Portlaoise Local Area Plan

Screening Statement in support of Appropriate Assessment

14th March 2018

Portlaoise Local Area Plan

Screening Statement in support of Appropriate Assessment

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1.0 **INTRODUCTION**

Laois County Council has prepared a Local Area Plan (LAP) for Portlaoise. Minogue &

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Associates have been appointed by Laois County Council to undertake a Strategic

Environmental Assessment and Habitats Directive Assessment of the LAP. This Habitats

Directive Assessment (HDA): Stage 1 Screening for Appropriate Assessment has been

undertaken in conjunction with the Strategic Environmental Assessment (SEA) of the LAPand

should be read in combination with the Strategy and the associated SEA environmental

Report (ER).

The purpose of this Habitats Directive Assessment is to assess the potential for the LAP, its

policies, objectives and land use zonings to result in likely significant effects to the integrity

and conservation status of European Sites.

1.1 HABITATS DIRECTIVE ASSESSMENT

The Habitats Directive Assessment is an assessment of the potential effects of a land use

plan or project on one or more Natura 2000 (N2K) Sites. It is noted that a Habitats Directive

Assessment is commonly referred to as an "Appropriate Assessment" (Dodd et al, 2007).

However "Appropriate Assessment" forms only one stage of the HDA process (all stages

making up the assessment process are outlined in detail below). The EU Habitats Directive

provides the legislative framework for the protection of habitats and species throughout

Europe through the establishment of a network of designated conservation areas known as

the N2K network. The N2K network includes sites designated as Special Areas of

Conservation (SACs), under the EU Habitats Directive and Special Protection Areas (SPAs)

designated under the EU Birds Directive. Under the European Communities (Birds and

Natural Habitats Regulations 2011, as amended) SACs and SPAs are referred to as European

Sites. SACs are designated in areas that support habitats listed on Annex I and/or species

listed on Annex II of the Habitats Directive. SPAs are designated in areas that support: 1% or

more of the all-Ireland population of bird species listed on Annex I of the EU Birds Directive;

1% or more of the population of a migratory species; and more than 20,000 waterfowl.

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Articles 6(1) & (2) of the Habitats Directive set out provisions for the conservation

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management of European Sites. Articles 6(3) and 6(4) of this Directive set out a series of

procedural steps to test whether or not a plan or project is likely to affect a European Sites.

Article 6(3) also establishes the requirement for a HDA:

"any plan or project not directly connected with or necessary to the management of the

(European) site but likely to have a significant effect thereon, either individually or in

combination with other plans and projects, shall be subjected to appropriate assessment of

its implications for the site in view of the site's conservation objectives. In light of the

conclusions of the assessment of the implication for the site and subject to the provisions of

paragraph 4, the competent national authorities shall agree to the plan or project only after

having ascertained that it will not affect the integrity of the site concerned and, if

appropriate, after having obtained the opinion of the general public".

Therefore, the objective of this Screening is to identify whether or not land use measures

outlined in the Portlaoise LAP will have the potential to adversely affect the integrity of

European Sites. Such a conclusion will be arrived at by assessing the implications of LAP for

each European Site's "qualifying interests" (i.e. those Annex I habitats and Annex II species

of SACs and Special Conservation Interests (SCIs) of SPAs) and associated conservation

objectives.

The HDA is underpinned by the precautionary principle. Therefore, if the risk of adverse

impacts to the conservation objectives of a European Site cannot be ruled out it is assumed

that the potential for an adverse impact will exist. Where such uncertainties are identified

during the assessment, measures will be proposed to avoid or mitigate the risk of adverse

impacts occurring.

The Screening was undertaken with reference to the following guidance documents on

Habitats Directive Assessments:

Appropriate Assessment of Plans and Projects in Ireland – Guidance for Planning Authorities

(2009). DEHLG.

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 Managing Natura 2000 Sites – The provisions of Article 6 of the Habitats directive 92/43/EEC. European commission (2000). (To be referred to as MN 2000).

 Assessment of Plans and Projects Significantly Affecting Natura 2000 sites – Methodological Guidance of the Provisions of Article 6(3) and (4) of the Habitats directive 92/43/EEC. European Commission (2001).

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1.2 STAGES OF THE HABITATS DIRECTIVE ASSESSMENT

The European Commission (2001) Guidance has outlined a staged process for the completion of a HDA.

- Stage 1 Screening: This stage defines the proposed plan, establishes whether the proposed plan is necessary for the conservation management of the European Site and assesses the likelihood of the plan to have a significant effect, alone or in combination with other plans or projects, upon a European Site.
- Stage 2 Appropriate Assessment: If a plan or project is likely to have a significant effect an
 Appropriate Assessment must be undertaken. In this stage the impact of the plan or project
 to the Conservation Objectives of the European Site is assessed. The outcome of this
 assessment will establish whether the plan will have an adverse effect upon the integrity of
 the European Site.
- Stage 3 Assessment of Alternative Solutions: If it is concluded that, subsequent to the
 implementation of mitigation measures, a plan has an adverse impact upon the integrity of a
 European Site it must be objectively concluded that no alternative solutions exist before the
 plan can proceed.
- the Stage 4 Where no alternative solutions exist and where adverse impacts remain but imperative reasons of overriding public interest (IROPI) exist for the implementation of a plan or project an assessment of compensatory measures that will effectively offset the damage to the Natura site 2000 will be necessary.

The remainder of this document sets out the Methodology and Results of the Stage 1 Screening Assessment. It is structured as follows:

Section 2: Habitats Directive Assessment Methodology;

Section 3: Summary Description of the Portlaoise LAP;

Section 4: Identifies the European Sites within the zone of influence of the Portlaoise LAP;

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Section 5: Identifies the Likely Significant Effects of the Portlaoise LAP to European Sites occurring within its zone of influence;

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Section 6: provides a Screening conclusion.

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2.0 **SCREENING METHODOLOGY**

The function of the Screening Assessment is to identify whether the Portlaoise LAP will have

a likely significant effect on European Sites. In this context "likely" means any effect that

may be reasonably predicted and "significant" means not trivial or inconsequential but an

effect that is potentially relevant to the Site's conservation objectives¹. Any effect, which

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would compromise the functioning and viability of a Site and interfere with achieving the

conservation objectives of the Site would constitute a significant effect.

The nature of the likely interactions between the Portlaoise LAP and the integrity of

European Sites will depend upon the potential for land use elements of the LAP to interact

with European Sites and their associated qualifying features of interest; the sensitivity of

European Site qualifying features to potential impacts associated with land use policies,

objectives and zoning of the LAP; the current conservation status of the European Site

qualifying features; and the likely changes that will result from the implementation of the

Portlaoise LAP, in combination with other plans and projects.

The European Commission Guidelines (2001) outline the stages involved in undertaking a

Screening assessment of a plan or project that has the potential to have likely significant

effects on European Sites. The methodology adopted for the Screening of the Portlaoise LAP

is informed by these guidelines and was undertaken in the following stages:

1. A brief description of the Portlaoise LAP is provided and determine whether it is necessary

for the conservation management of European Sites;

2. Identification of European Sites occurring within the zone of influence of the Portlaoise LAP;

3. Review the aims, policies, objectives and zoning proposed in the Portlaoise LAP to determine

which have the potential to affect European Sites and determine whether the European

Sites are vulnerable to the effects; and

¹See English Nature's Habitat Regulations Guidance Note No. 3, 1999.

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4. Identification of other plans or projects that, in combination with the aims, policies, objectives and zoning of the Portlaoise LAP, have the potential to affect European Sites.

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3.0 **BRIEF DESCRIPTION OF THE PORTLAOISE LAP**

The Portlaoise LAP aims to provide a statutory framework for the future growth,

development and improvement of Portlaoise that are consistent with county, regional and

national development policies and objectives, set out in the Laois County Development Plan

(CDP) – 2017 – 2023; Midland Regional Planning Guidelines 2010 – 2022; National Spatial

Strategy 2002 - 2020 and the Project Ireland 2040 National Planning Framework.

The purpose of the Portlaoise LAP is to guide future development within Portlaoise LAP, in a

sustainable and equitable manner and to inform members of the public, the local

community, stakeholders, developers and the Planning Authority regarding policies and

objectives for development, including provisions in relation to land use management,

economic development, community facilities and amenities, transport and infrastructure,

urban design, heritage and the environment.

This Draft Local Area Plan is based on a number of general goals which are designed to

improve the quality of life of the citizens of the town and surrounding hinterland and which

the council will endeavour to implement during the period of the plan. The development of

Portlaoise over the lifetime of this plan shall be focused on employment generation, the

consolidation of the town centre and the provision of community and social services.

The following are specific objectives in relation to the delivery of the Strategy:

1. To support and facilitate sustainable intensification and consolidation of the town

centre and in established residential areas;

2. To promote balanced economic development and employment ensuring a diverse

range of economic sectors are developed and supported;

3. To promote and support the development of an enterprise and employment campus

at National Enterprise Park/Togher Area. Development shall be plan led and subject

to a masterplan prepared in conjunction with this Draft Local Area Plan;

4. To support and facilitate development on zoned land based on the policies and

objectives of the Laois County Development Plan 2017-2023;

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- 5. To focus new residential development into brownfield sites;
- 6. To protect, conserve and enhance the built, natural and cultural environment, through promoting awareness, utilising relevant heritage legislation and promoting good quality urban design;
- 7. To require the preparation and assessment of all planning applications in the plan area to have regard to the information, data and requirements of the Appropriate Assessment Natura Impact Report, SEA Environmental Report and Strategic Flood Risk Assessment Report that accompany this Draft LAP;
- 8. To require projects to be fully informed by ecological and environmental constraints at the earliest stage of project planning and any necessary assessment to be undertaken, including assessments of disturbance to habitats and species, where required.

On the basis of the above it is the key policy of the Council to:

- 1. Implement the development strategies for Portlaoise in order to be consistent with, and in accordance with policies of higher tier plans;
- Support strategic enterprise and employment opportunities at other appropriate locations in Portlaoise and environs, having regard to proper planning and sustainabledevelopment and relevant development control standards;
- 3. Facilitate and promote Portlaoise's role as a "Principal Town" as designated in the MRPGs and Laois County Development Plan 2017-2023;
- 4. Monitor and manage the delivery of population and housing in Portlaoise, in line withnational, regional and county level objectives, through the development strategy in this plan and also through the development management process. To cooperate with the Eastern and Midland Regional Assembly as part of the monitoring and review approach;
- 5. Implement the policies and objectives of the Portlaoise Public Realm Strategy "2040 and Beyond: A Vision for Portlaoise".

3.1 PORTLAOISE LAP & NATURA CONSERVATION MANAGEMENT

The Portlaoise LAP sets out an overall strategy for the proper planning and sustainable development of Portlaoise. It is clear from strategic objectives of the Plan, as outlined above, that it is not necessary for the management of any European Site for nature

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conservation purposes. Therefore consideration is given to the Plan and whether it has the potential to result in likely significant effects to European Sites and their Conservation Objectives.

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4.0 IDENTIFICATION OF EUROPEAN SITES WITHIN THE ZONE OF INFLUENCE OF THE

PORTLAOISE LAP

In order to identify the European Sites that could be significantly affected by the

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implementation of the Portlaoise LAP an initial long-list of sites occurring within a 15km

radius of the LAP area (to be referred to as the study area) has been compiled. The

establishment of a 15km buffer area surrounding the LAP area is in line with the DAHLG

recommended procedures for identifying European Sites. The buffer distance of 15km was

also considered sufficient to ensure all potential impacts to European Sites arising from the

implementation of the Plan were taken into account (see Section 4.1 below for more

information).

4.1 **IDENTIFICATION OF THE ZONE OF INFLUENCE OF THE LAP**

As no European Sites occur within the boundary of the LAP, European Sites were identified

as occurring within the zone of influence of the LAP where connections and pathways

between the LAP area and surrounding European Sites occur. A review of the pathway and

connections between the LAP and surrounding European Sites has confirmed that the LAP

Area is not connected to any European Sites beyond a 15km radius of the area. Given the

absence of any connections or pathways to European Sites beyond 15km it was considered

acceptable to restrict the screening of all likely significant effects that may arise from Plan to

a radius of 15km from the Plan boundary. This approach is also in line with the

recommendations of the DEHLG (2010) guidelines, which recommend all European Sites

occurring within the 15km have been examined at the Screening stage.

4.2 **EUROPEAN SITES WITHIN 15KM OF THE PLAN**

A total number of seven European Sites, comprising fiveSACs and two SPAs, were identified

within a 15km radius of the LAP area (see Figures 4.1 and 4.2). These European Sites along

with their qualifying features of interest and their dominant habitat and species

characteristics are presented in Table 4.1.

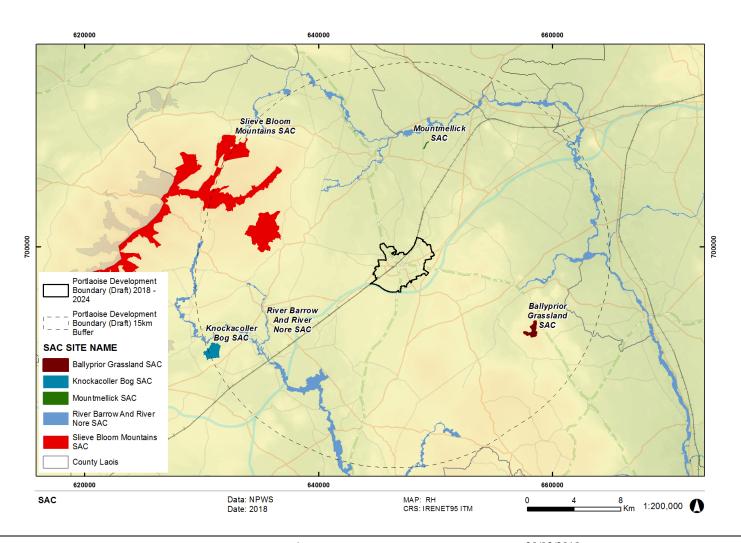
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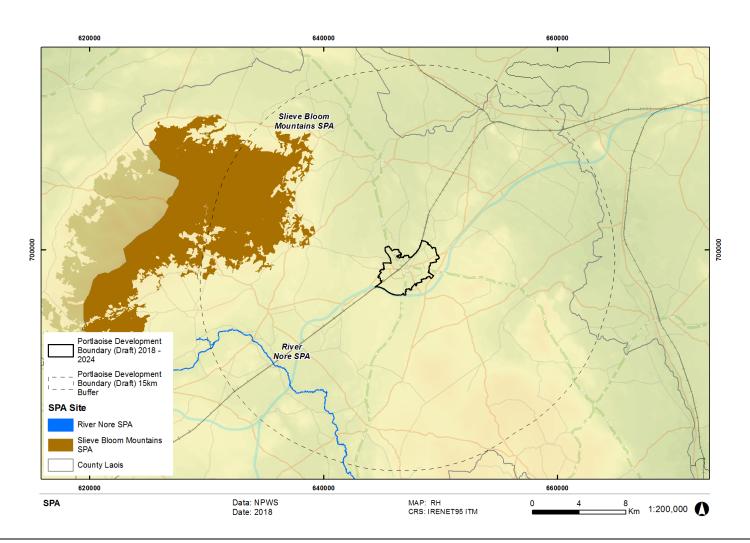
Figure 4.1: SACs within 15km of the Portlaoise LAP Boundary



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Figure 4.2: SPAs within 15km of the Portlaoise LAP Boundary



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Table 4.1: European Sites within 15km of the Portlaoise LAP Area

Site Name	Qualifying Features of Interests	Dominant Habitat Feature	Qualifying Species: Mobile or Sedentary
SACs			
Slieve Bloom Mountains SAC (000412)	Northern Atlantic wet heaths with <i>Erica tetralix</i> [4010] Blanket bog (*active only) [7130] Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae) [91E0]		NA
River Barrow and River Nore SAC (002162)	Vertigomoulinsiana[1016]Freshwater pearl mussel (Margaritifera margaritifera)[1029]White-clawed crayfish (Austropotamobius pallipes)[1092]Sea lamprey (Petromyzon marinus)[1095]Brook lamprey (Lampetra planeri)[1096]River lamprey (Lampetra fluviatilis)[1099]Allis shad (Alosa alosa)[1102]	Woodland	Mobile Sedentary

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Site Name	Qualifying Features of Interests	Dominant Habitat Feature	Qualifying Species: Mobile or Sedentary
	Twaite shad (Alosa fallax fallax) [11	103]	
	Salmon (Salmo salar) [11	106]	
	Estuaries [11	130]	
	Mudflats and sandflats not covered by seawater at low tide [11	140]	
	Salicornia and other annuals colonizing mud and sand [13	310]	
	Spartina swards (Spartinion maritimae) [13	320]	
	Atlantic salt meadows (Glauco-Puccinellietalia maritimae) [13	330]	
	Otter (Lutra lutra) [13	355]	
	Mediterranean salt meadows (Juncetalia maritimi) [14	410]	
	Killarney fern (<i>Trichomanes speciosum</i>) [14	421]	
	Pearl mussel (Margaritifera durrovensis) [19	990]	
	Water courses of plain to montane levels with the Ranunculion fluita	intis	
	and Callitricho-Batrachion vegetation [32	260]	
	European dry heaths [40	030]	
	Hydrophilous tall herb fringe communities of plains and of the mont	tane	
	to alpine levels [64	430]	
	Petrifying springs with tufa formation (Cratoneurion) [72	220]	
	Old sessile oak woods with Ilex and Blechnum in British Isles [91	LA0]	

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Site Name	Qualifying Features of Interests	Dominant Habitat Feature	Qualifying Species: Mobile or Sedentary
	Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae) [91E0]		
Mountmellick SAC (002141)	Vertigo moulinsiana [1016]	NA	Sedentary
Ballyprior Grassland SAC (002256)	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco Brometalia)(*important orchid sites) [6210]	Grassland	NA
Knockacoller Bog SAC (002333)	Active raised bogs [7110]	Peatland	NA
	Degraded raised bogs still capable of natural regeneration [7120]		
	Depressions on peat substrates of the Rhynchosporion [7150]		

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Site Name	Qualifying Features of Interests	Dominant Habitat Feature	Qualifying Species: Mobile or Sedentary
SPAs			
River Nore SPA (004137)	Kingfisher (<i>Alcedo atthis</i>) [A229]	Waterbody	Mobile
Slieve Bloom Mountains SPA (004160)	Hen Harrier (<i>Circus cyaneus</i>) [A082]	Peatland	Mobile

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4.3 EUROPEAN SITES WITHIN THE ZONE OF INFLUENCE OF THE PORTLAOISE LAP

Following the identification of all European Sites occurring within a 15km radius of the Plan

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area, the next step in the Screening is the identification of those European Sites occurring

within the zone of influence of the Plan. As the nearest European Site (the River Barrow and

River Nore SAC) is located over 5km (as the crow flies) from the Plan area, the Plan will not

have the potential to result in direct impacts to European Sites. Thus this Screening exercise

focuses on investigating whether the Plan will have the potential to result in indirect effects

to European Sites or effect mobile species associated with European Sites beyond the

boundaries of their designated conservation areas.

A source-pathway-receptor model has been used to establish which European Sites could

occur within the zone of influence of potential indirect impacts. Under such a model the Plan

and its land use elements represent the source.

Potential impact pathways are restricted to hydrological pathways and the potential for

mobile qualifying species of European Sites to interact with the Plan and its land use

elements.

The receptors represent European Sites and their associated qualifying features of interest.

European Sites and their associated qualifying features are likely to occur in the zone of

influence of the project only where hydrological pathways establish a link between the

project and the European Site or where there is potential for qualifying species of

surrounding European Sites to interact with or be affected by land use elements of the Plan.

Other impact pathways such as aerial emission pathway, lighting and disturbance pathways

are not considered to have the potential to link the Plan area to surrounding European Sites

due to the distance between the Plan area and these European Sites.

Table 4.2 provides a determination as to whether each European Site within a 15km buffer

distance of the Plan area occurs within the zone of influence of the Plan. This determination

has been undertaken in line with the following assessment questions:

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- Is there hydrological pathway link between the Plan area and European Sites?
- Are qualifying habitats of these European Sites at risk of experiencing impacts as a result of the project?
- Does the Plan areahave the potential to interact and affect Annex II qualifying species/ special conservation interest species of these European Sites?

Table 4.2 below shows that of the seven European Sites occurring within a 15km radius of the Plan area, only the River Barrow and River Nore SAC occurs within the zone of influence of the Plan.

As all other European Sites are not connected to the Plan areavia an impact pathway they do not occur within the zone of influence of the project and are screened out at this stage of the Screening process. Thus the remainder of this Screening will investigate whether the project has the potential to result in likely significant effects to the conservation objectives of the River Barrow and River Nore SAC.

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Table 4.2: Identification of European Sites within the Zone of Influence of the Plan

European Sites	Distance from Plan area	Hydrological Pathway	Do qualifying habitats occur within the zone of influence of the project.	Does the Project have the potential to interact with Mobile Species	Do European Sites occur within the Projects Zone of Influence?
Slieve Bloom Mountains SAC (000412)	6.2km to the west	No. This SAC does not occur downstream of the Plan area.	No. This SAC is designated for terrestrial peatland habitats and alluvial woodland habitats, located at a remote distance from and upstream of the Plan area.	No. No Annex 2 species are listed as qualifying features of interest for this SAC.	No. No impact pathways link the Plan areato this SAC.
River Barrow and River Nore SAC (002162)	5.8km to the northwest	Yes. The Triogue River flows through the Plan Area and this watercourse is a direct tributary of this SAC (see Figure 4.3).	This SAC is designated for it role in supporting a range of coastal and estuarine habitats, terrestrial habitats and freshwater habitats. None of the SACs coastal and estuarine habitats or terrestrial habitats occur within the zone of influence of the project due to the distance buffering the Plan areafrom these habitats. However	Yes. The River Barrow and River Nore SAC is designated for its role in supporting a range of mobile freshwater qualifying species that include three lamprey species, Atlantic Salmon and otters. These species are known to occur along the Triogue River and this river forms a pathway connecting the Plan area to the freshwater	Yes, this SAC is located within the zone of influence of the Plan.

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the hydrological pathway along the Triogue River forms a direct connection between the Plan area and the freshwater dependent/influenced habitats of the SAC. Given the presence of this connection these habitats are considered to occur within the zone of influence of the Plan. Mountmellick 7.6km to the No. This SAC does not occur No. No Annex 1 qualifying habitats No. This SAC is designated for its No. No impact pathways	Project Title:	Consoning for Amm		Document Issue: Draji		
Triogue River forms a direct connection between the Plan area and the freshwater dependent/influenced habitats of the SAC. Given the presence of this connection these habitats are considered to occur within the zone of influence of the Plan. Mountmellick SAC (002141) No. This SAC does not occur within the zone of influence of the Plan. No. This SAC is designated for its are listed as qualifying features of interest for this SAC. No. This SAC is designated for its role in supporting the Annex 2 species Vertigo moulinsiana. This is a sedentary species and the habitats upon which this species rely are not connected to the Plan area. No. This SAC is designated for its role in supporting the Annex 2 species Vertigo moulinsiana. This is a sedentary species and the habitats upon which this species rely are not connected to the Plan area. No. No. No Annex 2 species are listed as qualifying features of interest for this SAC. No. No impact pathways different surface water catchment to the Plan area. located at a remote distance from for this SAC.	Document Title:	screening for Appr	opriaie Assessmeni	the hydrological nathway along the	habitats of these species occurring	
Connection between the Plan area and the freshwater dependent/influenced habitats of the SAC. Given the presence of this connection these habitats are considered to occur within the zone of influence of the Plan. Mountmellick SAC (002141) Mountmellick SAC (002141) Fig. 1. Solution to the downstream of the Plan area. Mountmellick SAC (002141) Mountmellick SAC (002141) Fig. 1. Solution to the downstream of the Plan area. Mountmellick SAC (002141) Fig. 1. Solution to the downstream of the Plan area. Mountmellick SAC (002141) Fig. 1. Solution to the downstream of the Plan area. No. No Annex 1 qualifying habitats or role in supporting the Annex 2 species Vertigo moulinsiana. This is a sedentary species and the habitats upon which this species rely are not connected to the Plan area. Fig. 1. Solution to the Plan area to this solution and the plan area. No. This SAC is designated for its role in supporting the Annex 2 species and the habitats upon which this species rely are not connected to the Plan area. No. No Annex 2 species are listed as qualifying features of interest of the Plan area to this species are listed as qualifying features of interest the Plan area to this species are listed as qualifying features of interest the Plan area. No. No Annex 2 species are listed as qualifying features of interest the Plan area of the Plan area to this species are listed as qualifying features of interest the Plan area.						
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				the Plan area.		

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Knockacoller Bog SAC (002333)	14.2km to the southwest	No. This SAC is located within a different surface water catchment to the Plan area.	No. This SAC is designated for terrestrial peatland habitats, located at a remote distance from the Plan area.	No. No Annex 2 species are listed as qualifying features of interest for this SAC.	No. No impact pathways link the Plan areato this SAC.
River Nore SPA (004137)	9.8km to he southwest	No. This SPA is located within a separate surface water catchment to the Plan area.	No. No suitable habitats upon which the kingfisher relies occur within the Plan area. The Triogue Stream flowing through the Plan areadoes not support suitable breeding habitat (such as steep natural banksides) or foraging habitat (such as mature, depositing rivers with good fish stocks) for kingfisher. In addition there are no records for the occurrence of kingfisher along the Triogue River.	No. The Plan areadoes not support habitats upon which kingfishers rely and they are not likely to routinely or habitually interact with the Plan area.	No. No impact pathways link the Plan areato this SPA.
Slieve Bloom Mountains SPA (004160)	6.5km to the west	No. This SPA does not occur downstream of the Plan area.	No. No habitats upon which the Hen Harrier relies occur within the Plan area.	No. The Plan areadoes not support habitats upon which the Hen Harrier is known to rely and they are not likely to routinely or	No. No impact pathways link the Plan areato this SPA.

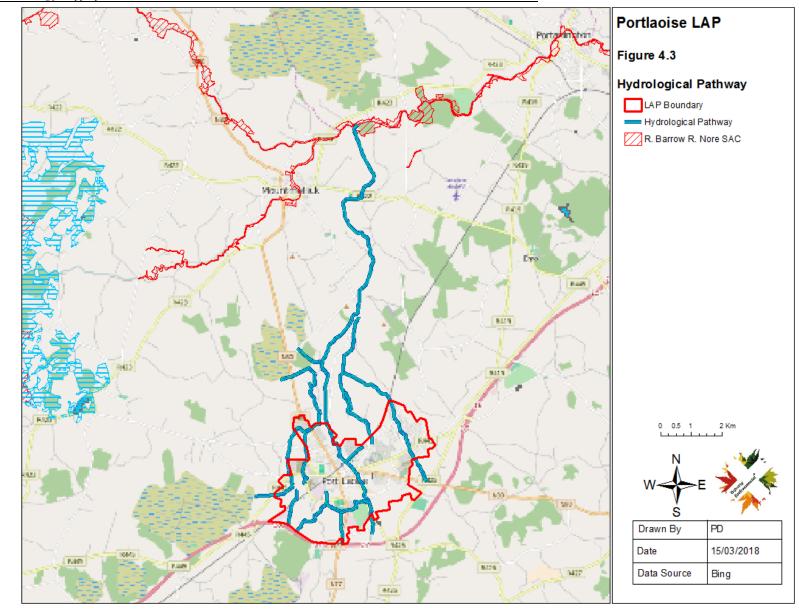
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					habitually interact with the Plan	
					area.	

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4.4 OVERVIEW OF THE RIVER BARROW AND RIVER NORE SAC

The River Barrow and River Nore cSAC spans a wide area of central and eastern Ireland, passing through eight counties in all (Offaly, Laois, Kildare, Carlow, Kilkenny, Tipperary, Wexford and Waterford). The designation covers the river channels and some adjacent terrestrial habitat from their upstream catchments in the Slieve Bloom Mountains to the estuary of the River Barrow at Creadun Head, Waterford. Tributaries of both rivers are also included in the designation.

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4.5 QUALIFYING FEATURES OF INTEREST OF THE RIVER BARROW AND RIVER NORE SAC OCCURRING IN THE ZONE OF INFLUENCE OF THE PLAN

The River Barrow and River Nore SAC is designated for a range of estuarine, lotic and riparian Annex 1 habitats, as well as lotic and terrestrial Annex 2 species. The qualifying features of interest of this SAC are outlined in Table 4.3.

Table 4.3: Qualifying Features of Interest of the River Barrow and River Nore SAC

Qualifying habitats/Qualifying Species Type	Qualifying feature of interest
Coastal/Estuarine	Estuaries
	Mudflats and sandflats not covered by seawater
	at low tide
	Reefs
	Salicornia and other annuals colonising mud and
	sand
	Atlantic salt meadows (Glauco-Puccinellietalia
	maritimae)
	Mediterranean salt meadows (Juncetalia
	maritimi)
Terrestrial	European dry heaths
	Old sessile oak woods with Ilex and Blechnum in
	the British Isles
	Trichomanes speciosum (Killarney Fern)

Surface Freshwater	Water courses of plain to montane levels with
	the Ranunculion fluitantis and Callitricho-
	Batrachion vegetation (to be referred to as
	"Floating River Vegetation".
	Hydrophilous tall herb fringe communities of
	plains and of the montane to alpine levels (to be
	referred to as Tall Herb Fringe Communities")
	Alluvial forests with Alnus glutinosa and Fraxinus
	excelsior (Alno-Padion, Alnion incanae, Salicion
	albae) (to be referred to as Alluvial Forests)
	Vertigo moulinsiana (Desmoulin's Whorl Snail)
	Margaritifera margaritifera Margaritifera
	durrovensis
	Austropotamobius pallipes (White-clawed
	Crayfish)
	Petromyzon marinus (Sea Lamprey)
	Lampetra planeri (Brook Lamprey)
	Lampetra fluviatilis (River Lamprey)
	Alosa fallax fallax (Twaite Shad)
	Salmo salar (Salmon)
	Lutra lutra (Otter)
	Vertigo moulinsiana (Desmoulin's Whorl Snail)
Groundwater	Petrifying springs with tufa formation
	(Cratoneurion)
	Vertigo moulinsiana (Desmoulin's Whorl Snail)

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All coastal and estuarine qualifying habitats of this SAC are located at a remote distance from the project site and are not located within the zone of influence of the project. No examples of terrestrial qualifying habitats or species occur within the zone of influence of the project. The location of these features, as mapped in the Site Specific Conservation Objectives (SSCOs) (NPWS, 2011) for this SAC are located at remote distance from the project site. No groundwater habitats or species occur within the zone of influence of the project. The location of these features, as mapped in the Site Specific Conservation Objectives (SSCOs) (NPWS, 2011) for this SAC are located at remote distance from the project site.

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It is the freshwater qualifying habitats and species of this SAC that require further examination to determine which, if any, of these occur within the zone of influence of the project.

A review of aerial imagery does not indicate the presence of any alluvial woodland habitats occurring downstream along the River Barrow main channel in the vicinity of the Triogue River confluence and a review of Map 6 of the published SSCOs (NPWS, 2011) for this SAC indicates that the nearest example of this habitat to the confluence of the Triogue River and River Barrow is approximately 50km downstream along the main channel of the River Barrow. In light of the distance between the project site and examples of this qualifying habitat, and the fact that a number of other watercourses discharge into the Barrow between the Triogue and Barrow, thereby diluting the waters of the Triogue River downstream, this habitat is not considered to lie within the zone of influence of the project.

The overall extent of hydrophilous tall herb fringe communities within the SAC is currently unknown. As such it is assumed that examples of this habitat occur downstream of the Triogue and Barrow confluence and within the zone of influence of the project.

The overall extent of the floating river vegetation habitat within the SAC is currently unknown. It is noted that the basis for the inclusion of this Annex 1 habitat on the list of qualifying habitats for this SAC is the presence of an excellent example of this community associated with extensive tufa deposits on the riverbed of the Kings River, which is a tributary of the River Nore. While this example of floating river vegetation is not hydrologically linked to the Plan area, it is possible that other examples of this qualifying habitat occur along the main channel of the River Barrow, downstream of the confluence of the Triogue River. As such this qualifying habitat is considered to occur within the zone of influence of the project.

Distribution maps of Annex 2 qualifying species of the SAC indicate that populations of the white-clawed crayfish occur a short distance downstream of the Triogue River and River Barrow confluence (approximately 10km downstream from the Plan area). No other Annex 2 qualifying species are mapped in close proximity to the confluence. It is assumed that all qualifying fish species and otters occur along the River Barrow at the confluence point. Client: Laois County Council Project Title: Portlaoise Local Area Plan

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These species are also known to occur along the River Triogue and the populations present

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along this river and associated with the populations occurring within the SAC. Thus in light of

the above the qualifying features of interest of the SAC that occur within the zone of

influence of the project are:

Floating River Vegetation; Tall Herb Fringe; White-clawed crayfish; Otter; and qualifying fish

species, including Atlantic Salmon, Brook Lamprey, River Lamprey and Sea Lamprey.

4.6 CONSERVATION OBJECTIVES FOR INTEREST FEATURES OF EUROPEAN SITES OCCURRING

WITHIN THE ZONE OF INFLUENCE OF THE PROJECT

Generic conservation objectives for all European Sites have been established by the National

Parks and Wildlife Service (NPWS). The generic conservation objective for the two habitats

occurring within the zone of influence of the project is to maintain the favourable

conservation status of these habitats. The favourable conservation status of these habitats is

achieved when:

its natural range, and area it covers within that range, are stable or increasing, and

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.

The generic conservation objective for the qualifying species occurring within the zone of

influence of the project is to maintain or restore the favourable conservation status of these

species. This 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, and

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.

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Detailed Site-Specific Conservation Objectives (SSCOs) have been published for the River

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Barrow and River Nore SAC and the qualifying features of interest of this SAC that occur

within the zone of influence of the project. These SSCOs are outlined in the Natura Impact

Report for the Portlaoise LAP.

THREATS & PRESSURE TO THE RIVER BARROW AND RIVER NORE SAC & THE QUALIFYING 4.7

FEATURES OF INTEREST OCCURRING WITHIN THE PLAN ZONE OF INFLUENCE

Threats and pressures to the European Sites and qualifying features of interest in Ireland

have been documented by the National Parks and Wildlife Service at two levels, namely at

the European Sites level and at the qualifying feature of interest/ Annex 1 habitat and Annex

2 species level. The threats and pressures to European Sites are documented by the NPWS in

the Natura 2000 - Standard Data Forms for each SAC. The Natura 2000 - Standard Data

Forms for the River Barrow and River Nore SAC available at

https://www.npws.ie/sites/default/files/protected-sites/natura2000/NF002162.pdf. The

threats and pressures to individual habitats and species listed on Annex 1 and Annex 2 of the

Habitats Directive have been documented at a national level in Ireland's most recent Article

17 submission to the EU, titled The Status of EU Protected Habitats and Species in Ireland

(NPWS, 2013).

Table 4.4 lists the threats and pressures to the River Barrow and River Nore SAC at the SAC

site level and toeach of the qualifying features of interest of the River Barrow and River Nore

SAC occurring within the zone of influence of the Plan. Table 4.5 then groups these threats

and pressures under impact types. The broad elements of the Plan that could give rise to

these impact type are also listed in Table 4.5 so that relationship between the land use

elements of the plan, the impacts that could arise from them and the existing threats and

pressures to qualifying features of interest and the River Barrow and River Nore SAC are

identified.

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Table 4.4: Documented Threats & Pressures to the River Barrow and River Nore SAC & its Qualifying Features of Interest occurring within the Zone of Influence of the Plan

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Site Features	Threats & Pressures		
River Barrow and River Nore	Forest and Plantation management & use		
SAC (Site Level)	Pollution to surface waters (limnic, terrestrial, marine & brackish)		
	Use of fertilizers (forestry)		
	Intensive cattle grazing		
	Erosion		
	Motorized nautical sports		
	Forestry activities not referred to above		
	Human induced changes in hydraulic conditions		
	Changes in abiotic conditions		
	Invasive non-native species		
	Agricultural intensification		
	Modifying structures of inland water courses Intensive fish farming,		
	intensification		
	Water abstractions from surface waters		
	Peat extraction		
	Fishing and harvesting aquatic resources		
	Port areas		
	Removal of hedges and copses or scrub		
	Industrial or commercial areas		
	Reduction in migration/ migration barriers		
	Dredging/ removal of limnic sediments		
	Estuarine and coastal dredging		
	Netting		
	Leisure fishing		
Floating River Vegetation	Diffuse pollution to surface waters due to agricultural and forestry		
	activities.		
	Pollution to surface waters by industrial plants		
	Mechanical removal of peat		
	Modification of hydrographic functioning, general		
Tall Herb Fringe	Agricultural intensification		

	Crazing	
	Grazing	
	Pollution to surface waters	
	Invasive non-native species	
	Landfill, land reclamation and drying out, general	
White-clawed crayfish	Invasive non-native species	
	Leisure fishing	
	Dredging/ removal of limnic sediments	
	Management of aquatic and bank vegetation for drainage purposes	
	Introduction of disease	
	Pollution to surface waters	
Otter	Roads, motorways	
	Professional passive fishing	
	Pollution to surface waters	
Atlantic Salmon	Agricultural intensification	
	Intensive sheep grazing	
	Fertilisation	
	Artificial planting on open ground (non-native trees)	
	Forest replanting (non native trees)	
	Use of fertilizers (forestry)	
	Peat extraction	
	Disposal of household / recreational facility waste	
	Disposal of industrial waste	
	Intensive fish farming, intensification	
	Poaching	
	Pollution to surface waters by industrial plants	
	Diffuse pollution to surface waters due to agricultural and forestry	
	activities	
	Diffuse pollution to surface waters due to household sewage and waste	
	waters	
	Invasive non-native species	
	Modification of hydrographic functioning, general	
	Water abstractions from surface waters	
	Management of aquatic and bank vegetation for drainage purposes	
Lamprey Species	Canalisation	
Lampley Species		
	Reduction in migration/ migration barriers	

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Pollution to surface waters

Siltation rate changes, dumping, depositing of dredged deposits

Diffuse pollution to surface waters due to agricultural and forestry activities

Other point source pollution to surface water

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Table 4.5: Summary of Threats & Pressures and Relationship to the LAP

Impact Type			Threats & Pressures	Plan Elements
Agriculture,	Forestry	&	Forest and Plantation management	The Plan has been prepared to
Turbary			& use	provide a framework for the
			Use of fertilizers (forestry)	future growth, development and
			Intensive cattle grazing	improvement of Portlaoise town.
			Erosion	It does not contain any policies,
			Agricultural intensification	objectives or zoning that relate to
			Peat extraction	agriculture, forestry or turbary
			Removal of hedges and copses or	activities.
			scrub	
			Diffuse pollution to surface waters	
			due to agricultural and forestry	
			activities.	
			Mechanical removal of peat	
			Grazing	
			Intensive sheep grazing	
			Fertilisation	
			Artificial planting on open ground	
			(non-native trees)	
			Forest replanting (non native trees)	
			Human induced changes in	
			hydraulic conditions	
			Changes in abiotic conditions	
			Water abstractions from surface	
			waters	

	Drainage	
	Poaching	
Residential, Commercial,	Modifying structures of inland	The Plan contains Policies,
Industrial & Infrastructural	water courses	Objectives and Land Use Zoning
Development	Canalisation	relevant to future residential,
	Human induced changes in	commercial, industrial and
	hydraulic conditions	infrastructural development in the
	Modification of hydrographic	Plan area.
	functioning	
	Changes in abiotic conditions	The key elements of the Plan that
	Invasive non-native species	could exacerbate these threats
	Water abstractions from surface	and pressures are population
	waters	growth, water use and surface
	Industrial or commercial areas	water and wastewater generation,
	Pollution to surface waters	the generation of waste, changes
	Pollution to surface waters by	in land use and the promotion and
	industrial plants	development of recreation,
	Other point source pollution to	tourism, leisure and amenity
	surface water	facilities that are connected to the
	Diffuse pollution to surface waters	River Triogue and also the River
	due to household sewage and	Barrow and River Nore SAC
	waste waters	downstream.
	Siltation rate changes, dumping,	
	depositing of dredged deposits	
	Landfill, land reclamation and	
	drying out, general	
	Roads, motorways	
	Disposal of household / recreational	
	facility waste	
	Disposal of industrial waste	
	Removal of hedges and copses or	
	scrub	
Recreational Activity	Erosion	The Plan contains Policies,
	Human induced changes in	Objectives and Land Use Zoning

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hydraulic conditions	relevant to future residential,
Fishing	commercial, industrial and
Pollution to surface waters	infrastructural development in the
Invasive non-native species	Plan area.
Introduction of disease	
Management of aquatic and bank	The key elements of the Plan that
vegetation for drainage purposes	could exacerbate these threats
Poaching	and pressures are population
	growth, changes in land use and
	the promotion and development
	of tourism, leisure and amenity
	facilities.

5.0 LIKELY SIGNIFICANT EFFECTS OF THE PORTLAOISE LAP TO EUROPEAN SITES OCCURRING WITHIN ITS ZONE OF INFLUENCE

Section 4 above has identified the River Barrow and River Nore SAC as the only European Sites within the zone of influence of the Plan and has identified the qualifying features of interest of this SAC that occur within the Plan's zone of influence. The existing threats and pressures to these qualifying feature of interest have been listed in Tables 4.4 and 4.5 and elements of the Plan that have the potential to exacerbate these pressures have been identified.

To recapitulate the findings outlined in Table 4.5 the main elements of the Plan with the potential to result in threats and pressures to the qualifying features of interest of the River Barrow and River Nore SAC occurring within the zone of influence of the Plan relate to:

- Population growth and economic development leading to increases in consumption and waste generation;
- Zoning and potential for adverse effects to surface waters associated with development on newly zoned lands;
- Residential, commercial, industrial and infrastructural development;
- Tourism and recreational development, principally relating to the development of recreational infrastructure such as walking and cycling along and in the vicinity of the Triogue River.

Each of these elements of the Plan will have the potential to result in adverse effects to hydrological processes and surface water quality. Adverse effects to hydrological processes and water quality will have the potential to result in:

- A reduction in the extent, distribution and/or status of floating river vegetation and tall herb fringe habitats downstream of the LAP area;
- Disturbance to otters, Atlantic Salmon, lamprey species and white-clawed crayfish occurring along the Triogue River and the main channel of the River Barrow downstream of the Plan area;

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• A decline in the status of freshwater habitats along the Triogue River and main channel of

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the River Barrow upon which the above listed species rely; and

Reduction in the densities of the above listed species supported by the Triogue River and the

main channel of the River Barrow downstream of the Plan area.

5.1 IN-COMBINATION EFFECTS WITH OTHER PLANS & PROJECTS

As part of the Habitats Directive Article 6(3) assessment process consideration must be given

to the potential for the Plan to combine with other plans or projects to result in cumulative

negative effects to European Sites. Consideration has been given for this Plans potential to

combine with a number of other plans relevant to the wider surrounding area. These plans

include:

Regional Planning Guidelines 2010-2020- to be replaced by Regional Spatial and Economic

Strategies

Eastern Catchment and Flood Risk Assessment and Management Plan (draft)

Eastern River Basin District Management Plan (second cycle in preparation)

• Eastern-Midlands Regional Waste Management Plan 2015

Laois County Development Plan 2017-2023

Laois Local Economic and Community Plan 2016

Laois County Heritage Plan 2014-2019

A Vision for Portlaoise –A strategy for a better town centre 2040 and beyond.

6.0 SCREENING CONCLUSION

The Screening of the Portlaoise LAP as set out above shows that, in the absence of

appropriate mitigation measures, the Plan will have the potential to result in likely

significant effects to qualifying features of interest of the River Barrow and River Nore SAC.

Minogue & Associates 30 20/03/2018

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Due to the potential risk of such effects occurring following the implementation of the Plan it has been concluded that Plan has the potential to result in significant effects to European Sites. As such a Stage 2 Appropriate Assessment and the preparation of an NIR is required.

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