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GRID IMPLEMENTATION PLAN 2023-2028 FOR THE ELECTRICITY TRANSMISSION SYSTEM IN IRELAND

Natura Impact Statement

Prepared for:

EirGrid



Date: December 2023

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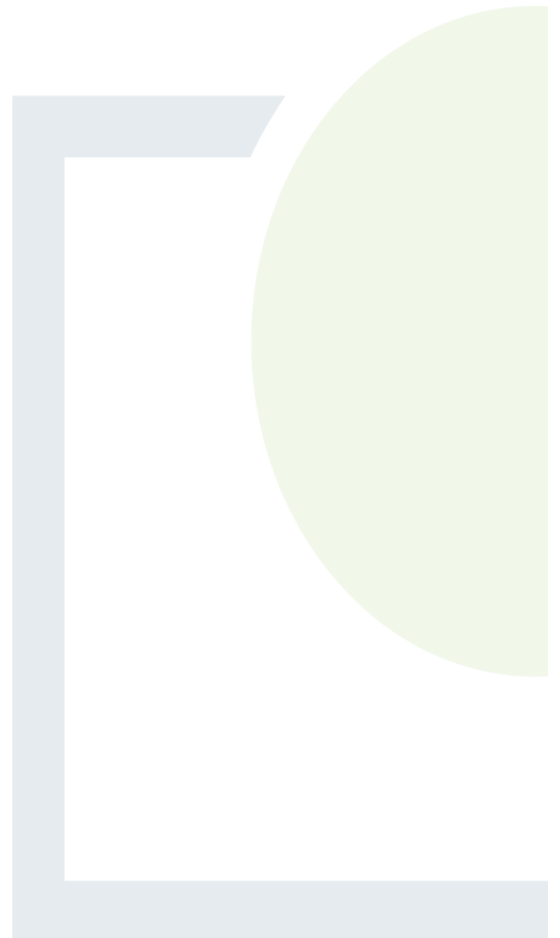


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1. INTRODUCTION

1.1 Background

This Natura Impact Statement (NIS) has been prepared in support of the Appropriate Assessment (AA) of the National Grid Implementation Plan 2023-2028 [the Grid IP] 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”).

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 which form the Natura 2000 Network.

The European Communities (Birds and Natural Habitats Regulations 2011 (S. I. No. 477 of 2011)) transpose the Habitats Directive and the Birds Directive (as amended). AA is required by the Habitats Directive which 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. These sites consist of SACs and SPAs and provide for the protection and long-term survival of Europe’s most valuable and threatened species and habitats. The specific provision of the regulations are (6) and (9):

(6) The public authority shall determine that an Appropriate Assessment of a plan or project is required where the plan or project is not directly connected with or necessary to the management of the site as a European Site and if it cannot be excluded, on the basis of objective scientific information following screening under this Regulation, that the plan or project, individually or in combination with other plans or projects, will have a significant effect on a European site.

(9) Where a public authority is required to conduct an Appropriate Assessment pursuant to paragraph (6) in relation to a plan or project that it proposes to undertake or adopt, it shall:

(a) prepare a Natura Impact Statement;

(b) compile any other evidence including, but not limited to, scientific evidence that is required for the purposes of the Appropriate Assessment; and

(c) submit a Natura Impact Statement together with evidence compiled under subparagraph (b) to the Minister not later than six weeks before it proposes to adopt or undertake the plan or project to which the Natura Impact Statement and evidence relates.

1.3 Approach

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 literature¹ was conducted. This included a detailed review of the National Parks and Wildlife (NPWS) website – having due regard to spatial data and maps available as well as reports for relevant sites and in particular the conservation objectives for each of the qualifying interests/special conservation interests es (including spatial data collected for the most recent Article 17 and Article 12 conservation status reporting cycle, 2019).

In addition to being informed by these reports, the NIS was also informed by EirGrids Grid IP and accompanying the SEA Environmental Report and EirGrids current Implementation Plan and associated SEA Environmental Report and AA Natura Impact Statement.

All of these data sources are likely to be useful for AAs that must be undertaken for lower-tier plans/projects under the Plan.

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

- Identification of European sites within all of Ireland and 15km of the Northern Ireland Border – as relevant to the Grid IP boundary with identification of potential pathways links for specific sites (if relevant) greater than 15km from the Grid IP boundary;
- Review of the NPWS site synopsis, conservation objectives and supporting material for European sites with identification of potential pathways from the Grid IP area; and
- Examination of available information on protected species, EPA and OSI data as well as the evidence based environmental studies (EBES) undertaken by EirGrid (See Appendix F of the SEA ER for summaries of each of these studies).

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

Stage One: Screening

The process that identifies the likely impacts upon a European site (s) 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(s) 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 there is no reasonable scientific doubt with regard to likely significant effects then the process must conclude that further considerations of alternatives are required beyond the NIS.

¹ 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.

The Habitats Directive aims to avoid and mitigate impacts to European sites. This approach aims to avoid any effects on European sites by identifying possible effects early in the plan-making process and avoiding such effects. Second, the approach involves the application of mitigation measures, if necessary, during the AA process to the point where no adverse effects on the site(s) remain. If potential effects 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-receptor model², 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 Grid IP 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 Grid IP.

The NIS 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;
- “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, 2002; and
- “Assessment of plans and projects in relation to Natura 2000 sites – Methodological guidance on the provisions of Article 6(3) and (4) of the Habitats Directive 92/43/EEC (2021/C 437/01); and
- Appropriate Assessment Screening for Development Management; OPR Practice Note PN01; Office of the Public Regulator, 2021.

The scope of the AA was informed by the submissions received on the scope of the accompanying Strategic Environmental Assessment³ (SEA) process being undertaken on the Grid IP, including a submission from the Department of Housing, Local Government and Heritage that provided various information and suggestions relevant to the AA.

² 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

³ Strategic Environmental Assessment (SEA) is the formal, systematic evaluation of the likely significant environmental effects of implementing a plan or programme before a decision is made to adopt it.

2. GRID IMPLEMENTATION PLAN 2023 - 2028

2.1 Overview

The scope of this Grid IP will have three defined aspects due to the development of the sector and evolving role of EirGrid nationally during the lifetime of the forthcoming Grid IP:

- Onshore development of the grid network;
- Offshore development of the grid network; and
- Temporary Emergency Generation development.

It is recognised that the likely environmental envelope of potential effects for each of the 3 aspects will be different given the spatial scope and nature of any associated developments. These three elements or aspects are expanded below where relevant - in the context of EirGrid 's role.

2.2 Context setting background to EirGrid 's Role and the Implementation Strategy

EirGrid is the national electricity Transmission System Operator (TSO). In its role as TSO in Ireland, EirGrid operates and maintains a safe, secure, reliable, economical and efficient transmission system. EirGrid develops key infrastructural projects - High Voltage (110, 220, 275, and 400 kV) - which are vital for the socio-economic development of the State, with due regard for the environment. The Electricity Supply Board (ESB), as the Transmission Asset Owner (TAO), is charged with constructing the transmission assets as specified by the TSO. ESB also has the role of Distribution System Operator (DSO).

Electricity supply is essential, and a reliable electricity network is the means by which we move electricity around the country. The transmission system is the backbone of the power system; efficiently delivering large amounts of power from where it is generated to where it is needed, safely and reliably. The development of transmission network infrastructure is therefore, of national strategic importance.

EirGrid previously published Shaping Our Electricity Future strategic document (Technical Document and Plain English summary are online⁴) the Grid IP 2023-2028 will be the fourth IP. Previous strategies included the GRID25 strategy and the Your Grid, Your Tomorrow: Ireland's Grid Development Strategy (2016).

The Transmission Development Plan (TDP) 2023-2031⁵ lists the committed projects and projects under development for the enhancement of the Irish transmission network over the coming ten years. Committed projects are those that have received EirGrid capital approval and are in Steps 4-6 of EirGrid 's six-step process for developing the grid and these projects are detailed in Chapter 5 of the TDP. The projects which are in the development stages are those which have not yet received capital approval and are in Steps 2-3 and these projects are detailed in Chapter 6 of the TDP. The TDP 2021-2030 succeeds the TDP 2020-2029. The plan has been prepared in accordance with EirGrid 's' statutory and license obligations. Additional projects will be included in future TDPs as the needs identified in the Tomorrow's Energy Scenarios System Needs Assessment and candidate reinforcements presented in Shaping Our Electricity Future are brought through EirGrid 's six-step process for developing the grid. Inherent in this

⁴ <https://www.eirgridgroup.com/the-grid/shaping-our-electricity-f/>

⁵ crue-live-96ca64acab2247eca8a850a7e54b-5b34f62.divio-media.com/documents/CRU202321_TDP_2023_-_2032.pdf

is the government target to achieve at least 70% and up to 80% electricity from renewable energy sources (RES-E) by 2030.

EirGrid also has a Network Development Portfolio (NDP)⁶, which is a quarterly progress update on all the system reinforcement, generator and demand and customer connection projects that are currently under development. This therefore provides (summary) updates between TDP issues. Furthermore, EirGrid Plc and SONI Ltd - the electricity system operators for Ireland and Northern Ireland, are publishing the inaugural 'Shaping Our Electricity Future Report 2030' in support of decarbonisation policies set by the Government of Ireland and the Government of the United Kingdom. A minimum 70% RES-E target has become a legal obligation as part of Ireland's National Energy and Climate Plan (NECP) 2021-2030, which is Ireland's contribution to the European Union's Clean Energy Package. While energy policy is yet to be set in Northern Ireland, EirGrid are encouraged by the Economy Minister's aspiration of no less than 70% electricity from renewable sources by 2030. SONI continues to support the Minister and officials in their policy development and EirGrid anticipate this document, and subsequent consultations, will provide further input to this process. EirGrid and SONI seek to provide electricity, at the most economic price possible – today, tomorrow and for decades to come. EirGrid want to provide a cleaner, more efficient, reliable, and secure electricity supply for consumers on the island by 2030. This commitment is at the heart of this project; this document informs the consultation to assist in setting out the roadmap to achieving this important ambition.

The planning areas within Ireland are divided into Nomenclature of Territorial Units for Statistics (NUTS) which have 3 levels; NUTS 1 is the Republic of Ireland boundary, NUTS 2 are the regional boundary areas (Figure 2-1) and NUTS 3 which are divided into 8 zones (Figure 2-2).

The Grid network is a meshed system of 400 kV, 275 kV, 220 kV and 110 kV transmission lines and cables and associated substations (Figure 2-3 & Figure 2-4). Over the lifetime of the previous IP 2017-2022 there have been a number of grid developments to the existing grid network these are further explained in the Grid IP, which should be read in conjunction with this report to contextualise the assessment.

⁶ <https://www.eirgridgroup.com/customer-and-industry/general-customer-information/network-delivery-portfolio/>



Figure 2-1: NUTS 2 Planning Areas



Figure 2-2: NUTS 3 Planning Areas



Figure 2-3: International HV Electrical infrastructure showing the interconnectors (Source: EirGrid)

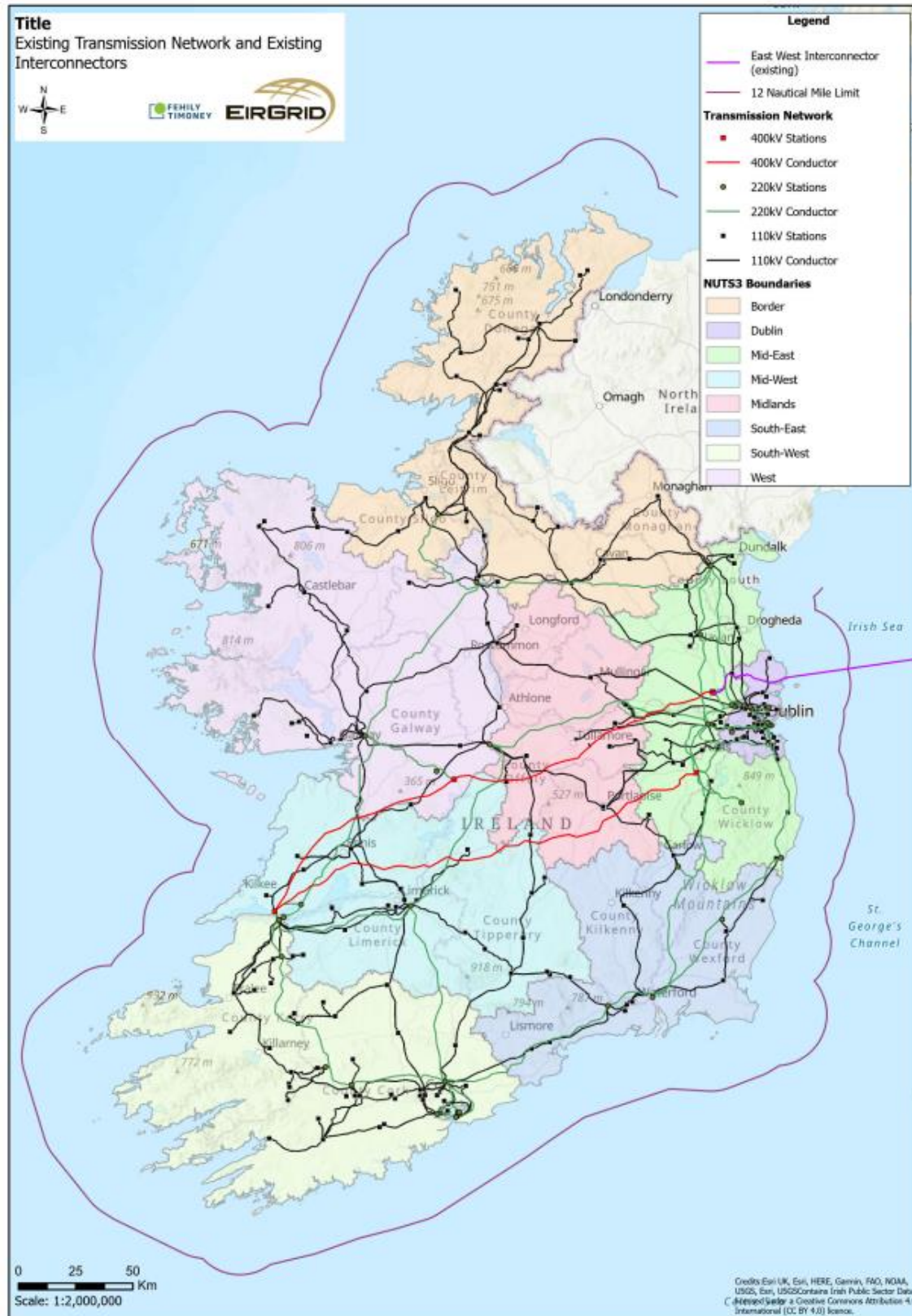


Figure 2-4: The National Transmission System at a national scale showing the existing network (Source: EirGrid)

2.3 Changes to EirGrid 's Role (Offshore) with regard to the Implementation Strategy

In 2020, EirGrid⁷ was designated by the Irish Government as "the system operator and asset owner of Ireland's offshore electricity transmission system, with ownership resting with EirGrid at all stages of the phased transition, regardless of whether the grid has been developed by individual renewable energy projects or EirGrid. Transmission system assets to be owned by EirGrid will include the high voltage transmission circuits and associated onshore and offshore transmission infrastructure connecting offshore generation sites to the existing onshore transmission system, as well as any necessary offshore reinforcements to accommodate electricity flows".

2.4 Purpose and Scope of the GRID Implementation Plan 2023-2028

2.4.1 Need for the Plan

The Grid IP identifies the best current understanding of those parts of the transmission system that are envisaged as likely to be developed over the next five years and identifies the issues, policies and objectives that will be addressed in developing the Grid. In this way it establishes the parameters and criteria for the underlying processes by which subsequent decisions will be made. This is particularly relevant with respect to the demand for offshore energy developments and emergency power generation.

The development of the Irish electricity sector is guided by several national and European Union (EU) policy and strategic objectives. These objectives guide investment in the Irish transmission network and are summarised as follows:

- Ensuring the security of electricity supply;
- Ensuring the competitiveness of the national economy; and
- Ensuring the long-term sustainability of electricity supply in the country.

In order to achieve the 2030 renewable ambition, EirGrid are developing a programme of work called Operational Pathways to 2030. The key objectives of the Operational Pathways to 2030 Programme are as follows:

- Increase the instantaneous amount of non-synchronous RES that can be accommodated on the Irish and Northern Irish power system in a safe and secure manner to 95%+ SNSP on an enduring basis;
- Identify the technical challenges that make the 95%+ System Non-Synchronous Penetration (SNSP) target challenging to achieve, and provide incentives for the industry to invest in developing new technologies to address these;
- Remove barriers to entry and enable the integration of new technologies at scale; and
- Develop and implement operational policies and tools in the control centres to ensure the new technologies are utilised effectively;
- Clarify the system technical needs, both now and projected for the future;
- Review the Grid Code and Distribution Code and bring forward modifications, as appropriate;

⁷ EirGrid. 2021. EirGrid Stepping up with New Off-Shore Role in Support of the Government's Climate Action Ambitions: Available at <https://www.eirgridgroup.com/newsroom/tao-for-offshore-assets/>

- Establish if the existing system services arrangements will provide the reliable performance required for a system operating with increased levels of RES;
- Design new services if needed, determine appropriate valuation of these services and develop new or revised payment structures that foster a continued focus on performance and where appropriate drive investment;
- Develop a new commercial framework for procurement of system services, taking effect 2023;
- Design and implement an auction system (assuming that the new system services procurement arrangements will be based on competitive auctions) and a settlement system in time for go live of the new arrangements;
- Publish the standards that service providers will need to adhere to and monitor the performance of service providers against these standards on an ongoing basis;
- Develop a framework for flexible network management that will seek to Incentivise the supply and demand sides to provide flexible network services and alleviate network congestion;
- Identify technical scarcities, system needs and operational needs, both now and projected for the future;
- Establish what new/enhanced operational systems and control center tools for power system operation with increased levels of variable non-synchronous RES, increased levels of demand and an evolved network;
- Design specifications for new control center systems and tools, if needed;
- Revise and develop new operational policies to assist in operating the power system with new system services provision capabilities, and the new operational systems and tools;
- Train our people on the new operational policies and tools that will be implemented during the programme;
- Reach agreement with the DSOs on the scope of works throughout this programme;
- Develop an implementation plan based on the agreed scope;
- Agree and implement a 2030 TSO-DSO operating model with the DSOs; and
- Foster a partnership between the TSOs and DSOs that ensures that the needs of both distribution and transmission systems, and ultimately the needs of consumers, are met.

Temporary Emergency Generation (TEG) has been scoped out of the Grid IP and supporting AA and SEA, as EirGrid is neither the developer or future asset owner of any TEG sites, with EirGrids role limited to procurement⁸. EirGrid have identified a potential generation gap of 700MW for the winter of 23/24, in the absence of any mitigation measures being implemented. The Security of Supply Programme of actions contains a number of both demand and supply-side mitigation measures that are anticipated to address this gap. To address the challenge, the CRU, incorporating the recommendations of EirGrid and in conjunction with the Department of Environment, Climate and Communications (DECC), developed a programme of actions to be delivered by this group in the coming months and years. The processes in this regard will be developed within the Grid IP as well as the Strategic Environmental Assessment Environmental Report (SEA ER).

⁸ The CRU Security of Supply Programme of Actions was published in September 2021 in response to EirGrid's most up to date All Island Generation Capacity Statement 2021, that identified a potential capacity shortfall, if no action is taken, for the winter periods of 2022/23 to 2024/25.

2.4.2 Objectives of the Grid IP

The overall objectives of the Grid IP are:

- To realise the vision for grid development set out in EirGrid 's Grid Development Strategy the Shaping Our Electricity Future Report 2030 and the Transmission Development Plan (TDP) 2021-2030;
- To review the Grid IP prepared in 2017 and to update it in the context of the Grid Development Strategy, the Shaping Our Electricity Future Report 2030 and the Transmission Development Plan (TDP) 2021-2030 and policies, processes and approaches that have been developed in the interim;
- To examine the successes and challenges encountered in the previous Grid IP to integrate the lessons learned into the new IP; the existing SEA Monitoring Programme can inform this;
- To identify and discuss the strategic environmental, social, technical, project development, planning and consenting matters, as well as consultation/engagement opportunities, pertinent to the implementation of the Grid Development Strategy, the Shaping Our Electricity Future Report 2030 and the Transmission Development Plan (TDP) 2021-2030; and to policies and objectives that will ensure their appropriate consideration in grid development activities undertaken during the Grid IP period; and
- To articulate a strategy for regional grid development based on the Grid Development Strategy, the Shaping Our Electricity Future Report 2030 and the Transmission Development Plan (TDP) 2021-2030 and separately to list transmission infrastructure projects that are envisaged as likely to be developed during the plan period, as set out in EirGrid 's TDP 2022.

2.4.3 Grid IP Geographical Scale

The Grid IP area covers the Republic of Ireland (ROI). Ireland is delineated into Nomenclature of Territorial Units for Statistics (NUTS) areas; at the highest level NUTS1 there is the national boundary subdivided into three regional assemblies (NUTS2), which are subdivided further into 8 smaller planning areas (NUTS3).

While the Grid IP is for the Republic of Ireland, the Grid network is operated on an all island grid system and market as detailed in EirGrid 's All-Island Generation Capacity Statement 2020-2029 (EirGrid , 2020). In addition there are existing interconnectors with the UK through both Northern Ireland and Wales' specifically the 500 MW Moyle Interconnector between Auchencrosh in Ayrshire and Ballycronan More in County Antrim, and the 500 MW East West Interconnector from Meath to Schotten (Wales).

Furthermore, the 700MW Celtic Interconnector from Claycastle Co. Cork to Brittany in France has been granted and is moving to development phase. Finally, the 500 MW Greenlink Interconnector from Wexford to Pembrokeshire (Wales) is also under construction. Therefore, the Grid IP and SEA will have regard where relevant to the transmission network in the UK and France (Figure 2-3).

Due to EirGrid 's new role in the context of marine transmission infrastructure, the Grid IP and the associated SEA will be considering the marine environment. The geographic scope could extend to the full EEZ; therefore, the SEA study area⁹ is as defined in Figure 2-5. Transboundary effects are also considered within the SEA ER and NIS processes.

⁹ Policies and objectives within the Grid IP will apply to any future development within the EEZ which arises on foot of the IP.

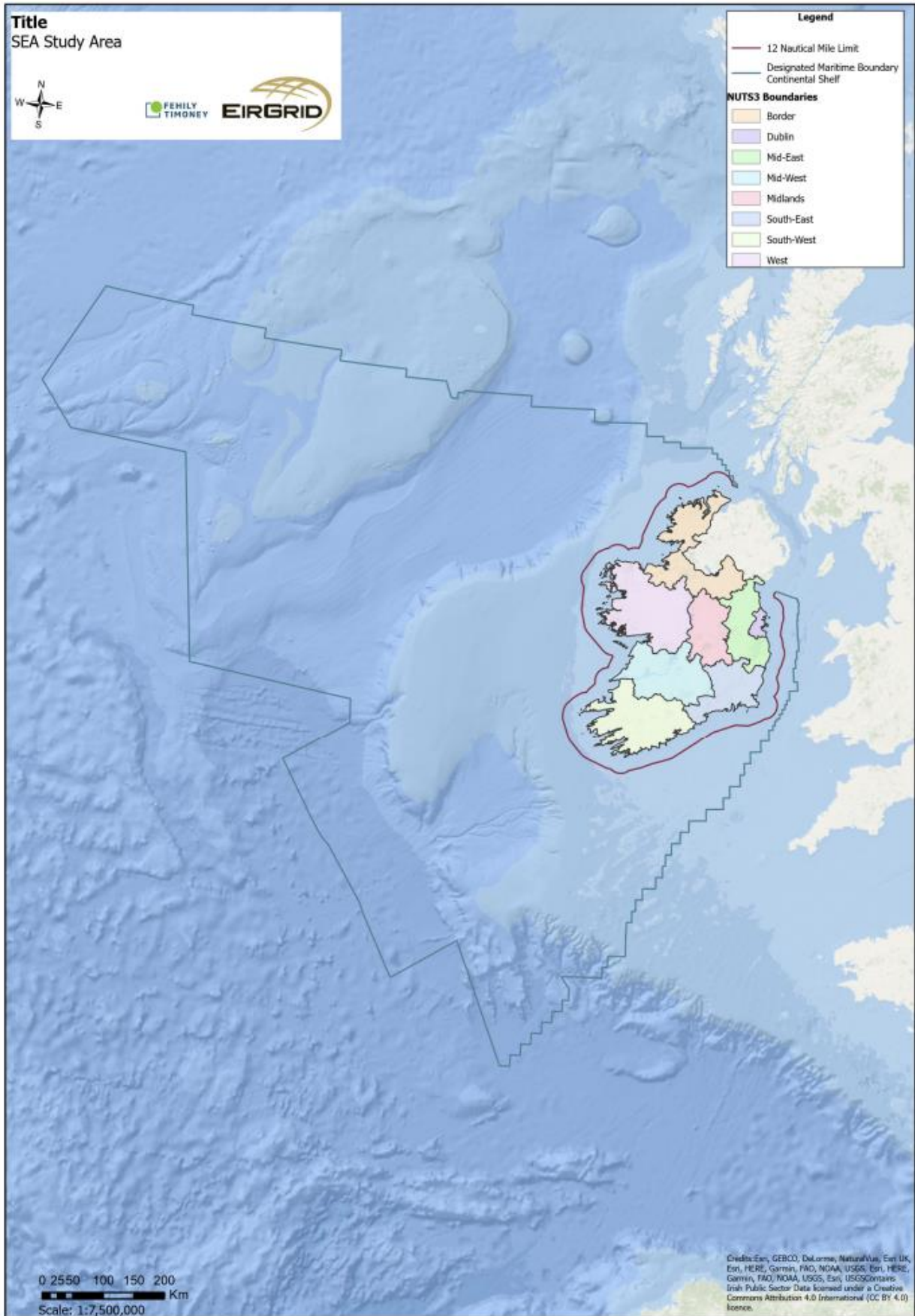


Figure 2-5: AA Study Area

3. SCREENING FOR APPROPRIATE ASSESSMENT

3.1 Introduction to Screening

This stage of the process identifies any potential significant affects 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. The only habitat listed as an SCIs are wetland habitats and bird species listed within 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 habitat¹⁰ or species¹¹ at that site have been considered.

3.2 Identification of Relevant European Sites

The DHLGHD¹² (2009) Guidance on AA recommends a 15 km buffer zone to be considered. Although sites beyond this buffer zone would be considered if relevant, a review of all sites within this zone has allowed the conclusion to be made that in the absence of significant hydrological links the characteristics of the Grid IP will not impose effects beyond the 15 km buffer. Given the national scope/ geographic scale of the Grid IP covers all of the Republic of Ireland all European sites in Ireland are being considered as well as those across the Northern Ireland border. The assessment process also considers hydrogeological processes and possible effects to ground water with respect to ground water sensitive habitats and species.

Details of European sites that are identified to have meaningful ecological pathways to the Grid IP boundary are provided in Appendix 2. European sites and Rivers Catchments (as per the EPAs Water

¹⁰ 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.

¹¹ 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.

¹² Formerly the Department of the Environment, Heritage and Local Government at the time of writing.

Framework Directive Data) are also mapped in Figure 3.1 below. A full list of references of the conservation objectives that have been considered by the assessment can be found in Appendix 1. Information on QIs, SCIs and site-specific vulnerabilities and sensitivities (see Appendix 2) and background information (such as that within Ireland’s Article 17 Report to the European Commission, site synopses and Natura 2000 standard data forms) have been considered by both the AA screening assessment (provided under this section) and NIS (provided under Section 4).

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 Grid IP against the QIs/SCIs of each site. The conservation objectives for each site were consulted throughout the assessment process.

Table 3-1: Length of the existing transition network within European sites

	SAC/cSAC		SPA (none within cSPAs)	
	Distance in km	% of Line	Distance in km	% of Line
110kV	82,170	0.92	102,401	1.15
220kV	36,388	1.10	31,397	0.95
400kV	4,552	0.62	29,351	4.0
EirGrid Assets	12,755	0.62	10,937	0.53
Total	135,865	0.90	174,086	1.16

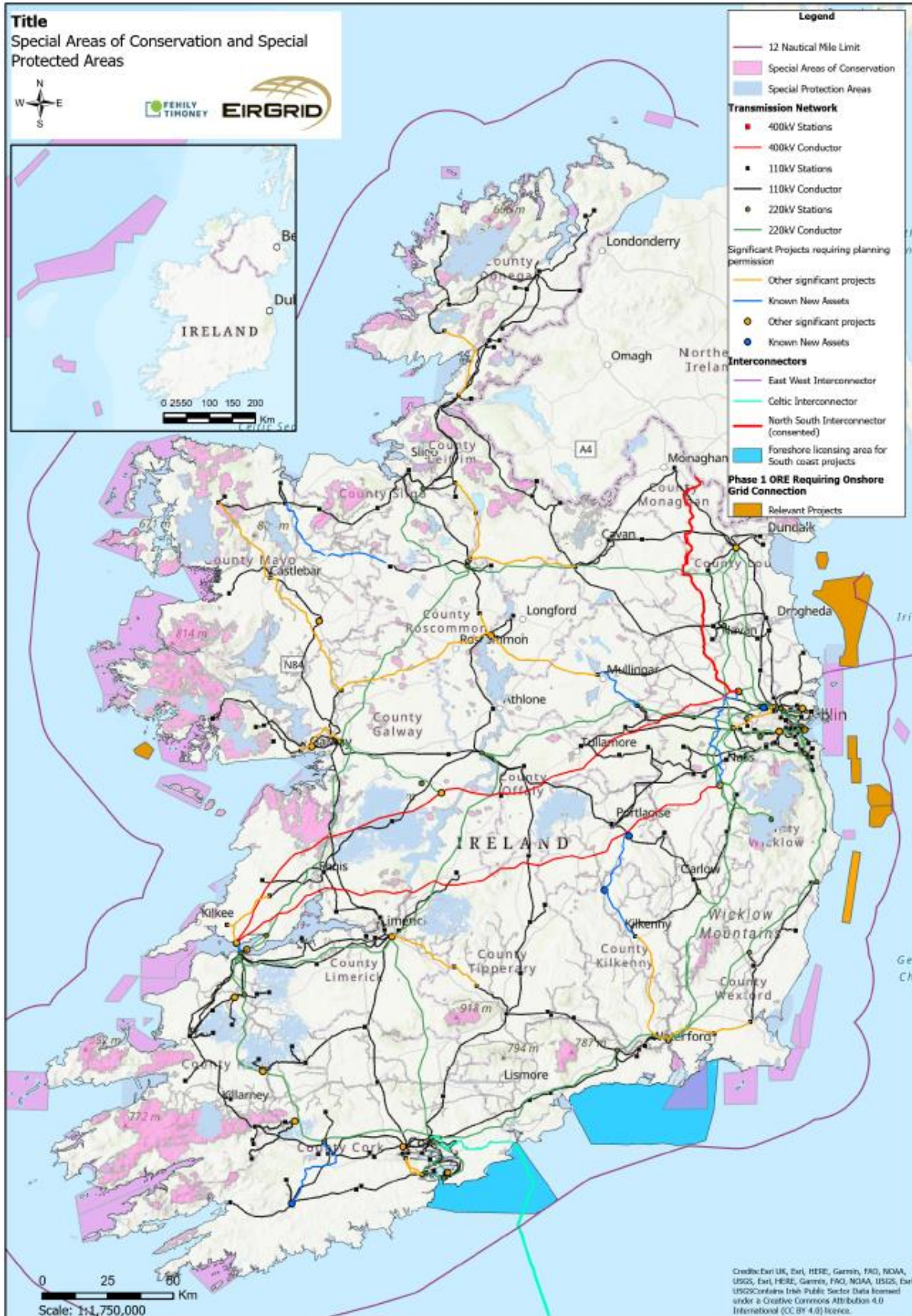


Figure 3-1 European sites within Ireland and within 15km of Ireland nationally including northern Ireland and the marine



3.3 Assessment Criteria and Screening

3.3.1 Is the Grid IP Necessary to the Management of European Sites?

The overarching objective of the Grid IP is not the nature conservation management of the sites, but to provide for coherent and coordinated grid development for Ireland. Therefore, the Grid IP is not directly connected with or necessary to the management of European sites.

3.3.2 Elements of the Grid IP with Potential to Give Rise to Effects

The Grid IP provides a framework for the sustainable development of electrical transmission infrastructure of Ireland nationally including the marine area. There are a number of policies and objectives which are likely to interact with environmental sensitivities within the area and an assessment of effects indicates the potential effects relate to the following:

- Arising from both construction and operation of development and associated infrastructure:
 - Loss of/damage to biodiversity in designated sites (including European sites and Wildlife Sites) and Annexed habitats and species, listed species, ecological connectivity and non-designated habitats; and disturbance to biodiversity and flora and fauna;
 - Habitat loss, fragmentation and deterioration, including patch size and edge effects; and
 - Disturbance (e.g. due to noise and lighting along transport corridors) and displacement of protected species.
- Potential interactions if effects upon environmental vectors such as water and air.
- Adverse effects from tourism, amenity and recreation.
- Damage to the hydrogeological and ecological function of the soil resource.
- Adverse effects upon the status of water bodies arising from changes in quality, flow and/or morphology.
- Increase in the risk of flooding.
- Failure to provide adequate and appropriate waste water treatment (water services infrastructure and capacity is needed to ensure the mitigation of potential effects).
- Emissions to air including greenhouse gas emissions and other emissions.

The elements of the Grid IP with the greatest potential to give rise to the effects indicated above are associated with construction phase elements of the Grid IP. The operational phase elements of the Grid IP are consistent with the existing condition of the area with respect to transmission lines and cables – but substations could result in land use change that could result in local effects if inappropriately located. 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

Appendix 2 examines whether there is potential for effects on European sites considering information provided above, including. Sites are screened out based on one or a combination of the following criteria:



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

3.4 Transboundary Effects

EirGrid is the Irish TSO in the ROI. The development of the NI transmission networks is provided for by the Transmission Development Plan for Northern Ireland (TDPNI) which is subject to SEA by SONI.

EirGrid is the TSO in Ireland, but the Grid IP also relates to grid development in Northern Ireland as the transmission system is being developed on an all-island system. As such, the Grid IP (and SEA/AA) has assessed potential transboundary effects in Northern Ireland.

The potential for interconnection with France has been included in EirGrids plans and strategies since 2012; this project has been consented and is now at construction phase – further details provided below.

Consultation was undertaken via the SEA Scoping Report with the Northern Ireland Environment Agency (NIEA), the Ministry of the Environment (Ministère de l'Environnement, de l'Énergie et de la Mer) in France and the Welsh government.

NIEA provided feedback in regard to the SEA Scoping Report on the 24th of January 2023. The main points with the consultation material relate to consideration of potential effects to European sites, and protected sites on the NI side of the national border:

'DAERA would like the SEA Environmental Report to contain a clear statement indicating the opinion about whether or not the implementation of the of the strategy is likely to have a significant effect on Northern Ireland, in combination with any identified measures envisaged to prevent, reduce and as fully as possible offset any significant adverse effects on the environment.'

'The SEA should consider all potential impacts including those which may impact Northern Ireland both directly and indirectly. Consideration should be given to all potential impacts on NI habitats (particularly designated sites, priority habitats and those important for migratory species and NI populations) including habitat quality and conservation status.'

In addition, the NIEA provide data sources to include in the process as well providing support for the approach:

" We welcome that monitoring will be put in place in due course and look forward to the opportunity to comment further as the process develops."

All such comments and considerations are being integrated into the SEA and AA processes as well as the Grid IP development process.

To date no consultation responses have been received by the other transboundary consultees in relation to the SEA Scoping Report. Efforts will be made throughout the Grid IP public consultation period to engage with these agencies directly again. A copy of the Grid IP and this SEA Environmental Report will be made available to the transboundary consultees.



3.5 In Combination Effects from 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 3 outlines a selection of plans or projects that may interact with the Grid IP to cause in-combination effects to European sites. These plans, programmes, strategies etc. were considered throughout the assessment.

The Grid IP sits within a hierarchy of statutory documents setting out grid infrastructure processes – as well as climate and renewable energy strategies and plans. The Plan must comply with relevant higher-level strategic actions and will, in turn, guide lower level strategic actions. The Grid IP does not provide the consent for infrastructure developments – all projects that arise due to the implementation of the Grid IP must comply with all relevant consent granting processes.

The National Planning Framework (NPF) and National Marine Planning Framework (NMPF) sets out Ireland’s planning policy direction for the next 20 years. The NPF is to be implemented through Regional Spatial and Economic Strategies (RSEs) and lower tier Development Plans and Local Area Plans. The RSEs set out objectives for land use planning, tourism, infrastructure, sustainable development, environmental protection and environmental management that have been subject to environmental assessment and must be implemented through County Development Plans – which are also subject to SEA and AA considerations.

In order to be realised, projects included in the Grid IP (in a similar way to other projects from any other sector) will have to comply, as relevant, with various legislation, policies, plans and programmes (including requirements for lower-tier Appropriate Assessment, Environmental Impact Assessment and other licencing requirements as appropriate) that form the statutory decision-making and consent-granting framework.

All projects within the Grid IP area and receiving environment will be considered in combination with any and all lower tier projects that may arise due to the implementation of the Grid IP. Given the uncertainties that exist with regard to the scale and location of developments facilitated by the Grid IP, 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 and their potential in-combination effects is provided at Appendix 3.

3.6 AA Screening Conclusion

The effects that could arise from the Grid IP have been examined in the context of several factors that could potentially affect the integrity of any European site. On the basis of the findings of this Screening for AA, it is concluded that the Grid IP:

- Is not directly connected with or necessary to the management of any European site; and
- Will, if unmitigated, have significant adverse effects on all European sites.

Therefore, a Stage 2 AA is required for the Grid IP (see Section 4 of this report). An AA Screening Determination undertaken by the public authority (i.e. EirGrid) accompanies this report and the Grid IP.



4. STAGE 2 APPROPRIATE ASSESSMENT

4.1 Introduction

The Stage 2 AA assesses whether the Grid IP alone, or in-combination with other plans, programmes, and/or projects, would result in adverse effects on the integrity of the all European sites brought forward from screening (those considered on Table 3.1 for which there is “Potential Pathway for Significant Effects” and/or “Potential for In-Combination Effects”), with respect to site structure, function and/or conservation objectives.

4.2 Characterisation of European sites Potentially Affected

The AA Screening identified all European sites with pathway receptors for potential effects arising from the implementation of the Grid IP. Appendix 2 characterises each of the qualifying features of the ALL European sites brought forward from Stage 1 in context of each of the sites’ vulnerabilities. Each of these site characterisations were taken from the NPWS website¹³.

4.3 Identifying and Characterising Potential Significant Effects

The following parameters can be used when characterising impacts¹⁴:

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.

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 a requirement for Ireland 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.

¹³ Last accessed 29th September 2023; <https://www.npws.ie/protected-sites>

¹⁴ 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”.



Site-Specific Conservation Objectives (SSCOs) have been prepared for a number of European sites. These detailed SSCO's 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 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 cSACs:

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 effects on European sites is conducted utilising a standard source-pathway model (see approach referred to under Sections 1.3 and 3). The 2001 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. Each of these potential changes are considered below and 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 Grid IP provides for infrastructural development across the country with specific projects called out. Although the Grid IP does not provide a framework for granting consent – it does provide for the planning and development of large scale infrastructure projects which have potential to cause direct land take or loss of habitat area if incorrectly designed and implemented.



Various measures have been integrated into the Grid IP with the objective of ensuring that there are no significant effects on the ecological integrity of any European Site (see Section 5; for example, BOIDP1¹⁵, BOIDP2¹⁶ and ENVP11¹⁷) as a result of loss of habitat or supporting habitat for species that are necessary to maintain the ecological integrity of European Sites.

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 throughout the lifetime of the Grid IP.

4.3.1.2 *Habitat or species Fragmentation*

As previously stated, the Grid IP does not provide a framework for granting consent – it does provide for the planning and development of large scale infrastructure projects which have potential to cause habitat fragmentation over large areas if incorrectly designed and implemented. This fragmentation might not directly affect habitat loss within the European Sites (as detailed above) but could result in isolation of resources and functional connectivity loss. These effects could result in the fragmentation of habitat and/or species through light pollution, habitat loss, removal of stepping stone habitats etc. Therefore, mitigation measures are required to ensure that there are no significant adverse effects in relation to fragmentation on the ecological integrity of any European site.

The Grid IP recognises the role of non-designated sites for the maintenance and enhancement of European sites due to the connectivity and accessibility of ecological resources. The Grid IP provides policies and objectives to minimise potential fragmentation and to facilitate the enhancement of ecological corridors; see mitigation measures such as BOIDP2 and BOIDP3¹⁸ (see full list of measures reproduced at Section 5 of this report).

Further to these provisions there are policy objectives related to specific ecological resources and/or habitats such as waterways, wetlands and peatlands etc. (such as ENVP24).¹⁹ These policies apply to all plans, programmes and/or projects that may arise due to the implementation of the Grid IP and will ensure that habitat or species fragmentation will not occur in relation to the connectivity of the ecological resources necessary to maintain the ecological integrity of European sites throughout the lifetime of the Grid IP.

¹⁵ To protect flora, fauna and habitats, and sites designated in the Habitats Directive, the Birds Directive, the Wildlife Act 1976 (as amended), the Flora Protection Order (S.I. no. 235 of 2022), and the European Communities (Birds and Natural Habitats) Regulations 2011 (as amended)

¹⁶ To minimise the impact of grid development on existing trees and hedgerows, and all semi-natural habitats

¹⁷ To avoid or minimise impacts on surface, ground, and marine water quality and support achieving objectives of the Marine Strategy Framework Directive and Water Framework Directive.

¹⁸ To protect and wherever possible enhance wooded, wetland and other habitats which function as wildlife corridors, in accordance with Article 10 of the EU Habitats Directive.

¹⁹ To contribute towards, as appropriate, the protection of existing and potential water resources, and their use by humans and wildlife, including rivers, streams, wetlands, groundwater, coastal waters and associated habitats and species in accordance with the requirements and guidance in the EU Water Framework Directive 2000 (2000/60/EC), the European Union (Water Policy) Regulations 2003 (as amended), the European Communities Environmental Objectives (Surface Waters) Regulations 2009 (SI No. 272 of 2009), the Groundwater Directive 2006/118/EC and the European Communities Environmental Objectives (groundwater) Regulations, 2010 (S.I. No. 9 of 2010) and other relevant EU Directives, including associated national legislation and policy guidance (including any superseding versions of same). To support the application and implementation of a catchment planning and management approach to development and conservation, including the implementation of Sustainable Drainage System techniques for new development.



4.3.1.3 *Disturbance to Key Species*

Disturbance effects are caused by any activity that has potential to alter the movement patterns/distribution of species. Disturbance effects can relate to direct disturbance through human activity/movement or sources such as noise pollution. This is particularly relevant in relation to the construction phase of potential developments provided by the Grid IP which are in or adjacent to European sites. As the Grid IP provides for infrastructure development – which would have associated disturbance effects – there is a need for further consideration in this regard.

The Grid IP accounts for noise pollution effects through its policies and objectives affording protection to European sites by ensuring any projects that arise from the implementation of the Grid IP avoid or minimise noise in compliance with the Environmental Noise Directive and associated National Regulations – ENVP7²⁰ and ENVP8²¹. Other disturbance effects could relate to a reduction in habitat quality due to anthropogenic sensitivities for species such as the hen harrier or cetacean species. Policies to ensure the protection of habitat quality have been built into the Grid IP; such as BIODP3 and BIODPO3²² (further details see Section 5).

These measures are robust to ensure that any sensitive habitat features or species will be protected through mitigation. All of the policies related to positive effects for Biodiversity and the marine environment are detailed in Section 5.

²⁰ To facilitate new technologies which minimise noise emissions on onshore and offshore grid development

²¹ To seek to preserve and maintain noise quality (including underwater noise) in accordance with good practice and relevant legislation.

²² To quantify and report losses in habitat area from development and deliver wherever possible, net gain (and if not no net loss) of semi-natural habitats from grid development. Mechanisms will include ecological input to landscape planting so that it functions for biodiversity, enhancement of existing habitats, and as a last resort, off-site habitat compensation.



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 Grid IP introduces potential effects on species densities in the form of construction phase effects such as habitat destruction, light pollution, hydrological interaction or operational effects such as disturbance effects, habitat encroachment, trampling etc. However, the Grid IP contains provisions to enhance biodiversity, landscape and the environment within Ireland nationally including the marine (ENVP11). Similarly, the Grid IP identifies the role of non-designated sites for the maintenance and enhancement of European sites due to the connectivity and accessibility of ecological resources. Further to these provisions there are policy objectives related to specific ecological resources and/or habitats such as ENVP8²³ and ENVP10²⁴ and the use of the community benefit scheme (HBSO1²⁵). These policies apply to all plans, programmes and projects that may arise due to the implementation of the plan. Measures relating to light pollution, noise pollution, habitat loss and fragmentation are addressed above (further detailed in Section 5). In addition to this the Grid IP identifies policy objectives to protect and improve water quality interactions which can influence species densities. Further details in relation to the mitigation measures incorporated into the text of the Grid IP see Section 5 below.

4.3.1.5 Changes of Indicators of Conservation Value

Water quality is the primary macro indicator of conservation value. The Grid IP contains many robust policies and objectives to ensure the protection of both surface and ground water quality. Development within the vicinity of groundwater or surface water dependant European sites will not be permitted where there is potential for a likely significant effect on the groundwater or surface water supply to the European sites. Policies and objectives that specifically relate to the protection of water quality which account for potential effects to European sites include ENVP4²⁶, ENVP5²⁷, ENVP11²⁸ and ENVP23²⁹. Similarly, emissions to air have potential to adversely affect the conservation status of European sites; however, the Grid IP contains policies and objectives – such as ENVP8³⁰ and ENVP10³¹ – which account for this.

There are no provisions in the plan which are likely to interact with wastewater loadings or other such interactions.

²³ To seek to preserve and maintain noise quality (including underwater noise) in accordance with good practice and relevant legislation.

²⁴ To ensure appropriate dust suppression during construction works.

²⁵ To implement our new Community Benefit policy and fund high quality sustainability, biodiversity, and community projects in areas affected by grid development projects. All projects are aligned with United Nations Sustainable Development Goals, and administered through a Community Forum to ensure they are designed by local communities, for local communities

²⁶ To require the use of sustainable urban drainage systems in all new grid developments where appropriate.

²⁷ To have regard to the statutory guidelines on the Planning System and Flood Risk Management, as may be revised/updated when devising grid development projects, and in the preparation of grid development strategies and plans.

²⁸ To avoid or minimise impacts on surface, ground, and marine water quality and support achieving objectives of the Marine Strategy Framework Directive and Water Framework Directive.

²⁹ To protect the water environment, water quality and aquatic ecology in accordance with the EU Water Framework Directive, in the development of its transmission projects.

³⁰ To seek to preserve and maintain noise quality (including underwater noise) in accordance with good practice and relevant legislation.

³¹ To ensure appropriate dust suppression during construction works.



Additionally, the policies provide broader scope to ensure the protection of the wider landscape associated with riparian zones and habitats sensitive to hydrological interactions; such as BOIDP3, BOIDP4³².

4.3.1.6 *Climate change*

The Grid IP introduces a number of policies and objectives to reduce carbon emissions; CLIMP1³³ and CLIMP2³⁴ etc. (See further details below). In addition to these measures there are policies and objectives integrated into the Grid IP to minimise and avoid potential sources for emissions to air as detailed above. Therefore, there are no sources for significant effects to climate change factors identified within the Grid IP having regard for the measures identified above and in Section 5 below. Therefore, there are no changes projected to arise from climate change to the degree that it would affect the QIs or SCIs of the European sites considered.

4.3.1.7 *Grid Development under the Grid IP*

The Grid IP has reference to the adopted IP, with the projects referenced, based on those outlined in the TDP document and Shaping Irelands Energy Future document. The recommendations, mitigation measures and monitoring measures outlined in Section 5. Monitoring Framework of the SEA ER report have been developed, accounting for those projects and they are integrated into the Grid IP.

It is noted that new projects may arise over the lifetime of the Grid IP. The system of environmental appraisal required for each annual TDP, ensures that environmental assessment is repeated annually throughout the Grid IP lifetime, in the form of an annual Environmental Appraisal Report to ensure the mitigatory policies set out in the Grid IP and associated SEA and AA reports are adequately applied to new projects.

The projects outlined within the Grid IP are at various planning stages. The Celtic Interconnector has gone through all relevant consent procedures and is currently at pre-construction phase. This project will be delivered within the lifetime of the Grid IP. It is important to note that projects including the Celtic Interconnector which have already been granted consent will not be required to comply with all of the policies and objectives of the Grid IP, but were previously subjected to SEA within the 2017-2022 IP. In addition, the Celtic Interconnector has already advanced a Community Benefit Scheme providing funding of €2.4 Million for biodiversity, sustainability and community projects. All future plans and projects at various design and consent phases will be subject to compliance with the policies and objectives of the Grid IP.

TEG has been scoped out of the Grid IP and supporting AA and SEA, as EirGrid is neither the developer or future asset owner of any TEG sites, with EirGrids role limited to procurement. Similarly other Consented projects Scoped out of higher level assessment such as CP0970 Cross-Shannon as these have already completed a full suite of statutory environmental assessment processes. Minor projects not yet consented such as all upgrades and refurbs and minor station projects in the TDP have been scoped out of higher level assessment due to their scale and nature.

³² To design habitat creation, restoration and enhancement into project scopes wherever possible, in collaboration with ESB for onshore assets, while complying with relevant technical and safety standards.

³³ To integrate measures to address climate change into grid development, through effective mitigation and adaptation responses, in accordance with available guidance and best practice.

³⁴ To support, through all activities, and in particular connection of low-carbon and renewable energy generation onshore and offshore, delivery of the Government's target of up to 80% electricity consumption generated from renewable energy sources by the year 2030.



Projects currently within the planning system³⁵ which have been scoped in due to the scale and nature include:

- CP0966 Kildare Meath Grid Upgrade;
- CP1190 Poolbeg; and,
- CP1213 Belcamp.

Major Projects not in planning system which have been scoped in due to the scale and nature include:

- CP1021 East Meath to North Dublin (Dublin and Meath)
- Phase 2 South Coast offshore (and onshore grid connection) (Cork and Waterford)
- CP1023 Letterkenny Station Redevelopment (Co. Donegal)
- CP1048 Power Flow Control Scheme (Co. Donegal)
- CP0967 Moneypoint Series Compensation (Site at Knockkyle, Co. Laois)
- CP1196 Arklow / Ballybeg to Carrickmines Upvoltage
- CP1300 Climate Change Adaptation
- CP0982 Flagford Sligo Capacity Needs
- CP1233 Donegal - Srananagh Corridor

All other projects were subject to a high-level assessment of effects as these projects comprised modifications to, or extensions of existing assets. Due to their relatively small scale or nature prior to the assessment, significant effects to European sites are not identified.

³⁵ Note that EirGrid is not aware of any potential for conflict between the Grid IP policies, and any future planning conditions, if/when granted. However, for the avoidance of any doubt, any conditions from planning authorities will take precedence over the policies in this Grid IP.

Table 4-1 Projects considered within the Grid IP of scale relevant to the high level assessment process

Project Number and Name	Project Type	Project Stage	Discussion of Effects	Relevant Mitigation
CP0966 Kildare Meath Grid Upgrade	Grid Upgrade	Currently within the planning system	<p>This project will be subject to the statutory processes and the EirGrid six step framework. The progression of this project through these processes will facilitate the avoidance of long term significant effects such as habitat loss, effects on SPAs/SACs, effects on the species requiring protection under the Habitats Directive, including European Eel (now an endangered species), effects on residential receptors and effects on cultural heritage and landscape features.</p> <p>There could be construction related impacts in relation to this project including the following:</p> <ul style="list-style-type: none"> • disturbance to species; • disturbance to local residents from construction works i.e. noise or dust emissions; • temporary disturbance to local services; and • potential pollution of nearby watercourse(s). <p>The project will be subject to the inherent mitigation and in particular the construction best practice and any measures set out during the statutory processes. The adherence to this construction best practice will facilitate the avoidance and reduction of significant effects.</p> <p>Considering the inherent mitigation which the project will be subject to, the potential for significant effects associated with the construction phase or any new infrastructure and land-take requirements are unlikely, but the overall magnitude of impacts remains unknown.</p> <p>The project is likely to facilitate renewable energy connection therefore the likely significant effects on SEO CC1 is positive.</p> <p>Due to the location of this project it is not considered that there is potential for transboundary effects.</p>	<ul style="list-style-type: none"> • ER1 • ER2 • ER3 • ER4 • EM2
CP1190 Poolbeg	Grid Upgrade	Currently within the planning system		
CP1213 Belcamp	Grid Upgrade	Currently within the planning system		
CP1021 East Meath to North Dublin (Dublin and Meath)	Underground Cable Project	Step 5, Best Performing Option Identified, and Planning Application in Preparation		
Phase 2 South Coast offshore (and onshore grid connection) (Cork and Waterford)	Offshore and onshore grid connection	Foreshore Licence Application for Site Investigations under consideration by DHLGH		
CP1023 Letterkenny Station Redevelopment (Co. Donegal)	Station Redevelopment	Step 5, Design Review ongoing to inform Planning Application		
CP1048 Power Flow Control Scheme (Co. Donegal)	Flow Control Scheme	Step 5, Design Review ongoing to inform Planning Application		
CP0967 Moneypoint Series Compensation (Site at Knockkyle, Co. Laois)	New infrastructure at Knockkyle, Co. Laois	Step 5, Draft Planning application prepared		
CP1196 Arklow / Ballybeg to Carrickmines Upvoltage	Upvoltage Project	Step 4, optioneering ongoing		
CP1300 Climate Change Adaptation	Climate Change Adaptation	Step 5, Outline Design in preparation		
CP0982 Flagford Sligo Capacity Needs	Capacity Needs	Step 3, short list of options		

Table 4-2 Potential effects from the Grid IP on European sites which require mitigation measures

Site Code	Site Name	Characterisation of Potential Effects
000006	Killyconny Bog (Cloghbally) SAC	The known threats and pressures for this site relate to Forest planting on open ground, Fire and fire suppression, Garbage and solid waste, Outdoor sports and leisure activities, recreational activities, Game or bird breeding station, Paths, tracks, cycling tracks, Fences, fencing, Fertilisation, Vandalism, Intensive cattle grazing, Off-road motorized driving, Landfill, land reclamation and drying out, general, Mining and quarrying, Human induced changes in hydraulic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000007	Lough Oughter and Associated Loughs SAC	The known threats and pressures for this site relate to Dispersed habitation, Forest planting on open ground (native trees), Artificial planting on open ground (non-native trees), Other point source pollution to surface water, Invasive non-native species, Diffuse pollution to surface waters due to agricultural and forestry activities, Infilling of ditches, dykes, ponds, pools, marshes or pits, Removal of hedges and copses or scrub, Flooding and rising precipitations, Outdoor sports and leisure activities, recreational activities, Diffuse pollution to surface waters via storm overflows or urban run-off. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000014	Ballyallia Lake SAC	The known threats and pressures for this site relate to Competition (flora), Agricultural intensification, Removal of hedges and copses or scrub, Fertilisation, No threats or pressures, Pollution to surface waters (limnic & terrestrial, marine & brackish). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000016	Ballycullinan Lake SAC	The known threats and pressures for this site relate to Grazing, Human induced changes in hydraulic conditions, Removal of hedges and copses or scrub, Dispersed habitation, Fertilisation, Landfill, land reclamation and drying out, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000019	Ballyogan Lough SAC	The known threats and pressures for this site relate to Diffuse pollution to surface waters due to household sewage and waste waters, Stock feeding, Diffuse pollution to surface waters due to agricultural and forestry activities, Non intensive grazing, Restructuring agricultural land holding, Intensive grazing, Abandonment of pastoral systems lack of grazing, Diffuse groundwater pollution due to non-sewered population, Problematic native species, Burning down, Mining and quarrying, Diffuse groundwater pollution due to agricultural and forestry activities, Species composition change (succession). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000020	Black Head-Poulsallagh Complex SAC	The known threats and pressures for this site relate to Abandonment of pastoral systems lack of grazing, Camping and caravans, Mechanical removal of peat, Agricultural structures, buildings in the landscape, Fertilisation, Competition (flora), Trampling, overuse, Stock feeding, Non intensive cattle grazing, Species composition change (succession), Paths, tracks, cycling tracks, Mining and extraction activities not referred to above, Removal of hedges and copses or scrub, Outdoor sports and leisure activities, recreational activities, Accumulation of organic material, Forestry activities not referred to above. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000030	Danes Hole, Poulnalecka SAC	The known threats and pressures for this site relate to Grazing in forests or woodland, Decline or extinction of species, Removal of hedges and copses or scrub, Forest planting on open ground (native trees), Improved access to site. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000032	Dromore Woods and Loughs SAC	The known threats and pressures for this site relate to Predator control, Hunting, Roads, motorways, Leisure fishing, Other human intrusions and disturbances, Restructuring agricultural land holding, Walking, horseriding and non-motorised vehicles, Disposal of inert materials, Human induced changes in hydraulic conditions, Interpretative centres, Motorised vehicles, Removal of hedges and copses or scrub, Forest planting on open ground (native trees), Sylviculture, forestry, Grazing, Removal of stone walls and embankments, Dispersed habitation, Reconstruction, renovation of buildings, Fertilisation, Roads, paths and railroads, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000036	Inagh River Estuary SAC	The known threats and pressures for this site relate to Agricultural intensification, Modifying structures of inland water courses, Invasive non-native species, Sea defence or coast protection works, tidal barrages, Reclamation of land from sea, estuary or marsh, Water flow changes (limnic, tidal and oceanic), Other siltation rate changes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000037	Pouladatig Cave SAC	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000051	Lough Gash Turlough SAC	The known threats and pressures for this site relate to Roads, motorways, Fertilisation, Diffuse pollution to surface waters due to household sewage and waste waters, Removal of hedges and copses or scrub, Hunting, Grazing, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000054	Moneen Mountain SAC	The known threats and pressures for this site relate to Accumulation of organic material, Non intensive cattle grazing, Stock feeding, Abandonment of pastoral systems lack of grazing, Fertilisation, Paths, tracks, cycling tracks, Species composition change (succession), Agricultural structures, buildings in the landscape, Removal of hedges and copses or scrub, Competition (flora). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000057	Moyree River System SAC	The known threats and pressures for this site relate to Problematic native species, Urbanised areas, human habitation, Stock feeding, Restructuring agricultural land holding, Forest planting on open ground, Removal of stone walls and embankments, Human induced changes in hydraulic conditions, Reconstruction, renovation of buildings, Disposal of household or recreational facility waste, Fire and fire suppression, Hunting, Agricultural structures, buildings in the landscape, Non intensive cattle grazing, Fertilisation, Walking, horseriding and non-motorised vehicles, Pollution, Grazing, Removal of hedges and copses or scrub, Landfill, land reclamation and drying out, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000064	Poulnagordon Cave (Quin) SAC	The known threats and pressures for this site relate to Urbanised areas, human habitation, Removal of hedges and copses or scrub, Recreational cave visits, Vandalism, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000077	Ballymacoda (Clonpriest and Pillmore) SAC	The known threats and pressures for this site relate to Grazing, Dispersed habitation, Leisure fishing, Bait digging or collection, Invasive non-native species, Fertilisation, Hunting, Walking, horseriding and non-motorised vehicles, Eutrophication (natural), Sports pitch, Taking and removal of animals (terrestrial). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000090	Glengarriff Harbour and Woodland SAC	The known threats and pressures for this site relate to Piers or tourist harbours or recreational piers, Suspension culture, Non intensive grazing, Dispersed habitation, Nautical sports, Fishing and harvesting aquatic resources, Removal of forest undergrowth, Burning down, Grazing in forests or woodland, Pollution to surface waters (limnic & terrestrial, marine & brackish), Walking, horseriding and non-motorised vehicles, Forestry clearance, Tree surgery, felling for public safety, removal of roadside trees, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000091	Clonakilty Bay SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Non intensive grazing, Accumulation of organic material, Bait digging or collection. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000093	Caha Mountains SAC	The known threats and pressures for this site relate to Hand cutting of peat, Paths, tracks, cycling tracks, Non intensive sheep grazing, Dispersed habitation, No threats or pressures, Burning down, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000097	Lough Hyne Nature Reserve and Environs SAC	The known threats and pressures for this site relate to No threats or pressures, Leisure fishing, Potting, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000101	Roaringwater Bay and Islands SAC	The known threats and pressures for this site relate to Marine and Freshwater Aquaculture, Fire and fire suppression, Removal of beach materials, Restructuring agricultural land holding, Abandonment of pastoral systems lack of grazing, Non intensive grazing, Stock feeding, Fishing and harvesting aquatic resources, Human intrusions and disturbances. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000102	Sheep's Head SAC	The known threats and pressures for this site relate to No threats or pressures, Stock feeding, Paths, tracks, cycling tracks, Restructuring agricultural land holding, Non intensive grazing, Fire and fire suppression, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000106	St. Gobnet's Wood SAC	The known threats and pressures for this site relate to Tree surgery, felling for public safety, removal of roadside trees, Removal of forest undergrowth, Grazing, Use of biocides, hormones and chemicals (forestry), Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000108	The Gearagh SAC	The known threats and pressures for this site relate to Human induced changes in hydraulic conditions, Diffuse pollution to surface waters due to agricultural and forestry activities, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000109	Three Castle Head to Mizen Head SAC	The known threats and pressures for this site relate to No threats or pressures, Non intensive grazing, Paths, tracks, cycling tracks, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000111	Aran Island (Donegal) Cliffs SAC	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Sand and gravel extraction , Leisure fishing, Paths, tracks, cycling tracks, Hand cutting of peat, Urbanised areas, human habitation, Grazing, Electricity and phone lines. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000115	Ballintra SAC	The known threats and pressures for this site relate to Non intensive cattle grazing, Forestry activities not referred to above, Species composition change (succession). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000116	Ballyarr Wood SAC	The known threats and pressures for this site relate to Grazing in forests or woodland, Outdoor sports and leisure activities, recreational activities, Forestry activities not referred to above. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000129	Croaghonagh Bog SAC	The known threats and pressures for this site relate to Sand and gravel extraction , Intensive sheep grazing, Raising the groundwater table or artificial recharge of goundwater, Flooding, Fire and fire suppression, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000133	Donegal Bay (Murvagh) SAC	The known threats and pressures for this site relate to Intensive fish farming, intensification , Removal of beach materials, Camping and caravans, Outdoor sports and leisure activities, recreational activities, Erosion, Sea defense or coast protection works, tidal barrages, Trampling, overuse, Infilling of ditches, dykes, ponds, pools, marshes or pits, Intensive cattle grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000138	Durnesh Lough SAC	The known threats and pressures for this site relate to Hunting, Disposal of household or recreational facility waste, Outdoor sports and leisure activities, recreational activities, Dispersed habitation, Non intensive cattle grazing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000140	Fawnboy Bog/Lough Nacung SAC	The known threats and pressures for this site relate to Grazing, Modifying structures of inland water courses, Industrial or commercial areas, Roads, motorways, Peat extraction, Dispersed habitation, Sylviculture, forestry, Sand and gravel extraction . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000142	Gannivegil Bog SAC	The known threats and pressures for this site relate to Grazing, Sand and gravel quarries, Fire and fire suppression, Hand cutting of peat, Roads, motorways, Mechanical removal of peat, Peat extraction, Human induced changes in hydraulic conditions, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000147	Horn Head and Rinclevan SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Mowing or cutting of grassland, Netting, Walking, horseriding and non-motorised vehicles, Sylviculture, forestry, Grazing, Golf course, Other discharges, Dispersed habitation, Sand and gravel quarries, Fire and fire suppression, Fertilisation, Hand cutting of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000154	Inishtrahull SAC	The known threats and pressures for this site relate to Non intensive mixed animal grazing, Outdoor sports and leisure activities, recreational activities, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000163	Lough Eske and Ardnamona Wood SAC	The known threats and pressures for this site relate to Grazing, Invasive non-native species, Dispersed habitation, Other forms of taking animals, Diffuse pollution to surface waters due to agricultural and forestry activities, Grazing in forests or woodland, Human induced changes in hydraulic conditions, Forest replanting (native trees). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000164	Lough Nagreany Dunes SAC	The known threats and pressures for this site relate to Erosion, Grazing, Agricultural intensification, No threats or pressures, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000165	Lough Nillan Bog (Carrickatlieve) SAC	The known threats and pressures for this site relate to No threats or pressures, Disposal of inert materials, Intensive sheep grazing, Decline or extinction of species, Fences, fencing, Disposal of household or recreational facility waste, Species composition change (succession), Invasive non-native species, Off-road motorized driving, Hand cutting of peat, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000168	Magheradrumman Bog SAC	The known threats and pressures for this site relate to No threats or pressures, Modification of hydrographic functioning, general, Mechanical removal of peat, Roads, paths and railroads, Off-road motorized driving. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000172	Meenaguse/Ardbane Bog SAC	The known threats and pressures for this site relate to Stock feeding, Dispersed habitation, No threats or pressures, Mechanical removal of peat, Hand cutting of peat, Fire and fire suppression, Intensive sheep grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000173	Meentygrannagh Bog SAC	The known threats and pressures for this site relate to Forest planting on open ground, Raising the groundwater table or artificial recharge of groundwater, Suspended electricity and phone lines, Hand cutting of peat, Stock feeding, Human induced changes in hydraulic conditions, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000174	Curraghchase Woods SAC	The known threats and pressures for this site relate to Dredging or removal of limnic sediments, Forest replanting (native trees), Outdoor sports and leisure activities, recreational activities, Vandalism, Forest and Plantation management & use. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000181	Rathlin O'Birne Island SAC	The known threats and pressures for this site relate to Abandonment of pastoral systems lack of grazing, Potting, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000185	Sessiagh Lough SAC	The known threats and pressures for this site relate to Continuous urbanisation, Invasive non-native species, Diffuse groundwater pollution due to non-sewered population, Motorized nautical sports, Diffuse pollution to surface waters due to household sewage and waste waters, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000189	Slieve League SAC	The known threats and pressures for this site relate to Mountaineering & rock climbing, No threats or pressures, Disposal of inert materials, Potting, Trampling, overuse, Car parcs and parking areas, Invasive non-native species, Disposal of household or recreational facility waste, Mechanical removal of peat, Stock feeding, Intensive sheep grazing, Hand cutting of peat, Walking, horseriding and non-motorised vehicles, Fences, fencing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000190	Slieve Tooley/Tormore Island/Loughros Beg Bay SAC	The known threats and pressures for this site relate to Disposal of household or recreational facility waste, Fences, fencing, No threats or pressures, Crop change, Burning down, Sand and gravel quarries, Abandonment of pastoral systems lack of grazing, Off-road motorized driving, Intensive sheep grazing, Hand cutting of peat, Stock feeding, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000191	St. John's Point SAC	The known threats and pressures for this site relate to Non intensive cattle grazing, Trampling, overuse, Hand collection, Walking, horseriding and non-motorised vehicles, Off-road motorized driving, Scuba diving, snorkelling. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000194	Tranarossan and Melmore Lough SAC	The known threats and pressures for this site relate to Stock feeding, No threats or pressures, Restructuring agricultural land holding, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000197	West of Ardara/Maas Road SAC	The known threats and pressures for this site relate to Off-road motorized driving, Abandonment or lack of mowing, Fertilisation, Trampling, overuse, Intensive mixed animal grazing, Storage of materials, Hunting, fishing or collecting activities not referred to above, Burning down, Roads, motorways, Abandonment of pastoral systems lack of grazing, Hand cutting of peat, Forestry clearance, Erosion, Leisure fishing, Agricultural intensification, Paths, tracks, cycling tracks, Mechanical removal of peat, Disposal of inert materials, Fences, fencing, Diffuse pollution to surface waters due to agricultural and forestry activities, Removal of beach materials, Predator control, Other human induced changes in hydraulic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000199	Baldoyle Bay SAC	The known threats and pressures for this site relate to Antagonism with domestic animals, Invasive non-native species, Eutrophication (natural), Roads, motorways, Reclamation of land from sea, estuary or marsh, Bait digging or collection, Walking, horseriding and non-motorised vehicles, No threats or pressures, Hunting, Discharges, Golf course, Non-motorized nautical sports, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000202	Howth Head SAC	The known threats and pressures for this site relate to Sand and gravel quarries, Mining and quarrying, Vandalism, Invasive non-native species, Paths, tracks, cycling tracks, Walking, horseriding and non-motorised vehicles, Burning down, Urbanised areas, human habitation, Abandonment of pastoral systems lack of grazing, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000204	Lambay Island SAC	The known threats and pressures for this site relate to Leisure fishing, Grazing, Nautical sports, Urbanised areas, human habitation, Mowing or cutting of grassland, Hunting, Industrial or commercial areas, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000205	Malahide Estuary SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Hunting, No threats or pressures, Urbanised areas, human habitation, Nautical sports, Motorised vehicles, Roads, motorways, Bridge, viaduct, Fertilisation, Invasive non-native species, Golf course, Reclamation of land from sea, estuary or marsh. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000206	North Dublin Bay SAC	The known threats and pressures for this site relate to Discharges, Urbanised areas, human habitation, Intensive maintenance of public parks or cleaning of beaches, Leisure fishing, Other point source pollution to surface water, Bait digging or collection, Industrial or commercial areas, Invasive non-native species, Grazing, Antagonism with domestic animals, Diffuse pollution to surface waters due to other sources not listed, Walking, horseriding and non-motorised vehicles, Nautical sports, Golf course, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000208	Rogerstown Estuary SAC	The known threats and pressures for this site relate to Roads, motorways, Bait digging or collection, Golf course, Grazing, Erosion, Sea defense or coast protection works, tidal barrages, Use of biocides, hormones and chemicals, Invasive non-native species, Discharges, Reclamation of land from sea, estuary or marsh, Walking, horseriding and non-motorised vehicles, No threats or pressures, Nautical sports, Dispersed habitation, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000210	South Dublin Bay SAC	The known threats and pressures for this site relate to Marine water pollution, Industrial or commercial areas, Roads, motorways, Non-motorized nautical sports, Reclamation of land from sea, estuary or marsh, Bait digging or collection, Changes in abiotic conditions, Accumulation of organic material, Discharges, Nautical sports, Walking, horseriding and non-motorised vehicles, Paths, tracks, cycling tracks, Urbanised areas, human habitation, Biocenotic evolution, succession. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000212	Inishmaan Island SAC	The known threats and pressures for this site relate to Fertilisation, Agricultural structures, buildings in the landscape, Sea defense or coast protection works, tidal barrages, Reclamation of land from sea, estuary or marsh, Outdoor sports and leisure activities, recreational activities, Problematic native species, Non intensive cattle grazing, Storage of materials, Removal of hedges and copses or scrub, Abandonment of pastoral systems lack of grazing, Taking or Removal of terrestrial plants, general, Paths, tracks, cycling tracks, Burning down, Sand and gravel extraction . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000213	Inishmore Island SAC	The known threats and pressures for this site relate to Shipping lanes, ports, marine constructions, Agricultural structures, buildings in the landscape, Damage by herbivores (including game species), Problematic native species, Diffuse groundwater pollution due to non-sewered population, Fertilisation, Pelagic trawling, Paths, tracks, cycling tracks, Removal of hedges and copses or scrub, Mining and extraction activities not referred to above, Abandonment of pastoral systems lack of grazing, Agricultural intensification, Non intensive cattle grazing, Burning down, Reclamation of land from sea, estuary or marsh. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000216	River Shannon Callows SAC	The known threats and pressures for this site relate to Non intensive mixed animal grazing, Flooding, Forestry clearance, Modification of hydrographic functioning, general, Mechanical removal of peat, Siltation rate changes, dumping, depositing of dredged deposits, Mowing or cutting of grassland, Abandonment or lack of mowing , Intensive grazing, Removal of hedges and copses or scrub, Grazing in forests or woodland, Fertilisation, Modifying structures of inland water courses, Outdoor sports and leisure activities, recreational activities, Predation, Abandonment of pastoral systems lack of grazing, Hunting, Landfill, land reclamation and drying out, general, Paths, tracks, cycling tracks, Use of biocides, hormones and chemicals, Trampling, overuse. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000218	Coolcam Turlough SAC	The known threats and pressures for this site relate to Sand and gravel quarries, Fertilisation, Intensive mixed animal grazing, No threats or pressures, Agricultural intensification, Restructuring agricultural land holding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000231	Barroughter Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, No threats or pressures, Disposal of inert materials, Forest planting on open ground, Mechanical removal of peat, Disposal of household or recreational facility waste, Improved access to site, Burning down, Management of aquatic and bank vegetation for drainage purposes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000238	Caherglassaun Turlough SAC	The known threats and pressures for this site relate to Fertilisation, Removal of hedges and copses or scrub, Stock feeding, Diffuse groundwater pollution due to agricultural and forestry activities, Disposal of household or recreational facility waste, Diffuse pollution to surface waters due to household sewage and waste waters, Intensive cattle grazing, Grazing, Flooding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000242	Castletaylor Complex SAC	The known threats and pressures for this site relate to No threats or pressures, Diffuse groundwater pollution due to agricultural and forestry activities, Landfill, land reclamation and drying out, general, Forest planting on open ground, Intensive cattle grazing, Removal of hedges and copses or scrub, Diffuse pollution to surface waters due to household sewage and waste waters. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000248	Cloonmoylan Bog SAC	The known threats and pressures for this site relate to Non intensive goat grazing, Fire and fire suppression, Improved access to site, Forest planting on open ground, Mowing or cutting of grassland, Forest replanting (non native trees), Intensive cattle grazing, Grazing, Mechanical removal of peat, Cultivation, Forestry clearance, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000252	Coolle-Garryland Complex SAC	The known threats and pressures for this site relate to Roads, motorways, Burning down, Infilling of ditches, dykes, ponds, pools, marshes or pits, Disposal of household or recreational facility waste, Diffuse pollution to surface waters due to household sewage and waste waters, Invasive non-native species, Diffuse groundwater pollution due to agricultural and forestry activities, Removal of hedges and copses or scrub, Fertilisation, Landfill, land reclamation and drying out, general, Wind energy production, Reconstruction, renovation of buildings, Disposal of inert materials, Intensive cattle grazing, Intensive sheep grazing, Sand and gravel extraction , Modification of hydrographic functioning, general, Flooding, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000255	Croaghill Turlough SAC	The known threats and pressures for this site relate to Fertilisation, Non intensive mowing, Stock feeding, Sand and gravel quarries, Non intensive mixed animal grazing, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000261	Derrycrag Wood Nature Reserve SAC	The known threats and pressures for this site relate to Grazing in forests or woodland, Fire and fire suppression, Invasive non-native species, Paths, tracks, cycling tracks, Non intensive grazing, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000268	Galway Bay Complex SAC	The known threats and pressures for this site relate to Hunting, fishing or collecting activities not referred to above, Reclamation of land from sea, estuary or marsh, Non-motorized nautical sports, Non intensive sheep grazing, Disposal of inert materials, Invasive non-native species, Estuarine and coastal dredging, Slipways, Removal of beach materials, Paths, tracks, cycling tracks, Diffuse pollution to surface waters due to household sewage and waste waters, Bait digging or collection, Golf course, Non intensive cattle grazing, Pipe lines, Marine and Freshwater Aquaculture, Modification of water flow (tidal & marine currents), Sea defense or coast protection works, tidal barrages, Shipping lanes, ports, marine constructions, Industrial ports, Agricultural intensification, Sand and gravel extraction , Diffuse pollution to surface waters due to agricultural and forestry activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000278	Inishbofin and Inishshark SAC	The known threats and pressures for this site relate to Sea defense or coast protection works, tidal barrages, Airport, Storm, cyclone, Walking, horseriding and non-motorised vehicles, Potting, Predator control, Dispersed habitation, Sand and gravel extraction , Garbage and solid waste, Damage by herbivores (including game species), Dredging or removal of limnic sediments, Grazing, Professional passive fishing , Invasive non-native species, Burning down, Reduction, lack or prevention of erosion, Intensive sheep grazing, Inundation (natural processes). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000285	Kilsallagh Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Raising the groundwater table or artificial recharge of groundwater, Forestry clearance, Burning down, Non intensive cattle grazing, Mechanical removal of peat, Water abstractions from groundwater. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000286	Kiltartan Cave (Coole) SAC	The known threats and pressures for this site relate to Roads, motorways, Reconstruction, renovation of buildings, Flooding, Recreational cave visits . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000295	Levally Lough SAC	The known threats and pressures for this site relate to Restructuring agricultural land holding, Sand and gravel quarries, Fertilisation, Dispersed habitation, No threats or pressures, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000296	Lisnageeragh Bog and Ballinastack Turlough SAC	The known threats and pressures for this site relate to Fertilisation, Other human induced changes in hydraulic conditions, Intensive cattle grazing, Invasive non-native species, Electricity and phone lines, Problematic native species, Agricultural intensification, Burning down, Forestry clearance, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000297	Lough Corrib SAC	The known threats and pressures for this site relate to Other human intrusions and disturbances , Forest planting on open ground, Sand and gravel extraction , Invasive non-native species, Piers or tourist harbours or recreational piers, Grazing, Disposal of household or recreational facility waste, Continuous urbanisation, Fertilisation, Diffuse pollution to surface waters due to household sewage and waste waters, Other human induced changes in hydraulic conditions, Agricultural intensification, Abandonment of pastoral systems lack of grazing, Roads, paths and railroads, Infilling of ditches, dykes, ponds, pools, marshes or pits, Removal of hedges and copses or scrub, Dispersed habitation, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000299	Lough Cutra SAC	The known threats and pressures for this site relate to Noise nuisance, noise pollution, Forest exploitation without replanting or natural regrowth, Reconstruction, renovation of buildings, Forest replanting (native trees), Removal of hedges and copses or scrub, Light pollution, Restructuring agricultural land holding, Dispersed habitation, Forestry clearance, Forest planting on open ground (native trees). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000301	Lough Lurgeen Bog/Glenamaddy Turlough SAC	The known threats and pressures for this site relate to Diffuse pollution to surface waters due to household sewage and waste waters, Abandonment or lack of mowing , Other human induced changes in hydraulic conditions, Electricity and phone lines, Burning down, Non intensive sheep grazing, Fertilisation, Water abstractions from groundwater, No threats or pressures, Diffuse groundwater pollution due to non-sewered population, Mechanical removal of peat, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000304	Lough Rea SAC	The known threats and pressures for this site relate to Flooding and rising precipitations, Forest planting on open ground (native trees), Pollution to surface waters by storm overflows, No threats or pressures, Storage of materials, Invasive non-native species, Paths, tracks, cycling tracks, Continuous urbanisation, Removal of hedges and copses or scrub, Disposal of inert materials, Diffuse pollution to surface waters due to household sewage and waste waters, Agricultural intensification. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000308	Loughatorick South Bog SAC	The known threats and pressures for this site relate to Grazing, Fire and fire suppression, Hunting, Forest planting on open ground, Mechanical removal of peat, Garbage and solid waste, Stock feeding, Walking, horseriding and non-motorised vehicles, Sand and gravel quarries, Off-road motorized driving, No threats or pressures, Forest and Plantation management & use. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000318	Peterswell Turlough SAC	The known threats and pressures for this site relate to Disposal of household or recreational facility waste, Management of aquatic and bank vegetation for drainage purposes, Diffuse pollution to surface waters due to household sewage and waste waters, Landfill, land reclamation and drying out, general, Grazing, Agricultural intensification, Fertilisation, No threats or pressures, Modification of hydrographic functioning, general, Disposal of inert materials, Diffuse groundwater pollution due to agricultural and forestry activities, Stock feeding, Infilling of ditches, dykes, ponds, pools, marshes or pits, Forest planting on open ground. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000319	Pollnacknockaun Wood Nature Reserve SAC	The known threats and pressures for this site relate to Sylviculture, forestry, Forest exploitation without replanting or natural regrowth, Non intensive goat grazing, Grazing in forests or woodland, Intensive cattle grazing, No threats or pressures, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000322	Rahasane Turlough SAC	The known threats and pressures for this site relate to Disposal of household or recreational facility waste, Landfill, land reclamation and drying out, general, Disposal of inert materials, Diffuse pollution to surface waters due to household sewage and waste waters, No threats or pressures, Fertilisation, Intensive mixed animal grazing, Removal of hedges and copses or scrub, Diffuse groundwater pollution due to agricultural and forestry activities, Agricultural intensification, Management of aquatic and bank vegetation for drainage purposes, Modification of hydrographic functioning, general, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000324	Rosroe Bog SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Hand cutting of peat, No threats or pressures, Mechanical removal of peat, Intensive mixed animal grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000326	Shankill West Bog SAC	The known threats and pressures for this site relate to Water abstractions from groundwater, Fertilisation, Burning down, Mechanical removal of peat, No threats or pressures, Intensive cattle grazing, Restructuring agricultural land holding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000328	Slyne Head Islands SAC	The known threats and pressures for this site relate to No threats or pressures, Storm, cyclone, Damage by herbivores (including game species), Netting, Potting, Fishing and harvesting aquatic resources, Noise nuisance, noise pollution. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000330	Tully Mountain SAC	The known threats and pressures for this site relate to Intensive sheep grazing, Non intensive sheep grazing, Sand and gravel extraction , Invasive non-native species, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000332	Akeragh, Banna and Barrow Harbour SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Golf course, Removal of beach materials, Grazing, Camping and caravans. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000335	Ballinskelligs Bay and Inny Estuary SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Urbanised areas, human habitation, Golf course, Removal of beach materials, Grazing, No threats or pressures, Leisure fishing, Sand and gravel extraction , Fertilisation, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000343	Castlemaine Harbour SAC	The known threats and pressures for this site relate to Dispersed habitation, Grazing, Invasive non-native species, Infilling of ditches, dykes, ponds, pools, marshes or pits, Marine and Freshwater Aquaculture, Removal of beach materials, Urbanised areas, human habitation, Leisure fishing, Camping and caravans, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000353	Old Domestic Building, Dromore Wood SAC	The known threats and pressures for this site relate to Forest and Plantation management & use, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000364	Kilgarvan Ice House SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000365	Killarney National Park, Macgillycuddy's Reeks and Caragh River Catchment SAC	The known threats and pressures for this site relate to Hunting, Urbanised areas, human habitation, Attraction park, Fire and fire suppression, Abandonment of pastoral systems lack of grazing, Peat extraction, Sylviculture, forestry, Leisure fishing, Fertilisation, Golf course, Erosion, Walking, horseriding and non-motorised vehicles, Grazing, Dispersed habitation, Mowing or cutting of grassland, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000370	Lough Yganavan and Lough Nambrackdarrig SAC	The known threats and pressures for this site relate to Invasive non-native species, Modification of cultivation practices, Dispersed habitation, Grazing, Hand cutting of peat, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000375	Mount Brandon SAC	The known threats and pressures for this site relate to Erosion, Mowing or cutting of grassland, Sylviculture, forestry, Peat extraction, Restructuring agricultural land holding, Grazing, Roads, motorways, Walking, horseriding and non-motorised vehicles, Fire and fire suppression, Removal of hedges and copses or scrub, Dispersed habitation, Camping and caravans. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000382	Sheheree (Ardagh) Bog SAC	The known threats and pressures for this site relate to Grazing, Fertilisation, Roads, motorways, Mowing or cutting of grassland, Restructuring agricultural land holding, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000391	Ballynafagh Bog SAC	The known threats and pressures for this site relate to Other patterns of habitation, Other human intrusions and disturbances , Peat extraction, Fire and fire suppression, Forest planting on open ground, Improved access to site. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000396	Pollardstown Fen SAC	The known threats and pressures for this site relate to Leisure fishing, Hunting, Grazing, Electricity and phone lines, Sand and gravel extraction , Fire and fire suppression, Sylviculture, forestry, Dispersed habitation, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000397	Red Bog, Kildare SAC	The known threats and pressures for this site relate to Fertilisation, Grazing, Dispersed habitation, Leisure fishing, Hunting, Sand and gravel extraction . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000404	Hugginstown Fen SAC	The known threats and pressures for this site relate to Forest and Plantation management & use, Fertilisation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000407	The Loughans SAC	The known threats and pressures for this site relate to Fertilisation, Grazing, Intensive cattle grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000412	Slieve Bloom Mountains SAC	The known threats and pressures for this site relate to Off-road motorized driving, Forest and Plantation management & use, Mining and quarrying, Burning down, Trampling, overuse, Garbage and solid waste, Other human induced changes in hydraulic conditions, Abandonment of pastoral systems lack of grazing, Forestry clearance, Invasive non-native species, Species composition change (succession), Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000428	Lough Melvin SAC	The known threats and pressures for this site relate to Fertilisation, Diffuse pollution to surface waters due to agricultural and forestry activities, Invasive non-native species, Removal of hedges and copses or scrub, Grazing, Forest and Plantation management & use. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000432	Barrigone SAC	The known threats and pressures for this site relate to Species composition change (succession), Abandonment of pastoral systems lack of grazing, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000439	Tory Hill SAC	The known threats and pressures for this site relate to Human induced changes in hydraulic conditions, Non intensive goat grazing, Infilling of ditches, dykes, ponds, pools, marshes or pits, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000440	Lough Ree SAC	The known threats and pressures for this site relate to Nautical sports, Invasive non-native species, Walking, horseriding and non-motorised vehicles, Piers or tourist harbours or recreational piers, Wildlife watching, Other siltation rate changes, Inundation (natural processes), Fertilisation, Hunting, Antagonism arising from introduction of species, Dispersed habitation, Grazing, Flooding modifications, Diffuse pollution to surface waters due to household sewage and waste waters, Thermal heating of water bodies, Diffuse groundwater pollution due to agricultural and forestry activities, Abandonment or lack of mowing , Leisure fishing, Forest and Plantation management & use. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000448	Fortwilliam Turlough SAC	The known threats and pressures for this site relate to Diffuse groundwater pollution due to agricultural and forestry activities, Groundwater abstractions for public water supply, Groundwater abstractions for agriculture, Wildlife watching, Intensive cattle grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000453	Carlingford Mountain SAC	The known threats and pressures for this site relate to Reduction or loss of specific habitat features, Off-road motorized driving, Abandonment of pastoral systems lack of grazing, Anthropogenic reduction of habitat connectivity, Problematic native species, No threats or pressures, Sport and leisure structures, Other outdoor sports and leisure activities, Genetic pollution (animals), Other human intrusions and disturbances, Competition (flora), Fire and fire suppression, Forest replanting, Forestry clearance, Non intensive grazing, Infilling of ditches, dykes, ponds, pools, marshes or pits, Communication masts and antennas, Invasive non-native species, Trampling, overuse. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000455	Dundalk Bay SAC	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Motorized nautical sports, Flooding, Erosion, Reclamation of land from sea, estuary or marsh, Competition (flora), Sport and leisure structures, Diffuse pollution to surface waters due to transport and infrastructure without connection to canalization or sweepers, Illegal taking or removal of marine fauna, Migration of species (natural newcomers), Disposal of inert materials, Diffuse groundwater pollution due to agricultural and forestry activities, Reduction or loss of specific habitat features, Flooding modifications, Infilling of ditches, dykes, ponds, pools, marshes or pits, Disposal of household or recreational facility waste, Soil pollution and solid waste (excluding discharges), Shallow surface abrasion or mechanical damage to seabed surface, Invasive non-native species, Wildlife watching, Pollution to surface waters (limnic & terrestrial, marine & brackish), Anthropogenic reduction of habitat connectivity, Sea defense or coast protection works, tidal barrages, Nitrogen-input, Garbage and solid waste, Biocenotic evolution, succession, Bait digging or collection. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000458	Killala Bay/Moy Estuary SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Skiing complex, Flooding and rising precipitations, Leisure fishing, Camping and caravans, Diffuse pollution to surface waters due to household sewage and waste waters, Flooding modifications, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000461	Ardkill Turlough SAC	The known threats and pressures for this site relate to Intensive cattle grazing, Fertilisation, Grazing, No threats or pressures, Agricultural intensification, Diffuse groundwater pollution due to agricultural and forestry activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000463	Balla Turlough SAC	The known threats and pressures for this site relate to Fertilisation, Hunting, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000466	Bellacorick Iron Flush SAC	The known threats and pressures for this site relate to Drying out, Paths, tracks, cycling tracks, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000470	Mullet/Blacksod Bay Complex SAC	The known threats and pressures for this site relate to Stock feeding, Fishing and harvesting aquatic resources, Outdoor sports and leisure activities, recreational activities, Removal of beach materials, Fertilisation, Loam and clay pits, No threats or pressures, Fences, fencing, Sea defense or coast protection works, tidal barrages, Intensive sheep grazing, Intensive cattle grazing, Agricultural intensification, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000471	Brackloon Woods SAC	The known threats and pressures for this site relate to Invasive non-native species, Forest and Plantation management & use. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000472	Broadhaven Bay SAC	The known threats and pressures for this site relate to Discharges, Benthic dredging, No threats or pressures, Removal of beach materials, Stock feeding, Estuarine and coastal dredging, Dykes, embankments, artificial beaches, general, Agricultural intensification, Marine and Freshwater Aquaculture, Intensive grazing, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000474	Ballymaglancy Cave, Cong SAC	The known threats and pressures for this site relate to Speleology, Outdoor sports and leisure activities, recreational activities, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000475	Carrowkeel Turlough SAC	The known threats and pressures for this site relate to Infilling of ditches, dykes, ponds, pools, marshes or pits, Grazing, Diffuse pollution to surface waters due to agricultural and forestry activities, No threats or pressures, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000476	Carrowmore Lake Complex SAC	The known threats and pressures for this site relate to Dispersed habitation, Invasive non-native species, Hand cutting of peat, Paths, tracks, cycling tracks, Mechanical removal of peat, Roads, motorways, Leisure fishing, Forest planting on open ground, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000479	Cloughmoyne SAC	The known threats and pressures for this site relate to Disposal of household or recreational facility waste, No threats or pressures, Sand and gravel extraction, Fertilisation, Restructuring agricultural land holding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000480	Clyard Kettle-holes SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Fertilisation, Removal of hedges and copses or scrub, No threats or pressures, Grazing, Canalisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000484	Cross Lough (Killadoon) SAC	The known threats and pressures for this site relate to Removal of beach materials, Abiotic (slow) natural processes, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000485	Corraun Plateau SAC	The known threats and pressures for this site relate to Grazing, Sand and gravel extraction, Invasive non-native species, Taking from nest (e.g. falcons), Disposal of household or recreational facility waste, Urbanised areas, human habitation, Sylviculture, forestry, Outdoor sports and leisure activities, recreational activities, Mining and quarrying. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000492	Doocastle Turlough SAC	The known threats and pressures for this site relate to Hunting, Fertilisation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000495	Duvillaun Islands SAC	The known threats and pressures for this site relate to No threats or pressures, Urbanised areas, human habitation, Utility and service lines, Fishing and harvesting aquatic resources, Noise nuisance, noise pollution, Slipways, Reconstruction, renovation of buildings, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000497	Flughany Bog SAC	The known threats and pressures for this site relate to Peat extraction, Fertilisation, Grazing, Roads, motorways, Improved access to site, Restructuring agricultural land holding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000500	Glenamoy Bog Complex SAC	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Roads, motorways, Fences, fencing, Mechanical removal of peat, Agricultural intensification, Forestry clearance, Disposal of household or recreational facility waste, Use of fertilizers (forestry), Intensive sheep grazing, Removal of beach materials, Trampling, overuse, Forest planting on open ground, Dykes, embankments, artificial beaches, general, Dispersed habitation, Hand cutting of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000503	Greaghans Turlough SAC	The known threats and pressures for this site relate to Diffuse pollution to surface waters due to agricultural and forestry activities, Stock feeding, Agricultural intensification, Grazing, No threats or pressures, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000504	Kilglassan/Cahera voostia Turlough Complex SAC	The known threats and pressures for this site relate to Mowing or cutting of grassland, Cultivation, Stock feeding, Fertilisation, No threats or pressures, Intensive cattle grazing, Diffuse groundwater pollution due to agricultural and forestry activities, Agricultural intensification, Diffuse pollution to surface waters due to agricultural and forestry activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000507	Inishkea Islands SAC	The known threats and pressures for this site relate to Reduction or loss of specific habitat features, Improved access to site, Reconstruction, renovation of buildings, Outdoor sports and leisure activities, recreational activities, Decline or extinction of species, Migration of species (natural newcomers), Predation, Competition (fauna), Intensive sheep grazing, Intensive mixed animal grazing, Camping and caravans. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000516	Lackan Saltmarsh and Kilcummin Head SAC	The known threats and pressures for this site relate to Motorised vehicles, Erosion, Removal of beach materials, Flooding modifications. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000522	Lough Gall Bog SAC	The known threats and pressures for this site relate to Grazing, Paths, tracks, cycling tracks, Disposal of household or recreational facility waste, Hand cutting of peat, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000525	Shrule Turlough SAC	The known threats and pressures for this site relate to Grazing, Restructuring agricultural land holding, Agricultural intensification, No threats or pressures, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000527	Moore Hall (Lough Carra) SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000532	Oldhead Wood SAC	The known threats and pressures for this site relate to Forest and Plantation management & use, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000534	Owenduff/Nephi n Complex SAC	The known threats and pressures for this site relate to Roads, motorways, Peat extraction, Fertilisation, Fire and fire suppression, Grazing, No threats or pressures, Sylviculture, forestry, Hunting, Leisure fishing, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000541	Skealaghan Turlough SAC	The known threats and pressures for this site relate to Grazing, Stock feeding, Diffuse groundwater pollution due to agricultural and forestry activities, No threats or pressures, Cultivation, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000542	Slieve Fyagh Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Hand cutting of peat, Grazing, Forest planting on open ground, Erosion, Roads, motorways, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000566	All Saints Bog and Esker SAC	The known threats and pressures for this site relate to Storage of materials, Management of aquatic and bank vegetation for drainage purposes, Disposal of inert materials, Disposal of household or recreational facility waste, Fertilisation, Peat extraction, Sand and gravel extraction , Grazing, Burning down, Other human induced changes in hydraulic conditions, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000571	Charleville Wood SAC	The known threats and pressures for this site relate to Predator control, Taking or Removal of terrestrial plants, general, Forest and Plantation management & use, Poaching, Outdoor sports and leisure activities, recreational activities, Wildlife watching, Walking, horseriding and non-motorised vehicles, Trapping, poisoning, poaching. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000572	Clara Bog SAC	The known threats and pressures for this site relate to Management of aquatic and bank vegetation for drainage purposes, Sand and gravel quarries, Stock feeding, Disposal of household or recreational facility waste, Peat extraction, Fertilisation, No threats or pressures, Other human induced changes in hydraulic conditions, Paths, tracks, cycling tracks, Abandonment of pastoral systems lack of grazing, Agricultural structures, buildings in the landscape, Burning down, Taking or Removal of terrestrial plants, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000575	Ferbane Bog SAC	The known threats and pressures for this site relate to No threats or pressures, Burning down, Restructuring agricultural land holding, Other human induced changes in hydraulic conditions, Agricultural intensification, Sand and gravel extraction , Disposal of household or recreational facility waste, Fertilisation, Species composition change (succession), Forest exploitation without replanting or natural regrowth, Disposal of inert materials, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000576	Fin Lough (Offaly) SAC	The known threats and pressures for this site relate to Disposal of inert materials, No threats or pressures, Biocenotic evolution, succession, Abandonment of pastoral systems lack of grazing, Burning down, Disposal of household or recreational facility waste, Drying out, Management of aquatic and bank vegetation for drainage purposes, Hunting, Silting up. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000580	Mongan Bog SAC	The known threats and pressures for this site relate to Peat extraction, Burning down, Disposal of household or recreational facility waste, Hunting, Stock feeding, Disposal of inert materials, Fertilisation, No threats or pressures, Other human induced changes in hydraulic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000581	Moyclare Bog SAC	The known threats and pressures for this site relate to Use of biocides, hormones and chemicals, Other human induced changes in hydraulic conditions, No threats or pressures, Disposal of inert materials, Hunting, Intensive goat grazing, Burning down, Peat extraction, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000582	Raheenmore Bog SAC	The known threats and pressures for this site relate to Agricultural intensification, Infilling of ditches, dykes, ponds, pools, marshes or pits, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000584	Cuilcagh - Anierin Uplands SAC	The known threats and pressures for this site relate to Peat extraction, Off-road motorized driving, Cultivation, Fire and fire suppression, Taking from nest (e.g. falcons), Missing or wrongly directed conservation measures, Sylviculture, forestry, Paths, tracks, cycling tracks, Artificial planting on open ground (non-native trees), Trampling, overuse, Fences, fencing, Intensive sheep grazing, Erosion, Intensive horse grazing, Roads, motorways, Garbage and solid waste, Forest replanting, Non intensive horse grazing, Walking, horseriding and non-motorised vehicles, Diffuse pollution to surface waters due to agricultural and forestry activities, Use of biocides, hormones and chemicals, Problematic native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000585	Sharavogue Bog SAC	The known threats and pressures for this site relate to Problematic native species, Other human induced changes in hydraulic conditions, Burning down, Forestry clearance, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000588	Ballinturly Turlough SAC	The known threats and pressures for this site relate to Hunting, Fertilisation, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000592	Bellanagare Bog SAC	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Disposal of household or recreational facility waste, Mechanical removal of peat, No threats or pressures, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000595	Callow Bog SAC	The known threats and pressures for this site relate to Flooding modifications, Mechanical removal of peat, Burning down, Sylviculture, forestry, Other human induced changes in hydraulic conditions, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000597	Carrowbehy/Caher Bog SAC	The known threats and pressures for this site relate to Disposal of household or recreational facility waste, Grazing, Modification of hydrographic functioning, general, Invasive non-native species, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000600	Cloonchambers Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Disposal of household or recreational facility waste, Grazing, Modification of hydrographic functioning, general, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000604	Derrinea Bog SAC	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Disposal of household or recreational facility waste, Grazing, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000606	Lough Fingall Complex SAC	The known threats and pressures for this site relate to Intensive grazing, Mining and quarrying, Diffuse groundwater pollution due to agricultural and forestry activities, Fertilisation, Disposal of household or recreational facility waste, Agricultural intensification, Abandonment of pastoral systems lack of grazing, Landfill, land reclamation and drying out, general, Non intensive cattle grazing, Infilling of ditches, dykes, ponds, pools, marshes or pits, Intensive cattle grazing, Stock feeding, Disposal of inert materials, Groundwater abstractions for public water supply, Modification of hydrographic functioning, general, Diffuse pollution to surface waters due to household sewage and waste waters. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000607	Errit Lough SAC	The known threats and pressures for this site relate to Other human intrusions and disturbances , No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000609	Lisduff Turlough SAC	The known threats and pressures for this site relate to Grazing, Fertilisation, Other human intrusions and disturbances . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000610	Lough Croan Turlough SAC	The known threats and pressures for this site relate to Grazing, Predator control, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000611	Lough Funshinagh SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Stock feeding, Predator control, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000612	Mullygollan Turlough SAC	The known threats and pressures for this site relate to Grazing, Fertilisation, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000614	Cloonshanville Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Flooding modifications, Sylviculture, forestry, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000622	Ballysadare Bay SAC	The known threats and pressures for this site relate to Erosion, Discontinuous urbanisation, Sea defense or coast protection works, tidal barrages, Bottom culture, Reclamation of land from sea, estuary or marsh, Trampling, overuse, Abandonment of pastoral systems lack of grazing, Fishing and harvesting aquatic resources, Invasive non-native species, Walking, horseriding and non-motorised vehicles, Golf course. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000623	Ben Bulben, Gleniff and Glenade Complex SAC	The known threats and pressures for this site relate to Collapse of terrain, landslide, Invasive non-native species, Off-road motorized driving, Paths, tracks, cycling tracks, No threats or pressures, Mechanical removal of peat, Erosion, Intensive sheep grazing, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000625	Bunduff Lough and Machair/Trawalua/Mullaghmore SAC	The known threats and pressures for this site relate to Intensive cattle grazing, Stock feeding, Fertilisation, Non intensive sheep grazing, Removal of hedges and copses or scrub, Sea defense or coast protection works, tidal barrages, Erosion, Infilling of ditches, dykes, ponds, pools, marshes or pits, Agricultural intensification, Walking, horseriding and non-motorised vehicles, Predator control. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000627	Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC	The known threats and pressures for this site relate to Trampling, overuse, Dispersed habitation, Off-road motorized driving, Intensive fish farming, intensification, Camping and caravans, Port areas, Shipping lanes, ports, marine constructions, Walking, horseriding and non-motorised vehicles, Sea defense or coast protection works, tidal barrages, Burning down, Invasive non-native species, Wildlife watching, Dumping, depositing of dredged deposits, Agricultural intensification, Disposal of inert materials, Golf course. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000633	Lough Hoe Bog SAC	The known threats and pressures for this site relate to No threats or pressures, Grazing, Burning down, Mechanical removal of peat, Forest planting on open ground, Wind energy production. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000634	Lough Nabrickeagh Bog SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Fertilisation, No threats or pressures, Dispersed habitation, Forest and Plantation management & use, Hand cutting of peat, Hunting, Fire and fire suppression, Abandonment or lack of mowing, Agricultural intensification. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000636	Templehouse and Cloonacleigha Loughs SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Non intensive cattle grazing, Invasive non-native species, Forest and Plantation management & use, Species composition change (succession), Dredging or removal of limnic sediments. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000637	Turloughmore (Sligo) SAC	The known threats and pressures for this site relate to No threats or pressures, Forest replanting, Agricultural intensification, Biocenotic evolution, succession. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000638	Union Wood SAC	The known threats and pressures for this site relate to Forest replanting (native trees), Invasive non-native species, Fences, fencing, Walking, horseriding and non-motorised vehicles, Forestry clearance, Grazing in forests or woodland. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000641	Ballyduff/Cloonfina ne Bog SAC	The known threats and pressures for this site relate to Fertilisation, Grazing, Fire and fire suppression, Improved access to site, Peat extraction, Cultivation, Mechanical removal of peat, Restructuring agricultural land holding, Mowing or cutting of grassland. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000646	Galtee Mountains SAC	The known threats and pressures for this site relate to Off-road motorized driving, Fire and fire suppression, Mountaineering & rock climbing, No threats or pressures, Walking, horseriding and non-motorised vehicles, Removal of hedges and copses or scrub, Siltation rate changes, dumping, depositing of dredged deposits, Intensive sheep grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000647	Kilcarren-Firville Bog SAC	The known threats and pressures for this site relate to Forest planting on open ground, Mowing or cutting of grassland, Restructuring agricultural land holding, Fertilisation, Fire and fire suppression, Grazing, Roads, motorways, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000665	Helvick Head SAC	The known threats and pressures for this site relate to Grazing, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000668	Nier Valley Woodlands SAC	The known threats and pressures for this site relate to Grazing, Invasive non-native species, No threats or pressures, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000671	Tramore Dunes and Backstrand SAC	The known threats and pressures for this site relate to Leisure fishing, Camping and caravans, Grazing, Discharges, Walking, horseriding and non-motorised vehicles, Removal of beach materials, Invasive non-native species, Hunting, Urbanised areas, human habitation, Bait digging or collection. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000679	Garriskil Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Problematic native species, Invasive non-native species, Non intensive cattle grazing, Burning down, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000685	Lough Ennell SAC	The known threats and pressures for this site relate to Pole fishing, Paths, tracks, cycling tracks, Non intensive mixed animal grazing, Modifying structures of inland water courses, Forestry clearance, Landfill, land reclamation and drying out, general, Intensive cattle grazing, Diffuse pollution to surface waters due to agricultural and forestry activities, Light pollution, Abandonment of pastoral systems lack of grazing, Point source or irregular noise pollution, Diffuse pollution to surface waters due to household sewage and waste waters, Competition (fauna), Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000688	Lough Owel SAC	The known threats and pressures for this site relate to Airports, flightpaths, Piers or tourist harbours or recreational piers, Landfill, land reclamation and drying out, general, No threats or pressures, Hunting, Surface water abstractions for public water supply, Diffuse pollution to surface waters due to agricultural and forestry activities, Other sport or leisure complexes, Outdoor sports and leisure activities, recreational activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000692	Scragh Bog SAC	The known threats and pressures for this site relate to Diffuse pollution to surface waters due to household sewage and waste waters, Fertilisation, Invasive non-native species, Paths, tracks, cycling tracks, Agriculture activities not referred to above. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000696	Ballyteige Burrow SAC	The known threats and pressures for this site relate to Biocenotic evolution, succession, Marine and Freshwater Aquaculture, Bait digging or collection, Discharges, Leisure fishing, Invasive non-native species, Non intensive grazing, Erosion, Off-road motorized driving, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000697	Bannow Bay SAC	The known threats and pressures for this site relate to Dumping, depositing of dredged deposits, Invasive non-native species, Removal of beach materials, Forest planting on open ground, Bait digging or collection, Off-road motorized driving, Erosion, Intensive fish farming, intensification , Removal of sediments (mud...), No threats or pressures, Disposal of household or recreational facility waste, Paths, tracks, cycling tracks, Discharges. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000700	Cahore Polders and Dunes SAC	The known threats and pressures for this site relate to Off-road motorized driving, Intensive mixed animal grazing, Abandonment or lack of mowing , Agriculture activities not referred to above, Grazing, Fertilisation, Biofuel-production, Walking, horseriding and non-motorised vehicles, Management of aquatic and bank vegetation for drainage purposes, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000704	Lady's Island Lake SAC	The known threats and pressures for this site relate to Off-road motorized driving, Abandonment of pastoral systems lack of grazing, Diffuse pollution to surface waters due to agricultural and forestry activities, Disposal of household or recreational facility waste, Invasive non-native species, Human induced changes in hydraulic conditions, No threats or pressures, Pollution to surface waters (limnic & terrestrial, marine & brackish), Discharges, Surface water abstractions for agriculture, Irrigation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000707	Saltee Islands SAC	The known threats and pressures for this site relate to Sea defense or coast protection works, tidal barrages, Pollution to surface waters (limnic & terrestrial, marine & brackish), Nautical sports, Pelagic trawling, Bait digging or collection, Non intensive grazing, Utility and service lines. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000708	Screen Hills SAC	The known threats and pressures for this site relate to Sand and gravel extraction , Problematic native species, Invasive non-native species, Biocenotic evolution, succession, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000709	Tacumshin Lake SAC	The known threats and pressures for this site relate to Silting up, Surface water abstractions for agriculture, Drying out, Abandonment of pastoral systems lack of grazing, Stock feeding, Wildlife watching, Removal of beach materials, Diffuse pollution to surface waters due to agricultural and forestry activities, Modifying structures of inland water courses, Irrigation, Human induced changes in hydraulic conditions, Disposal of household or recreational facility waste, Walking, horseriding and non-motorised vehicles, Off-road motorized driving, Species composition change (succession), Discharges, Sea defense or coast protection works, tidal barrages, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000710	Raven Point Nature Reserve SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Abandonment of pastoral systems lack of grazing, Biocenotic evolution, succession, No threats or pressures, Camping and caravans, Motorised vehicles, Forest and Plantation management & use, Drying out, Fire and fire suppression, Problematic native species, Burning down, Invasive non-native species, Garbage and solid waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000713	Ballyman Glen SAC	The known threats and pressures for this site relate to Grazing, Other point source pollution to surface water, Sand and gravel extraction , Fertilisation, Cultivation, Removal of hedges and copses or scrub, Continuous urbanisation, Roads, motorways, Disposal of household or recreational facility waste, Groundwater pollution by leakages from contaminated sites, Forest planting on open ground, Discontinuous urbanisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000714	Bray Head SAC	The known threats and pressures for this site relate to Burning down, Non intensive cattle grazing, Paths, tracks, cycling tracks, Removal of hedges and copses or scrub, Vandalism, Species composition change (succession), Erosion, Motorised vehicles, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000716	Carriggower Bog SAC	The known threats and pressures for this site relate to Non intensive horse grazing, Species composition change (succession), Dispersed habitation, Landfill, land reclamation and drying out, general, Raising the groundwater table or artificial recharge of groundwater, Forest planting on open ground, Abandonment of pastoral systems lack of grazing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000717	Deputy's Pass Nature Reserve SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Attraction park, Invasive non-native species, Sylviculture, forestry, Grazing, Grazing in forests or woodland, Forest replanting (native trees), Vandalism, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000719	Glen of the Downs SAC	The known threats and pressures for this site relate to Grazing, Invasive non-native species, Tree surgery, felling for public safety, removal of roadside trees, Golf course, Vandalism, Attraction park, Missing or wrongly directed conservation measures, Roads, motorways, Burning down, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000725	Knocksink Wood SAC	The known threats and pressures for this site relate to Tree surgery, felling for public safety, removal of roadside trees, Walking, horseriding and non-motorised vehicles, Removal of forest undergrowth, Roads, motorways, Grazing, Forest planting on open ground, Camping and caravans, Discontinuous urbanisation, Artificial planting on open ground (non-native trees), Disposal of household or recreational facility waste, Invasive non-native species, Vandalism, Interpretative centres, Improved access to site, Paths, tracks, cycling tracks, Missing or wrongly directed conservation measures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000729	Buckroneys-Brittans Dunes and Fen SAC	The known threats and pressures for this site relate to Fertilisation, Vandalism, Walking, horseriding and non-motorised vehicles, Human induced changes in hydraulic conditions, Discontinuous urbanisation, Stock feeding, Invasive non-native species, Removal of hedges and copses or scrub, Intensive cattle grazing, Trampling, overuse, Hunting, Non intensive mowing, Species composition change (succession), Diffuse groundwater pollution due to non-sewered population, Non intensive grazing, Camping and caravans, Airport, Fire and fire suppression, Erosion, Disposal of household or recreational facility waste, Golf course. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000733	Vale of Clara (Rathdrum Wood) SAC	The known threats and pressures for this site relate to Forest replanting (native trees), Dispersed habitation, Poaching, Invasive non-native species, Taking and removal of animals (terrestrial), Damage caused by game (excess population density), Use of biocides, hormones and chemicals (forestry), Collection (fungi, lichen, berries etc.), Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000764	Hook Head SAC	The known threats and pressures for this site relate to Erosion, Scuba diving, snorkelling, Fishing and harvesting aquatic resources, No threats or pressures, Dumping, depositing of dredged deposits. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000770	Blackstairs Mountains SAC	The known threats and pressures for this site relate to Discharges, Erosion, Off-road motorized driving, Forest and Plantation management & use, Intensive sheep grazing, Non intensive grazing, Walking, horseriding and non-motorised vehicles, Species composition change (succession), Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000781	Slaney River Valley SAC	The known threats and pressures for this site relate to Pollution to surface waters by industrial plants, Fertilisation, Bait digging or collection, Invasive non-native species, Removal of hedges and copses or scrub, Paths, tracks, cycling tracks, Surface water abstractions for agriculture, Siltation rate changes, dumping, depositing of dredged deposits, Water abstractions from surface waters, Diffuse pollution to surface waters due to household sewage and waste waters, Cultivation, Dykes and flooding defense in inland water systems, Human induced changes in hydraulic conditions, Erosion, Predator control, Forest and Plantation management & use, Discharges, Modifying structures of inland water courses, Bottom culture, Fishing harbours, Irrigation, Diffuse pollution to surface waters due to agricultural and forestry activities, Bridge, viaduct, Pollution to surface waters (limnic & terrestrial, marine & brackish), Storage of materials, Sand and gravel extraction . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000831	Cullahill Mountain SAC	The known threats and pressures for this site relate to Non intensive mowing, Abandonment of pastoral systems lack of grazing, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000849	Spahill and Clomantagh Hill SAC	The known threats and pressures for this site relate to Intensive grazing, Removal of hedges and copses or scrub, No threats or pressures, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000859	Clonaslee Eskers and Derry Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Garbage and solid waste, Modification of hydrographic functioning, general, Species composition change (succession), Non intensive horse grazing, Burning down, Dispersed habitation, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000869	Lisbigney Bog SAC	The known threats and pressures for this site relate to Disposal of inert materials, Abandonment of pastoral systems lack of grazing, Burning down, Disposal of household or recreational facility waste, No threats or pressures, Landfill, land reclamation and drying out, general, Species composition change (succession). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000919	Ridge Road, SW of Rapemills SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub, Fertilisation, Abandonment of pastoral systems lack of grazing, Species composition change (succession), Agricultural intensification, Intensive grazing, Stock feeding, Burning down, Roads, paths and railroads, Use of biocides, hormones and chemicals. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000925	The Long Derries, Edenderry SAC	The known threats and pressures for this site relate to Off-road motorized driving, Storage of materials, Roads, paths and railroads, Erosion, Abandonment of pastoral systems lack of grazing, No threats or pressures, Species composition change (succession). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000930	Clare Glen SAC	The known threats and pressures for this site relate to Forestry clearance, Outdoor sports and leisure activities, recreational activities, Removal of dead and dying trees, Invasive non-native species, Siltation rate changes, dumping, depositing of dredged deposits, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000934	Kilduff, Devilsbit Mountain SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Wildlife watching, Restructuring agricultural land holding, Garbage and solid waste, Taking from nest (e.g. falcons), Mountaineering & rock climbing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000939	Silvermine Mountains SAC	The known threats and pressures for this site relate to Habitat shifting and alteration, Non intensive cattle grazing, Intensive grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
000979	Corratirrim SAC	The known threats and pressures for this site relate to Forest replanting (non native trees), No threats or pressures, Use of biocides, hormones and chemicals, Stock feeding, Restructuring agricultural land holding, Missing or wrongly directed conservation measures, Problematic native species, Diffuse groundwater pollution due to agricultural and forestry activities, Removal of hedges and copses or scrub, Outdoor sports and leisure activities, recreational activities, Removal of stone walls and embankments, Invasive non-native species, Forest planting on open ground, Intensive goat grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000994	Ballyteige (Clare) SAC	The known threats and pressures for this site relate to Changes in abiotic conditions, Abandonment of pastoral systems lack of grazing, Abandonment or lack of mowing , Non intensive grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
000996	Ballyvaughan Turlough SAC	The known threats and pressures for this site relate to Dispersed habitation, Fertilisation, No threats or pressures, Removal of hedges and copses or scrub, Water abstractions from surface waters. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001013	Glenomra Wood SAC	The known threats and pressures for this site relate to Electricity and phone lines, Grazing in forests or woodland, Dispersed habitation, Forest and Plantation management & use, Tree surgery, felling for public safety, removal of roadside trees, Improved access to site, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001021	Carrowmore Point to Spanish Point and Islands SAC	The known threats and pressures for this site relate to Nautical sports, Fertilisation, Walking, horseriding and non-motorised vehicles, Leisure fishing, Sand and gravel extraction , Grazing, Silting up, Sea defense or coast protection works, tidal barrages, Hunting, fishing or collecting activities not referred to above. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001040	Barley Cove to Ballyrisode Point SAC	The known threats and pressures for this site relate to Abandonment of pastoral systems lack of grazing, Intensive mixed animal grazing, No threats or pressures, Stock feeding, Restructuring agricultural land holding, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001043	Cleanderry Wood SAC	The known threats and pressures for this site relate to No threats or pressures, Invasive non-native species, Non intensive sheep grazing, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001058	Great Island Channel SAC	The known threats and pressures for this site relate to Grazing, Eutrophication (natural), Fertilisation, Marine and Freshwater Aquaculture, Roads, motorways, Invasive non-native species, Urbanised areas, human habitation, Reclamation of land from sea, estuary or marsh. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001061	Kilkeran Lake and Castlefreke Dunes SAC	The known threats and pressures for this site relate to Off-road motorized driving, Diffuse pollution to surface waters due to agricultural and forestry activities, Non intensive horse grazing, Problematic native species, Paths, tracks, cycling tracks, Sand and gravel extraction , Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001070	Myross Wood SAC	The known threats and pressures for this site relate to Invasive non-native species, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001090	Ballyness Bay SAC	The known threats and pressures for this site relate to Taking or Removal of terrestrial plants, general, Removal of beach materials, Grazing, Discharges, Sports pitch, Urbanised areas, human habitation, Walking, horseriding and non-motorised vehicles, Marine and Freshwater Aquaculture, Leisure fishing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001107	Coolvoy Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Hand cutting of peat, Fire and fire suppression, Erosion, Restructuring agricultural land holding, Dispersed habitation, Roads, motorways, Accumulation of organic material, Discharges, Grazing, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001125	Dunragh Loughs/Pettigo Plateau SAC	The known threats and pressures for this site relate to Forestry activities not referred to above, Non intensive grazing, Forest and Plantation management & use, Invasive non-native species, Stock feeding, Off-road motorized driving. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001141	Gweedore Bay and Islands SAC	The known threats and pressures for this site relate to Camping and caravans, Dispersed habitation, No threats or pressures, Other discharges, Erosion, Sports pitch, Paths, tracks, cycling tracks, Walking, horseriding and non-motorised vehicles, Marine and Freshwater Aquaculture, Stock feeding, Grazing, Golf course, Fertilisation, Peat extraction, Sand and gravel extraction , Removal of beach materials, Hunting, fishing or collecting activities not referred to above, Airport. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001151	Kindrum Lough SAC	The known threats and pressures for this site relate to Piers or tourist harbours or recreational piers, No threats or pressures, Leisure fishing, Motorized nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001179	Muckish Mountain SAC	The known threats and pressures for this site relate to Accumulation of organic material, Sylviculture, forestry, Discharges, Paths, tracks, cycling tracks, Grazing, Dispersed habitation, Roads, motorways, Mechanical removal of peat, Hand cutting of peat, Erosion, Sand and gravel quarries. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001190	Sheephaven SAC	The known threats and pressures for this site relate to Stock feeding, Golf course, Forestry clearance, Motorized nautical sports, Outdoor sports and leisure activities, recreational activities, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001195	Termon Strand SAC	The known threats and pressures for this site relate to Disposal of inert materials, Diffuse pollution to surface waters due to agricultural and forestry activities, Erosion, No threats or pressures, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001197	Keeper Hill SAC	The known threats and pressures for this site relate to Communication masts and antennas, Off-road motorized driving, Regular motorized driving, No threats or pressures, Erosion, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001209	Glenasmole Valley SAC	The known threats and pressures for this site relate to Invasive non-native species, Non intensive sheep grazing, Grazing, Non intensive horse grazing, Peat extraction, Diffuse groundwater pollution due to non-sewered population, Abandonment or lack of mowing, Car parks and parking areas, Human induced changes in hydraulic conditions, Roads, paths and railroads, Fertilisation, Non intensive cattle grazing, Artificial planting on open ground (non-native trees), Leisure fishing, Mowing or cutting of grassland, Forest planting on open ground (native trees), Forest replanting (non native trees), Diffuse pollution to surface waters due to agricultural and forestry activities, Discontinuous urbanisation, Diffuse pollution to surface waters due to household sewage and waste waters, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001228	Aughrusbeg Machair and Lake SAC	The known threats and pressures for this site relate to Fences, fencing, Storm, cyclone, Piers or tourist harbours or recreational piers, Non intensive grazing, Invasive non-native species, Slipways, Burning down, Potting, Stock feeding, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001230	Courtmacsherry Estuary SAC	The known threats and pressures for this site relate to Estuarine and coastal dredging, Fertilisation, Nautical sports, Agriculture activities not referred to above, Bait digging or collection, Removal of beach materials, No threats or pressures, Disposal of household or recreational facility waste, Other outdoor sports and leisure activities, Other discharges. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001242	Carrownagappul Bog SAC	The known threats and pressures for this site relate to Game or bird breeding station, Burning down, Other human induced changes in hydraulic conditions, Raising the groundwater table or artificial recharge of groundwater, Water abstractions from groundwater. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001251	Cregduff Lough SAC	The known threats and pressures for this site relate to Abandonment or lack of mowing , Invasive non-native species, Non intensive mixed animal grazing, Surface water abstractions for public water supply. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001257	Dog's Bay SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Walking, horseriding and non-motorised vehicles, Non-motorized nautical sports, Trampling, overuse, Sea defense or coast protection works, tidal barrages, Off-road motorized driving, Fences, fencing, Intensive mixed animal grazing, Marine macro-pollution (i.e. plastic bags, styrofoam), Camping and caravans, Storm, cyclone. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001271	Gortnandarragh Limestone Pavement SAC	The known threats and pressures for this site relate to Invasive non-native species, Landfill, land reclamation and drying out, general, Peat extraction, Abandonment of pastoral systems lack of grazing, Non intensive mixed animal grazing, Paths, tracks, cycling tracks, Non intensive cattle grazing, Structures, buildings in the landscape, Intensive sheep grazing, Removal of hedges and copses or scrub, Non intensive goat grazing, Damage by herbivores (including game species), Roads, motorways. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001275	Inisheer Island SAC	The known threats and pressures for this site relate to Agricultural structures, buildings in the landscape, Agricultural intensification, Non intensive cattle grazing, Abandonment of pastoral systems lack of grazing, Problematic native species, Mining and extraction activities not referred to above, Removal of hedges and copses or scrub, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001285	Kiltiernan Turlough SAC	The known threats and pressures for this site relate to Roads, motorways, Modification of hydrographic functioning, general, Diffuse pollution to surface waters due to household sewage and waste waters, Fertilisation, Agricultural intensification, No threats or pressures, Diffuse groundwater pollution due to agricultural and forestry activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001309	Omey Island Machair SAC	The known threats and pressures for this site relate to Other sport or leisure complexes, Erosion, Sea defense or coast protection works, tidal barrages, Non intensive grazing, Off-road motorized driving, Fertilisation, Storm, cyclone, Walking, horseriding and non-motorised vehicles, Stock feeding, Predator control, Leisure fishing, Damage by herbivores (including game species), Trampling, overuse. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001311	Rusheenduff Lough SAC	The known threats and pressures for this site relate to Slipways, Potting, Inundation (natural processes), Storm, cyclone, Invasive non-native species, Erosion, Sea defense or coast protection works, tidal barrages, Non intensive grazing, Other sport or leisure complexes, Abandonment or lack of mowing . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001312	Ross Lake and Woods SAC	The known threats and pressures for this site relate to Fertilisation, Removal of hedges and copses or scrub, Other urbanisation, industrial and similar activities, Invasive non-native species, Abandonment of pastoral systems lack of grazing, Mines, Paths, tracks, cycling tracks, Grazing, Reconstruction, renovation of buildings, Sand and gravel extraction, Vandalism, Piers or tourist harbours or recreational piers, Flooding, Agricultural intensification, Pollution to surface waters (limnic & terrestrial, marine & brackish), Diffuse groundwater pollution due to agricultural and forestry activities, Forestry clearance, Diffuse pollution to surface waters due to household sewage and waste waters. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001313	Rosturra Wood SAC	The known threats and pressures for this site relate to Grazing, Grazing in forests or woodland, Sylviculture, forestry, Fire and fire suppression, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001321	Termon Lough SAC	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Disposal of inert materials, Diffuse groundwater pollution due to agricultural and forestry activities, Diffuse pollution to surface waters due to household sewage and waste waters, Removal of hedges and copses or scrub, Intensive cattle grazing, Fertilisation, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001342	Cloonee and Inchiquin Loughs, Uragh Wood SAC	The known threats and pressures for this site relate to Invasive non-native species, Grazing in forests or woodland, Disposal of household or recreational facility waste, Leisure fishing, Forest replanting (native trees), Damage by herbivores (including game species), Non intensive sheep grazing, Forestry clearance, Burning down, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001371	Mucksna Wood SAC	The known threats and pressures for this site relate to No threats or pressures, Tree surgery, felling for public safety, removal of roadside trees, Invasive non-native species, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001387	Ballynafagh Lake SAC	The known threats and pressures for this site relate to Grazing, Leisure fishing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001398	Rye Water Valley/Cartron SAC	The known threats and pressures for this site relate to Fertilisation, Grazing, Dispersed habitation, Roads, motorways, Removal of hedges and copses or scrub, Continuous urbanisation, Sylviculture, forestry, Modifying structures of inland water courses. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001403	Arroo Mountain SAC	The known threats and pressures for this site relate to Forest and Plantation management & use, Invasive non-native species, Mechanical removal of peat, Burning down, Hand cutting of peat, Erosion, Off-road motorized driving, Collapse of terrain, landslide, Non intensive sheep grazing, Sand and gravel quarries, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001430	Glen Bog SAC	The known threats and pressures for this site relate to No threats or pressures, Shooting, Human induced changes in hydraulic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001432	Glenstal Wood SAC	The known threats and pressures for this site relate to Species composition change (succession), Removal of forest undergrowth, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001459	Clogher Head SAC	The known threats and pressures for this site relate to Reduction or loss of specific habitat features, Piers or tourist harbours or recreational piers, Port areas, Non intensive grazing, Paths, tracks, cycling tracks, Reconstruction, renovation of buildings, Disposal of household or recreational facility waste, Sea defense or coast protection works, tidal barrages, Invasive non-native species, Fishing harbours, Professional passive fishing, Abandonment of pastoral systems lack of grazing, Sport and leisure structures, Storage of materials, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001482	Clew Bay Complex SAC	The known threats and pressures for this site relate to Port areas, Erosion, Walking, horseriding and non-motorised vehicles, Hunting, Fertilisation, Grazing, Utility and service lines, Flooding, Bridge, viaduct, Piers or tourist harbours or recreational piers, Motorized nautical sports, Non-motorized nautical sports, Leisure fishing, Intensive maintenance of public parks or cleaning of beaches, Storm, cyclone, Sylviculture, forestry, Wildlife watching, Urbanisation, residential and commercial development, Sand and gravel extraction, Nautical sports, Hunting, fishing or collecting activities not referred to above, Marine and Freshwater Aquaculture, Pollution, Restructuring agricultural land holding, Transportation and service corridors. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001497	Doogort Machair/Lough Doo SAC	The known threats and pressures for this site relate to Erosion, Walking, horseriding and non-motorised vehicles, Sport and leisure structures, Restructuring agricultural land holding, Grazing, Trampling, overuse, Camping and caravans, Storm, cyclone, Peat extraction, Other outdoor sports and leisure activities, Motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001501	Erris Head SAC	The known threats and pressures for this site relate to Fences, fencing, Hand cutting of peat, Improved access to site, Disposal of household or recreational facility waste, Shooting, Walking, horseriding and non-motorised vehicles, No threats or pressures, Loam and clay pits, Non intensive sheep grazing, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001513	Keel Machair/Menaun Cliffs SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Intensive maintenance of public parks or cleaning of beaches, Trampling, overuse, Fertilisation, Camping and caravans, Invasive non-native species, Mowing or cutting of grassland, Roads, motorways, Storm, cyclone, Golf course, Outdoor sports and leisure activities, recreational activities, Reduction or loss of specific habitat features, Erosion, Disposal of household or recreational facility waste, Habitat shifting and alteration, Human induced changes in hydraulic conditions, Intensive sheep grazing, Flooding, Regular motorized driving, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001529	Lough Cahasy, Lough Baun and Roonah Lough SAC	The known threats and pressures for this site relate to Abiotic (slow) natural processes, Removal of beach materials, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001536	Mocorha Lough SAC	The known threats and pressures for this site relate to Burning down, Fertilisation, Non intensive cattle grazing, Disposal of household or recreational facility waste, Grazing, Infilling of ditches, dykes, ponds, pools, marshes or pits, Hunting, Competition (flora), No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001547	Castletownshend SAC	The known threats and pressures for this site relate to Invasive non-native species, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001571	Urlaur Lakes SAC	The known threats and pressures for this site relate to Roads, motorways, Human induced changes in hydraulic conditions, Grazing, Mechanical removal of peat, Hand cutting of peat, Fertilisation, Leisure fishing, Dispersed habitation, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001625	Castlesampson Esker SAC	The known threats and pressures for this site relate to Grazing, Hand cutting of peat, Sand and gravel extraction, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001626	Annaghmore Lough (Roscommon) SAC	The known threats and pressures for this site relate to Modification of cultivation practices, Non intensive cattle grazing, Abandonment of pastoral systems lack of grazing, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001637	Four Roads Turlough SAC	The known threats and pressures for this site relate to Grazing, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001656	Bricklieve Mountains & Keishcorran SAC	The known threats and pressures for this site relate to Restructuring agricultural land holding, Paths, tracks, cycling tracks, Removal of hedges and copses or scrub, Agricultural intensification, Non intensive cattle grazing, Burning down, Intensive sheep grazing, Mechanical removal of peat, Hunting, fishing or collecting activities not referred to above. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001669	Knockalongy and Knockachree Cliffs SAC	The known threats and pressures for this site relate to No threats or pressures, Forest and Plantation management & use, Underground or submerged electricity and phone lines, Hunting, Intensive sheep grazing, Erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001673	Lough Arrow SAC	The known threats and pressures for this site relate to Sport and leisure structures, Piers or tourist harbours or recreational piers, Infilling of ditches, dykes, ponds, pools, marshes or pits, Invasive non-native species, No threats or pressures, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001680	Streedagh Point Dunes SAC	The known threats and pressures for this site relate to Nautical sports, No threats or pressures, Trampling, overuse, Off-road motorized driving, Sand and gravel quarries, Walking, horseriding and non-motorised vehicles, Camping and caravans. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001683	Liskeen Fen SAC	The known threats and pressures for this site relate to Fertilisation, Grazing, Invasive non-native species, Hand cutting of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001741	Kilmuckridge-Tinnaberna Sandhills SAC	The known threats and pressures for this site relate to Invasive non-native species, Abiotic (slow) natural processes, Paths, tracks, cycling tracks, Dispersed habitation, Other ecosystem modifications, Stock feeding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001742	Kilpatrick Sandhills SAC	The known threats and pressures for this site relate to Burning down, Species composition change (succession), Sea defense or coast protection works, tidal barrages, No threats or pressures, Outdoor sports and leisure activities, recreational activities, Disposal of household or recreational facility waste, Erosion, Off-road motorized driving, Problematic native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001757	Holdenstown Bog SAC	The known threats and pressures for this site relate to Suspended electricity and phone lines, Grazing, No threats or pressures, Cultivation, Human induced changes in hydraulic conditions, Infilling of ditches, dykes, ponds, pools, marshes or pits, Forest planting on open ground. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001766	Magherabeg Dunes SAC	The known threats and pressures for this site relate to Erosion, Diffuse pollution to surface waters via storm overflows or urban run-off, Non intensive grazing, Species composition change (succession), Missing or wrongly directed conservation measures, Walking, horseriding and non-motorised vehicles, Vandalism, Pollution to surface waters by industrial plants, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001774	Lough Carra/Mask Complex SAC	The known threats and pressures for this site relate to Pollution to surface waters (limnic & terrestrial, marine & brackish), No threats or pressures, Abandonment or lack of mowing . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001776	Pilgrim's Road Esker SAC	The known threats and pressures for this site relate to Intensive grazing, Use of biocides, hormones and chemicals, Disposal of inert materials, Fertilisation, Agricultural intensification, Species composition change (succession), Removal of hedges and copses or scrub, Stock feeding, Abandonment of pastoral systems lack of grazing, Roads, paths and railroads. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001786	Kilroosky Lough Cluster SAC	The known threats and pressures for this site relate to Leisure fishing, No threats or pressures, Pollution to surface waters (limnic & terrestrial, marine & brackish), Agricultural intensification, Invasive non-native species, Sport and leisure structures, Water abstractions from surface waters, Dispersed habitation, Disposal of inert materials. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001810	White Lough, Ben Loughs and Lough Doo SAC	The known threats and pressures for this site relate to Landfill, land reclamation and drying out, general, Agriculture activities not referred to above, Fertilisation, Abandonment of pastoral systems lack of grazing, Disposal of inert materials, Outdoor sports and leisure activities, recreational activities, Trapping, poisoning, poaching. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001818	Lough Forbes Complex SAC	The known threats and pressures for this site relate to Wildlife watching, Invasive non-native species, Diffuse groundwater pollution due to agricultural and forestry activities, Other human induced changes in hydraulic conditions, Abandonment of pastoral systems lack of grazing, Leisure fishing, Abandonment or lack of mowing , Hunting, Non intensive mowing, Groundwater abstractions for public water supply. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001831	Split Hills and Long Hill Esker SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Non intensive mixed animal grazing, Non intensive cattle grazing, Competition (flora), Species composition change (succession), Intensive cattle grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001847	Philipston Marsh SAC	The known threats and pressures for this site relate to Grazing, No threats or pressures, Fertilisation, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001858	Galmoy Fen SAC	The known threats and pressures for this site relate to No threats or pressures, Underground mining, Sylviculture, forestry, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001873	Derryclogher (Knockboy) Bog SAC	The known threats and pressures for this site relate to Non intensive sheep grazing, Small hydropower projects, weirs, Paths, tracks, cycling tracks, Burning down, Walking, horseriding and non-motorised vehicles, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001879	Glanmore Bog SAC	The known threats and pressures for this site relate to Non intensive cattle grazing, Burning down, No threats or pressures, Hand cutting of peat, Forest planting on open ground, Surface water abstractions for public water supply, Diffuse pollution to surface waters due to agricultural and forestry activities, Leisure fishing, Invasive non-native species, Water abstractions from groundwater, Diffuse pollution to surface waters due to household sewage and waste waters, Non intensive sheep grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001880	Meenaguse Scragh SAC	The known threats and pressures for this site relate to Roads, paths and railroads, Accumulation of organic material, No threats or pressures, Intensive sheep grazing, Erosion, Wind energy production. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001881	Maulagowna Bog SAC	The known threats and pressures for this site relate to No threats or pressures, Non intensive sheep grazing, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001890	Mullaghanish Bog SAC	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Communication masts and antennas, No threats or pressures, Structures, buildings in the landscape, Roads, motorways. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001898	Unshin River SAC	The known threats and pressures for this site relate to Agricultural intensification, Management of aquatic and bank vegetation for drainage purposes, Non intensive sheep grazing, Forest and Plantation management & use, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001899	Cloonakillina Lough SAC	The known threats and pressures for this site relate to Leisure fishing, Sylviculture, forestry, Fire and fire suppression, Grazing, Mowing or cutting of grassland. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001912	Glendree Bog SAC	The known threats and pressures for this site relate to Cultivation, Paths, tracks, cycling tracks, Sylviculture, forestry, Peat extraction, Off-road motorized driving, Forestry activities not referred to above, Forest planting on open ground, Erosion, Grazing, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001913	Sonnagh Bog SAC	The known threats and pressures for this site relate to Fire and fire suppression, Non intensive grazing, No threats or pressures, Stock feeding, Forest planting on open ground, Mechanical removal of peat, Use of fertilizers (forestry). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001919	Glenade Lough SAC	The known threats and pressures for this site relate to Invasive non-native species, Use of biocides, hormones and chemicals (forestry), Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001922	Bellacorick Bog Complex SAC	The known threats and pressures for this site relate to Hand cutting of peat, Forest planting on open ground, Industrial or commercial areas, Grazing, Roads, motorways, Electricity and phone lines, Invasive non-native species, Dispersed habitation, Hunting, Mechanical removal of peat, Improved access to site. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001926	East Burren Complex SAC	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Intensive grazing, Restructuring agricultural land holding, Diffuse groundwater pollution due to agricultural and forestry activities, Disposal of household or recreational facility waste, Fertilisation, Improved access to site, Stock feeding, Diffuse pollution to surface waters due to agricultural and forestry activities, Diffuse pollution to surface waters due to household sewage and waste waters, Species composition change (succession), Roads, motorways, Removal of hedges and copses or scrub, Non intensive grazing, Modification of cultivation practices, Paths, tracks, cycling tracks, Agriculture activities not referred to above, Abandonment of pastoral systems lack of grazing, Problematic native species, Diffuse groundwater pollution due to non-sewered population. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001932	Mweelrea/Sheeffry/Erriff Complex SAC	The known threats and pressures for this site relate to Agricultural intensification, No threats or pressures, Mechanical removal of peat, Fertilisation, Pollution to surface waters (limnic & terrestrial, marine & brackish), Intensive sheep grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
001952	Comeragh Mountains SAC	The known threats and pressures for this site relate to Grazing, Other urbanisation, industrial and similar activities, Sylviculture, forestry, Invasive non-native species, Peat extraction, Roads, motorways, Fire and fire suppression, Erosion, Walking, horseriding and non-motorised vehicles, Industrial or commercial areas. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001955	Croaghaun/Slieve more SAC	The known threats and pressures for this site relate to Invasive non-native species, Outdoor sports and leisure activities, recreational activities, Peat extraction, Restructuring agricultural land holding, Sand and gravel quarries, Paths, tracks, cycling tracks, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001957	Boyne Coast and Estuary SAC	The known threats and pressures for this site relate to Other human intrusions and disturbances , Storage of materials, Dykes, embankments, artificial beaches, general, Storm, cyclone, Vandalism, Paths, tracks, cycling tracks, Disposal of inert materials, Pollution to surface waters (limnic & terrestrial, marine & brackish), Urbanised areas, human habitation, Walking, horseriding and non-motorised vehicles, Disposal of household or recreational facility waste, Biocenotic evolution, succession, Bridge, viaduct, Interpretative centres, Off-road motorized driving, Human induced changes in hydraulic conditions, Removal of sediments (mud...), Invasive non-native species, Infilling of ditches, dykes, ponds, pools, marshes or pits, Sea defense or coast protection works, tidal barrages, Reduction, lack or prevention of erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001975	Ballyhoorisky Point to Fanad Head SAC	The known threats and pressures for this site relate to Restructuring agricultural land holding, No threats or pressures, Stock feeding, Removal of beach materials, Removal of sediments (mud...). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001976	Lough Gill SAC	The known threats and pressures for this site relate to No threats or pressures, Sylviculture, forestry, Removal of hedges and copses or scrub, Continuous urbanisation, Dispersed habitation, Invasive non-native species, Grazing in forests or woodland, Disposal of inert materials, Paths, tracks, cycling tracks, Management of aquatic and bank vegetation for drainage purposes, Motorized nautical sports, Modifying structures of inland water courses. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
001992	Tamur Bog SAC	The known threats and pressures for this site relate to Stock feeding, Invasive non-native species, Mechanical removal of peat, Burning down, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002005	Bellacragher Saltmarsh SAC	The known threats and pressures for this site relate to No threats or pressures, Grazing, Hunting, fishing or collecting activities not referred to above, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002006	Ox Mountains Bogs SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Wind energy production, Roads, motorways, Forest planting on open ground, Fire (natural), Improved access to site, Grazing, No threats or pressures, Hand cutting of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002008	Maumturk Mountains SAC	The known threats and pressures for this site relate to Non intensive cattle grazing, Forest replanting (non native trees), Fences, fencing, Hand cutting of peat, Bridge, viaduct, Artificial planting on open ground (non-native trees), Use of biocides, hormones and chemicals (forestry), Dispersed habitation, Intensive sheep grazing, Trampling, overuse, Paths, tracks, cycling tracks, Invasive non-native species, Diffuse pollution to surface waters due to agricultural and forestry activities, Mechanical removal of peat, Mountaineering, rock climbing, speleology, Forest planting on open ground (native trees), Other sport or leisure complexes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002010	Old Domestic Building (Keevagh) SAC	The known threats and pressures for this site relate to Decline or extinction of species, Grazing, Antagonism with domestic animals, Removal of hedges and copses or scrub, Reconstruction, renovation of buildings, Demolishment of buildings & human structures, No threats or pressures, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002012	North Inishowen Coast SAC	The known threats and pressures for this site relate to Interpretative centres, Non intensive cattle grazing, Removal of beach materials, Fishing harbours, Abandonment of pastoral systems lack of grazing, Outdoor sports and leisure activities, recreational activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002031	The Twelve Bens/Garraun Complex SAC	The known threats and pressures for this site relate to Dispersed habitation, Hand cutting of peat, Intensive sheep grazing, Non intensive cattle grazing, Burning down, Diffuse pollution to surface waters due to agricultural and forestry activities, Fences, fencing, Non intensive goat grazing, Mechanical removal of peat, Trampling, overuse, Bridge, viaduct, Walking, horseriding and non-motorised vehicles, Mountaineering, rock climbing, speleology, Forest replanting (non native trees), Invasive non-native species, Use of biocides, hormones and chemicals (forestry). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002032	Boleybrack Mountain SAC	The known threats and pressures for this site relate to Sylviculture, forestry, Parasitism (fauna), Abandonment of pastoral systems lack of grazing, Intensive sheep grazing, Burning down, Non intensive cattle grazing, Sand and gravel quarries, Forest planting on open ground, Walking, horseriding and non-motorised vehicles, Use of biocides, hormones and chemicals, Problematic native species, Surface water abstractions for public water supply, Taking from nest (e.g. falcons), Restructuring agricultural land holding, Non intensive sheep grazing, Mechanical removal of peat, Roads, paths and railroads, Forest and Plantation management & use, Wind energy production, Predator control, Pipe lines. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002034	Connemara Bog Complex SAC	The known threats and pressures for this site relate to Intensive sheep grazing, No threats or pressures, Mechanical removal of peat, Hand cutting of peat, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002036	Ballyhoura Mountains SAC	The known threats and pressures for this site relate to Fire and fire suppression, No threats or pressures, Outdoor sports and leisure activities, recreational activities, Off-road motorized driving, Artificial planting on open ground (non-native trees), Improved access to site, Wind energy production, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002037	Carrigeenamronety Hill SAC	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Fire and fire suppression, Artificial planting on open ground (non-native trees), No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002041	Old Domestic Building, Curraglass Wood SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002047	Cloghernagore Bog and Glenveagh National Park SAC	The known threats and pressures for this site relate to Use of biocides, hormones and chemicals, Leisure fishing, Peat extraction, Invasive non-native species, Hunting, Grazing, Sylviculture, forestry, Taking and removal of animals (terrestrial), Attraction park. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002070	Tralee Bay and Magharees Peninsula, West to Cloghane SAC	The known threats and pressures for this site relate to Other human intrusions and disturbances , Grazing, Sand and gravel extraction , Industrial or commercial areas, Fertilisation, Leisure fishing, Hunting, Interspecific floral relations, Disposal of household or recreational facility waste, Golf course, Sylviculture, forestry, Removal of hedges and copses or scrub, Marine and Freshwater Aquaculture, Dispersed habitation, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002074	Slyne Head Peninsula SAC	The known threats and pressures for this site relate to Sea defense or coast protection works, tidal barrages, Noise nuisance, noise pollution, Trampling, overuse, Camping and caravans, Off-road motorized driving, Dredging or removal of limnic sediments, Outdoor sports and leisure activities, recreational activities, Non-motorized nautical sports, Piers or tourist harbours or recreational piers, Walking, horseriding and non-motorised vehicles, Taking and removal of animals (terrestrial), Golf course, Paths, tracks, cycling tracks, Storm, cyclone, Dispersed habitation, Potting, Sand and gravel extraction , Burning down, Non intensive grazing, Invasive non-native species, Fishing and harvesting aquatic resources. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002081	Ballinafad SAC	The known threats and pressures for this site relate to Erosion, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002091	Newhall and Edenvale Complex SAC	The known threats and pressures for this site relate to Grazing, Vandalism. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002098	Old Domestic Building, Askive Wood SAC	The known threats and pressures for this site relate to Forest and Plantation management & use, Golf course, Dispersed habitation, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002110	Corliskea/Trien/Clonfolliv Bog SAC	The known threats and pressures for this site relate to Restructuring agricultural land holding, Other human induced changes in hydraulic conditions, Burning down, No threats or pressures, Mechanical removal of peat, Non intensive cattle grazing, Grazing, Water abstractions from groundwater. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002111	Kilkieran Bay and Islands SAC	The known threats and pressures for this site relate to No threats or pressures, Intensive sheep grazing, Intensive fish farming, intensification , Intensive cattle grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002112	Ballyseedy Wood SAC	The known threats and pressures for this site relate to Grazing, Roads, motorways, Dispersed habitation, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002117	Lough Coy SAC	The known threats and pressures for this site relate to Diffuse pollution to surface waters due to household sewage and waste waters, Diffuse groundwater pollution due to agricultural and forestry activities, No threats or pressures, Modification of hydrographic functioning, general, Acid rain, Disposal of inert materials, Removal of hedges and copses or scrub, Fertilisation, Infilling of ditches, dykes, ponds, pools, marshes or pits. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002118	Barnahallia Lough SAC	The known threats and pressures for this site relate to Intensive mixed animal grazing, Abandonment or lack of mowing , Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002119	Lough Nageeron SAC	The known threats and pressures for this site relate to Burning down, Non intensive mixed animal grazing, Surface water abstractions for public water supply, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002120	Lough Bane and Lough Glass SAC	The known threats and pressures for this site relate to Surface water abstractions for public water supply, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002121	Lough Lene SAC	The known threats and pressures for this site relate to Fertilisation, Diffuse pollution to surface waters due to household sewage and waste waters, Agriculture activities not referred to above, Abandonment of pastoral systems lack of grazing, No threats or pressures, Piers or tourist harbours or recreational piers. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002122	Wicklow Mountains SAC	The known threats and pressures for this site relate to Disposal of household or recreational facility waste, Invasive non-native species, Hunting and collection of wild animals (terrestrial), Paths, tracks, cycling tracks, Trampling, overuse, Mountaineering, rock climbing, speleology, Tree surgery, felling for public safety, removal of roadside trees, Urbanised areas, human habitation, Collapse of terrain, landslide, Grazing, Collection (fungi, lichen, berries etc.), Damage by herbivores (including game species), Wildlife watching, Off-road motorized driving, Erosion, Missing or wrongly directed conservation measures, Stock feeding, Outdoor sports and leisure activities, recreational activities, Peat extraction, Fences, fencing, Walking, horseriding and non-motorised vehicles, Non- intensive timber production (leaving dead wood or old trees untouched), Military manouvres, Burning down, Taking from nest (e.g. falcons), Grazing in forests or woodland, Vandalism. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002123	Ardmore Head SAC	The known threats and pressures for this site relate to Grazing, Netting, Roads, motorways, Walking, horseriding and non-motorised vehicles, Other human intrusions and disturbances , Fire and fire suppression, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002124	Bolingbrook Hill SAC	The known threats and pressures for this site relate to Forest and Plantation management & use, Paths, tracks, cycling tracks, No threats or pressures, Removal of hedges and copses or scrub, Fire and fire suppression, Missing or wrongly directed conservation measures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002125	Anglesey Road SAC	The known threats and pressures for this site relate to Fertilisation, Modification of cultivation practices, Sylviculture, forestry, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002126	Pollagoona Bog SAC	The known threats and pressures for this site relate to Other natural catastrophes, Forestry clearance, Human induced changes in hydraulic conditions, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002129	Murvey Machair SAC	The known threats and pressures for this site relate to Non intensive sheep grazing, Storm, cyclone, Trampling, overuse, Burning down, Damage by herbivores (including game species), Marine macro-pollution (i.e. plastic bags, styrofoam), Hunting, Off-road motorized driving, Erosion, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002130	Tully Lough SAC	The known threats and pressures for this site relate to Surface water abstractions for public water supply, Invasive non-native species, No threats or pressures, Roads, paths and railroads, Leisure fishing, Mechanical removal of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002135	Lough Nageage SAC	The known threats and pressures for this site relate to No threats or pressures, Forest and Plantation management & use, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002137	Lower River Suir SAC	The known threats and pressures for this site relate to Landfill, land reclamation and drying out, general, Sylviculture, forestry, Fertilisation, Discharges, Urbanised areas, human habitation, Reclamation of land from sea, estuary or marsh, Pollution to surface waters (limnic & terrestrial, marine & brackish), Dykes and flooding defense in inland water systems, Port areas, Cultivation, No threats or pressures, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002141	Mountmellick SAC	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Garbage and solid waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002144	Newport River SAC	The known threats and pressures for this site relate to Sylviculture, forestry, Peat extraction, Fertilisation, Restructuring agricultural land holding, Invasive non-native species, Leisure fishing, Non-motorized nautical sports, Fences, fencing, Dispersed habitation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002147	Lisduff Fen SAC	The known threats and pressures for this site relate to Management of aquatic and bank vegetation for drainage purposes, Abandonment of pastoral systems lack of grazing, Mining and quarrying, Use of biocides, hormones and chemicals, Disposal of household or recreational facility waste, Agricultural intensification, Disposal of inert materials, Fertilisation, No threats or pressures, Storage of materials. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002157	Newgrove House SAC	The known threats and pressures for this site relate to Dispersed habitation, Forest replanting (non native trees), Grazing, Removal of hedges and copses or scrub, Fences, fencing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002158	Kenmare River SAC	The known threats and pressures for this site relate to Fishing and harvesting aquatic resources, Pollution to surface waters (limnic & terrestrial, marine & brackish), Paths, tracks, cycling tracks, Fertilisation, Non intensive cattle grazing, Burning down, Marine and Freshwater Aquaculture, Invasive non-native species, Walking, horseriding and non-motorised vehicles, Marine water pollution, Nautical sports, Abandonment of pastoral systems lack of grazing, Non intensive grazing, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002159	Mulroy Bay SAC	The known threats and pressures for this site relate to Marine and Freshwater Aquaculture, No threats or pressures, Intensive fish farming, intensification , Diffuse pollution to surface waters due to household sewage and waste waters. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002161	Long Bank SAC	The known threats and pressures for this site relate to Benthic or demersal trawling, Potting, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002162	River Barrow and River Nore SAC	The known threats and pressures for this site relate to Peat extraction, Modifying structures of inland water courses, Invasive non-native species, Use of fertilizers (forestry), Dredging or removal of limnic sediments, Port areas, Water abstractions from surface waters, Industrial or commercial areas, Fishing and harvesting aquatic resources, Forestry activities not referred to above, Dykes and flooding defense in inland water systems, Netting, Forest and Plantation management & use, Pollution to surface waters (limnic & terrestrial, marine & brackish), Reduction in migration or migration barriers, Leisure fishing, Intensive fish farming, intensification , Sand and gravel quarries, Agricultural intensification, Erosion, Forest replanting (native trees), Intensive cattle grazing, Removal of hedges and copses or scrub, Human induced changes in hydraulic conditions, Changes in abiotic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002164	Lough Golagh and Breesy Hill SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Leisure fishing, Mechanical removal of peat, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002165	Lower River Shannon SAC	The known threats and pressures for this site relate to Polderisation, Nautical sports, Invasive non-native species, Air pollution, air-borne pollutants, Sea defense or coast protection works, tidal barrages, Leisure fishing, Reclamation of land from sea, estuary or marsh, Fertilisation, Urbanised areas, human habitation, Removal of beach materials, Sylviculture, forestry, Marine and Freshwater Aquaculture, Paths, tracks, cycling tracks, Hand cutting of peat, Eutrophication (natural), Discharges, Grazing, Hunting, Management of aquatic and bank vegetation for drainage purposes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002170	Blackwater River (Cork/Waterford) SAC	The known threats and pressures for this site relate to Leisure fishing, Disposal of household or recreational facility waste, Grazing, Urbanised areas, human habitation, Fertilisation, Invasive non-native species, Mowing or cutting of grassland, Nautical sports, Sylviculture, forestry, Roads, motorways, Railway lines, TGV, Landfill, land reclamation and drying out, general, Erosion, Sport and leisure structures, Sand and gravel extraction, Industrial or commercial areas. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002171	Bandon River SAC	The known threats and pressures for this site relate to No threats or pressures, Electricity and phone lines, Flooding modifications, Other outdoor sports and leisure activities, Discharges, Leisure fishing, Sand and gravel quarries, Forest and Plantation management & use. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002172	Blasket Islands SAC	The known threats and pressures for this site relate to Grazing, Interpretative centres. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002173	Blackwater River (Kerry) SAC	The known threats and pressures for this site relate to Dispersed habitation, Modification of cultivation practices, Roads, motorways, No threats or pressures, Grazing, Sylviculture, forestry, Mechanical removal of peat, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002176	Leannan River SAC	The known threats and pressures for this site relate to Pollution to groundwater (point sources and diffuse sources), Agricultural intensification, Mining and quarrying, Management of aquatic and bank vegetation for drainage purposes, Diffuse pollution to surface waters due to agricultural and forestry activities, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002177	Lough Dahybaun SAC	The known threats and pressures for this site relate to Peat extraction, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002179	Towerhill House SAC	The known threats and pressures for this site relate to Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002180	Gortacarnaun Wood SAC	The known threats and pressures for this site relate to Grazing in forests or woodland, Forest planting on open ground, Non-intensive timber production (leaving dead wood or old trees untouched), Invasive non-native species, Forest and Plantation management & use, Thinning of tree layer, Non intensive grazing, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002181	Drummin Wood SAC	The known threats and pressures for this site relate to Thinning of tree layer, Forestry clearance, Forest planting on open ground, Grazing in forests or woodland, Invasive non-native species, Forest and Plantation management & use, Non-intensive timber production (leaving dead wood or old trees untouched), Non-intensive grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002185	Slieve Mish Mountains SAC	The known threats and pressures for this site relate to Peat extraction, Sand and gravel quarries, Fire and fire suppression, Dispersed habitation, Grazing, Military manoeuvres, Restructuring agricultural land holding, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002187	Drongawn Lough SAC	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002189	Farranamanagh Lough SAC	The known threats and pressures for this site relate to Removal of beach materials, Wave exposure changes, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002193	Ireland's Eye SAC	The known threats and pressures for this site relate to Wildlife watching, Abandonment of pastoral systems lack of grazing, No threats or pressures, Nautical sports, Fire and fire suppression, Trampling, overuse, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002197	Derrinlough (Cloonkeenleana node) Bog SAC	The known threats and pressures for this site relate to Forestry clearance, Volcanic activity, Problematic native species, Other human induced changes in hydraulic conditions, Burning down, Invasive non-native species, Landfill, land reclamation and drying out, general, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002199	Ballygar (Aghrane) Bog SAC	The known threats and pressures for this site relate to Problematic native species, Invasive non-native species, Forestry clearance, Burning down, Other human induced changes in hydraulic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002200	Aughrim (Aghrane) Bog SAC	The known threats and pressures for this site relate to Problematic native species, Forestry clearance, Invasive non-native species, Other human induced changes in hydraulic conditions, Suppression of natural fires, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002201	Derragh Bog SAC	The known threats and pressures for this site relate to Problematic native species, Burning down, Other human induced changes in hydraulic conditions, Forestry clearance, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002202	Mount Jessop Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Problematic native species, Forestry clearance, Invasive non-native species, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002203	Girley (Drewstown) Bog SAC	The known threats and pressures for this site relate to Invasive non-native species, Other human induced changes in hydraulic conditions, Landfill, land reclamation and drying out, general, Forestry clearance, Problematic native species, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002205	Wooddown Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Forestry clearance, Invasive non-native species, Burning down, Problematic native species, Landfill, land reclamation and drying out, general, Hand cutting of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002206	Scohaboy (Sopwell) Bog SAC	The known threats and pressures for this site relate to Invasive non-native species, Landfill, land reclamation and drying out, general, Other human induced changes in hydraulic conditions, Peat extraction, Suppression of natural fires, Mechanical removal of peat, Problematic native species, Fire and fire suppression, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002207	Arragh More (Derrybreen) Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, Invasive non-native species, Problematic native species, Burning down, Mechanical removal of peat, Forestry clearance, Landfill, land reclamation and drying out, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002213	Glenloughaun Esker SAC	The known threats and pressures for this site relate to Intensive horse grazing, Grazing, Forest planting on open ground (native trees), Problematic native species, Agricultural intensification, Fertilisation, Abandonment of pastoral systems lack of grazing, Sand and gravel extraction . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002214	Killeglan Grassland SAC	The known threats and pressures for this site relate to Landfill, land reclamation and drying out, general, Grazing, Intensive sheep grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002236	Island Fen SAC	The known threats and pressures for this site relate to Intensive grazing, Roads, paths and railroads, Burning down, No threats or pressures, Mining and quarrying, Abandonment of pastoral systems lack of grazing, Species composition change (succession), Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002241	Lough Derg, North-East Shore SAC	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Eutrophication (natural), Fertilisation, Wildlife watching, Piers or tourist harbours or recreational piers, Invasive non-native species, Diffuse pollution to surface waters due to household sewage and waste waters, Removal of hedges and copses or scrub, Human induced changes in hydraulic conditions, Management of aquatic and bank vegetation for drainage purposes, Pollution to surface waters (limnic & terrestrial, marine & brackish), Intensive grazing, Flooding and rising precipitations, Infilling of ditches, dykes, ponds, pools, marshes or pits, Paths, tracks, cycling tracks, Forest replanting (native trees), Non intensive mixed animal grazing, Mining and quarrying, Temperature changes (e.g. rise of temperature & extremes), Droughts and less precipitations, Problematic native species, Species composition change (succession). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002243	Clare Island Cliffs SAC	The known threats and pressures for this site relate to No threats or pressures, Collapse of terrain, landslide. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002244	Ardrahan Grassland SAC	The known threats and pressures for this site relate to Abandonment of pastoral systems lack of grazing, Roads, paths and railroads, Non intensive cattle grazing, Structures, buildings in the landscape, Disposal of inert materials, Removal of hedges and copses or scrub, Intensive horse grazing, Stock feeding, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002245	Old Farm Buildings, Ballymacrogan SAC	The known threats and pressures for this site relate to Dispersed habitation, Removal of hedges and copses or scrub, Interspecific faunal relations, Grazing, Removal of stone walls and embankments, Agricultural structures, buildings in the landscape. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002246	Ballycullinan, Old Domestic Building SAC	The known threats and pressures for this site relate to Non intensive mixed animal grazing, Demolishment of buildings & human structures , Removal of hedges and copses or scrub, Other human intrusions and disturbances . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002247	Toonagh Estate SAC	The known threats and pressures for this site relate to Dispersed habitation, Problematic native species, Grazing, Removal of hedges and copses or scrub, Reconstruction, renovation of buildings. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002249	The Murrough Wetlands SAC	The known threats and pressures for this site relate to Sylviculture, forestry, Paths, tracks, cycling tracks, Fertilisation, Railway lines, TGV, Sea defense or coast protection works, tidal barrages, Sand and gravel extraction , Modification of water flow (tidal & marine currents), Grazing, Disposal of industrial waste, Erosion, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002250	Carrowmore Dunes SAC	The known threats and pressures for this site relate to Hunting, fishing or collecting activities not referred to above, Stock feeding, Sand and gravel extraction , Nautical sports, Grazing, Fertilisation, Erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002252	Thomastown Quarry SAC	The known threats and pressures for this site relate to Urbanised areas, human habitation, Abandonment of pastoral systems lack of grazing, No threats or pressures, Competition (flora). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002256	Ballyprior Grassland SAC	The known threats and pressures for this site relate to Fertilisation, Grazing, Restructuring agricultural land holding, Mowing or cutting of grassland, Forest replanting, Paths, tracks, cycling tracks, Removal of hedges and copses or scrub. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002257	Moanour Mountain SAC	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002258	Silvermines Mountains West SAC	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Non intensive horse grazing, Motorised vehicles, Mines, No threats or pressures, Walking, horseriding and non-motorised vehicles, Fire and fire suppression, Non intensive goat grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002259	Tory Island Coast SAC	The known threats and pressures for this site relate to Roads, motorways, Cultivation, Human induced changes in hydraulic conditions, Erosion, Grazing, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002261	Magharee Islands SAC	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002262	Valencia Harbour/Portmagee Channel SAC	The known threats and pressures for this site relate to Sea defense or coast protection works, tidal barrages, Other human intrusions and disturbances , Marine and Freshwater Aquaculture, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002263	Kerry Head Shoal SAC	The known threats and pressures for this site relate to Leisure fishing, Hunting, fishing or collecting activities not referred to above. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002264	Kilkee Reefs SAC	The known threats and pressures for this site relate to Nautical sports, No threats or pressures, Other human intrusions and disturbances , Leisure fishing, Sea defense or coast protection works, tidal barrages. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002265	Kingstown Bay SAC	The known threats and pressures for this site relate to Piers or tourist harbours or recreational piers, No threats or pressures, Potting, Burning down. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002268	Achill Head SAC	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Hunting, fishing or collecting activities not referred to above, Other human intrusions and disturbances , Invasive non-native species, Leisure fishing, Trampling, overuse, Pelagic trawling, Fishing and harvesting aquatic resources, Wildlife watching, Storm, cyclone. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002269	Carnsore Point SAC	The known threats and pressures for this site relate to Erosion, Discharges, Benthic or demersal trawling, Potting, Removal of beach materials, Leisure fishing, Netting, Bait digging or collection, Fishing and harvesting aquatic resources, No threats or pressures, Piers or tourist harbours or recreational piers. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002274	Wicklow Reef SAC	The known threats and pressures for this site relate to Dumping, depositing of dredged deposits, Benthic or demersal trawling, Potting, Netting, Scuba diving, snorkelling, Benthic dredging, Date mussel-fishing, Leisure fishing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002279	Askeaton Fen Complex SAC	The known threats and pressures for this site relate to Dispersed habitation, No threats or pressures, Fertilisation, Pollution to groundwater (point sources and diffuse sources), Fire and fire suppression, Removal of hedges and copses or scrub, Reclamation of land from sea, estuary or marsh. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002280	Dunbeacon Shingle SAC	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002281	Reen Point Shingle SAC	The known threats and pressures for this site relate to Wave exposure changes , No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002283	Rutland Island and Sound SAC	The known threats and pressures for this site relate to Grazing, Shipping lanes, Removal of sediments (mud...), Nautical sports, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002287	Lough Swilly SAC	The known threats and pressures for this site relate to Continuous urbanisation, Pollution to surface waters (limnic & terrestrial, marine & brackish), Benthic dredging, Human induced changes in hydraulic conditions, Marine and Freshwater Aquaculture, Fishing and harvesting aquatic resources, No threats or pressures, Outdoor sports and leisure activities, recreational activities, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002293	Carrowbaun, Newhall and Ballylee Turloughs SAC	The known threats and pressures for this site relate to Management of aquatic and bank vegetation for drainage purposes, Roads, paths and railroads, Disposal of inert materials, Flooding, Reconstruction, renovation of buildings, Diffuse pollution to surface waters due to household sewage and waste waters, Diffuse groundwater pollution due to agricultural and forestry activities, Removal of hedges and copses or scrub, Fertilisation, Agricultural intensification, Disposal of household or recreational facility waste, Infilling of ditches, dykes, ponds, pools, marshes or pits, Modification of hydrographic functioning, general, Demolishment of buildings & human structures . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002294	Cahermore Turlough SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub, Diffuse pollution to surface waters due to household sewage and waste waters, Disposal of inert materials, Fertilisation, Agricultural intensification, Diffuse groundwater pollution due to agricultural and forestry activities, Flooding, Infilling of ditches, dykes, ponds, pools, marshes or pits, Modification of hydrographic functioning, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002295	Ballinduff Turlough SAC	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Fertilisation, Removal of hedges and copses or scrub, No threats or pressures, Disposal of inert materials, Agricultural intensification, Diffuse pollution to surface waters due to household sewage and waste waters, Diffuse groundwater pollution due to agricultural and forestry activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002296	Williamstown Turloughs SAC	The known threats and pressures for this site relate to Diffuse pollution to surface waters due to agricultural and forestry activities, Water abstractions from groundwater, Diffuse groundwater pollution due to non-sewered population, Other human induced changes in hydraulic conditions, Sand and gravel quarries, Mechanical removal of peat, Urbanised areas, human habitation, No threats or pressures, Restructuring agricultural land holding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002298	River Moy SAC	The known threats and pressures for this site relate to Leisure fishing, Predator control, Taking and removal of animals (terrestrial), Diffuse pollution to surface waters due to agricultural and forestry activities, Flooding modifications, Forest planting on open ground, Invasive non-native species, Use of fertilizers (forestry), Aerodrome, heliport, Peat extraction, Agricultural intensification. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002299	River Boyne and River Blackwater SAC	The known threats and pressures for this site relate to Other discharges, Removal of hedges and copses or scrub, Pollution to surface waters (limnic & terrestrial, marine & brackish), Industrial or commercial areas, Invasive non-native species, Human induced changes in hydraulic conditions, Artificial planting on open ground (non-native trees), Stock feeding, Outdoor sports and leisure activities, recreational activities, Other human intrusions and disturbances, Other human induced changes in hydraulic conditions, Other patterns of habitation, Mowing or cutting of grassland, Modifying structures of inland water courses, Roads, motorways, Sand and gravel extraction, Siltation rate changes, dumping, depositing of dredged deposits, Use of biocides, hormones and chemicals, Tree surgery, felling for public safety, removal of roadside trees, Fertilisation, Bridge, viaduct, Storage of materials, Cultivation, Disposal of industrial waste, Management of aquatic and bank vegetation for drainage purposes, Other sport or leisure complexes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002301	River Finn SAC	The known threats and pressures for this site relate to Forestry clearance, Structures, buildings in the landscape, Hand cutting of peat, Forest replanting (native trees), Sand and gravel extraction, Diffuse pollution to surface waters due to agricultural and forestry activities, Intensive grazing, Erosion, Poaching, Disposal of household or recreational facility waste, Modification of hydrographic functioning, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002303	Dunmuckrum Turloughs SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub, Biocenotic evolution, succession, Fertilisation, Agricultural intensification, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002306	Carlingford Shore SAC	The known threats and pressures for this site relate to Suspension culture, Marine and Freshwater Aquaculture, Illegal taking or removal of marine fauna, Bottom culture, No threats or pressures, Hand raking, Leisure fishing, Pollution to surface waters by industrial plants, Hunting, Fishing and harvesting aquatic resources, Nautical sports, Hunting, fishing or collecting activities not referred to above, Other (i.e. drift nets), Other human intrusions and disturbances, Regular motorized driving, Pollution to surface waters (limnic & terrestrial, marine & brackish), Motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002312	Slieve Bernagh Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Landfill, land reclamation and drying out, general, Abandonment of pastoral systems lack of grazing, Walking, horseriding and non-motorised vehicles, Off-road motorized driving, Fire and fire suppression, Grazing, Forest and Plantation management & use, Paths, tracks, cycling tracks, Sand and gravel extraction , Trampling, overuse. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002313	Ballymore Fen SAC	The known threats and pressures for this site relate to Non intensive mowing, Fertilisation, Problematic native species, Other point source pollution to surface water, Non intensive mixed animal grazing, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002314	Old Domestic Buildings, Rylane SAC	The known threats and pressures for this site relate to Forestry clearance, Grazing, Forest planting on open ground (native trees), Removal of hedges and copses or scrub, Demolishment of buildings & human structures . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002315	Glanlough Woods SAC	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002316	Ratty River Cave SAC	The known threats and pressures for this site relate to Demolishment of buildings & human structures , Removal of hedges and copses or scrub, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002317	Cregg House Stables, Crusheen SAC	The known threats and pressures for this site relate to No threats or pressures, Reconstruction, renovation of buildings. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002318	Knockanira House SAC	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002319	Kilkishen House SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub, Grazing, Demolishment of buildings & human structures . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002320	Kildun Souterrain SAC	The known threats and pressures for this site relate to Roads, motorways, No threats or pressures, Light pollution, Recreational cave visits , Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002324	Glendine Wood SAC	The known threats and pressures for this site relate to Sylviculture, forestry, Reduced fecundity or genetic depression, Roads, motorways, Dispersed habitation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002331	Mouds Bog SAC	The known threats and pressures for this site relate to Industrial or commercial areas, Grazing, Cultivation, Mechanical removal of peat, Invasive non-native species, Sylviculture, forestry, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002332	Coolrain Bog SAC	The known threats and pressures for this site relate to Garbage and solid waste, Modification of hydrographic functioning, general, Burning down, Sylviculture, forestry, Mechanical removal of peat, Landfill, land reclamation and drying out, general, Other human induced changes in hydraulic conditions, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002333	Knockacoller Bog SAC	The known threats and pressures for this site relate to Burning down, Other human induced changes in hydraulic conditions, Non intensive horse grazing, Biocenotic evolution, succession, Mining and quarrying. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002336	Carn Park Bog SAC	The known threats and pressures for this site relate to Introduced genetic material, GMO, Mechanical removal of peat, Landfill, land reclamation and drying out, general, Forestry clearance, Invasive non-native species, Paths, tracks, cycling tracks, Modification of hydrographic functioning, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002337	Crosswood Bog SAC	The known threats and pressures for this site relate to Invasive non-native species, Stock feeding, Paths, tracks, cycling tracks, Modification of hydrographic functioning, general, Landfill, land reclamation and drying out, general, Fire and fire suppression, Disposal of household or recreational facility waste, Mechanical removal of peat, Introduced genetic material, GMO, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002338	Drumalough Bog SAC	The known threats and pressures for this site relate to No threats or pressures, Invasive non-native species, Modification of hydrographic functioning, general, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002339	Ballynamona Bog and Corkip Lough SAC	The known threats and pressures for this site relate to Removal of hedges and copses or scrub, Disposal of household or recreational facility waste, Grazing, Modification of hydrographic functioning, general, Landfill, land reclamation and drying out, general, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002340	Moneybeg and Clareisland Bogs SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Invasive non-native species, Other human induced changes in hydraulic conditions, Hunting, Burning down, Other sport or leisure complexes, Disposal of household or recreational facility waste, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002341	Ardagullion Bog SAC	The known threats and pressures for this site relate to Other human induced changes in hydraulic conditions, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002342	Mount Hevey Bog SAC	The known threats and pressures for this site relate to Introduced genetic material, GMO, Modification of hydrographic functioning, general, Landfill, land reclamation and drying out, general, Canalisation & water deviation, Paths, tracks, cycling tracks, Mechanical removal of peat, Railway lines, TGV, Disposal of household or recreational facility waste, Parasitism (flora), Forestry clearance, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002343	Tullaheer Lough and Bog SAC	The known threats and pressures for this site relate to Fertilisation, Mowing or cutting of grassland, Hand cutting of peat, Grazing, Roads, motorways, Fire and fire suppression, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002346	Brown Bog SAC	The known threats and pressures for this site relate to Drying out, Other human induced changes in hydraulic conditions, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002347	Camderry Bog SAC	The known threats and pressures for this site relate to Burning down, Restructuring agricultural land holding, Mechanical removal of peat, Forestry clearance, Raising the groundwater table or artificial recharge of groundwater, Non intensive sheep grazing, Other human induced changes in hydraulic conditions, Agricultural intensification, Water abstractions from groundwater. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002348	Clooneen Bog SAC	The known threats and pressures for this site relate to Irrigation, Non intensive cattle grazing, Mechanical removal of peat, Mowing or cutting of grassland. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002349	Corbo Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, No threats or pressures, Other human induced changes in hydraulic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002350	Curraghlehanagh Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Water abstractions from groundwater, Burning down, Other human induced changes in hydraulic conditions, Raising the groundwater table or artificial recharge of groundwater, Non intensive sheep grazing, Forestry clearance. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002351	Moanveanlagh Bog SAC	The known threats and pressures for this site relate to Grazing, No threats or pressures, Fire and fire suppression, Disposal of household or recreational facility waste, Invasive non-native species, Cultivation, Peat extraction, Landfill, land reclamation and drying out, general, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002352	Monivea Bog SAC	The known threats and pressures for this site relate to Disposal of inert materials, Management of aquatic and bank vegetation for drainage purposes, Water abstractions from groundwater, Other human induced changes in hydraulic conditions, Mechanical removal of peat, No threats or pressures, Artificial planting on open ground (non-native trees), Burning down, Invasive non-native species, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002353	Redwood Bog SAC	The known threats and pressures for this site relate to Peat extraction, Cultivation, Paths, tracks, cycling tracks, No threats or pressures, Roads, motorways, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002354	Tullaghanrock Bog SAC	The known threats and pressures for this site relate to Non intensive cattle grazing, Flooding modifications, No threats or pressures, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002356	Ardgraique Bog SAC	The known threats and pressures for this site relate to Mechanical removal of peat, Other human induced changes in hydraulic conditions, No threats or pressures, Agricultural intensification, Disposal of household or recreational facility waste, Water abstractions from surface waters, Water abstractions from groundwater, Disposal of inert materials, Burning down, Forest replanting (non native trees). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002953	Blackwater Bank SAC	The known threats and pressures for this site relate to No threats or pressures, Professional passive fishing , Potting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002998	West Connacht Coast SAC	The known threats and pressures for this site relate to Fishing and harvesting aquatic resources, Noise nuisance, noise pollution, No threats or pressures, Disposal of household or recreational facility waste, Discharges, Marine water pollution, Shipping lanes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
002999	Hempton's Turbot Bank SAC	The known threats and pressures for this site relate to No threats or pressures, Pelagic trawling, Erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
003000	Rockabill to Dalkey Island SAC	The known threats and pressures for this site relate to Utility and service lines, Shipping lanes, Siltation rate changes, dumping, depositing of dredged deposits, Removal of sediments (mud...), No threats or pressures, Professional active fishing, Noise nuisance, noise pollution, Discharges. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004002	Saltee Islands SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004003	Puffin Island SPA	The known threats and pressures for this site relate to No threats or pressures, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004004	Inishkea Islands SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, No threats or pressures, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004005	Cliffs of Moher SPA	The known threats and pressures for this site relate to Interpretative centres, Noise nuisance, noise pollution, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004006	North Bull Island SPA	The known threats and pressures for this site relate to Nautical sports, Industrial or commercial areas, Bridge, viaduct, Golf course, Shipping lanes, Interpretative centres, Walking, horseriding and non-motorised vehicles, Bait digging or collection, Other patterns of habitation, Continuous urbanisation, Roads, motorways, Discharges. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004007	Skelligs SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004008	Blasket Islands SPA	The known threats and pressures for this site relate to Dispersed habitation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004009	Lady's Island Lake SPA	The known threats and pressures for this site relate to Fertilisation, Predation, Hunting, Walking, horseriding and non-motorised vehicles, Nautical sports, Pollution, Removal of beach materials. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004013	Drumcliff Bay SPA	The known threats and pressures for this site relate to Dispersed habitation, Grazing, Marine and Freshwater Aquaculture, Walking, horseriding and non-motorised vehicles, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004014	Rockabill SPA	The known threats and pressures for this site relate to Nautical sports, Other forms of transportation and communication. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004015	Rogerstown Estuary SPA	The known threats and pressures for this site relate to Nautical sports, Dispersed habitation, Grazing, Fertilisation, Invasive non-native species, Landfill, land reclamation and drying out, general, Bait digging or collection, Disposal of household or recreational facility waste, Disposal of industrial waste, Golf course, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004016	Baldoyle Bay SPA	The known threats and pressures for this site relate to Bait digging or collection, Walking, horseriding and non-motorised vehicles, Hunting, Invasive non-native species, Urbanised areas, human habitation, Reclamation of land from sea, estuary or marsh, Roads, motorways, Eutrophication (natural), Golf course, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004017	Mongan Bog SPA	The known threats and pressures for this site relate to Peat extraction, Improved access to site, Grazing, Sand and gravel extraction . There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004019	The Raven SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Sylviculture, forestry, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004020	Ballyteigue Burrow SPA	The known threats and pressures for this site relate to Grazing, Urbanised areas, human habitation, Dispersed habitation, Leisure fishing, Cultivation, Walking, horseriding and non-motorised vehicles, Fertilisation, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004021	Old Head of Kinsale SPA	The known threats and pressures for this site relate to Golf course, Outdoor sports and leisure activities, recreational activities. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004022	Ballycotton Bay SPA	The known threats and pressures for this site relate to Urbanised areas, human habitation, Fertilisation, Reclamation of land from sea, estuary or marsh, Erosion, Grazing, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004023	Ballymacoda Bay SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles, Invasive non-native species, Fertilisation, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004024	South Dublin Bay and Tolka Estuary SPA	The known threats and pressures for this site relate to Leisure fishing, Nautical sports, Roads, motorways, Reclamation of land from sea, estuary or marsh, Industrial or commercial areas, Walking, horseriding and non-motorised vehicles, Bait digging or collection, Urbanised areas, human habitation, Eutrophication (natural), Discharges. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004025	Broadmeadow/S words Estuary SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Railway lines, TGV, Nautical sports, Industrial or commercial areas, Paths, tracks, cycling tracks, Fertilisation, Reclamation of land from sea, estuary or marsh, Invasive non-native species, Bridge, viaduct, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004026	Dundalk Bay SPA	The known threats and pressures for this site relate to Dispersed habitation, Nautical sports, Fertilisation, Dykes, embankments, artificial beaches, general, Grazing, Shipping lanes, Urbanised areas, human habitation, Industrial or commercial areas, Leisure fishing, Roads, motorways, Discharges, Walking, horseriding and non-motorised vehicles, Siltation rate changes, dumping, depositing of dredged deposits, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004027	Tramore Back Strand SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles, Invasive non-native species, Urbanised areas, human habitation, Discharges, Fertilisation, Pollution. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004028	Blackwater Estuary SPA	The known threats and pressures for this site relate to Grazing, Leisure fishing, Hunting, Nautical sports, Fertilisation, Urbanised areas, human habitation, Roads, motorways. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004029	Castlemaine Harbour SPA	The known threats and pressures for this site relate to Outdoor sports and leisure activities, recreational activities, Fertilisation, Dispersed habitation, Invasive non-native species, Marine and Freshwater Aquaculture, Continuous urbanisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004030	Cork Harbour SPA	The known threats and pressures for this site relate to Dispersed habitation, Marine and Freshwater Aquaculture, Skiing, off-piste, Shipping lanes, Roads, motorways, Leisure fishing, Industrial or commercial areas, Nautical sports, Port areas, Fertilisation, Urbanised areas, human habitation, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004031	Inner Galway Bay SPA	The known threats and pressures for this site relate to Nautical sports, Dykes, embankments, artificial beaches, general, Leisure fishing, Grazing, Reclamation of land from sea, estuary or marsh, Industrial or commercial areas, Discharges, Hunting, Urbanised areas, human habitation, Marine and Freshwater Aquaculture, Roads, motorways, Fertilisation, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004032	Dungarvan Harbour SPA	The known threats and pressures for this site relate to Marine and Freshwater Aquaculture, Leisure fishing, Urbanised areas, human habitation, Fertilisation, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004033	Bannow Bay SPA	The known threats and pressures for this site relate to Roads, motorways, Grazing, Dispersed habitation, Outdoor sports and leisure activities, recreational activities, Fertilisation, Marine and Freshwater Aquaculture, Hunting. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004034	Trawbreaga Bay SPA	The known threats and pressures for this site relate to Fertilisation, Grazing, Marine and Freshwater Aquaculture, Discharges, Dispersed habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004035	Cummeen Strand SPA	The known threats and pressures for this site relate to Industrial or commercial areas, Leisure fishing, Fertilisation, Roads, motorways, Pollution, Reclamation of land from sea, estuary or marsh, Marine and Freshwater Aquaculture, Shipping lanes, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004036	Killala Bay/Moy Estuary SPA	The known threats and pressures for this site relate to Leisure fishing, Walking, horseriding and non-motorised vehicles, Urbanised areas, human habitation, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004037	Blacksod Bay/Broad Haven SPA	The known threats and pressures for this site relate to Urbanised areas, human habitation, Leisure fishing, Walking, horseriding and non-motorised vehicles, Marine and Freshwater Aquaculture, Fertilisation, Bait digging or collection. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004038	Killarney National Park SPA	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Competition (flora), Leisure fishing, Interpretative centres, Grazing, Sylviculture, forestry, Walking, horseriding and non-motorised vehicles, Urbanised areas, human habitation, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004039	Derryveagh and Glendowan Mountains SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Taking or Removal of terrestrial plants, general, Paths, tracks, cycling tracks, Grazing, Invasive non-native species, Mountaineering, rock climbing, speleology, Sylviculture, forestry, Hand cutting of peat, Interpretative centres, Taking and removal of animals (terrestrial). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004040	Wicklow Mountains SPA	The known threats and pressures for this site relate to Peat extraction, Sylviculture, forestry, Grazing, Walking, horseriding and non-motorised vehicles, Interpretative centres, Paths, tracks, cycling tracks. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004041	Ballyallia Lough SPA	The known threats and pressures for this site relate to Urbanised areas, human habitation, Grazing, Walking, horseriding and non-motorised vehicles, Fertilisation, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004042	Lough Corrib SPA	The known threats and pressures for this site relate to Grazing, Urbanised areas, human habitation, Fertilisation, Hunting, Leisure fishing, Nautical sports, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004043	Lough Derravaragh SPA	The known threats and pressures for this site relate to Animal breeding, Hunting, Leisure fishing, Sylviculture, forestry, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004044	Lough Ennell SPA	The known threats and pressures for this site relate to Leisure fishing, Walking, horseriding and non-motorised vehicles, Urbanised areas, human habitation, Trampling, overuse, Fertilisation, Hunting, Sylviculture, forestry, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004045	Glen Lough SPA	The known threats and pressures for this site relate to Fertilisation, No threats or pressures, Forest planting on open ground. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004046	Lough Iron SPA	The known threats and pressures for this site relate to Sylviculture, forestry, Fertilisation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004047	Lough Owel SPA	The known threats and pressures for this site relate to Sylviculture, forestry, Leisure fishing, Hunting, Human induced changes in hydraulic conditions, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004048	Lough Gara SPA	The known threats and pressures for this site relate to Sylviculture, forestry, No threats or pressures, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004049	Lough Oughter SPA	The known threats and pressures for this site relate to Nautical sports, Hunting, Animal breeding, Sylviculture, forestry, Leisure fishing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004050	Lough Arrow SPA	The known threats and pressures for this site relate to Leisure fishing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004051	Lough Carra SPA	The known threats and pressures for this site relate to Sylviculture, forestry, Leisure fishing, Restructuring agricultural land holding, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004052	Carrowmore Lake SPA	The known threats and pressures for this site relate to Leisure fishing, Predation, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004056	Lough Cutra SPA	The known threats and pressures for this site relate to Hunting, Grazing, Fertilisation, Sylviculture, forestry, Leisure fishing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004057	Lough Derg (Donegal) SPA	The known threats and pressures for this site relate to Leisure fishing, Other human intrusions and disturbances, Sylviculture, forestry, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004058	Lough Derg (Shannon) SPA	The known threats and pressures for this site relate to Fertilisation, Leisure fishing, Hunting, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004060	Lough Fern SPA	The known threats and pressures for this site relate to Fertilisation, Leisure fishing, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004061	Lough Kinale and Derragh Lough SPA	The known threats and pressures for this site relate to No threats or pressures, Sylviculture, forestry, Animal breeding, Hunting, Leisure fishing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004062	Lough Mask SPA	The known threats and pressures for this site relate to Sylviculture, forestry, Leisure fishing, Fertilisation, Restructuring agricultural land holding. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004063	Poulaphouca Reservoir SPA	The known threats and pressures for this site relate to Leisure fishing, Forest planting on open ground, Nautical sports, Hunting, Bridge, viaduct. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004064	Lough Ree SPA	The known threats and pressures for this site relate to Grazing, Sylviculture, forestry, Leisure fishing, Nautical sports, Fertilisation, Hunting, Walking, horseriding and non-motorised vehicles, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004065	Lough Sheelin SPA	The known threats and pressures for this site relate to Animal breeding, Fertilisation, Sylviculture, forestry, Leisure fishing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004066	The Bull and The Cow Rocks SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004068	Inishmurray SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004069	Lambay Island SPA	The known threats and pressures for this site relate to Nautical sports, Mowing or cutting of grassland, Grazing, Dispersed habitation, Hunting, Shipping lanes. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004072	Stags of Broad Haven SPA	The known threats and pressures for this site relate to No threats or pressures, Fishing and harvesting aquatic resources. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004073	Tory Island SPA	The known threats and pressures for this site relate to Urbanised areas, human habitation, Grazing, Walking, horseriding and non-motorised vehicles, Roads, motorways, Cultivation, Dispersed habitation, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004074	Illanmaster SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004075	Lough Swilly SPA	The known threats and pressures for this site relate to Nautical sports, Cultivation, Grazing, Leisure fishing, Urbanised areas, human habitation, Fertilisation, Marine and Freshwater Aquaculture. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004076	Wexford Harbour and Slobs SPA	The known threats and pressures for this site relate to Cultivation, Roads, motorways, Dykes, embankments, artificial beaches, general, Grazing, Hunting, Sylviculture, forestry, Marine and Freshwater Aquaculture, Polderisation, Interpretative centres, Walking, horseriding and non-motorised vehicles, Fertilisation, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004077	River Shannon and River Fergus Estuaries SPA	The known threats and pressures for this site relate to Shipping lanes, Marine and Freshwater Aquaculture, Discharges, Urbanised areas, human habitation, Fertilisation, Nautical sports, Industrial or commercial areas. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004078	Carlingford Lough SPA	The known threats and pressures for this site relate to Marine and Freshwater Aquaculture. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004080	Boyne Estuary SPA	The known threats and pressures for this site relate to Leisure fishing, Marine and Freshwater Aquaculture, Walking, horseriding and non-motorised vehicles, Reclamation of land from sea, estuary or marsh, Siltation rate changes, dumping, depositing of dredged deposits, Modification of hydrographic functioning, general, Urbanised areas, human habitation, Golf course, Invasive non-native species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004081	Clonakilty Bay SPA	The known threats and pressures for this site relate to Invasive non-native species, Nautical sports, Grazing, Fertilisation, Walking, horseriding and non-motorised vehicles, Bait digging or collection, Urbanised areas, human habitation, Reclamation of land from sea, estuary or marsh. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004082	Greers Isle SPA	The known threats and pressures for this site relate to Leisure fishing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004083	Inishbofin, Inishdoeey and Inishbeg SPA	The known threats and pressures for this site relate to Grazing, Dispersed habitation, Walking, horseriding and non-motorised vehicles, Mowing or cutting of grassland. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004084	Inishglora and Inishkeeragh SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004086	River Little Brosna Callows SPA	The known threats and pressures for this site relate to Mowing or cutting of grassland, Paths, tracks, cycling tracks, Leisure fishing, Dispersed habitation, Grazing, Hunting, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004087	Lough Foyle SPA	The known threats and pressures for this site relate to Urbanised areas, human habitation, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004089	Rahasane Turlough SPA	The known threats and pressures for this site relate to Grazing, Hunting, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004090	Sheskinmore Lough SPA	The known threats and pressures for this site relate to Grazing, Mowing or cutting of grassland, Fertilisation, Stock feeding, Camping and caravans, Erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004091	Stabannan-Braganstown SPA	The known threats and pressures for this site relate to Cultivation, Fertilisation, Roads, motorways, Grazing, Modification of cultivation practices. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004092	Tacumshin Lake SPA	The known threats and pressures for this site relate to Cultivation, Hunting, Grazing, Other outdoor sports and leisure activities, Walking, horseriding and non-motorised vehicles, Fertilisation, Modification of hydrographic functioning, general. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004093	Termoncarragh Lake and Annagh Machair SPA	The known threats and pressures for this site relate to Roads, motorways, Restructuring agricultural land holding, Dispersed habitation, Grazing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004094	Blackwater Callows SPA	The known threats and pressures for this site relate to Fertilisation, Grazing, Leisure fishing, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004095	Kilcolman Bog SPA	The known threats and pressures for this site relate to Modification of hydrographic functioning, general, Fertilisation, Drying out, Interpretative centres. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004096	Middle Shannon Callows SPA	The known threats and pressures for this site relate to Grazing, Abandonment of pastoral systems lack of grazing, Fertilisation, Bridge, viaduct, Walking, horseriding and non-motorised vehicles, Urbanised areas, human habitation, Paths, tracks, cycling tracks, Leisure fishing, Nautical sports, Hunting, Mowing or cutting of grassland. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004097	River Suck Callows SPA	The known threats and pressures for this site relate to Leisure fishing, Grazing, Sylviculture, forestry, Hunting, Mowing or cutting of grassland, Fertilisation, Dispersed habitation, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004098	Owenduff/Nephin Complex SPA	The known threats and pressures for this site relate to Sylviculture, forestry, Fire and fire suppression, Leisure fishing, Grazing, Hunting, Dispersed habitation, Fertilisation, Roads, motorways, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004099	Pettigo Plateau Nature Reserve SPA	The known threats and pressures for this site relate to Grazing, Sylviculture, forestry, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004100	Inishtrahull SPA	The known threats and pressures for this site relate to No threats or pressures, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004101	Ballykenny-Fisherstown Bog SPA	The known threats and pressures for this site relate to Grazing, Leisure fishing, Sylviculture, forestry, Hunting, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004102	Garriskil Bog SPA	The known threats and pressures for this site relate to Restructuring agricultural land holding, Fire and fire suppression, Railway lines, TGV, Grazing, Modifying structures of inland water courses, Forest planting on open ground. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004103	All Saints Bog SPA	The known threats and pressures for this site relate to Sand and gravel extraction , Dispersed habitation, Grazing, Cultivation, Roads, motorways, Hunting, Mowing or cutting of grassland, Peat extraction, Fire and fire suppression, Mechanical removal of peat, Fertilisation, Forest planting on open ground. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004105	Bellanagare Bog SPA	The known threats and pressures for this site relate to Forest planting on open ground, Peat extraction, Roads, motorways, Grazing, Modifying structures of inland water courses. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004107	Coole-Garryland SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles, Hunting, Fertilisation, Interpretative centres, Disposal of household or recreational facility waste, Sylviculture, forestry, Forest exploitation without replanting or natural regrowth, Interspecific faunal relations. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004108	Eirk Bog SPA	The known threats and pressures for this site relate to No threats or pressures, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004109	The Gearagh SPA	The known threats and pressures for this site relate to Grazing, Hunting, Human induced changes in hydraulic conditions, Flooding modifications. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004110	Lough Nillan Bog SPA	The known threats and pressures for this site relate to Roads, motorways, Mechanical removal of peat, Dispersed habitation, Grazing, Paths, tracks, cycling tracks, Sylviculture, forestry, Hand cutting of peat. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004111	Duvillaun Islands SPA	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004113	Howth Head Coast SPA	The known threats and pressures for this site relate to Fire and fire suppression, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004114	Illaunonearaun SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004115	Inishduff SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004116	Inishkeel SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004117	Ireland's Eye SPA	The known threats and pressures for this site relate to Leisure fishing, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004118	Keeragh Islands SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004119	Loop Head SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004120	Rathlin O'Birne Island SPA	The known threats and pressures for this site relate to Fishing and harvesting aquatic resources, No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004121	Roaninish SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004122	Skerries Islands SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004124	Sovereign Islands SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004125	Magharee Islands SPA	The known threats and pressures for this site relate to Nautical sports, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004127	Wicklow Head SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004129	Ballysadare Bay SPA	The known threats and pressures for this site relate to Hunting, Continuous urbanisation, Marine and Freshwater Aquaculture, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004132	Illancrone and Inishkeeragh SPA	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004133	Aughris Head SPA	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004134	Lough Rea SPA	The known threats and pressures for this site relate to Nautical sports, Hunting, Leisure fishing, Fertilisation, Sylviculture, forestry, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004135	Ardboline Island and Horse Island SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004136	Clare Island SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004137	Dovegrove Callows SPA	The known threats and pressures for this site relate to Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004139	Lough Croan Turlough SPA	The known threats and pressures for this site relate to Grazing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004140	Four Roads Turlough SPA	The known threats and pressures for this site relate to Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004142	Cregganna Marsh SPA	The known threats and pressures for this site relate to Discontinuous urbanisation, Fertilisation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004143	Cahore Marshes SPA	The known threats and pressures for this site relate to Dispersed habitation, Walking, horseriding and non-motorised vehicles, Fertilisation, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004144	High Island, Inishshark and Davillaun SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004145	Durnesh Lough SPA	The known threats and pressures for this site relate to Eutrophication (natural), Walking, horseriding and non-motorised vehicles, Grazing, Fertilisation, Discharges. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004146	Malin Head SPA	The known threats and pressures for this site relate to Grazing, Cultivation, Mowing or cutting of grassland, Discontinuous urbanisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004148	Fanad Head SPA	The known threats and pressures for this site relate to Discontinuous urbanisation, Mowing or cutting of grassland, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004149	Falcarragh to Meenlaragh SPA	The known threats and pressures for this site relate to Mowing or cutting of grassland, Grazing, Cultivation, Discontinuous urbanisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004150	West Donegal Coast SPA	The known threats and pressures for this site relate to Competition (fauna), Predation, Grazing, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004151	Donegal Bay SPA	The known threats and pressures for this site relate to Fertilisation, Grazing, Walking, horseriding and non-motorised vehicles, Marine and Freshwater Aquaculture, Nautical sports, Continuous urbanisation, Roads, motorways. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004152	Inishmore SPA	The known threats and pressures for this site relate to Cultivation, Grazing, Walking, horseriding and non-motorised vehicles, Discontinuous urbanisation, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004153	Dingle Peninsula SPA	The known threats and pressures for this site relate to Grazing, Competition (fauna), Predation, Agricultural structures, buildings in the landscape, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004154	Iveragh Peninsula SPA	The known threats and pressures for this site relate to Predation, Grazing, Competition (fauna), Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004155	Beara Peninsula SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004156	Sheep's Head to Toe Head SPA	The known threats and pressures for this site relate to Predation, Fertilisation, Grazing, Competition (fauna). There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004158	River Nanny Estuary and Shore SPA	The known threats and pressures for this site relate to Continuous urbanisation, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004159	Slyne Head to Ardmore Point Islands SPA	The known threats and pressures for this site relate to No threats or pressures, Changes in biotic conditions, Outdoor sports and leisure activities, recreational activities, Marine water pollution. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004160	Slieve Bloom Mountains SPA	The known threats and pressures for this site relate to Roads, motorways, Paths, tracks, cycling tracks, Peat extraction, Dispersed habitation, Grazing, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004161	Stack's to Mullaghareirk Mountains, West Limerick Hills and Mount Eagle SPA	The known threats and pressures for this site relate to Roads, motorways, Peat extraction, Paths, tracks, cycling tracks, Dispersed habitation, Sylviculture, forestry, Irrigation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004162	Mullaghanish to Musheramore Mountains SPA	The known threats and pressures for this site relate to Roads, motorways, Grazing, Dispersed habitation, Paths, tracks, cycling tracks, Sylviculture, forestry, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004165	Slievefelim to Silvermines Mountains SPA	The known threats and pressures for this site relate to Peat extraction, Sylviculture, forestry, Paths, tracks, cycling tracks, Grazing, Dispersed habitation, Roads, motorways. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004167	Slieve Beagh SPA	The known threats and pressures for this site relate to Roads, motorways, Paths, tracks, cycling tracks, Peat extraction. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004168	Slieve Aughty Mountains SPA	The known threats and pressures for this site relate to Paths, tracks, cycling tracks, Dispersed habitation, Grazing, Roads, motorways, Peat extraction, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004170	Cruagh Island SPA	The known threats and pressures for this site relate to No threats or pressures, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004172	Dalkey Islands SPA	The known threats and pressures for this site relate to Grazing, Walking, horseriding and non-motorised vehicles, Nautical sports, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004175	Deenish Island and Scariff Island SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004177	Bills Rocks SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004181	Connemara Bog Complex SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Roads, motorways, Dispersed habitation, Invasive non-native species, Mechanical removal of peat, Sylviculture, forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004182	Mid-Clare Coast SPA	The known threats and pressures for this site relate to Leisure fishing, Grazing, Walking, horseriding and non-motorised vehicles, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004186	The Murrough SPA	The known threats and pressures for this site relate to Railway lines, TGV, Fertilisation, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004187	Sligo/Leitrim Uplands SPA	The known threats and pressures for this site relate to Invasive non-native species, Grazing, Sand and gravel quarries, Continuous urbanisation, Camping and caravans, Erosion, Walking, horseriding and non-motorised vehicles, Mechanical removal of peat, Forest planting on open ground, Mountaineering, rock climbing, speleology, Sand and gravel extraction, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004188	Tralee Bay Complex SPA	The known threats and pressures for this site relate to Walking, horseriding and non-motorised vehicles, Grazing, Removal of beach materials, Urbanised areas, human habitation, Nautical sports, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004189	Kerry Head SPA	The known threats and pressures for this site relate to Modification of cultivation practices, Abandonment of pastoral systems lack of grazing, Storage of materials, Agricultural structures, buildings in the landscape, Cultivation, Use of biocides, hormones and chemicals, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004190	Galley Head to Duneen Point SPA	The known threats and pressures for this site relate to Electricity and phone lines, Stock feeding, Dispersed habitation, Fertilisation, Grazing, Roads, motorways, Agricultural structures, buildings in the landscape, Railway lines, TGV, Cultivation, Abandonment of pastoral systems lack of grazing, Use of biocides, hormones and chemicals, Walking, horseriding and non-motorised vehicles. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004191	Seven Heads SPA	The known threats and pressures for this site relate to Agricultural structures, buildings in the landscape, Irrigation, Urbanised areas, human habitation, Predation, Competition (fauna), Cultivation, Abandonment of pastoral systems lack of grazing, Grazing, Fire and fire suppression. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004192	Helvick Head to Ballyquin SPA	The known threats and pressures for this site relate to Motorised vehicles, No threats or pressures, Invasive non-native species, Erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004193	Mid-Waterford Coast SPA	The known threats and pressures for this site relate to Grazing, Modification of cultivation practices, Storage of materials, Agricultural structures, buildings in the landscape, Abandonment of pastoral systems lack of grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004194	Horn Head to Fanad Head SPA	The known threats and pressures for this site relate to Modification of cultivation practices, Walking, horseriding and non-motorised vehicles, Invasive non-native species, Paths, tracks, cycling tracks, Motorised vehicles, Removal of beach materials, Restructuring agricultural land holding, Fertilisation, Camping and caravans, Erosion. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004212	Cross Lough (Killadoon) SPA	The known threats and pressures for this site relate to Removal of beach materials, Predation, Outdoor sports and leisure activities, recreational activities, Hunting, No threats or pressures, Nautical sports. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004219	Courtmacsherry Bay SPA	The known threats and pressures for this site relate to Nautical sports, Grazing, Disposal of household or recreational facility waste. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004220	Corofin Wetlands SPA	The known threats and pressures for this site relate to Grazing, Dispersed habitation, Urbanised areas, human habitation, Roads, motorways. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004221	Illaunnaon SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004227	Mullet Peninsula SPA	The known threats and pressures for this site relate to Cultivation, Mowing or cutting of grassland, Grazing, Discontinuous urbanisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004228	Lough Conn and Lough Cullin SPA	The known threats and pressures for this site relate to Sylviculture, forestry, Leisure fishing, Invasive non-native species, Fertilisation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
004230	West Donegal Islands SPA	The known threats and pressures for this site relate to No threats or pressures, Antagonism arising from introduction of species. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004231	Inishbofin, Omev Island and Turbot Island SPA	The known threats and pressures for this site relate to No threats or pressures. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004232	River Boyne and River Blackwater SPA	The known threats and pressures for this site relate to Dispersed habitation, No threats or pressures, Roads, motorways, Human induced changes in hydraulic conditions, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004233	River Nore SPA	The known threats and pressures for this site relate to No threats or pressures, Landfill, land reclamation and drying out, general, Port areas. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004234	Ballintemple and Ballygilgan SPA	The known threats and pressures for this site relate to No threats or pressures, Airport, Urbanised areas, human habitation. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004235	Doogort Machair SPA	The known threats and pressures for this site relate to Changes in biotic conditions, No threats or pressures, Grazing. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
004236	North-West Irish Sea SPA	The known threats and pressures for this site have not yet been assessed. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
002278	Southern Canyons SAC	The known threats and pressures for this site have not yet been assessed. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
003001	Porcupine Bank Canyon SAC	The known threats and pressures for this site have not yet been assessed. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
UK0016 603	Cuilcagh Mountain SAC	The known threats and pressures of this SAC relate to agriculture, infrastructure, recreation, waste management, succession, burning, and hydrological interactions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0016 614	Upper Lough Erne SAC	The known threats and pressures of this SAC relate to agriculture, forestry, invasive species, direct interaction with species and populations through hunting and collection of wild animals, hydrological interactions, waste management, pollutants, recreation, and other direct land uses. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0016 620	Derryleckagh SAC	The known threats and pressures for the SAC relate to agricultural practices, invasive species, hydrological interactions, waste management, pollution, succession, and biocenotic evolution. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0016 621	Magheravealy Marl Loughs SAC	The known threats and pressures of this SAC relate to agriculture, forestry, invasive species, hydrological interactions, waste management, pollutants, recreation, and other direct land uses. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0016 622	Slieve Beagh SAC	The known threats and pressures of this SAC relate to agriculture, invasive species, burning, hydrological interactions, mining, and pollutants. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0030 047	Lough Melvin SAC	The known threats and pressures of this SAC relate to agriculture, invasive species, hydrological interactions, land use management, and forestry. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0030 116	Cladagh (Swanlinbar) River SAC	The known threats and pressures of this SAC relate to forestry, mining/ resource extraction, energy production, commercial fishing, recreation, hydrological interactions, invasive species, waste management, and changes in abiotic conditions. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.
UK0030 300	West Fermanagh Scarplands SAC	The known threats and pressures of this SAC relate to forestry, succession, agriculture, recreation, hydrological interactions, waste management, and burning. There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.

Site Code	Site Name	Characterisation of Potential Effects
UK9020 051	Pettigoe Plateau SPA	<p>The known threats and pressures of this SPA relate to direct interaction with species and populations, invasive species, agriculture, recreation, and forestry.</p> <p>There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.</p>
UK9020 071	Upper Lough Erne SPA	<p>The known threats and pressures of this SPA relate to agriculture, hydrological interactions, waste management, changes to biotic and abiotic conditions, recreation, and other direct land uses</p> <p>There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.</p>
UK9020 161	Carlingford Lough SPA	<p>The known threats and pressures for the SPA relate to aquaculture, invasive species, pollution, changes in biotic and abiotic conditions, recreation, and other direct land use practices.</p> <p>There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.</p>
UK9020 302	Slieve Beagh-Mullaghfad-Lisnaskea SPA	<p>The known threats and pressures of this SPA relate to agriculture, forestry, burning, direct interaction with species and populations through hunting and collection of wild animals, mining, changes to abiotic and biotic conditions, recreation, and other direct land use change.</p> <p>There are sources for effects which could interact with the existing known threats and pressures and ecological condition of this site if unmitigated. Therefore, mitigation measures have been integrated into the Grid IP; further details can be found in Table 5-1.</p>

5. MITIGATION MEASURES

This section outlines measures that have been incorporated into the Grid IP in order to mitigate against potential effects to European sites as identified above. The Grid IP was prepared in an iterative manner whereby the Plan and AA documents have informed subsequent versions of the other. These mitigation measures ensure the protection of the ecological integrity of any European site from implementation of the Grid IP; beyond reasonable scientific doubt. The mitigation measures most relevant to the protection of European sites are identified in Table 5.1 below³⁶. Some of these measures, many of which were integrated into the current Plan through the SEA and AA processes for that Plan, have been retained and/or updated.

Some of the key text integrated into the Grid IP as a direct result of Strategic Environmental Assessment (SEA) and AA recommendations for the Grid IP are detailed on Table 5.2.

³⁶ For a complete assessment of the Plan, against all environmental components (These components comprise biodiversity, fauna, flora, population, human health, soil, water, air, climatic factors, material assets, cultural heritage including architectural and archaeological heritage, landscape and the interrelationship between the above factors), refer to the Strategic Environmental Assessment (SEA) Environmental Report.

Table 5-1 Mitigation Measures most relevant to the protection of European sites

Environmental component	Environmental Impact Being Mitigated	Code	Policy
Various	Without guided coordinated grid development there is potential for cumulative and/or long term impacts which could affect sustainability of environmental features.	ENVP1	To uphold best environmental practice in the design and appraisal of onshore and offshore grid development, considering impacts onshore, offshore, cumulatively and across state boundaries where relevant.
Various	This policy ensure the monitoring process and future learnings will be integrated by into decision making processes.	ENVP2	To continually improve EirGrid’s approach to the protection of the onshore and marine environment from development impacts, by applying the findings from monitoring at plan and project level to improve existing processes and fund and resource new processes where required
Various	Without guided coordinated grid development there is potential for cumulative and/or long term impacts which could affect sustainability of environmental features.	PCP1	To comply with relevant legislation and have regard for relevant guidelines in planning and consenting of grid development projects, and make provision for any policies for the provision of grid development set out in these documents. In particular, to have regard to the National Spatial Strategy, National Planning Framework, National Marine Planning Framework, Offshore Renewable Energy Development Plans, RSES, and Regional Spatial and Economic Strategies.
Various	Relevant case law informs best practice and provides clarity surrounding topics which may result in unintended issues. This policy will minimise risk in this regard.	PCP2	To have regard to precedent arising from decisions of the Competent Authorities, and of the High Court in Judicial Review of decisions, relating to the planning and consenting of grid development projects.
Various	This scheme provides incentive for positive collaboration with communities for environmental enhancement measures.	HBSO3	To promote and deliver EirGrids Community Benefit Policy and Proximity Payments for certain categories of grid development projects, in accordance with established terms of reference.

Various	This policy will identify and minimise potential conflicts with flood risk issues for all plans and projects that arise due to the implementation of the plan.	CLIMP3	That there is no increase in flood risk as a result of grid development, and to ensure any flood risk to the development is appropriately managed.
Biodiversity, Flora & Fauna	Streamlining internal processes with regard to technical assessment processes will promote the protection of European sites.	PCP4	To prepare and/or update internal policies and processes related to the planning and consenting of grid development projects, including the existing internal process for Screening of Exempted Development, and Screening for Appropriate Assessment
Biodiversity, Flora & Fauna	This policy ensures the protection of coastal systems and factors necessary for the maintenance of marine biodiversity.	ENVP12	To deliver projects while ensuring natural resources in coastal and marine waters are exploited in a sustainable manner so that biodiversity is maintained or achieved and that European regional seas are clean, healthy and productive
Biodiversity, Flora & Fauna	Inappropriate plan or projects (P/P) development could result in impacts to Protected sites. Thus all lower level P/P require additional considerations. This policy will ensure these types of impacts are avoided for protected species and areas.	BIODP1	To protect flora, fauna and habitats, and sites designated in the Habitats Directive, the Birds Directive, the Wildlife Act 1976 (as amended), the Flora Protection Order (S.I. no. 235 of 2022), and the European Communities (Birds and Natural Habitats) Regulations 2011 (as amended)
Biodiversity, Flora & Fauna	Ecological connectivity and the protection of natural or semi natural habitats could be at risk due to the implementation plan in the absence of mitigation measures.	BIODP2	To minimise the impact of grid development on existing trees and hedgerows, and all semi-natural habitats
Biodiversity, Flora & Fauna	Ecological connectivity and the protection of natural or semi natural habitats could be at risk due to the implementation plan in the absence of mitigation measures.	BIODP3	To protect and wherever possible enhance wooded, wetland and other habitats which function as wildlife corridors, in accordance with Article 10 of the EU Habitats Directive.
Biodiversity, Flora & Fauna	This policy goes beyond protection measures and aims to provide benefits for biodiversity through the transmission development process.	BIODP4	To design habitat creation, restoration and enhancement into project scopes wherever possible, in collaboration with ESB for onshore assets, while complying with relevant technical and safety standards.

<p>Biodiversity, Flora & Fauna</p>	<p>The transmission network has a high level of linear development projects which could influence habitat fragmentation. Early appraisal of options relating to route selection is required to avoid and minimise potential impacts.</p>	<p>BIODP6</p>	<p>The following Corridor and Route Selection Process will be undertaken for relevant new infrastructure both onshore and offshore:</p> <p>Stage 1 – Route Corridor Identification, Evaluation and Selection</p> <ul style="list-style-type: none"> • Environmental constraints (including those identified in Section 6 of the SEA Environmental Report) and opportunities (such as existing linear infrastructure) will assist in the identification of possible route corridor options; • Potentially feasible corridors within which infrastructure could be accommodated will be identified and these corridors assessed. The selection of the preferred route corridor will avoid constraints and meet opportunities to the optimum extent, as advised by the relevant specialists; and • In addition to the constraints identified above, site-specific field data may be required to identify the most appropriate corridors. <p>Stage 2 – Route Identification, Evaluation and Selection</p> <ul style="list-style-type: none"> • Potentially feasible routes within the preferred corridor will be identified and assessed. The selection of preferred routes will avoid constraints and meet opportunities to the optimum extent, as advised by the relevant specialists, taking into account project level information and potential mitigation measures that are readily achievable; • In addition to the constraints identified above, site specific field data may be required to identify the most appropriate routes; and • In addition to environmental considerations, the identification of route corridors and the refinement of route lines is likely to be informed by other considerations. <p>Note: The route selection process is in addition to the environmental impact assessment (EIA) data requirements and reporting.</p>
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			Note: The route selection process will include considerations related to potential conflicts with sectors including but not limited to agriculture, tourism, transport, fisheries and aquaculture
Air Quality & Noise	This policy commits to undertaking good practice and environmental compliance measures with respect to construction phase developments. This will avoid and minimise potential impacts to air quality.	ENVP6	To seek to preserve and maintain air quality in accordance with good practice and relevant legislation in the construction of grid development projects onshore, and offshore
Air Quality & Noise	This policy will support the noise reduction processes introduced by ENVP8.	ENVP7	To facilitate new technologies which minimise noise emissions on onshore and offshore grid development
Air Quality & Noise	This policy commits to undertaking good practice and environmental compliance measures with respect to construction phase developments. This will avoid and minimise potential impacts to air quality.	ENVP8	To seek to preserve and maintain noise quality (including underwater noise) in accordance with good practice and relevant legislation.
Air Quality & Noise	Dust suppression will avoid and minimise potential effects to air quality – as well as indirect effects to features such as water quality.	ENVP10	To ensure appropriate dust suppression during construction works.
Water	The use of SuDS will comply with the SuDs directive as well as avoid and minimize potential impacts to water quality.	ENVP4	To require the use of sustainable urban drainage systems in all new grid developments where appropriate.
Water	This policy will identify and minimise potential conflicts with existing flood risk management processes as well as minimizing impact from flooding issues for all plans and projects that arise due to the implementation of the plan.	ENVP5	To have regard to the statutory guidelines on the Planning System and Flood Risk Management, as may be revised/updated when devising grid development projects, and in the preparation of grid development strategies and plans.
Water	This policy will avoid or minimise potential effects to water quality for surface, ground and marine water systems.	ENVP11	To avoid or minimise impacts on surface, ground, and marine water quality and support achieving objectives of the Marine Strategy Framework Directive and Water Framework Directive.

Water	This policy will ensure the transmission development protects the aquatic environment necessary for compliance the EU Water Framework Directive.	ENVP23	To protect the water environment, water quality and aquatic ecology in accordance with the EU Water Framework Directive, in the development of its transmission projects.
Water	This policy will identify and minimise potential impact to environmental themes which rely on water quality – as well as ensuring compliance with relevant legislation – for all plans and projects that arise due to the implementation of the plan.	ENVP24	Contribute towards, as appropriate, the protection of existing and potential water resources, and their use by humans and wildlife, including rivers, streams, wetlands, groundwater, coastal waters and associated habitats and species in accordance with the requirements and guidance in the EU Water Framework Directive 2000 (2000/60/EC), the European Union (Water Policy) Regulations 2003 (as amended), the European Communities Environmental Objectives (Surface Waters) Regulations 2009 (SI No. 272 of 2009), the Groundwater Directive 2006/118/EC and the European Communities Environmental Objectives (groundwater) Regulations, 2010 (S.I. No. 9 of 2010) and other relevant EU Directives, including associated national legislation and policy guidance (including any superseding versions of same). To support the application and implementation of a catchment planning and management approach to development and conservation, including the implementation of Sustainable Drainage System techniques for new development.
Water	This policy will identify and minimise potential impact to bathing water quality – as well as ensuring compliance with relevant legislation – for all plans and projects that arise due to the implementation of the plan.	ENVP25	Contribute towards the achievement of the requirements of the EU Bathing Water Directive and transposing Bathing Water Quality Regulations (SI No. 79 of 2008) and EU Mandatory Values, as a minimum, and EU Guide Values, where possible.
Climate Change	Streamlining and optimizing approach to delivery of targets will improve the efficiency related to the delivery of climate targets.	ENVP3	To apply a strategic / programmatic approach to onshore and offshore grid development to optimize environmental assessment and public engagement at a regional / landscape scale. Through programmatic approaches, reduce timescales and resources, and increase project delivery rate to achieve the 2030 targets of up to 80% electricity from renewable sources.

Climate Change	This policy supports renewable energy generation.	TP4	To effectively manage oversupply by utilising Demand Flexibility in order to promote renewable generation.
Climate Change	Streamlining and optimizing approach to delivery of targets will improve the efficiency related to the delivery of climate targets.	TP5	To ensure EirGrid and ESB Networks develop and implement an end-to-end TSO/TAO joint approach to optimise delivery of onshore and offshore grid infrastructure projects.
Climate Change	Streamlining and optimizing approach to delivery of targets will improve the efficiency related to the delivery of climate targets.	CLIMP1	To integrate measures to address climate change into grid development, through effective mitigation and adaptation responses, in accordance with available guidance and best practice.
Climate Change	Streamlining and optimizing approach to delivery of targets will improve the efficiency related to the delivery of climate targets.	CLIMP2	To support, through all activities, and in particular connection of low-carbon and renewable energy generation onshore and offshore, delivery of the Government's target of up to 80% electricity consumption generated from renewable energy sources by the year 2030.

Table 5-2: Examples of SEA/AA recommendations included within the Grid IP – Green text is additional text, strike through text reflects words removed

Recomendation	Code	Policy or Objective
Amended Text	ENVP11	To avoid or minimise impacts on surface, ground, and marine water quality and support achieving objectives of the Marine Strategy Framework Directive and Water Framework Directive.
Policy Added	ENVP23	To protect the water environment, water quality and aquatic ecology in accordance with the EU Water Framework Directive, in the development of its transmission projects.
Policy Added	ENVP24	Contribute towards, as appropriate, the protection of existing and potential water resources, and their use by humans and wildlife, including rivers, streams, wetlands, groundwater, coastal waters and associated habitats and species in accordance with the requirements and guidance in the EU Water Framework Directive 2000 (2000/60/EC), the European Union (Water Policy) Regulations 2003 (as amended), the European Communities Environmental Objectives (Surface Waters) Regulations 2009 (SI No. 272 of 2009), the Groundwater Directive 2006/118/EC and the European Communities Environmental Objectives (groundwater) Regulations, 2010 (S.I. No. 9 of 2010) and other relevant EU Directives, including associated national legislation and policy guidance (including any superseding versions of same). To support the application and implementation of a catchment planning and management approach to development and conservation, including the implementation of Sustainable Drainage System techniques for new development.
Policy Concept Provided for addition	BIODO2	To quantify and report losses in habitat area from development and deliver wherever possible, net gain (and if not no net loss) of semi-natural habitats from grid development. Mechanisms will include ecological input to landscape planting so that it functions for biodiversity, enhancement of existing habitats, and as a last resort, off-site habitat compensation.
Policy Concept Provided for addition	ENVO10:	To establish and maintain a Geographic Information System of existing and proposed EirGrid grid development projects onshore and offshore, to assist with the identification of cumulative and transboundary impacts
Policy Concept Provided for addition	ENV011:	To insert in project environmental assessments for onshore and offshore projects, new requirements for Contractors to provide written environmental monitoring reports to the EirGrid Planning and Environmental Unit, in addition to any prescribed bodies. This will increase the flow of information back to EirGrid, and between project and plan level assessments
Policy Added	BIODP6	The following Corridor and Route Selection Process will be undertaken for relevant new infrastructure both onshore and offshore: Stage 1 – Route Corridor Identification, Evaluation and Selection

		<ul style="list-style-type: none"> • Environmental constraints (including those identified in Section 6 of the SEA Environmental Report) and opportunities (such as existing linear infrastructure) will assist in the identification of possible route corridor options; • Potentially feasible corridors within which infrastructure could be accommodated will be identified and these corridors assessed. The selection of the preferred route corridor will avoid constraints and meet opportunities to the optimum extent, as advised by the relevant specialists; and • In addition to the constraints identified above, site-specific field data may be required to identify the most appropriate corridors. <p>Stage 2 – Route Identification, Evaluation and Selection</p> <ul style="list-style-type: none"> • Potentially feasible routes within the preferred corridor will be identified and assessed. The selection of preferred routes will avoid constraints and meet opportunities to the optimum extent, as advised by the relevant specialists, taking into account project level information and potential mitigation measures that are readily achievable; • In addition to the constraints identified above, site specific field data may be required to identify the most appropriate routes; and • In addition to environmental considerations, the identification of route corridors and the refinement of route lines is likely to be informed by other considerations. <p>Note: The route selection process is in addition to the environmental impact assessment (EIA) data requirements and reporting. Note: The route selection process will include considerations related to potential conflicts with sectors including but not limited to agriculture, tourism, transport, fisheries and aquaculture</p>
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6. CONCLUSION

Stage 1 AA Screening and Stage 2 AA of the National Grid Implementation Plan 2023-2028 has been carried out. Implementation of the Grid IP has the potential to result in effects to the integrity of any 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 that will 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 Grid IP will themselves be subject to 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 adverse effects as a result of the implementation of the Grid IP either alone or in-combination with other plans/projects.

Having incorporated mitigation measures, it is concluded that the National Grid Implementation Plan 2023-2028 will not give rise to any adverse effects on designated European sites, alone or in combination with other plans or projects³⁷. This evaluation is made in view of the conservation objectives of the habitats or species, for which these sites have been designated.

The AA process is ongoing and will inform and be concluded at adoption of the Plan.

³⁷ 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.