its legally binding 2020 target in the most cost-efficient manner for consumers. Of critical importance is the role which the renewable energy sector plays in job creation and economic activity as part of the Government's action plan for jobs. 	<p>This document sets out five strategic goals, reflecting the key dimensions of the renewable energy challenge to 2020:</p> <ul style="list-style-type: none"> Increasing on and offshore wind, Building a sustainable bioenergy sector, Fostering R&D in renewables such as wave & tidal, Growing sustainable transport; and Building out robust and efficient networks. 	<p>objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
National Climate Mitigation Plan 2017	<ul style="list-style-type: none"> The Plan represents an initial step to set Ireland on a pathway to achieve the deep decarbonisation required in Ireland by mid-century in line with the Government's policy objectives. 	<p>The National Mitigation Plan focuses on the following issues:</p> <ul style="list-style-type: none"> Climate Action Policy Framework Decarbonising Electricity Generation Decarbonising the Built Environment Decarbonising Transport An Approach to Carbon Neutrality for Agriculture, Forest and Land Use Sectors 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
National Clean Air Strategy [in preparation]	<ul style="list-style-type: none"> The Clean Air Strategy will provide the strategic policy framework necessary to identify and promote integrated measures across government policy that are required to reduce air pollution and promote cleaner air while delivering on wider national objectives. 	<ul style="list-style-type: none"> Having a National Strategy will provide a policy framework by which Ireland can develop the necessary policies and measures to comply with new and emerging EU legislation. The Strategy should also help tackle climate change. The Strategy will consider a wider range of national policies that are relevant to clean air policy such as transport, energy, home heating and agriculture. In any discussion relating to clean air policy, the issue of people's health is paramount and this will be a strong theme of the Strategy. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
EirGrid's Grid25 Strategy and associated Grid25 Implementation Programme 2017-2022	<ul style="list-style-type: none"> EirGrid's mission is to develop, maintain and operate a safe, secure, reliable, economical and efficient transmission system for Ireland; <i>"Our vision is of a grid developed to match future needs, so it can safely and reliably carry power all over the country to the major towns and cities and onwards to every home, farm and business where the electricity is consumed and so it can meet the needs of consumers and generators in a sustainable way."</i> 	<ul style="list-style-type: none"> Grid25, EirGrid's roadmap to uprate the electricity transmission grid by 2025, continues to be implemented so as to increase the capacity of the grid, to satisfy future demand, and to help Ireland meet its target of 40 per cent of electricity from renewable energy by 2020. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Strategy for the Future Development of National and Regional Greenways (2018)	<ul style="list-style-type: none"> The objective of this Strategy is to assist in the strategic development of nationally and regionally significant Greenways in appropriate locations constructed to an appropriate standard in order to deliver a quality experience for all Greenways users. It also aims to increase the number and geographical spread of Greenways of scale and quality around the country over the 	<ul style="list-style-type: none"> A Strategic Greenway network of national and regional routes, with a number of high capacity flagship routes that can be extended and/or link with local Greenways and other cycling and walking infrastructure; Greenways of scale and appropriate standard that have significant potential to deliver an increase in activity tourism to Ireland and are regularly used by overseas visitors, domestic visitors and locals thereby contributing to a healthier society through increased physical activity; 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align</p>

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	<p>next 10 years with a consequent significant increase in the number of people using Greenways as a visitor experience and as a recreational amenity.</p>	<ul style="list-style-type: none"> Greenways that provide a substantially segregated off road experience linking places of interest, recreation and leisure in areas with beautiful scenery of different types with plenty to see and do; and Greenways that provide opportunities for the development of local businesses and economies, and Greenways that are developed with all relevant stakeholders in line with an agreed code of practice. 	<p>with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Water Resources Plan [in preparation]</p>	<ul style="list-style-type: none"> The NWRP is a plan on how to provide a safe, secure and reliable water supply to customers for the next 25 years, without causing adverse impact on the environment. The objective of the NWRP is to set out how we intend to maintain the supply and demand for drinking water over the short, medium and long term whilst minimising the impact on the environment. The preparation of the NWRP has been divided into two phases, the combination of which will become the final NWRP. The NWRP Framework Plan (Phase 1) has now been adopted. Phase 2 of the NWRP (four Regional Water Resources Plans), currently in preparation, will address the needs across the 535 individual water supplies and identify the solutions to address these needs. 	<p>The key objectives of the plan are to:</p> <ul style="list-style-type: none"> Identify areas where there are current and future potential water supply shortfalls, taking into account normal and extreme weather conditions Assess the current and future water demand from homes, businesses, farms, and industry Consider the impacts of climate change on Ireland’s water resources Develop a drought plan advising measures to be taken before and during drought events Develop a plan detailing how we deal with the material that is produced as a result of treating drinking water Assess the water resources available at a national level including lakes, rivers and groundwater 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Strategic Plan for Aquaculture Development (2014-2020)</p>	<p>Vision: <i>"Aquaculture in RC is economically, socially and ecologically sustainable, with a developed infrastructure, strong human potentials and an organized market. The consumption of aquaculture products is equal or above EU average, while the technological development of the sector is among the best in the EU."</i></p>	<p>General development and growth objectives of marine and freshwater aquaculture (2014 – 2020):</p> <ul style="list-style-type: none"> Strengthen the social, business and administrative environment for aquaculture development Increase in the total production to 24,050 tonnes while adhering to the principles of economic, social and ecological sustainability Improvement of the perception and increase in the national consumption of National products 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Construction 2020, A Strategy for a Renewed Construction Sector</p>	<ul style="list-style-type: none"> Construction 2020 sets out a package of measures agreed by the Government and is aimed at stimulating activity in the building industry. The Strategy aims both to increase the capacity of the sector to create and maintain jobs, and to deliver a sustainable sector, operating at an appropriate level. It seeks to learn the lessons of the past and to ensure that the right structures and mechanisms are in place so that they are not repeated. 	<p>This Strategy therefore addresses issues including:</p> <ul style="list-style-type: none"> A strategic approach to the provision of housing, based on real and measured needs, with mechanisms in place to detect and act when things are going wrong; Continuing improvement of the planning process, striking the right balance between current and future requirements; The availability of financing for viable and worthwhile projects; Access to mortgage finance on reasonable and sustainable terms; Ensuring we have the tools we need to monitor and regulate the sector in a way that underpins public confidence and worker safety; Ensuring a fit for purpose sector supported by a highly skilled workforce achieving high quality and standards; and Ensuring opportunities are provided to unemployed former construction workers to contribute to the recovery of the sector. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Sustainable Development: A Strategy for Ireland (1997)</p>	<ul style="list-style-type: none"> The overall aim of this Strategy is to ensure that economy and society in Ireland can develop to their full potential within a well-protected environment, without compromising the quality of that environment, and with responsibility towards present and future generations and the wider international community. 	<ul style="list-style-type: none"> The Strategy addresses all areas of Government policy, and of economic and societal activity, which impact on the environment. It seeks to re-orientate policies as necessary to ensure that the strong growth Ireland enjoys and seeks to maintain will be environmentally sustainable. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the</p>

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<p>National Landscape Strategy for Ireland 2015-2025 and National Landscape Character Assessment (pending preparation)</p>	<ul style="list-style-type: none"> The National Landscape Strategy will be used to ensure compliance with the European Landscape Convention and to establish principles for protecting and enhancing the landscape while positively managing its change. It will provide a high-level policy framework to achieve balance between the protection, management and planning of the landscape by way of supporting actions. Landscape Strategy Vision: <i>"Our landscape reflects and embodies our cultural values and our shared natural heritage and contributes to the well-being of our society, environment and economy. We have an obligation to ourselves and to future generations to promote its sustainable protection, management and planning."</i> 	<p>The objectives of the National Landscape Strategy are to:</p> <ul style="list-style-type: none"> Implement the European Landscape Convention by integrating landscape into the approach to sustainable development; Establish and embed a public process of gathering, sharing and interpreting scientific, technical and cultural information in order to carry out evidence-based identification and description of the character, resources and processes of the landscape; Provide a policy framework, which will put in place measures at national, sectoral - including agriculture, tourism, energy, transport and marine - and local level, together with civil society, to protect, manage and properly plan through high quality design for the sustainable stewardship of the landscape; Ensure that we take advantage of opportunities to implement policies relating to landscape use that are complementary and mutually reinforcing and that conflicting policy objectives are avoided in as far as possible. 	<p>objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Hazardous Waste Management Plan (EPA) 2014-2020 and new National Hazardous Waste Management Plan 2021-2027</p>	<p>This Plan sets out the priorities to be pursued over the next six years and beyond to improve the management of hazardous waste, taking into account the progress made since the previous plan and the waste policy and legislative changes that have occurred since the previous plan was published. Section 26 of the Waste Management Act 1996 as amended, sets out the overarching objectives for the National Hazardous Waste Management Plan. In this context, the following objectives are included as priorities for the revised Plan period:</p> <ul style="list-style-type: none"> To prevent and reduce the generation of hazardous waste by industry and society generally; To maximise the collection of hazardous waste with a view to reducing the environmental and health impacts of any unregulated waste; To strive for increased self-sufficiency in the management of hazardous waste and to minimise hazardous waste export; To minimise the environmental, health, social and economic impacts of hazardous waste generation and management. 	<p>The revised Plan makes 27 recommendations under the following topics:</p> <ul style="list-style-type: none"> Prevention Collection Self-sufficiency Regulation Legacy issues North-south cooperation Guidance and awareness Implementation 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Ministerial Guidelines such as Sustainable Rural Housing Guidelines and Flood Risk Management Guidelines</p>	<ul style="list-style-type: none"> The Department produces a range of guidelines designed to help planning authorities, An Bord Pleanála, developers and the general public and cover a wide range of issues amongst others, architectural heritage, child care facilities, landscape, quarries and residential density. 	<ul style="list-style-type: none"> The Minister issues statutory guidelines under Section 28 of the Act which planning authorities and An Bord Pleanála are obliged to have regard to in the performance of their planning functions. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>HSE Healthy Ireland Framework for Improved Health and Wellbeing 2013-2025</p>	<ul style="list-style-type: none"> The vision is: <i>"A Healthy Ireland, where everyone can enjoy physical and mental health and wellbeing to their full potential, where wellbeing is valued and supported at every level of society and is everyone's responsibility."</i> 	<p>These four goals are interlinked, interdependent and mutually supportive:</p> <ul style="list-style-type: none"> Goal 1: Increase the proportion of people who are healthy at all stages of life Goal 2: Reduce health inequalities Goal 3: Protect the public from threats to health and wellbeing Goal 4: Create an environment where every individual and sector of society can play their part in achieving a healthy Ireland 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in</p>

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Our Sustainable Future: A framework for Sustainable Development for Ireland 2012	A medium to long term framework for advancing sustainable development and the green economy in Ireland. It identifies spatial planning as a key challenge for sustainable development and sets a series of measures to address these challenges.	<ul style="list-style-type: none"> Sets out the challenges facing us and how we might address them in making sure that quality of life and general wellbeing can be improved and sustained in the decades to come. 	<p>combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Smarter Travel – A Sustainable Transport Future – A New Transport Policy for Ireland 2009 – 2020 (2009)	<ul style="list-style-type: none"> Outlines a policy for how a sustainable travel and transport system can be achieved. Sets out five key goals: <ul style="list-style-type: none"> To reduce overall travel demand. To maximise the efficiency of the transport network. To reduce reliance on fossil fuels. To reduce transport emissions. To improve accessibility to transport. 	<ul style="list-style-type: none"> Others lower level aims include: <ul style="list-style-type: none"> reduce distance travelled by private car and encourage smarter travel, including focusing population growth in areas of employment and to encourage people to live in close proximity to places of employment ensuring that alternatives to the car are more widely available, mainly through a radically improved public transport service and through investment in cycling and walking improving the fuel efficiency of motorised transport through improved fleet structure, energy efficient driving and alternative technologies strengthening institutional arrangements to deliver the targets 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Investing in our Future: A Strategic Framework for Investment in Land Transport (SFILT) – Department of Transport, Tourism and Sport	<ul style="list-style-type: none"> SFILT sets out a set of priorities to guide the allocation of the State's investment to best develop and manage Ireland's land transport network over the coming decades. 	<p>The three priorities stated in SFILT are:</p> <ul style="list-style-type: none"> Priority 1: Achieve steady state maintenance (meaning that the maintenance and renewal of the existing transport system is at a sufficient level to maintain the system in an adequate condition); Priority 2: Address urban congestion; and Priority 3: Maximise the value of the road network. <p>In delivering on the steady state maintenance objective set out in SFILT, the Plan includes for:</p> <ul style="list-style-type: none"> Planned replacement programme for the bus fleet operated under Public Service Obligation ("PSO") contracts; Tram refurbishment and asset renewal in the case of light rail; and To the extent within the Authority' remit, support for the operation of the existing rail network within the GDA. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
Delivering a Sustainable Energy Future for Ireland – The Energy Policy Framework 2007 – 2020 (2007)	<ul style="list-style-type: none"> White paper setting out a framework for delivering a sustainable energy future in Ireland. Outlines strategic Goals for: <ul style="list-style-type: none"> Security of Supply Sustainability of Energy Competitiveness of Energy Supply 	<p>The underpinning Strategic Goals are:</p> <ul style="list-style-type: none"> Ensuring that electricity supply consistently meets demand Ensuring the physical security and reliability of gas supplies to Ireland Enhancing the diversity of fuels used for power generation Delivering electricity and gas to homes and businesses over efficient, reliable and secure networks Creating a stable attractive environment for hydrocarbon exploration and production Being prepared for energy supply disruptions 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
National Adaptation Framework (NAF) 2018 and associated	<ul style="list-style-type: none"> NAF specifies the national strategy for the application of adaptation measures in different sectors and by local authorities in their administrative areas in order to reduce the 	<ul style="list-style-type: none"> Adaptation under this Framework should seek to minimise costs and maximise the opportunities arising from climate change. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in</p>

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regional, local and sectoral adaptation plans	vulnerability of the State to the negative effects of climate change and to avail of any positive effects that may occur	<ul style="list-style-type: none"> Adaptation actions range from building adaptive capacity (e.g. increasing awareness, sharing information and targeted training) through to policy and finance-based actions. Adaptation actions must be risk based, informed by existing vulnerabilities of our society and systems and an understanding of projected climate change. Adaptation actions taken to increase climate resilience must also consider impacts on other sectors and levels of governance 	combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Renewable Energy Action Plan (2010)	<ul style="list-style-type: none"> Sets out the Member State's national targets for the share of energy from renewable sources to be consumed in transport, electricity and heating and cooling in 2020, and demonstrates how the Member State will meet its overall national target established under the Directive. 	Including Ireland's 16% target of gross final consumption to come from renewables by 2020.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Energy Efficiency Action Plan for Ireland (2009 – 2020)	<ul style="list-style-type: none"> This is the second National Energy Efficiency Action Plan for Ireland. 	<ul style="list-style-type: none"> The Plan reviews the original 90 actions outlined in the first Plan and updates/renews/removes them as appropriate. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Wildlife Act of 1976 Wildlife (Amendment) Act, 2000	<ul style="list-style-type: none"> The act provides protection and conservation of wild flora and fauna. 	<ul style="list-style-type: none"> Provides protection for certain species, their habitats and important ecosystems Give statutory protection to NHAs Enhances wildlife species and their habitats Includes more species for protection 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Actions for Biodiversity (2017-2021) Ireland's National Biodiversity Plan	<ul style="list-style-type: none"> Sets out strategic objectives, targets and actions to conserve and restore Ireland's biodiversity and to prevent and reduce the loss of biodiversity in Ireland and globally. 	<ul style="list-style-type: none"> To mainstream biodiversity in the decision-making process across all sectors. To substantially strengthen the knowledge base for conservation, management and sustainable use of biodiversity. To increase awareness and appreciation of biodiversity and ecosystems services. To conserve and restore biodiversity and ecosystem services in the wider countryside. To conserve and restore biodiversity and ecosystem services in the marine environment. To expand and improve on the management of protected areas and legally protected species. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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National Broadband Plan (2012)	<ul style="list-style-type: none"> Sets out the strategy to deliver high speed broadband throughout Ireland. 	<ul style="list-style-type: none"> To substantially strengthen the effectiveness of international governance for biodiversity and ecosystem services. <p>The Plan sets out:</p> <ul style="list-style-type: none"> A clear statement of Government policy on the delivery of High-Speed Broadband. Specific targets for the delivery and rollout of high-speed broadband and the speeds to be delivered. The strategy and interventions that will underpin the successful implementation of these targets. A series of specific complementary measures to promote implementation of Government policy in this area. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>European Communities (Water Policy) Regulations of 2003 (SI 722 of 2003)</p> <p>European Communities (Water Policy) Regulations of 2003 (SI 350 of 2014)</p> <p>European Communities Environmental Objectives (Surface waters) Regulations of 2009 (SI 272 of 2009)</p>	<ul style="list-style-type: none"> Transpose the Water Framework Directive into legislation. Outlines the general duty of public authorities in relation to water. Identifies the competent authorities in charge of water policy (amended to Irish Water in 2013) and gives EPA and the CER the authority to regulate and supervise their actions. 	<ul style="list-style-type: none"> Implements River basin districts and characterisation of RBDs and River Basin Management Plans. Requires the public to be informed and consulted on the Plan and for progress reports to be published on RBDs. Implements a Register of protected areas, Classification systems and Monitoring programmes for water bodies. Allows the competent authority to recover the cost of damage/destruction of status of water body. Outlines environmental objectives and programme of measures and environmental quality standards for priority substances. Outlines criteria for assessment of groundwater. Outlines environmental objectives to be achieved for surface water bodies. Outlines surface water quality standards. Establishes threshold values for the classification and protection of surface waters against pollution and deterioration in quality. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>European Communities Environmental Objectives (Groundwater) Regulations of 2010 (SI 9 of 2010)</p>	<ul style="list-style-type: none"> Transpose the requirements of the Groundwater Directive 2006/118/EC into Irish Legislation. 	<ul style="list-style-type: none"> Outlines environmental objectives to be achieved for groundwater bodies of groundwater against pollution and deterioration in quality. Sets groundwater quality standards. Outlines threshold values for the classification and protection of groundwater. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Water Pollution Acts 1977 to 1990</p>	<ul style="list-style-type: none"> The Water Pollution Acts allow Local Authorities the authority regulate and supervise actions relating to water in their division. 	<p>The Water Pollution Acts enable local authorities to:</p> <ul style="list-style-type: none"> Prosecute for water pollution offences. Attach appropriate pollution control conditions in the licensing of effluent discharges from industry, etc., made to waters. Issue notices ("section 12 notices") to farmers, etc., specifying measures to be taken within a prescribed period to prevent water pollution. issue notices requiring a person to cease the pollution of waters and requiring the mitigation or remedying of any effects of the pollution in the manner and within the period specified in such notices; Seek court orders, including High Court injunctions, to prevent, terminate, mitigate or remedy pollution/its effects. Prepare water quality management plans for any waters in or adjoining their functional areas. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

Appropriate Assessment for the Dundrum Local Area Plan 2023 for adoption

Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
<p>Water Services Act 2007</p> <p>Water Services (Amendment) Act 2012</p> <p>Water Services Act (No. 2) 2013</p>	<ul style="list-style-type: none"> Provides the water services infrastructure. Outlines the responsibilities involved in delivering and managing water services. Identifies the authority in charge of provision of water and waste water supply. Irish Water was given the responsibility of the provision of water and waste water services in the amendment act during 2013, therefore these services are no longer the responsibility of the 34 Local Authorities in Ireland. 	<p>Key strategic objectives include:</p> <ul style="list-style-type: none"> Ensuring Irish Water delivers infrastructural projects that meet key public health, environmental and economic objectives in the water services sector. Ensuring the provision of adequate water and sewerage services in the gateways and hubs listed in the National Spatial Strategy, and in other locations where services need to be enhanced. Ensuring good quality drinking water is available to all consumers of public and group water supplies, in compliance with national and EU drinking water standards Ensuring the provision of the remaining infrastructure needed to provide secondary waste water treatment, for compliance with the requirements of the EU Urban Waste water Treatment Directive. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Irish Water's Water Services Strategic Plan 2015 and associated Proposed Capital Investment Plan (2014-2016)</p>	<ul style="list-style-type: none"> This Water Services Strategic Plan sets out strategic objectives for the delivery of water services over the next 25 years up to 2040. It details current and future challenges which affect the provision of water services and identifies the priorities to be tackled in the short and medium term. 	<p>Six strategic objectives as follows:</p> <ul style="list-style-type: none"> Meet Customer Expectations. Ensure a Safe and Reliable Water Supply. Provide Effective Management of Waste water. Protect and Enhance the Environment. Support Social and Economic Growth. Invest in the Future. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Raised Bog SAC Management Plan and Review of Raised Bog Natural Heritage Areas</p>	<ul style="list-style-type: none"> Aims to meet nature conservation obligations while having regard to national and local economic, social and cultural needs 	<ul style="list-style-type: none"> Ensure that the implications of management choices for water levels, quantity and quality are fully explored, understood and factored into policy making and land use planning. Review the current raised bog NHA network in terms of its contribution to the national conservation objective for raised bog habitats and determine the most suitable sites to replace the losses of active raised bog habitat and high bog areas within the SAC network and to enhance the national network of NHAs. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Agri-Food Strategy 2030</p>	<p>This 10-year Strategy sets out four high-level "Missions" to be achieved in order to develop such a system in Ireland:</p> <ol style="list-style-type: none"> A Climate Smart, Environmentally Sustainable Agri-Food Sector Viable and Resilient Primary Producers with Enhanced Wellbeing Food that is Safe, Nutritious and Appealing, Trusted and Valued at Home and Abroad An Innovative, Competitive and Resilient Sector, driven by Technology and Talent 	<p>Each of the Missions has a set of Goals which are underpinned by a series of Actions.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Agri-vision 2015 Action Plan</p>	<p>Outlines the vision for agricultural industry to improve competitiveness and response to market demand while respecting and enhancing the environment</p>	<p>not applicable</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in</p>

Legislation, Plan, etc.	Summary of high-level aim/ purpose/ objective	Summary of lower level objectives, actions etc.	Relevance to the Plan
<p>Rural Environmental Protection Scheme (REPS)</p> <p>Agri-Environmental Options Scheme (AEOS)</p> <p>Green, Low-Carbon, Agri-environment Scheme (GLAS)</p>	<ul style="list-style-type: none"> • Agri-environmental funding schemes aimed at rural development for the environmental enhancement and protection. • GLAS is the new replacement for REPS and AEOS which are both expiring. 	<ul style="list-style-type: none"> • Establish best practice farming methods and production methods in order to protect landscapes and maximise conservation. • Protect biodiversity, endangered species of flora and fauna and wildlife habitats. • Ensure food is produced with the highest regard to the environment. • Implement nutrient management plans and grassland management plans. • Protect and maintain water bodies, wetlands and cultural heritage. 	<p>combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p> <p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Rural Development Programme</p>	<ul style="list-style-type: none"> • The National Rural Development Programme, prepared by the Department of Agriculture, Fisheries and Food, sets out a national programme based on the EU framework for rural development and prioritises improving the competitiveness of agriculture, improving the environment and improving the quality of life in rural areas 	<p>At a more detailed level, the programme also:</p> <ul style="list-style-type: none"> • Supports structural change at farm level including training young farmers and encouraging early retirement, support for restructuring, development and innovation; • Aims to improve the environment, biodiversity and the amenity value of the countryside by support for land management through funds such as Natura 2000 payments etc.; and • Aims to improve quality of life in rural areas and encouraging diversification of economic activity through the implementation of local development strategies such as non-agricultural activities 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Forestry Programme (2014-2020)</p>	<p>Represents Ireland’s proposals for 100% State aid funding for a new Forestry Programme for the period 2014 – 2020.</p>	<p>Measures include the following:</p> <ul style="list-style-type: none"> • Afforestation and Creation of Woodland • NeighbourWood Scheme • Forest Roads • Reconstitution Scheme • Woodland Improvement Scheme • Native Woodland Conservation Scheme • Knowledge Transfer and Information Actions • Producer Groups • Innovative Forest Technology • Forest Genetic Reproductive Material • Forest Management Plans 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>River Basin Management Plan for Ireland 2022-2027 3rd Cycle [in preparation]</p>	<p>This draft River Basin Management Plan sets out the measures that are necessary to protect and restore water quality in Ireland. The overall aim of the plan is to ensure that our natural waters are sustainably managed and that freshwater resources are protected so as to maintain and improve Ireland’s water environment.</p>	<p>The River Basin Management Plan sets out the measures necessary to protect and improve the quality of Ireland’s waters. These plans are prepared in 6-year cycles, during which a programme of measures must be implemented so as to achieve water quality objectives. Good water quality contributes to protecting human health by improving the quality of drinking water sources and bathing waters.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Peatlands Strategy (2015-2025)</p>	<p>This Strategy aims to provide a long-term framework within which all of the peatlands within the State can be managed responsibly in order to optimise their social, environmental and economic contribution to the well-being of this and future generations.</p>	<p>Objectives of the Strategy:</p> <ul style="list-style-type: none"> • To give direction to Ireland’s approach to peatland management. • To apply to all peatlands, including peat soils. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise.</p>

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		<ul style="list-style-type: none"> To ensure that the relevant State authorities and state-owned companies that influence such decisions contribute to meeting cross-cutting objectives and obligations in their policies and actions. To ensure that Ireland's peatlands are sustainably managed so that their benefits can be enjoyed responsibly. To inform appropriate regulatory systems to facilitate good decision making in support of responsible use. To inform the provision of appropriate incentives, financial supports and disincentives where required. 	<p>Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Flood Risk Management Plans arising from National Catchment Flood Risk Assessment and Management Programme</p>	<ul style="list-style-type: none"> The national Catchment Flood Risk Assessment and Management (CFRAM) programme commenced in Ireland in 2011 and is being overseen by the Office of Public Works. The CFRAM Programme is intended to deliver on core components of the National Flood Policy, adopted in 2004, and on the requirements of the EU Floods Directive. 	<p>CFRAM Studies have been undertaken for all River Basin Districts. The studies are focusing on areas known to have experienced flooding in the past and areas that may be subject to flooding in the future either due to development pressures or climate change. Flood Risk and Hazard mapping, including Flood Extent Mapping, was finalised in 2017. The final outputs from the studies are the CFRAM Plans, finalised in 2018. The Plans define the current and future flood risk in the River Basin Districts and set out how this risk can be managed.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Draft National Bioenergy Plan 2014 - 2020</p>	<p>The Draft Bioenergy Plan sets out a vision as follows:</p> <ul style="list-style-type: none"> Bioenergy resources contributing to economic development and sustainable growth, generating jobs for citizens, supported by coherent policy, planning and regulation, and managed in an integrated manner. 	<p>Three high level goals, of equal importance, based on the concept of sustainable development are identified:</p> <ul style="list-style-type: none"> To harness the market opportunities presented by bioenergy in order to achieve economic development, growth and jobs. To increase awareness of the value, opportunities and societal benefits of developing bioenergy. To ensure that bioenergy developments do not adversely impact the environment and its living and non-living resources. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Draft Renewable Electricity Policy and Development Framework (DCCAE) 2016</p>	<p>Goal: To optimise the opportunities in Ireland for renewable electricity development on land at significant scale, to serve both the All Island Single Electricity Market and any future regional market within the European Union, in accordance with European and Irish law, including Directive 2009/28/EC: On the promotion of the use of energy from renewable resources.</p>	<p>Objective: To develop a Policy and Development Framework for renewable electricity generation on land to serve both the All Island Single Electricity Market and any future regional market within the European Union, with particular focus on large scale projects for indigenous renewable electricity generation. This will, inter alia, provide guidance for planning authorities and An Bord Pleanála.</p>	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>National Alternative Fuels Infrastructure for the Transport Sector (DTTAS) 2017- 2030</p>	<p>This Framework sets targets to achieve an appropriate level of alternative fuels infrastructure for transport, which is relative to national policy and Irish market needs. Non-infrastructure-based incentives to support the use of the infrastructure and the uptake of alternative fuels are also included within the scope of the Framework.</p>	<p>Targets for alternative fuel infrastructure include the following:</p> <ul style="list-style-type: none"> AFV forecasts Electricity targets Natural gas (CNG, LNG) targets Hydrogen targets Biofuels targets LPG targets Synthetic and paraffinic fuels targets 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>

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Food Wise 2025 (DAFM)	Food Wise 2025 sets out a ten-year plan for the agri-food sector. It underlines the sector's unique and special position within the Irish economy, and it illustrates the potential which exists for this sector to grow even further.	Food Wise 2025 identifies ambitious and challenging growth projections for the industry over the next ten years including: <ul style="list-style-type: none"> • 85% increase in exports to €19 billion. • 70% increase in value added to €13 billion. • 60% increase in primary production to €10 billion. • The creation of 23,000 additional jobs all along the supply chain from producer level to high-end value-added product development. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Cycle Network Scoping Study 2010	<ul style="list-style-type: none"> • Outlines objectives and actions aimed at developing a strong cycle network in Ireland • Sets out 19 specific objectives, and details the 109 actions, aimed at ensuring that a cycling culture is developed 	<ul style="list-style-type: none"> • Sets a target where 10% of all journeys will be made by bike by 2020 • Proposes the planning, infrastructure, communication, education and stakeholder participations measures required to implement the initiative 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Policy Framework for Alternative Fuels Infrastructure for Transport in Ireland 2017 to 2030	<ul style="list-style-type: none"> • This National Policy Framework on Alternative Fuels Infrastructure for Transport represents the first step in communicating our longer-term national vision for decarbonising transport by 2050, the cornerstone of which is our ambition that by 2030 all new cars and vans sold in Ireland will be zero-emissions capable. • By 2030 it is envisaged that the movement in Ireland to electrically-fuelled cars and commuter rail will be well underway, with natural gas and biofuels developing as major alternatives in the freight and bus sectors. 	<p>This policy set out to achieve five key goals in transport:</p> <ul style="list-style-type: none"> • Reduce overall travel demand • Maximise the efficiency of the transport network • Reduce reliance on fossil fuels • Reduce transport emissions • Improve accessibility to transport <p>These goals remain the cornerstone of transport policy and are fully aligned to the objectives of this National Policy Framework.</p>	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Tourism Action Plan 2019-2021	The Tourism Action Plan 2019-2021 sets out actions that the Tourism Leadership Group has identified as priorities to be progressed until 2021 in order to maintain sustainable growth in overseas tourism revenue and employment. Each action involves specific tourism stakeholders, both in the public and private sectors, all of whom we expect to proactively work towards the completion of actions within the specified timeframe.	<p>The Plan contains 27 actions focusing on the following areas:</p> <ul style="list-style-type: none"> • Policy Context • Marketing Ireland as a Visitor Destination • Enhancing the Visitor Experience • Research in the Irish Tourism Sector • Supporting Local Communities in Tourism • Wider Government Policy • International Context • Co-ordination Structures 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Tourism Policy Statement: People, Place and Policy – Growing Tourism to 2025	The main goal of this policy statement is to have a vibrant, attractive tourism sector that makes a significant contribution to employment across the country; is economically, socially and environmentally sustainable; helps promote a positive image of Ireland overseas, and is a sector in which people want to work.	<p>The Tourism Policy Statement sets three headline targets to be achieved by 2025:</p> <ul style="list-style-type: none"> • Overseas tourism revenue of €5 billion per year • net of inflation excluding carrier receipts; • 250,000 people employed in tourism; and • 10 million overseas visitors to Ireland per year. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and

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Draft Renewable Electricity Policy and Development Framework (DCCAE)	Goal: To optimise the opportunities in Ireland for renewable electricity development on land at significant scale, to serve both the All Island Single Electricity Market and any future regional market within the European Union, in accordance with European and Irish law, including Directive 2009/28/EC: On the promotion of the use of energy from renewable resources.	Objective: To develop a Policy and Development Framework for renewable electricity generation on land to serve both the All Island Single Electricity Market and any future regional market within the European Union, with particular focus on large scale projects for indigenous renewable electricity generation. This will, inter alia, provide guidance for planning authorities and An Bord Pleanála. Methodology: Development of the Policy and Development Framework is to be informed by the carrying out of an SEA, including widespread consultation with stakeholders and public, and with AA under the Habitats Directive.	their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management. Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
National Alternative Fuels Infrastructure for the Transport Sector (DTTAS) 2017- 2030	This Framework sets targets to achieve an appropriate level of alternative fuels infrastructure for transport, which is relative to national policy and Irish market needs. Non-infrastructure-based incentives to support the use of the infrastructure and the uptake of alternative fuels are also included within the scope of the Framework.	Targets for alternative fuel infrastructure include the following: <ul style="list-style-type: none"> • AFV forecasts • Electricity targets • Natural gas (CNG, LNG) targets • Hydrogen targets • Biofuels targets • LPG targets Synthetic and paraffinic fuels targets	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
All Ireland Pollinator Plan 2021-2025	The All-Ireland Pollinator Plan is an island-wide attempt to reverse declines in pollinating insects to ensure the sustainability of our food, avoid additional economic impacts on agriculture, and protect the health of the environment. The main objectives include: <ul style="list-style-type: none"> • Making farmland, public land and private land in Ireland pollinator friendly; • Raising awareness of pollinators and how to protect them; • Managed pollinators – supporting beekeepers and growers; • Expanding our knowledge of pollinators and pollination service; and • Collecting evidence to track change and measure success. 	This voluntary Plan identified 81 actions, shared out between over 100 governmental and non-governmental organisations. A large focus of the Plan is to identify actions to improve the quality and amount of flower-rich habitat. Actions range from creating pollinator highways along our transport routes, to supporting pollinators on farmland, in gardens, businesses, and on public land.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Regional/ County/Local Level			
Eastern and Midland Regional Economic and Spatial Strategy 2019-2031	The Regional Spatial and Economic Strategy provides a long-term strategic planning and economic framework for the Northern and Western Region in order to support the implementation of the National Planning Framework.	The Eastern and Midland Regional Economic and Spatial Strategy includes provisions for its 12 constituent local authorities: Fingal County Council; Dublin City Council; South Dublin County Council; Dún Laoghaire-Rathdown County Council; Louth County Council; Kildare County Council; Meath County Council; Wicklow County Council; Longford County Council; Laois County Council; Offaly County Council; and Westmeath County Council.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

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Integrated Implementation Plan 2019-2024	The Transport Strategy for the Greater Dublin Area 2016-2035, which established an overall framework for transport investment over the next two decades and was subject to full SEA and Stage 2 AA, is a key policy shaping the six-year Integrated Infrastructure Plan. The priorities in the Integrated Infrastructure Plan align with the objectives and priorities set out in the Transport Strategy, focused on improving public and sustainable transport.	The Implementation Plan identifies investment proposals for a number of areas including: <ul style="list-style-type: none"> • Bus; • Light Rail; • Heavy Rai; • Integration Measures and Sustainable Transport Investment; • Integrated Service Plan; and • Integration and Accessibility. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Greater Dublin Area (GDA) Transport Strategy (2022-2042)	<ul style="list-style-type: none"> • This Strategy sets out how transport will be developed across the Greater Dublin Area, covering Dublin, Meath, Wicklow and Kildare. • Vision Statement: “The GDA by 2022 is an economically vibrant, active and sustainable international Gateway Region, with strong connectivity across the GDA Region, nationally and worldwide; a region which fosters communities living in attractive, accessible places well supported by community infrastructure and enjoying high quality leisure facilities; and promotes and protects across the GDA green corridors, active agricultural lands and protected natural areas.” 	Core principles deriving from the strategic vision: <ul style="list-style-type: none"> • Dublin as the capital city of Ireland and a major European centre shall grow and progress, competing with other cities in the EU, and serving a wide range of international, national, regional and local needs. • The Dublin and Mid-East Regions will be attractive, vibrant locations for industry, commerce, recreation and tourism and will be a major focus for economic growth within the Country. • The GDA, through its ports and airport connections will continue to be the most important entry/exit point for the country as a whole, and as a Gateway between the European Union and the rest of the World. Access to and through the GDA will continue to be a matter of national importance. • Development in the GDA shall be directly related to investment in integrated high-quality public transport services and focused on compact urban form. • Development within the existing urban footprint of the Metropolitan Area will be consolidated to achieve a more compact urban form • Development in the Hinterland Area will be focused on the high-quality integrated growth and consolidation of development in key identified towns, separated from each other by extensive areas of strategic green belt land devoted to agriculture and similar uses 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Greater Dublin Area Cycle Network Plan	<ul style="list-style-type: none"> • Ensure that the quality of waters covered by the plan is maintained. • Maintain and improve the quantity and quality of water included in the Plan scope. 	Aims to identify and determine: <ul style="list-style-type: none"> • The Urban Cycle Network at the Primary, Secondary and Feeder level. • The Inter-Urban Cycle Network linking the relevant sections of the Urban Network including the elements of the National Cycle Network within the Greater Dublin Area including linkages to key transport locations outside of urban areas such as airports and ports. • The Green Route Network being cycle routes for development of tourist, recreational and leisure purposes. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
NPWS Conservation Plans and/or Conservation Objectives for SACs and SPAs	Management planning for nature conservation sites has a number of aims. These include: <ul style="list-style-type: none"> • To identify and evaluate the features of interest for a site • To set clear objectives for the conservation of the features of interest • To describe the site and its management • To identify issues (both positive and negative) that might influence the site • To set out appropriate strategies/management actions to achieve the objectives 	<ul style="list-style-type: none"> • Conservation objectives for SACs and SPAs (i.e. sites within the Natura 2000 network) have to be set for the habitats and species for which the sites are selected. • These objectives are used when carrying out appropriate assessments for plans and projects that might impact on these sites. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.

Appropriate Assessment for the Dundrum Local Area Plan 2023 for adoption

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<p>Groundwater Protection Schemes</p>	<ul style="list-style-type: none"> A Groundwater Protection Scheme provides guidelines for the planning and licensing authorities in carrying out their functions, and a framework to assist in decision-making on the location, nature and control of developments and activities in order to protect groundwater. 	<ul style="list-style-type: none"> A Groundwater Protection Scheme aims to maintain the quantity and quality of groundwater, and in some cases improve it, by applying a risk assessment-based approach to groundwater protection and sustainable development. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Local Economic and Community Plans (LECPs), including the Dún Laoghaire-Rathdown LECP 2023-2028</p>	<p>The overarching vision for each LECP is: “to promote the well-being and quality of life of citizens and communities</p>	<ul style="list-style-type: none"> The purpose of the LECP, as provided for in the Local Government Reform Act 2014, is to set out, for a six-year period, the objectives and actions needed to promote and support the economic development and the local and community development of the relevant local authority area, both by itself directly and in partnership with other economic and community development stakeholders. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Land Use Plans in force within Dún Laoghaire-Rathdown and in other adjoining planning authorities. This includes Development Plans, Local Area Plans and Planning Schemes</p>	<ul style="list-style-type: none"> Outline planning objectives for land use development. Strategic framework for planning and sustainable development including those set out in National Planning Framework and Regional Economic and Spatial Strategies. Set out the policies and proposals to guide development in the specific Local Authority area. 	<ul style="list-style-type: none"> Identify future infrastructure, development and zoning required. Protect and enhances amenities and environment. Guide planning authority in assessing proposals. Aim to guide development in the area and the amount of nature of the planned development. Aim to promote sustainable development. Provide for economic development and protect natural environmental, heritage. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>Dún Laoghaire-Rathdown County Biodiversity Action Plan 2021-2025</p>	<p>Aims to protect, conserve, enhance and restore heritage, biodiversity and ecosystem services across all spectrums.</p>	<p>Plan’s objectives include:</p> <ul style="list-style-type: none"> gathering information on the biodiversity resource managing the resource education and awareness cooperation to achieve objectives 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.</p>
<p>County Dún Laoghaire-Rathdown Character Assessment and Landscape Character Assessments in adjoining local authorities</p>	<p>Characterises the geographical dimension of the landscape.</p>	<ul style="list-style-type: none"> Identifies the quality, value, sensitivity and capacity of the landscape area. Guides strategies and guidelines for the future development of the landscape. 	<p>Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and</p>

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Dún Laoghaire-Rathdown Tree Strategy 2011-2015	It aims to standardise and guide the Council's approach to trees throughout the county, provide clarity to actions and decisions, and encourage the balanced consideration of individual expectations, public amenity and best practice.	The tree strategy has four overall aims, each with a series of objectives. Specific actions and timescales will be developed on a cyclical basis so that progress can be measured: <ul style="list-style-type: none"> • Protect and Care for our trees • Plant more trees, in the right place • Promote education and awareness of trees • Cooperate and engage 	their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management. Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Dún Laoghaire-Rathdown County Heritage Plan 2021-2025	The Plan's overarching aim is 'Contributing towards quality of life'.	The Plan details a number of actions and initiatives aimed at ensuring that heritage continues to make a significant contribution to quality of life and remains an important part of the social and cultural infrastructure of the County.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Dublin Agglomeration Environmental Noise Action Plan 2018-2023	Noise Action Plans are prepared in accordance with the requirements of the Environmental Noise Regulations 2006, Statutory Instrument 140 of 2006. These Regulations give effect to the EU Directive 2002/49/EC relating to the assessment and management of environmental noise. This Directive sets out a process for managing environmental noise in a consistent manner across the EU and the Noise Regulations set out the approach to meeting the requirements of the Directive in Ireland.	The main purpose of Noise Action Plans is to: Inform and consult the public about noise exposure, its effects and the measures which may be considered to address noise problems Address strategic noise issues by requiring competent authorities to draw up action plans to manage noise issues and their effects Reduce noise, where possible, and maintain the environmental acoustic quality where it is good	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Dún Laoghaire-Rathdown County Council's Climate Change Action Plan 2019-2024	Respond to the impact that climate change is having, and will continue to have. Attempt to climate change adaptation and mitigation.	The Dún Laoghaire-Rathdown County Council Climate Change Action Plan 2019-2024 features a range of actions across sectors including: Energy and Buildings; Flood Relief and Resilience; Transport; Resource Management; Coastal Protection and nature-based solutions; and Communities. The four main targets of the Plan are: <ul style="list-style-type: none"> • Make Dublin a climate-resilient region by reducing the impacts of future climate change-related events; • Actively engage and inform our citizens on climate change; • 33% improvement in the Council's energy efficiency by 2020; and • 40% reduction in the Council's greenhouse gas emissions by 2030. 	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Dublin Regional Energy Masterplan (DREM)	To examine pathways available to the four Dublin Authorities to achieve carbon emission reduction targets to 2030 and 2050.	The masterplan addresses all energy sectors of electricity, heat and transport. Two baseline scenarios were established; the current situation and the future 'business-as-usual' situation, which models the effects of current national level policy implementation to 2030 and 2050.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply

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Dún Laoghaire-Rathdown Tourism Strategy and Marketing Plan 2017-2022	The Vision for Dún Laoghaire-Rathdown as a tourism destination is: "A highly attractive and accessible tourism destination, steeped in culture and maritime heritage, combining a breath-taking coast, inviting villages and towns, and Dublin Mountains adventures, delivering memorable and distinct experiences for visitors."	The Strategy is underpinned by five strategic objectives each supported by a number of proposals to enable each of the objectives to be realised.	with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management. Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Eastern and Midlands Regional Waste Management Plan 2015-2021	These plans give effect to national and EU waste policy, and address waste prevention and management (including generation, collection and treatment) over the period 2015-2021.	To manage wastes in a safe and compliant manner, a clear strategy, policies and actions are required.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Fáilte Ireland Tourism plans, strategies, including those relating to the Wild Atlantic Way, Regional Tourism Development Strategies and Destination Experience Development Plans	Fáilte Ireland's work includes preparing various plans and strategies for Ireland's Hidden Heartlands, the Wild Atlantic Way, Ireland's Ancient East and other brands and initiatives. These plans are subject to their own environmental assessment processes and any project arising is required to be consistent with and conform with the provisions of all adopted/approved Statutory Policies, Strategies, Plans and Programmes, including provisions for the protection and management of the environment.	Some of Fáilte Ireland's plans and strategies include various projects relating to land use and infrastructural development, including those relating to development of land or on land and the carrying out of land use activities. Many of these projects exist already while some are not currently in existence. The Statutory Policies, Strategies, Plans and Programmes that provide for different projects undergo a variety of environmental assessments. These assessments ensure that environmental effects are considered, including: those arising from new and intensified uses and activities; and those arising from various sectors such as tourism.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.
Various existing, planned and emerging projects provided for by the above plans and programmes	These projects have been provided for by higher-level plans and programmes.	These projects will contribute towards the development of the area to which the Plan relates and/or wider area and will contribute towards environmental protection and management.	Where new land use developments or activities occur as a result of this legislation, plan, programme, etc., individually or in combination with others, potential in-combination effects may arise. Implementation of the Plan needs to comply with all environmental legislation and align with and cumulatively contribute towards – in combination with other users and bodies and their plans etc. – the achievement of the objectives of the regulatory framework for environmental protection and management.