

SEA Environmental Report
Addendum
of the
Proposed Amendments/Material Alterations
to the
Draft Kerry County Development Plan 2015 -
2021



IN ACCORDANCE WITH THE REQUIREMENTS OF THE EUROPEAN
DIRECTIVE 2001/42/EC ON THE ASSESSMENT OF THE EFFECTS OF
CERTAIN PLANS AND PROGRAMMES ON THE ENVIRONMENT
and
THE PLANNING AND DEVELOPMENT (STRATEGIC ENVIRONMENTAL
ASSESSMENT) REGULATIONS 2004 (S.I. No.436 of 2004), AS AMENDED
BY THE PLANNING AND DEVELOPMENT (STRATEGIC
ENVIRONMENTAL ASSESSMENT) REGULATIONS 2011 (S.I. No 201 of
2011)

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1. Introduction and Context

1.1 Introduction to the SEA

Strategic Environmental Assessment is a systematic and effective process for ensuring that environmental issues are taken into account at every stage in the preparation, implementation, monitoring and review of plans, programmes (P/P) and strategies. This report is an addendum to the Environmental Report (ER) of the Strategic Environmental Assessment (SEA) of the Draft Kerry County Development Plan 2015-2021 (here after called the draft plan).

A SEA has run in parallel with the development of the draft plan throughout 2013/2014. A Scoping Report was prepared as the initial stage of the SEA process in April 2013. It was forwarded to statutory and non-statutory consultees for consultation ending on May 23rd, 2013. The report presented, in consultation with key stakeholders, initial understandings of key environmental issues within the study area. Submissions received were incorporated into the next phase of the SEA process - drafting of the Environmental Report (ER). The ER contains the findings of the assessment on the likely significant effects on the environment of the implementation of the draft plan. Under the provisions of Article 6 of the Habitats Directive 92/43/EEC the plan also underwent a Habitats Directive Assessment (HDA) which determined a Stage 2 Appropriate Assessment was required. In addition the draft plan underwent a Strategic Flood Risk Assessment (SFRA). The draft plan, SEA Environmental Report (ER), Natura Impact Report (NIR) and SFRA were subsequently placed on public display for a period of 10 weeks from Friday 24th January, 2014 to Monday 7th April, 2014. In all, 327 no. submissions were received during the consultation period. Each submission was subsequently read, categorised and summarised in the Chief Executives Report (CER) together with the Chief Executives Response and Recommendation(s). The CER was considered by the elected members of Kerry County Council over three meetings held on 28th July 2014, 1st September 2014 and 11th September 2014.

Following these three meetings proposed material alterations were made to the draft plan, as agreed by the elected members. The proposed material alterations are presented in this report and include amendments to the text; policies and objectives of the draft plan. It also includes changes to a number of Public Rights of Way (ROW) and to the Record of Protected Structures (RPS). Material alterations are discussed in further detail in Section 2.1.

This stage of the SEA process is to assess the likely significant effects on the environment of implementing the proposed material alterations to the draft plan as detailed in Section 2.1. This Addendum therefore describes the likely significant effects on the environment of the proposed material alterations to the draft plan and the Environmental Report, where appropriate.

This document should be read in conjunction with the SEA / Environmental Report, NIR and SFRA of the draft plan.

1.2 SEA Process and Progress to Date

SEA is governed by the European Directive 2001/42/EC on the Assessment of the Effects of Certain Plans and Programmes on the Environment (commonly known as the *SEA Directive*). It was transposed into Irish legislation by the European Communities (Environmental Assessment of Certain Plans and Programmes) Regulations 2004 (S.I. 435/2004), amended in Regulations 2011 (S.I. No 200 of 2011) and the Planning and Development (Strategic Environmental Assessment Regulations 2004 (SI 436/2004), amended in Regulations 2011 (S.I. No 201 of 2011).

The SEA process consists of a series of steps or stages that need to be undertaken. These are:

- **Screening** of P/P to establish whether it must undergo an SEA;
- **Scoping** of the details to be provided in the Environmental Report, in consultation with environmental authorities;
- **An Environmental Report** - containing the findings of the assessment on the likely significant effects on the environment of the P/P;
- **Consultation** on the Draft Plan and associated Environmental Report;
- **An SEA Statement** - identifying how environmental considerations and consultations have been integrated into the Final Plan; and
- **Monitoring Programme** of the significant environmental effects of the P/P

This report deals with step 4 of the above process, the incorporation of the public consultation phase of the draft Environmental Report (ER) of the draft plan.

The ER, NIR and SFRA were put on public display for 10 weeks from Friday 24th January, 2014 to Monday 7th April, 2014. In all, 327 submissions were received from the public and statutory bodies in relation to same. All of these submissions were outlined in a Chief Executive Report (CER) which was issued to the members of Kerry County Council. The CER was considered by the elected members over three meetings held 28th July 2014, 1st September 2014 and 11th September 2014. The CER lists the persons or bodies who made submissions or observations; summarises the issues raised by the persons or bodies and gives the response of the Chief Executive (CE) to the issues raised. The CER includes recommendations on material alterations to the plan.

As part of the draft plan public consultation exercise, submissions were received from the Environmental Protection Agency (EPA), Department of the Environment, Community and Local Government, Department of the Arts, Heritage and the Gaeltacht (DAHG), Inland Fisheries Ireland (IFI) and statutory and non-statutory consultees. Submissions related to the inclusion of objectives for the protection of the environment. These have been incorporated into the proposed material alterations to the draft plan, as appropriate, with a view to clarifying and strengthening the environmental objectives of the Plan. This addendum considers the likely significant impacts on the environment as a result of implementing the proposed material alterations to the draft plan. The proposed material alterations are assessed against the environmental objectives set out in the ER. Where a likely

significant effect is identified, mitigation measures are proposed, where appropriate.

2 Review of Proposed Material Alterations to the Draft Kerry County Development Plan 2015-2021

2.1 Material Alterations to the Draft Plan

The CER was discussed over three meetings and outlined a series of recommended material alterations to the plan for consideration by the elected members of KCC. Following consideration of the CER report, the members, by resolution made over 113 material alterations to the draft plan. This Addendum therefore considers the proposed material alterations as adopted by the members and represents the next stage in the SEA process. It can be considered as an addendum to the SEA Environmental Report issued in January 2014. Consistent with the approach in the ER, this addendum document comprises the environmental assessment of the recommended amendments against a schedule of environmental protection objectives (EPOs).

Material alterations were made to Volume 1 and Volume 2 of the draft plan. The former consists of the draft plan or written statement divided into 13 chapters. Volume 2 contains the record of archaeological sites, the Record of PS and public ROW. There were no material alterations made to Volumes 3 or 5 and as such as excluded from this report. Volume 4 relates to various environmental assessments undertaken while drafting the draft plan. Amendments to these reports are contained in this addendum, the addendum to the NIR and the SFRA.

For ease of presentation the material alterations to Volumes 1 and 2 are abbreviated below by each chapter. This should be read in consultation with the October 2014 document - *Proposed Amendments/Material Alterations to the Draft Kerry County Development Plan 2015-2021* for a full description of the proposed material alteration text.

Chapter 1; Introduction

- MA1-1 Additional text to include extra Goal
- MA1-2 Amendment to Goal 1
- MA1-3 Amendment to comply with Government Guidelines
- MA1-4 Clarification regarding Windfarm Guidelines
- MA1-5 Additional S28 Guidelines

Chapter 2; Core Strategy

- MA2-1 Additional text regarding Putting People First
- MA2-2 Amendment to Strategic aims re;Climate change
- MA2-3 Amendment to Strategic aims re;Tourism Development
- MA2-4 Amendment to Core Strategic objectives
- MA2-5 Additional population figures (RPG)
- MA2-6 Additional population figures (CSO)

Chapter 3; Settlement Strategy

- MA3-1 Clarification regarding Settlement Hierarchy

- MA3-2 Additional population figures
- MA3-3 Additional text on urban regeneration
- MA3-4 Amendment to objective US-6
- MA3-5 Additional objective on Village Design

Chapter 4; Economic Development & Employment

- MA4-1 Rewording of paragraph on spatial framework
- MA4-2 Rewording of text
- MA4-3 Additional text on economic activities
- MA4-4 Additional objective on Overall Strategy
- MA4-5 Amendment to objective ES-12
- MA4-6 Additional text regarding Shannon Estuary
- MA4-7 Additional text regarding Tarbert/Ballylongford landbank
- MA4-8 Additional objective on SIFP
- MA4-9 Additional objective on rural Economic Development
- MA4-10 Amendment to objective ES-26
- MA4-11 Additional objectives on Agriculture
- MA4-12 Additional text on Harvest 2020

Chapter 5; Tourism & Recreation

- MA5-1 Amendment to paragraph
- MA5-2 Amendment to objective T-4
- MA5-3 Additional objectives on Activity Tourism
- MA5-4 Additional objectives on Adventure Tourism
- MA5-5 Amendment to objective T-19
- MA5-6 Amendment to objective T-23
- MA5-7 Additional text on "Greenway"
- MA5-8 Amendment to objective T-24
- MA5-9 Additional objective on Wild Atlantic Way
- MA5-10 Additional text on Business Tourism
- MA5-11 Additional objective on Coastal Tourism
- MA5-12 Additional text on Festivals & Events
- MA5-13 Amendment to objective T-40
- MA5-14 Additional objectives on Festival & Events
- MA5-15 Additional text on Heritage & Cultural Tourism
- MA5-16 Additional objectives on Heritage & Cultural Tourism
- MA5-17 Amendment to Objective T-47
- MA5-18 Additional text on Major Attractions
- MA5-19 Additional objective on Urban Tourism

Chapter 6; Retail Strategy

- MA6-1 Additional objective on retail strategy
- MA6-2 Additional objective retail strategy in Regional Towns

Chapter 7; Transport & Infrastructure

- MA7-1 Additional objectives on Sustainable Transport
- MA7-2 Amendment to Objective RD-13
- MA7-3 Amendment to Objective RD-19
- MA7-4 Amendment to Objective RD-22
- MA7-5 Amendment to Objective RD-35
- MA7-6 Amendment to Objective WS-1
- MA7-7 Deletion of text to comply with Guidelines
- MA7-8 Amendment to Objective EP-8
- MA7-9 Additional text & objective on Renewable Energy

Chapter 8; Natural Resources

- MA8-1 Amendment to text relating to quarries
- MA8-2 Amendment to text relating to Fracking
- MA8-3 Amendment to Objective NR-9
- MA8-4 Amendment to Objective NR-10
- MA8-5 Amendment to Objective NR-13
- MA8-6 Amendment to Objective NR-14
- MA8-7 Additional objectives on Forestry Development Guidelines
- MA8-8 Amendment to Objective NR-17
- MA8-9 Additional objective on Fisheries
- MA8-10 Amendment to Objective NR-19
- MA8-11 Amendment to Objective NR-22

Chapter 9; Social Infrastructure & Community Development

- MA9-1 Additional text on social infrastructure
- MA9-2 Amendment to text regarding Age friendly County
- MA9-3 Amendment to Objective SC-4
- MA9-4 Amendment to Objective SC-8
- MA9-5 Additional objective on Social inclusion
- MA9-6 Additional text on social inclusion
- MA9-7 Amendment to text regarding elderly people
- MA9-8 Amendment to Objective SC-38
- MA9-9 Amendments to Public Rights of way
- MA9-10 Additional text on Public open space
- MA9-11 Additional objectives on Burial Grounds

Chapter 10; Natural Environment & Flood Risk Management

- MA10-1 Additional text regarding Heritage/biodiversity plan
- MA10-2 Amendment to Objective NE-18
- MA10-3 Additional objectives regarding water quality
- MA10-4 Amendment to objective NE-22
- MA10-5 Additional objectives regarding Wetlands
- MA10-6 Amendment to Objective NE-29
- MA10-7 Additional text regarding Riparian Buffer Zones
- MA10-8 Additional objective regarding Riparian Buffer Zones
- MA10-9 Additional text regarding Community Woodlands
- MA10-10 Additional objective regarding Community Woodlands
- MA10-11 Additional objective regarding Invasive Species
- MA10-12 Amendment to Objective NE-59
- MA10-13 Additional text regarding Coastal protection
- MA10-14 Additional objective regarding Coastal protection
- MA10-15 Amendment to Objective NE-63
- MA10-16 Additional objective regarding Flood Risk Management
- MA10-17 Additional text regarding Dark Sky Reserve
- MA10-18 Additional objective regarding Dark Sky Reserve

Chapter 11; Built & Cultural Heritage

- MA11-1 Additional text regarding Architectural Heritage
- MA11-2 Amendments to Record of Protected Structures
- MA11-3 Additional objective regarding Architectural heritage

Chapter 12; Zoning & Landscaping

- MA12-1 Additional text regarding Landscape value
- MA12-2 Additional text regarding exempt development
- MA12-3 Amended text regarding Tarbert/Ballylongford landbank

Chapter 13; Development Management Standards

- MA13-1 Additional text regarding biodiversity
- MA13-2 Additional text regarding Sustainability Assessment Report
- MA13-3 Additional text on light pollution
- MA13-4 Additional text on planting & landscaping
- MA13-5 Amendment to car parking requirement
- MA13-6 Amendments regarding roadside signage
- MA13-7 Additional text regarding Extractive industry guidelines
- MA13-8 Additional text regarding Quarries
- MA13-9 Additional text regarding telecommunication masts

2.2 Environmental Assessment of the Proposed Material Alterations to the Draft Plan

This environmental assessment will be carried out in an analytical manner in three phases. The first phase will involve the screening of the proposed material alterations. The second phase will involve an analysis of the proposed material alterations that conflict with Environmental Protection Objectives (EPOs). The third phase will consider any conflicts with Environment Protection Objectives (EPOs) and which are unlikely to be mitigated.

The process of setting the Environmental Protection Objectives (EPOs) is set out in the plan Strategic Environmental Assessment / Environmental Report. Briefly the aim of SEA is to determine and then assess the environmental effects of a proposed P/P on the environment. In order to assess the environmental effects of the proposed P/P, environmental protection objectives need to be established (Schedule 2B (e) of SI No 436/2004). The objectives are essentially methodological measures against which the environmental effects of the P/P can be tested or evaluated. If the environmental protection objectives (EPO) are compiled with in full, then the implementation of the P/P would result in an environmentally neutral impact. EPOs are compiled from a range of environmental factors relevant to the plan and EPOs for the plan are listed below in Sections 2.2.1.

2.2.1 Plan EPOs

Environmental Receptor	Objective
Biodiversity	BO1.1 Protect and conserve international, European and national designated sites and species, including fisheries
	BO1.2 Conserve and enhance habitats and species in non-designated sites, including riparian zones, ecological corridors and green spaces
	BO1.3 Protect terrestrial and aquatic habitats from Invasive Species (flora and fauna)
Population/ Human Health	PO1.1 Facilitate good quality of life based on high-quality residential, working and recreational environments
	PO1.2

Environmental Receptor	Objective
	<p>Protect and enhance medical and community facilities</p> <p>PO1.3 Ensure the health of people living and working in the Plan area by providing a healthy environment</p> <p>PO1.4 Provide sufficient housing to meet the accommodation needs of all sectors of society</p>
Geology/Soils	<p>SGO1.1 Encourage the sustainable re-use of brownfield sites</p> <p>SGO1.2 Protect the geo-diversity of the Plan area by avoiding significant impacts (direct, cumulative, indirect) by development within or adjacent to designated Irish Geological Heritage (IGH) sites</p>
Hydrology/Hydrogeology	<p>WO1.1 Maintain / improve the quality of surface and ground water</p> <p>WO1.2 Promote the use of the full suite of Sustainable Urban Drainage Systems (SUDS)</p> <p>WO1.3 Ensure adequate source protection of drinking water and good quality water supply</p> <p>WO1.4 Maintain and improve the quality of wastewater discharges</p> <p>WO1.5 Sustainably manage the abstraction of water</p>
Air/Climatic Factors	<p>ACO1.1 Minimise greenhouse gas emissions to meet national and international standards</p> <p>ACO1.2 Improve ambient air quality</p>
Material Assets	<p>MAO1.1 Promote and improve sustainable wastewater management, infrastructure and practices</p> <p>MAO1.2 Promote and improve sustainable public water infrastructure</p> <p>MAO1.3 Promote renewable energy infrastructure</p> <p>MAO1.4 Maintain and improve the availability and quality of community related infrastructure, services and facilities</p>
Cultural Heritage	<p>CHO1.1 Protect and conserve archaeological sites and their landscape setting</p> <p>CHO1.2 Protect Built Heritage and Record of Protected Structures (RPS), Architectural Conservation Areas (ACA) and National Inventory of Architectural Heritage (NIAH) designations</p> <p>CHO1.3 Support literary, musical, artistic, sporting and other cultural initiatives</p> <p>CHO1.4 Support the use of the Irish Language</p>

Environmental Receptor	Objective
Landscape	LO1.1 Protect natural and urban landscapes/seascapes of value including scenic views
	LO1.2 Protect landscapes/seascapes including archaeological landscapes from inappropriate development
Flood Risk Assessment and Management	FRO1.1 Ensure sustainable flood risk management practices

2.3 Methodology for the Environmental Assessment

A phased methodology for the screening of material alterations to the draft plan will be undertaken in this addendum.

Phase One – Screening of material alterations to the draft plan

In the first phase the proposed material alterations are evaluated against the Environmental Protection Objectives which were created for the draft plan. Phase 1 is therefore a screening process where material alterations are formally assessed by identifying whether the change(s) would be likely to have either:-

- **No likely interaction with the EPOs** (they are likely to have no interaction with the status of the environment);
- **Likely to improve the status of EPOs** (they are likely to improve the status of the environment)
- **A probable conflicting interaction with EPOs which is unlikely to be mitigated against** (they are likely to significantly conflict with the status of the environment);
- **A potentially conflicting interaction with EPOs which is likely to be mitigated against through compliance with the mitigation measures outlined in the Environmental Report** (they are unlikely to significantly conflict with the status of the environment),
- **An uncertain interaction with EPOs** (the interaction with the status of the environment is uncertain).
- **A neutral interaction with EPOs** (the interaction with the status of the environment is considered neutral)

The material alteration listed on one axis and the Environmental Protection Objectives (EPOs) on the other with each assessed as to its potential effects. A summary of the results of this exercise are set out in a series of matrices in Section 2.4.1 of this report.

Phase Two – Analysis of any conflicts with Environmental Protection Objectives

The second phase identifies only those proposed amendments that are in conflict with the EPOs, this is undertaken in Section 2.4.2. In relation to each proposed amendment, comments are made as to its potential effects on the EPOs and following on from this, potential mitigation measures have been identified and typically include:

- Changes to wording of policy/objective/text

- The removal of the objectives/policy/text that are unsustainable or which do not promote the SEA objectives/policy/text
- The addition of new objectives/policy/text
- The expansion on the wording of an objectives/policy/text

Phase Three - Analyses of proposed objectives that conflict with Environment Protection Objectives (EPOs) and which are unlikely to be mitigated

Having carried out an analysis through Phase 1 and Phase 2 as outlined above, significant issues will be addressed in more detail in Phase 3, where necessary. This is undertaken in Section 2.4.3.

2.4 Phase One – Screening of the Proposed Material Alterations to the Draft Plan

The 10 week consultation period and the resolutions by elected members voted on over three meetings resulted in 113 amendments to the draft plan. This included changes to text; objectives, policies, ROW and the register of PS. The assessment of these 113 material alterations against potential impacts on Environmental Protection Objectives (EPOs) is set out in a matrix provided in Section 2.4.1 of this report.

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2.4.1 Phase 1: Screening of Material Alterations against EPOs

The following table assesses the amendments previously listed against potential impacts on Environmental Protection Objectives (EPOs).

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
Chapter 1; Introduction						
MA1-1 Additional text to include extra Goal						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA1-2 Amendment to Goal 1						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA1-3 Amendment to comply with Government Guidelines	MAO1.4					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.2-1.4; CHO1.1-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						LO1.1-1.2; FR01.1.
MA1-4 Clarification regarding Windfarm Guidelines					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.	
MA1-5 Additional S28 Guidelines	BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.					
Chapter 2; Core Strategy						
MA2-1 Additional text regarding Putting People First	PO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA2-2 Amendment to Strategic aims	BO1.1-1.2;					BO1.3; PO1.2-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
re;Climate change	PO1.1; ACO1.1-1.2; MAO1.1,1.3, FRO1.1					SGO1.1-1.2; WO1.1-1.5; MAO1.4;CHO1.1-1.4;LO1.1-1.2
MA2-3 Amendment to Strategic aims re;Tourism Development	CHO1.1-1.4					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.2-1.4; LO1.1-1.2; FR01.1.
MA2-4 Amendment to Core Strategic objectives	BO1.1-.12; PO1.1; ACO1.1-1.2; MAO1.1,1.3, FRO1.1					BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.4;CHO1.1-1.4;LO1.1-1.2
MA2-5 Additional population figures (RPG)						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA2-6 Additional population figures (CSO)						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						CHO1.1-1.4; LO1.1-1.2; FR01.1.
Chapter 3; Settlement Strategy						
MA3-1 Clarification regarding Settlement Hierarchy						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA3-2 Additional population figures						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA3-3 Additional text on urban regeneration	PO1.1, SGO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA3-4 Amendment to objective US-6	PO1.1, SGO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA3-5 Additional objective on Village Design	PO1.1-1.4					BO1.1-BO1.3; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1
Chapter 4; Economic Development & Employment						
MA4-1 Rewording of paragraph on spatial framework	PO1.1-1.4; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4.					BO1.1-BO1.3; SGO1.1-1.2; WO1.1-1.5; CHO1.1-1.4; LO1.1-1.2; FR01.1
MA4-2 Rewording of text						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-3 Additional text on economic activities						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-4 Additional objective on Overall Strategy	SGO1.1; ACO1.1-1.2		BO1.1-BO1.3;			PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-5 Amendment to objective ES-12						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-6 Additional text regarding Shannon Estuary			BO1.1-BO1.3 FR01.1			PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2;
MA4-7 Additional text regarding Tarbert/Ballylongford landbank	BO1.1-1.3; FR1.1					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-8 Additional objective on SIFP	BO1.1-1.3; FR1.1					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-9 Additional objective on rural Economic Development						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-10 Amendment to objective ES-26	PO1.1-1.3; ACO1.1-1.2					BO1.1-BO1.3; PO1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA4-11 Additional objectives on Agriculture			BO1.1-BO1.3; WO1.1,1.3,1.5; ACO1.1			PO1.1-1.4; SGO1.1-1.2; WO1.2-1.4 ACO1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
MA4-12 Additional text on Harvest 2020						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
Chapter 5; Tourism & Recreation						
MA5-1 Amendment to paragraph						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-2 Amendment to objective T-4	CHO1.1-1.3					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.4; LO1.1-1.2; FR01.1.
MA5-3 Additional objectives on Activity Tourism	PO1.1		BO1.1-BO1.3, WO1.1			PO1.2-1.4; SGO1.1-1.2; WO1.2-1.5; ACO1.1-1.2; MAO1.1-1.4;

Material Alterations made to the draft plan		Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
							CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-4	Additional objectives on Adventure Tourism	PO1.1		BO1.1-BO1.3			PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-5	Amendment to objective T-19	PO1.1		BO1.1-BO1.3			PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-6	Amendment to objective T-23						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-7	Additional text on “Greenway”	PO1.1		BO1.1-BO1.3			PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
MA5-8 Amendment to objective T-24	PO1.1		BO1.1-BO1.3			LO1.1-1.2; FR01.1. PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-9 Additional objective on Wild Atlantic Way			BO1.1-BO1.3			PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-10 Additional text on Business Tourism	ACO1.1-1.2					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-11 Additional objective on Coastal Tourism	PO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
MA5-12 Additional text on Festivals & Events	ACO1.1-1.2					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-13 Amendment to objective T-40	CHO1.1-1.4					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-14 Additional objectives on Festival & Events	ACO1.1-1.2 CHO1.1-1.3;					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; CHO1.4; LO1.1-1.2; FR01.1.
MA5-15 Additional text on Heritage & Cultural Tourism	CHO1.1-1.3					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; ACO1.1-1.2; CHO1.4; LO1.1-1.2; FR01.1.
MA5-16 Additional objectives on Heritage &	CHO1.1-1.3					BO1.1-BO1.3;

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Cultural Tourism						PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; ACO1.1-1.2 CHO1.4; LO1.1-1.2; FR01.1.
MA5-17 Amendment to Objective T-47	CHO1.1-1.3					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.4; ACO1.1-1.2 CHO1.4; LO1.1-1.2; FR01.1.
MA5-18 Additional text on Major Attractions						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA5-19 Additional objective on Urban Tourism	PO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-4; CHO1.1-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						LO1.1-1.2; FR01.1.
Chapter 6; Retail Strategy						
MA6-1 Additional objective on retail strategy	PO1.1; SGO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA6-2 Additional objective retail strategy in Regional Towns	PO1.1; SGO1.1, LO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.2; FR01.1.
Chapter 7; Transport & Infrastructure						
MA7-1 Additional objectives on Sustainable Transport	PO1.1; ACO1.1-1.2; MAO1.4					BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; MAO1.1-1.3; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-2 Amendment to Objective RD-13						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-3 Amendment to Objective RD-19						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-4 Amendment to Objective RD-22						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-5 Amendment to Objective RD-35						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-6 Amendment to Objective WS-1	PO1.3; WO1.3; WO1.1,1.3-1.5, MAO1.1-1.2		BO1.1-BO1.3			PO1.1, 1.2&1.4; SGO1.1-1.2; WO1.2; ACO1.1-1.2; MAO1.3-1.4;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-7 Deletion of text to comply with Guidelines						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-8 Amendment to Objective EP-8			BO1.1-BO1.3			PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA7-9 Additional text & objective on Renewable Energy			BO1.1-BO1.3; WO1.1; MAO1.3			PO1.1-1.4; SGO1.1-1.2; WO1.2-1.5; ACO1.1-1.2; MAO1.1-1.2, 1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
Chapter 8; Natural Resources						
MA8-1 Amendment to text relating to quarries						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

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						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA8-2 Amendment to text relating to Fracking					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.	
MA8-3 Amendment to Objective NR-9	BO1.1-BO1.3; WO1.1,1.4, LO1.1-1.2					PO1.1-1.4; SGO1.1-1.2; WO1.2,1.3&1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; FR01.1.
MA8-4 Amendment to Objective NR-10						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA8-5 Amendment to Objective NR-13	BO1.1-BO1.3 PO1.1					PO1.2-1.4; SGO1.1-1.2;

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						WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA8-6 Amendment to Objective NR-14						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA8-7 Additional objectives on Forestry Development Guidelines	BO1.1-BO1.3; WO1.1,1.4, LO1.1-1.2					PO1.1-1.4; SGO1.1-1.2; WO1.2,1.3&1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; FR01.1.
MA8-8 Amendment to Objective NR-17	LO1.1-1.2					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.2,1.3&1.5; ACO1.1-1.2; WO1.1,1.4MAO1.1-1.4; CHO1.1-1.4; FR01.1.
MA8-9 Additional objective on Fisheries			BO1.1-BO1.3			BO1.1-BO1.3; PO1.1-1.4;

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						SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA8-10 Amendment to Objective NR-19						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA8-11 Amendment to Objective NR-22						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
Chapter 9; Social Infrastructure & Community Development						
MA9-1 Additional text on social infrastructure	PO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4;

Material Alterations made to the draft plan		Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
							LO1.1-1.2; FR01.1.
MA9-2	Amendment to text regarding Age friendly County	PO1.1					BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-3	Amendment to Objective SC-4	PO1.1 & 1.2					BO1.1-BO1.3; PO1.3-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-4	Amendment to Objective SC-8	PO1.1 & 1.2					BO1.1-BO1.3; PO1.3-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-5	Additional objective on Social inclusion	PO1.1 & 1.2					BO1.1-BO1.3; PO1.3-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-6 Additional text on social inclusion	PO1.1 & 1.2					BO1.1-BO1.3; PO1.3-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-7 Amendment to text regarding elderly people						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-8 Amendment to Objective SC-38						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-9 Amendments to Public Rights of way					PO1.1	BO1.1-BO1.3; PO1.2-1.4; SGO1.1-1.2;

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						WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-10 Additional text on Public open space	PO1.1 & 1.3					BO1.1-BO1.3; PO1.2 & 1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA9-11 Additional objectives on Burial Grounds						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
Chapter 10; Natural Environment & Flood Risk Management						
MA10-1 Additional text regarding Heritage/biodiversity plan	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-2 Amendment to Objective NE-18	WO1.1,1.3,1.4					BO1.1-BO1.3;

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						PO1.1-1.4; SGO1.1-1.2; WO1.2&1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-3 Additional objectives regarding water quality	BO1.1-BO1.3 PO1.1					PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-4 Amendment to objective NE-22	BO1.1-BO1.3 PO1.1					PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-5 Additional objectives regarding Wetlands	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-6 Amendment to Objective NE-29	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-7 Additional text regarding Riparian Buffer Zones	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-8 Additional objective regarding Riparian Buffer Zones	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-9 Additional text regarding Community Woodlands	BO1.1-BO1.3 PO1.1					PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-10 Additional objective regarding Community Woodlands	BO1.1-BO1.3 PO1.1					PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-11 Additional objective regarding Invasive Species	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-12 Amendment to Objective NE-59	BO1.1-BO1.3 PO1.1					PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA10-13 Additional text regarding Coastal protection	PO1.1 FR01.1.					BO1.1-BO1.3 PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2;
MA10-14 Additional objective regarding Coastal protection	PO1.1 FR01.1.					BO1.1-BO1.3 PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2;
MA10-15 Amendment to Objective NE-63	PO1.1 FR01.1.					BO1.1-BO1.3 PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2;
MA10-16 Additional objective regarding Flood Risk Management	PO1.1; WO1.2 FR01.1.					BO1.1-BO1.3 PO1.2-1.4; SGO1.1-1.2; WO1.1, 1.3-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2;
MA10-17 Additional text regarding Dark Sky Reserve						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1
MA10-18 Additional objective regarding Dark Sky Reserve						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1
Chapter 11; Built & Cultural Heritage						
MA11-1 Additional text regarding Architectural Heritage	CHO1.1-1.2					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.3-1.4; LO1.1-1.2; FR01.1
MA11-2 Amendments to Record of Protected Structures			CH01.2			BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1,1.3-1.4; LO1.1-1.2; FR01.1
MA11-3 Additional objective regarding Architectural heritage	CHO1.1-1.3					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.4; LO1.1-1.2; FR01.1

Material Alterations made to the draft plan		Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
Chapter 12; Zoning & Landscaping							
MA12-1	Additional text regarding Landscape value	LO1.1-1.2					BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; FR01.1
MA12-2	Additional text regarding exempt development						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1
MA12-3	Amended text regarding Tarbert/Ballylongford landbank						BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1
Chapter 13; Development Management Standards							
MA13-1	Additional text regarding biodiversity	BO1.1-BO1.3					PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA13-2 Additional text regarding Sustainability Assessment Report	PO1.1 & PO1.3; SGO1.1; WO1.2; ACO1.1-1.2; MAO1.2,1.3,1.4 & FRO1.1					BO1.1-BO1.3 PO1.2 & 1.4; SGO1.2; WO1.1,1.3-1.5;; MAO1.1; CHO1.1-1.4; LO1.1-1.2;
MA13-3 Additional text on light pollution						BO1.1-BO1.3 PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA13-4 Additional text on planting & landscaping	PO1.1 BO1.1-BO1.3					PO1.2-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA13-5 Amendment to car parking requirement						BO1.1-BO1.3 PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2;

Material Alterations made to the draft plan	Likely to Improve Status of EPOs	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Uncertain Interactions with EPOs	Neutral Impacts with EPOs	No Likely Interaction with EPOs
						MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.
MA13-6 Amendments regarding roadside signage	LO1.1					BO1.1-BO1.3 PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4;LO1.2; FR01.1.
MA13-7 Additional text regarding Extractive industry guidelines	BO1.1-BO1.3 PO1.1 SGO1.1-1.2 WO1.1 CHO1.1-2					PO1.2-1.4;; WO1.2-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.3-1.4; LO1.1-1.2; FR01.1.
MA13-8 Additional text regarding Quarries	LO1.1-1.2 SGO1.1-1.2 PO1.1					BO1.1-BO1.3 PO1.2-1.4; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; FR01.1.
MA13-9 Additional text regarding telecommunication masts	LO1.1 PO1.1					BO1.1-BO1.3; PO1.2-1.4;SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.2; FR01.1.

2.4.2 Phase Two: Analyses of Material Alterations to the Draft Plan that conflict with Environment Protection Objectives (EPOs)

Material Alterations to the draft plan	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Neutral Impacts with EPOs	Comments	Mitigation Recommended
MA1.4 Clarification regarding Windfarm Guidelines			BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.	Guidelines on windfarm development have yet to be issued by the relevant department. Until such time it is unknown what impacts such guidelines will have on EPOs.	None required – until the National Guidelines are issued, renewable energy projects – including windfarm development – will follow the county's Renewable Energy Strategy (RES) as adopted. The RES underwent a SEA and AA. Further to adherence to this strategy no significant effects on the environment are considered likely from RE projects.
MA4.4 Additional objective on Overall Strategy		BO1.1-BO1.3		Recommended that this objective is amended to include for sustainable provision of uses identified in the text	Amend text as follows (new text in red) Zone strategic land reserves, at appropriate locations, within the Hub Towns and the Wider Linked Hub to sustainably provide
MA4.6 Additional text regarding Shannon Estuary		BO1.1-BO1.3 FR01.1		Recommended that this objective is amended to include for sustainable industrial development	Amend text as follows (deleted text shown with strike through , new text in red) ...ongoing potential of the Tarbert/Ballylongford landbank for industrial development to be sustainably developed for industry
MA4.11 Additional objectives on Agriculture		BO1.1-BO1.3; WO1.1,1.3,1.5; ACO1.1		Objective promotes agricultural sector and associated entrepreneurial industry. There is the potential for agricultural sector to effect the environment particularly relating to water quality and biodiversity.	None – the objective has caveats that ensure due regard to a range of environmental protection measures.
MA5.3 Additional		BO1.1-BO1.3, WO1.1		Objective promotes access to waterways and other infrastructure	None – the objective has caveats that ensure due regard to a range of

Material Alterations to the draft plan	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Neutral Impacts with EPOs	Comments	Mitigation Recommended
objectives on Activity Tourism				associated with natural heritage at potentially sensitive ecological sites.	environmental protection measures.
MA5.4 Additional objectives on Adventure Tourism		BO1.1-BO1.3		Objective promotes linkages between walking routes. There is the potential that these walks could pass through or run adjacent to sensitive ecological sites.	None – the objective has caveats that ensure due regard to a range of environmental protection measures.
MA5.5 Amendment to objective T-19		BO1.1-BO1.3		Objective promotes walking routes. There is the potential that these walks could pass through or run adjacent to sensitive ecological sites.	None – the objective has caveats that ensure due regard to a range of environmental protection measures.
MA 5.7 Additional text on “Greenway”		BO1.1-BO1.3		Text promotes greenways/routes. There is the potential that these routes could pass through or run adjacent to sensitive ecological sites.	None – the objective has caveats that ensure a range of environmental protection measures will be taken into consideration in the proposed development of any greenway.
MA5.8 Amendment to objective T-24		BO1.1-BO1.3		Objective promotes use of former railway lines. There is the potential that these could pass through or run adjacent to sensitive ecological sites.	None – the objective has caveats that ensure a range of environmental protection measures will be taken into consideration in the proposed development of any former railway line.
MA5.9 Additional objective on Wild Atlantic Way		BO1.1-BO1.3		Objective promotes the Wild Atlantic Way and the provision of associated infrastructure. There is the potential that these could pass through or run adjacent to sensitive ecological sites.	None – the objective has caveats that ensure a range of environmental protection measures will be taken into consideration in any development associated with the WAW.
MA7-6 Amendment to		BO1.1-BO1.3		Additional text relates to the inclusion of the Irish Water's Proposed CIP	No specific mitigation required. The draft plan has sufficient environmental protection

Material Alterations to the draft plan	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Neutral Impacts with EPOs	Comments	Mitigation Recommended
Objective WS-1				2014-2016. This includes a number of infrastructure projects relating to water treatment and waste water treatment. Such projects have the potential to significantly affect the environment, specifically water dependent species and habitats.	measures built into the plan that will ensure sustainable development and proper planning over the lifetime of the plan. See also Appendix 4 for details on infrastructure schemes supported in the draft plan.
MA7-8 Amendment to Objective EP-8		BO1.1-BO1.3		Additional text included in this objective prioritises undergrounding or the selection of alternative routes for powerlines. This could cause impacts on biodiversity – habitats and/or species or cause impacts on surface water systems if crossing of watercourses is required.	None – the objective already qualifies that undergrounding of powerlines will only be considered where it is demonstrated that no significant effects on the environment, no impacts on the ecological integrity of Natura 2000 sites and/or sensitive landscapes.
MA7-9 Additional text & objective on Renewable Energy		BO1.1-BO1.3; WO1.1; MAO1.3		This alteration adds additional text and an objective into the draft plan in relation to the wind farm development. Wind developments are known to impact on a range of environment parameters including biodiversity and water resources. The text added however ultimately seeks to limit further development of new wind farm applications until full capacity is reached in Strategic Areas notably in the Listowel and Tralee Municipal Areas.	None – the objective ultimately seeks to limit further development of wind farms in the Municipal Areas of Listowel and Tralee until Strategic Areas have reached full capacity. All SAs have been previously assessed in the SEA/NIR that accompanied the county’s Renewable Energy Strategy (RES). Further to adherence to this strategy no significant effects on the environment are considered likely.

Material Alterations to the draft plan	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Neutral Impacts with EPOs	Comments	Mitigation Recommended
				This has the potential to impact EPO MAO1.3 which seeks to promote RE.	
MA8-2 Amendment to text relating to Fracking			BO1.1-BO1.3; PO1.1-1.4; SGO1.1-1.2; WO1.1-1.5; ACO1.1-1.2; MAO1.1-1.4; CHO1.1-1.4; LO1.1-1.2; FR01.1.	This alteration adds text into the draft plan that states a fracking proposal will not be considered in the county due to lack of national guidelines. In the absence of Irish specific research on the fracking industry the impacts on EPOs are neutral	None required, further to outcomes of the EPAs research on the fracking industry no proposals will be considered in the county.
MA8-9 Additional objective on Fisheries		BO1.1-BO1.3		The objective promotes aquaculture and the fishing industries which could have a significant effect on biodiversity, coastal habitats and water quality in the marine environment.	None – the objective has caveats that state environmental legislation including the Water Framework Directive and Habitats Directive will have to be adhered to.
MA9.9 Amendments to Public Rights of way			PO1.1	This alteration relates to changes to ROW listed in the draft plan as follows: <ol style="list-style-type: none"> 1. ROW3a amended and ROW 3b omitted 2. Omit ROW19b 3. Omit ROW20 4. Omit ROW29a 5. Omit ROW51 6. Amend ROW34 7. Amend ROW43 8. Include ROW53 9. Include ROW54 	The omissions and amendments to Public ROWs in the draft plan is not an acknowledgement that a PROW does or does not exist. If in the future additional information regarding PROWs becomes available, then their inclusion on the list will be reconsidered. Further to this no mitigation is proposed at this stage as a result of the amendments/omissions to the ROWs listed in the draft plan. Amendment/omissions doesnot promote or demote the ROW or alter its status in any way – it remains the same regardless of its

Material Alterations to the draft plan	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Neutral Impacts with EPOs	Comments	Mitigation Recommended
					inclusion in the draft plan.
MA11-2 Amendments to Record of Protected Structures		CHO1.2		<p>This alteration relates to the omission of the following 9 PS from the register:</p> <ol style="list-style-type: none"> 1. RPS KY040-023 2. RPS KY028-004 3. RPS KY056-034 4. RPS KY029-003 5. RPS KY056-033 6. RPS KY079-026 7. RPS KY092-002 8. RPS KY014-001 9. RPS KY 056-035 	<ol style="list-style-type: none"> 1. The omission from the PS register will be mitigated by inclusion of the PS in a ACA 2. The omission is considered acceptable as the building has little historic fabric remaining and has been considerably altered 3. The omission from the PS register will be mitigated by inclusion of the PS in a ACA 4. The omission is considered acceptable as the building has little historic fabric and has been altered internally and externally. 5. The omission of the structure from the register is considered appropriate at this time due to lack of information about the building. It will be re-examined at another time for inclusion following further research. 6. The omission is considered acceptable as the structure has been damaged and three remaining elements of the complex remain on the register 7. The omission is considered acceptable as the building has little

Material Alterations to the draft plan	Probable conflict with EPOs – unlikely to be mitigated	Potential Conflict with EPOs-likely to be mitigated	Neutral Impacts with EPOs	Comments	Mitigation Recommended
					<p>historic fabric and has been altered internally and externally.</p> <p>8. The omission is considered acceptable as the building has little historic fabric and has been altered internally and externally.</p> <p>9. The omission from the PS register will be mitigated by inclusion of the PS in a ACA</p>

In addition to above recommendations it is recommended that MA10-11 is amended to as follows (amendment in red):

Liaise with the relevant authorities:

- to address the issue of eradicating invasive species using ecologically sound and sustainable methods, and
- to locate appropriate sites in the County for the safe and secure disposal of invasive species and contaminated soil, further to best practice guidelines.

2.4.3 Phase Three: Analyses of Material Alteration that conflict with Environment Protection Objectives (EPOs) and which are unlikely to be mitigated

None of the 113 material alterations proposed to the draft plan that have been identified are unlikely to be mitigated. This stage is not required.

2.5 Summary of the Environmental Assessment of proposed Material Alterations.

Following meetings held in July and September, 2014, 113 material alterations were made to the draft plan by the elected members of KCC. These amendments were screened for significant effects on the environment as detailed above. Further to this process several alterations were deemed likely to have a significant effect on the environment which could be mitigated by either a change in text, addition of new text and/or the existence of safeguards to protect the environment already stated within the draft plan.

3 Amendments to the Environmental Report arising from Public Consultation

This section of the Addendum details proposed amendments to the SEA Environmental Report arising from submissions received during the public consultation phase that directly relate to the Environmental Report (ER). The amendments will be listed, where relevant, in a format that follows each consecutive Chapter of the ER report.

Note Regarding Text in the Following Section

Text in black is text contained within the ER which accompanies the Draft Plan (January 2014) and which is not changing.

Text in green highlights modifications/additions to the text of the ER

Text with ~~strikethrough~~ highlights text that is removed from the ER

3.1 Non-Technical Summary

Several amendments are made to the non-technical summary of the ER as a result of the comments made by EPA. Revisions to the technical summary involve the inclusion of text below as a second paragraph under the heading *Chapter 8*.

Biodiversity

The significant effects of implementing the KCDP 2015-2021 on biodiversity have been outlined in Section 7.2.1. Direct effects would relate to habitat loss or fragmentation as a result of development facilitated by the KCDP 2015-2021. Development could be industrial, domestic or recreational – for example the construction of walkways and greenways. Impacts could also be indirect – indirect habitat loss due to the encroachment of development into sensitive areas and/or cause changes to the conditions that support a site such as a wetland. Indirect impacts are also closely linked to water quality and quantity.

Chapter 10 of the KCDP 2015-2021 outlines the policies and objectives that will govern the protection of the environment over the lifetime of the plan. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. This includes several standards that relate to biodiversity. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on biodiversity by the implementation of the KCDP 2015-2021.

Population/Human Health

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on population/human health are diverse and outlined in Section 7.2.2. The plan will facilitate settlement patterns, economic development, social infrastructure, housing needs and access to recreational facilities. Well being and sense of place are inherently linked to policies that govern protection of the environment, cultural heritage and Gaeltacht areas.

The plan is prefaced with the text that *sustainable communities are defined as 'places where people want to live and work, now and in the future. They meet the diverse needs of existing and future residents, are sensitive to their environment and contribute to a high quality of life. Kerry County Council considers that the promotion of sustainable communities is a prerequisite to the sustainable development of Kerry and will seek to implement this approach.* Further to this overall aim, objectives that relate to population/human health are found throughout KCDP 2015-2021 and appropriate mitigation for possible significant effects on population/human health by the implementation of the draft plan.

Geology/Soils

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on geology/soils predominately relates to objectives/policies that promote the use of brownfield sites over Greenfield sites and are outlined in Section 7.2.3. In an urban context re-use of existing and/or derelict sites is preferred over the development of new lands on the fringes of existing settlements.

The main references to soil/geology in the plan are contained in Chapter 8 Natural Resources and Chapter 10 Natural Environment and Flood Risk Management. Chapter 8 includes a number of strategic objectives that aim to sustainably manage the extractive industry, including extractions from the foreshore. Chapter 10 has specific objectives to protect the county's geological sites of interest (County Geological Sites (CGS)) as identified by GSI. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan including several standards that relate to the extractive industry. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on soil/geology by the implementation of the draft plan.

Hydrology/Hydrogeology

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on hydrology/hydrogeology are potentially direct and indirect and are outlined in Section 7.2.4. Direct impacts could arise from the facilitation of development that could lead to alteration/modifications to water courses, excavations that disturbance ground water and/or loss of riparian habitat. However, indirect impacts on hydrology/hydrogeology are particularly prevalent in the context of implementing the draft plan.

Policies and objectives that relate to the protection of water are found throughout the plan particularly in Chapter 3 Settlement Strategy, Chapter 7 Transport and Infrastructure and Chapter 10 Natural Environment and Flood Risk Management. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. This includes several standards that relate to hydrology/hydrogeology. Other issues of importance to aquatic ecosystems relate to guidelines on development of riparian zones, proposed instream works or works undertaken as part of future flooding alleviation schemes and the assessment and mitigation of impacts from invasive species.

Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on hydrology/hydrogeology by the implementation of the draft plan.

Air/Climate

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on air/climate factors will be local and relate to activities facilitated by the KCDP and are outlined in Section 7.2.5. Population growth in a particular area could result in development that results in more car use with impacts on air quality. Similarly an industrial development could result in a local air quality issue. Climate change particularly in relation to flooding is discussed in the SFRA provided in Volume 4 of the draft plan.

Policies and objectives that relate to the air/climatic factors are found throughout the plan. Climate change is addressed in the Core Strategy of the draft plan and is also specifically addressed in the flood risk assessment.

The link to air/climatic factors is often implied by the objective or will be an indirect outcome of the objective, particularly in relation to air quality. Many of the objectives that relate to sustainable development and sustainable communities are indirectly beneficial to air quality. Similarly, objectives that relate to the promotion of sustainable transport methods or energy efficient building methods again imply an improvement in local air quality as pollution from transport and heating systems are the main causes on local air quality issues. Conversely, objectives and policies that promote growth and development can be viewed as potentially causing further emissions – as noted in the screening of many of the objectives. A balanced approach will be required.

Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on air/climatic factors by the implementation of the draft plan.

Material Assets

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on materials assets will vary on the asset as outlined in Section 7.2.6. Transport infrastructure, as major infrastructure schemes have the potential to effect biodiversity, water, geology and cultural heritage. Works to piers and harbours facilitated by the KCDP could impact on local water quality – coastal and/or estuarine. The KCDP 2015-2021 will facilitate various waste water infrastructure schemes and water supply infrastructure with possible effects on receiving waters from emissions and/or abstractions.

Polices and objectives that relate to material assets are particularly contained in Chapter 4 Economic Development and Employment, Chapter 7 Transport and Infrastructure and Chapter 8 Natural Resources. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on the county's material assets by the implementation of the draft plan.

Cultural Heritage

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on cultural heritage is facilitating development that could adversely impact on this resource as outlined in Section 7.2.7. Archaeological monuments or unknown archaeological deposits could be destroyed or damaged by inappropriate development. Archaeological landscape settings could be impacted if development resulted in a visual impact. Similarly, architectural heritage could be impacted by redevelopment of Protected Structures or inappropriate development within Architectural Conservation Areas. Townscape settings have the potential to be effected by developments not sensitive to the architectural form, scale and/or setting of existing streetscapes. Internal and external development of Protected Structures has the potential to remove historic fabric. Vernacular heritage, including bridges, stone walls, gates and other infrastructure, could be also be impacted by the implementation of the KCDP 2015-2021.

Policies and objectives that relate to cultural heritage are predominately found in Chapter 11 Built and Cultural Heritage. Other objectives that related to cultural heritage are found in Chapter 5 Tourism and Recreation, Chapter 8 Natural Resources and Chapter 10 Natural Environment and Flood Risk Management. There are also several specific policies/objectives on the Irish Language and the Gaeltacht areas. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. This includes several standards that relate to cultural heritage. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on the county's cultural heritage by the implementation of the draft plan.

Landscape

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on landscape particularly related to objectives and polices around rural housing, industrial zoning in the Tarbert/Ballylongford Bank and large scale developments such as on-shore wind farms. This is outlined in Section 7.2.8. In relation to housing in rural areas there is the need to protect rural landscapes from inappropriate development. Similarly the Shannon Estuary requires protection from development that may have an effect on landscape values.

Polices and objectives that relate to landscape are predominately contained in Chapter 12 Zoning and Landscape. This includes the objective to zone the Tarbert/Ballylongford Landbank situated along the Shannon Estuary. Policy outlined in the Rural Settlement Strategy is also likely to have a significant effect on landscape. Further to the above, objectives/policies are deemed appropriate mitigation for possible significant effects on the county's landscape by the implementation of the draft plan.

Flood Risk Management

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on flood risk is provided in detail in the SFRA, Volume 4 of

the draft plan. The SFRA outlines in more detail the likely significant effects on flooding in the implementing of the plan.

Briefly the SFRA states that the Kerry County Development Plan 2015-2021 does not identify / zone lands for development purposes either on urban lands, within settlements, or for residential purposes. Accordingly the SFRA is largely strategic in nature and should be used for guidance purposes, in conjunction the DEHLG (2009) Guidelines for Planning Authorities on Flood Risk Management. The plan does identify / zone lands for industrial purposes at the location of the Tarbert / Ballylongford landbank. Accordingly this zoning was assessed in greater detail as part of the SFRA and deemed to be acceptable in principle. The SFRA also recommended the inclusion of several objectives into the plan.

Further to the above and the recommendations made in the SFRA contained in Volume 4 of the draft plan, the objectives/policies are deemed appropriate mitigation for possible significant effects in relation to flooding by the implementation of the draft plan.

3.2 Chapter 1 Introduction

There are no amendments to Chapter 1.

3.3 Chapter 2 Methodology for the SEA of the KCDP 2015-2021

There are no amendments to Chapter 2.

3.4 Chapter 3 Policy Context of the SEA for the KCDP 2015-2021

There are no amendments to Chapter 3.

3.5 Chapter 4 Baseline Environment

Details of Waste Water treatment in the county are outlined in Section 4.17.4. This includes a list of waste water plants that require certification/license by the EPA and their status. The section also details waste water schemes that are prioritised for development over the lifetime of the plan. Appendix 4 provides details on the environmental assessments undertaken to date on the proposed waste water infrastructure. The settlement strategy outlined in the draft plan highlights that only settlements with sufficient waste water capacity will be targeted for population growth in the draft plan. Further to the above it is considered that information on waste water treatment is addressed in the Section 4.17.4 of the ER.

In relation to sensitivity mapping and cumulative effects please see additional text added to Chapter 8.

3.6 Chapter 5 Environmental Objectives, Targets and Indicators for the SEA

Table in Section 5.3 amended as shown below.

3.7 Chapter 6 Development of Alternative Scenarios

There are no amendments to Chapter 6.

3.8 Chapter 7 Likely Significant Effects

Elements of the draft plan that are likely to have a significant effect on environment are outlined in Table 7-2. In addition significant effects on the environment further to changes made by the elected members to the draft plan are outlined in Table 7-3.

Mitigation proposed for the objectives/text outlined in Table 7-2 and 7-3 as having a potential to significantly effect the environment are outlined in Chapter 8 – Mitigation – specifically within Section 8.2 and Table 8-1. .

Former objective NR14 was omitted from the plan. NR14 referred to an Integrated Forestry Strategy which is already discussed Section 8.3.1. Section 8.3.1 goes on to state that council will co-operate with various stakeholders in the preparation of a strategy for the county that identifies environmentally sustainable locations. This is similar text to objective NR14.

Amendments to Table in Section 5.3 of ER shown below in green text.

Environmental Receptor	Objective	Target	Indicator
Biodiversity	BO1.1 Protect and conserve international, European and national designated sites and species, including fisheries	No loss or degradation of designated habitats or species, including fisheries	Number of planning applications granted in designated sites
		Applications within/adjacent to a Natura 2000 site that will require an Article 6 Habitats Directive Assessment	Number of Article 6 Habitats Directive Assessments/ Natura Impact Statements undertaken for relevant proposed planning applications
	BO1.2 Conserve and enhance habitats and species in non-designated sites, including riparian zones, ecological corridors and green spaces	No loss/degradation of riparian zones, ecological corridors and green spaces	Number of planning permissions along waterways that incorporate riparian zones
			Number of green spaces retained/extent of additional provision of green spaces
			Qualitative loss of hedgerows
	BO1.3 Protect terrestrial and aquatic habitats from Invasive Species (flora and fauna)	To manage existing, and not cause or spread further, outbreaks of invasive species	The spread or introduction of invasive species (terrestrial and aquatic) in the county
Population/ Human Health	PO1.1 Facilitate good quality of life based on high-quality residential, working and recreational environments	Promote high quality built environment	Number of planning applications accompanied by Urban Design Statements
	PO1.2 Protect and enhance medical and community facilities	Increase in the number of medical and community facilities.	Number of planning applications for medical and community facilities granted planning permission
	PO1.3	No Remedial Action List (RAL)	Number of RAL notices and boil water

Environmental Receptor	Objective	Target	Indicator
	Ensure the health of people living and working in the Plan area by providing a healthy environment	notices or boil water from the EPA over lifetime of the plan	notices
		Maintain or improve levels of ambient SO ₂ , NO _x , and Particulate Matter as indicated by EPA monitoring	Maintaining or improving air quality in the Plan area
		Ensure compliance with relevant noise levels as per planning conditions	Number of enforcement cases taken by the Planning Authority in relation to non-compliance with noise level planning conditions
	PO1.4 Provide sufficient housing to meet the accommodation needs of all sectors of society	Increase housing provision to cater for population increase in all sectors of society	Number of residential units granted planning permission
			Number of people/households on the Housing List provided with accommodation
Geology/Soils	SGO1.1 Encourage the sustainable re-use of brownfield sites	Maximise development on brownfield sites.	Percentage of new developments on brownfield sites
			Number of sites removed from Derelict Sites list
	SGO1.2 Protect the geo-diversity of the Plan area by avoiding significant impacts (direct, cumulative, indirect) by development within or adjacent to designated Irish Geological Heritage (IGH) sites	IGH sites relevant to the Plan to be designated during the lifetime of the plan.	Number of sites designated during the lifetime of the plan.
		Avoidance of significant effects within or adjacent to IGH sites	Planning applications granted adjacent or within IGH sites
Hydrology/Hydrogeology	WO1.1	Achieve "good status" in water	Changes in receiving water quality as

Environmental Receptor	Objective	Target	Indicator
	Maintain / improve the quality of surface and ground water	bodies by 2015.	identified during water quality monitoring for the SI/SWRBMP
			Biotic quality rating of river waters at EPA monitoring locations
	WO1.2 Promote the use of the full suite of Sustainable Urban Drainage Systems (SUDS)	Drainage systems to be compliant with SUDS	Provision of SUDS compliant drainage plans for proposed developments in study area as appropriate
	WO1.3 Ensure adequate source protection of drinking water and good quality water supply	To protect water supply and have water supply schemes taken off the Remedial Action List	Number of water supplies removed from the Remedial Action List over the lifetime of the Plan
			Number of planning applications around Zones of Contribution
			Frequency of water shortage and boil water notices
	WO1.4 Maintain and improve the quality of wastewater discharges	No deterioration to receiving waters from wastewater discharges	Number of planning applications granted that meet relevant EPA standards
			Number of public WWTPs that meet relevant EPA standards
Air/Climatic Factors	ACO1.1 Minimise greenhouse gas emissions to meet national and international standards	Increase percentage of population that travel to work/school/college via public transport versus public transport	Percentage of population that travel to work/school/college via public transport versus public transport
		Increase the extent of cycles lanes and pedestrian infrastructure	Number of new cycles lanes and pedestrian infrastructure provided
		Increase use of renewable energy technology	Number of planning permissions granted for renewable energy projects
	ACO1.2	To maintain and improve ambient	Maintain or improve ambient air quality

Environmental Receptor	Objective	Target	Indicator
	Improve ambient air quality	air quality	
Material Assets	MAO1.1 Promote and improve sustainable wastewater management, infrastructure and practices	To improve sustainable wastewater management, infrastructure and practices	Quality of effluent discharge from wastewater treatment plants
			Upgrades to existing wastewater treatments plants
	MAO1.2 Promote and improve sustainable public water infrastructure	Improve sustainable public water infrastructure	Upgrades to deficient public water infrastructure
	MAO1.3 Promote renewable energy infrastructure	Increase the use of renewable energy technologies	Number of planning permissions granted for renewable technology projects
	MAO1.4 Maintain and improve the availability and quality of community related infrastructure, services and facilities	To maintain or increase community related infrastructure, services and facilities	Number of additional community facilities provided for over the lifetime of the Plan
	MAO1.5 Protect public infrastructure of the county	Protect and improve public infrastructure in the county	Upgrades or improvements to public infrastructure over the lifetime of the plan
Cultural Heritage	CHO1.1 Protect and conserve archaeological sites and their landscape setting	No loss of archaeological sites	Number of planning permissions that require archaeological mitigation
	CHO1.2 Protect Built Heritage and Record of Protected Structures (RPS), Architectural Conservation Areas (ACA) and National Inventory of Architectural Heritage (NIAH) designations	No loss or damage to Record of Protected Structures (RPS), Architectural Conservation Area (ACA) and National Inventory of Architectural Heritage (NIAH) designations	Number of Protected Structure and Architectural Conservation Area designations still in place at the end of the Plan period.
			Number of structures on the RPS or within an ACA damaged or demolished as a result

Environmental Receptor	Objective	Target	Indicator
			of a development
	CHO1.3 Support literary, musical, artistic, sporting and other cultural initiatives	Increase the number of literary, musical, artistic, sporting and other cultural initiatives	Number of events supported by Kerry County Council over the life-time of the Plan.
	CHO1.4 Support the use of the Irish Language	To maintain and support the use of the Irish Language	% of people speaking Irish
Landscape	LO1.1 Protect natural and urban landscapes/ seascapes of value including scenic views	To maintain and enhance features of natural and urban landscapes of value including scenic views	Number of planning applications granted within landscapes of value/scenic views as identified in the CDP.
	LO1.2 Protect landscapes/ seascapes including archaeological landscapes from inappropriate development	The protection of landscapes/ seascapes including archaeological landscapes from inappropriate development	Number of Visual Impact Statements submitted with planning applications
Flood Risk Assessment and Management	FRO1.1 Ensure sustainable flood risk management practices	Adherence to DOEHLG's Guidelines on Flood Risk Management	<p>Number of residential and commercial buildings located in Flood Risk Areas, as outlined in CFRAM studies maps</p> <p>Percentage of development application proposals located in Flood Risk Areas, as outlined in CFRAM studies maps, where Flood Risk Assessment formed part of the Development Consent consideration process</p> <p>Percentage of local area plans prepared in the County which have completed strategic flood risk assessments</p>

3.9 Chapter 8 Mitigation

Chapter 8 records per environmental parameter the potential significant effect of implementing the draft plan. Each section goes on to outline the mitigation that is proposed in the form of objectives and/or policies that are provided in the draft plan. It is considered that this information does clarify what the significant effects are likely as a result of the implementation of the plan and what the proposed mitigation, where relevant, are in the form of policies/objectives in the draft plan. However for clarity the following will be added to Chapter 8 in a new section entitled:

Section 8.3.10 Summary of Significant Effects and Proposed Mitigation.

Biodiversity

The significant effects of implementing the KCDP 2015-2021 on biodiversity have been outlined in Section 7.2.1. Direct effects would relate to habitat loss or fragmentation as a result of development facilitated by the KCDP 2015-2021. Development could be industrial, domestic or recreational – for example the construction of walkways and greenways. Impacts could also be indirect – indirect habitat loss due to the encroachment of development into sensitive areas and/or cause changes to the conditions that support a site such as a wetland. Indirect impacts are also closely linked to water quality and quantity.

Chapter 10 of the KCDP 2015-2021 outlines the policies and objectives that will govern the protection of the environment over the lifetime of the plan. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. This includes several standards that relate to biodiversity. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on biodiversity by the implementation of the KCDP 2015-2021.

Population/Human Health

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on population/human health are diverse and outlined in Section 7.2.2. The plan will facilitate settlement patterns, economic development, social infrastructure, housing needs and access to recreational facilities. Well being and sense of place are inherently linked to policies that govern protection of the environment, cultural heritage and Gaeltacht areas.

The plan is prefaced with the text that *sustainable communities are defined as 'places where people want to live and work, now and in the future. They meet the diverse needs of existing and future residents, are sensitive to their environment and contribute to a high quality of life. Kerry County Council considers that the promotion of sustainable communities is a prerequisite to the sustainable development of Kerry and will seek to implement this approach.* Further to this overall aim, objectives that relate to population/human health are found throughout KCDP 2015-2021 and appropriate mitigation for possible significant effects on population/human health by the implementation of the draft plan.

Geology/Soils

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on geology/soils predominately relates to objectives/policies that promote the use of brownfield sites over Greenfield sites and are outlined in Section 7.2.3. In an urban context re-use of existing and/or derelict sites is preferred over the development of new lands on the fringes of existing settlements.

The main references to soil/geology in the plan are contained in Chapter 8 Natural Resources and Chapter 10 Natural Environment and Flood Risk Management. Chapter 8 includes a number of strategic objectives that aim to sustainably manage the extractive industry, including extractions from the foreshore. Chapter 10 has specific objectives to protect the county's geological sites of interest (County Geological Sites (CGS)) as identified by GSI. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan including several standards that relate to the extractive industry. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on soil/geology by the implementation of the draft plan.

Hydrology/Hydrogeology

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on hydrology/hydrogeology are potentially direct and indirect and are outlined in Section 7.2.4. Direct impacts could arise from the facilitation of development that could lead to alteration/modifications to water courses, excavations that disturbance ground water and/or loss of riparian habitat. However, indirect impacts on hydrology/hydrogeology are particularly prevalent in the context of implementing the draft plan.

Policies and objectives that relate to the protection of water are found throughout the plan particularly in Chapter 3 Settlement Strategy, Chapter 7 Transport and Infrastructure and Chapter 10 Natural Environment and Flood Risk Management. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. This includes several standards that relate to hydrology/hydrogeology. Other issues of importance to aquatic ecosystems relate to guidelines on development of riparian zones, proposed instream works or works undertaken as part of future flooding alleviation schemes and the assessment and mitigation of impacts from invasive species.

Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on hydrology/hydrogeology by the implementation of the draft plan.

Air/Climate

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on air/climate factors will be local and relate to activities facilitated by the KCDP and are outlined in Section 7.2.5. Population growth in a particular area could result in development that results in more car use with impacts on air quality. Similarly an industrial development could result in

a local air quality issue. Climate change particularly in relation to flooding is discussed in the SFRA provided in Volume 4 of the draft plan.

Policies and objectives that relate to the air/climatic factors are found throughout the plan. Climate change is addressed in the Core Strategy of the draft plan and is also specifically addressed in the flood risk assessment.

The link to air/climatic factors is often implied by the objective or will be an indirect outcome of the objective, particularly in relation to air quality. Many of the objectives that relate to sustainable development and sustainable communities are indirectly beneficial to air quality. Similarly, objectives that relate to the promotion of sustainable transport methods or energy efficient building methods again imply an improvement in local air quality as pollution from transport and heating systems are the main causes on local air quality issues. Conversely, objectives and policies that promote growth and development can be viewed as potentially causing further emissions – as noted in the screening of many of the objectives. A balanced approach will be required.

Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on air/climatic factors by the implementation of the draft plan.

Material Assets

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on material assets will vary on the asset as outlined in Section 7.2.6. Transport infrastructure, as major infrastructure schemes have the potential to effect biodiversity, water, geology and cultural heritage. Works to piers and harbours facilitated by the KCDP could impact on local water quality – coastal and/or estuarine. The KCDP 2015-2021 will facilitate various waste water infrastructure schemes and water supply infrastructure with possible effects on receiving waters from emissions and/or abstractions.

Policies and objectives that relate to material assets are particularly contained in Chapter 4 Economic Development and Employment, Chapter 7 Transport and Infrastructure and Chapter 8 Natural Resources. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on the county's material assets by the implementation of the draft plan.

Cultural Heritage

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on cultural heritage is facilitating development that could adversely impact on this resource as outlined in Section 7.2.7. Archaeological monuments or unknown archaeological deposits could be destroyed or damaged by inappropriate development. Archaeological landscape settings could be impacted if development resulted in a visual impact. Similarly, architectural heritage could be impacted by redevelopment of Protected Structures or inappropriate development within Architectural Conservation Areas. Townscape settings have the potential to be effected by developments

not sensitive to the architectural form, scale and/or setting of existing streetscapes. Internal and external development of Protected Structures has the potential to remove historic fabric. Vernacular heritage, including bridges, stone walls, gates and other infrastructure, could be also be impacted by the implementation of the KCDP 2015-2021.

Policies and objectives that relate to cultural heritage are predominately found in Chapter 11 Built and Cultural Heritage. Other objectives that related to cultural heritage are found in Chapter 5 Tourism and Recreation, Chapter 8 Natural Resources and Chapter 10 Natural Environment and Flood Risk Management. There are also several specific policies/objectives on the Irish Language and the Gaeltacht areas. In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. This includes several standards that relate to cultural heritage. Further to the above, these objectives/policies are deemed appropriate mitigation for possible significant effects on the county's cultural heritage by the implementation of the draft plan.

Landscape

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on landscape particularly related to objectives and polices around rural housing, industrial zoning in the Tarbert/Ballylongford Bank and large scale developments such as on-shore wind farms. This is outlined in Section 7.2.8. In relation to housing in rural areas there is the need to protect rural landscapes from inappropriate development. Similarly the Shannon Estuary requires protection from development that may have an effect on landscape values.

Polices and objectives that relate to landscape are predominately contained in Chapter 12 Zoning and Landscape. This includes the objective to zone the Tarbert/Ballylongford Landbank situated along the Shannon Estuary. Policy outlined in the Rural Settlement Strategy is also likely to have a significant effect on landscape. Further to the above, objectives/policies are deemed appropriate mitigation for possible significant effects on the county's landscape by the implementation of the draft plan.

Flood Risk Management

The likely significant effects of implementing the Kerry County Development Plan 2015-2021 on flood risk is provided in detail in the SFRA, Volume 4 of the draft plan. The SFRA outlines in more detail the likely significant effects on flooding in the implementing of the plan.

Briefly the SFRA states that the Kerry County Development Plan 2015-2021 does not identify / zone lands for development purposes either on urban lands, within settlements, or for residential purposes. Accordingly the SFRA is largely strategic in nature and should be used for guidance purposes, in conjunction the DEHLG (2009) Guidelines for Planning Authorities on Flood Risk Management. The plan does identify / zone lands for industrial purposes at the location of the Tarbert / Ballylongford landbank. Accordingly this zoning was assessed in greater detail as part of the SFRA and deemed to be

acceptable in principle. The SFRA also recommended the inclusion of several objectives into the plan.

Further to the above and the recommendations made in the SFRA contained in Volume 4 of the draft plan, the objectives/policies are deemed appropriate mitigation for possible significant effects in relation to flooding by the implementation of the draft plan.

In addition to the above, the following text on cumulative effects will be inserted into Chapter 8 as Section 8.4 Cumulative Effects of Implementing the Draft Plan.

Section 8.4 Cumulative Effects of Implementing the Draft Plan.

8.4.1 Introduction

Cumulative effects/impacts (CE) and/or in combination effects is a central part of both the SEA Directive and Habitats Directive. Annex I and II of SEA Directive specifically refer to CE. Annex I refers to identifying the likely significant effects, including cumulative effects, on the environment of implementing a plan. Annex II requires consideration of the significance of those effects, including an assessment of their cumulative nature. Similarly, the Habitats Directives requires an assessment of the likely significant effects on Natura 2000 of implementing a plan either individually or in -combination with other plans/projects.

Historically CE has predominately been used in assessing impacts of developments. This is reflected in the limited guidance on CE which relates to project level assessments incorporated as part of Environmental Impact Assessment. The EU Commission's 1999 *Guidelines for the Assessment of Indirect and Cumulative Impacts as well as Impact Interactions* defined cumulative impacts in the context of EIA as impacts *that result from incremental changes caused by other past, present or reasonably foreseeable actions together with the project.*¹ In this context CE are the combined impacts of a single activity or multiple activities. The individual impacts from a single development may not be significant on their own but when combined with other impacts, those effects could become significant². However, CE also occurs at a strategic or plan level arising from the combined impacts of policies and proposals on specific areas or sensitive receptors³.

CE at plan level is an emerging issue in Ireland. At the time of writing there was no Irish specific guidance available. This section has taken principles from the EU's 1999 guidance document mentioned above and the UK's *Guidelines for Cumulative Effects Assessment in SEA of Plans*⁴.

The EU guidance notes CE is underpinned by information on the:

- nature of the project (in this instance modified to include information on the plan, as opposed to a project);
- receiving environment and
- potential impacts.

Similarly, UK guidance notes three elements as central to CE:

- Identifying sources – activities that cause potential impacts on environmental change;
- Considering processes – pathways of impacts between sources and receptors
- Effects – examining likely effects and their significance.

¹ *Guidelines for the Assessment of Indirect and Cumulative Impacts as well as Impact Interactions*, (2009) EU Commission, p7

² *Guidelines for the Assessment of Indirect and Cumulative Impacts as well as Impact Interactions*, (2009) EU Commission, p7.

³ Cooper, L.M. (2004) *Guidelines for Cumulative Effects Assessment in SEA of Plans*, EPMG Occasional Paper 04/LMC/CEA, Imperial College, London, p2

⁴ *Ibid*

The process of assessing CE at plan level is outlined in Figure 8.1 and follows closely the SEA methodology.

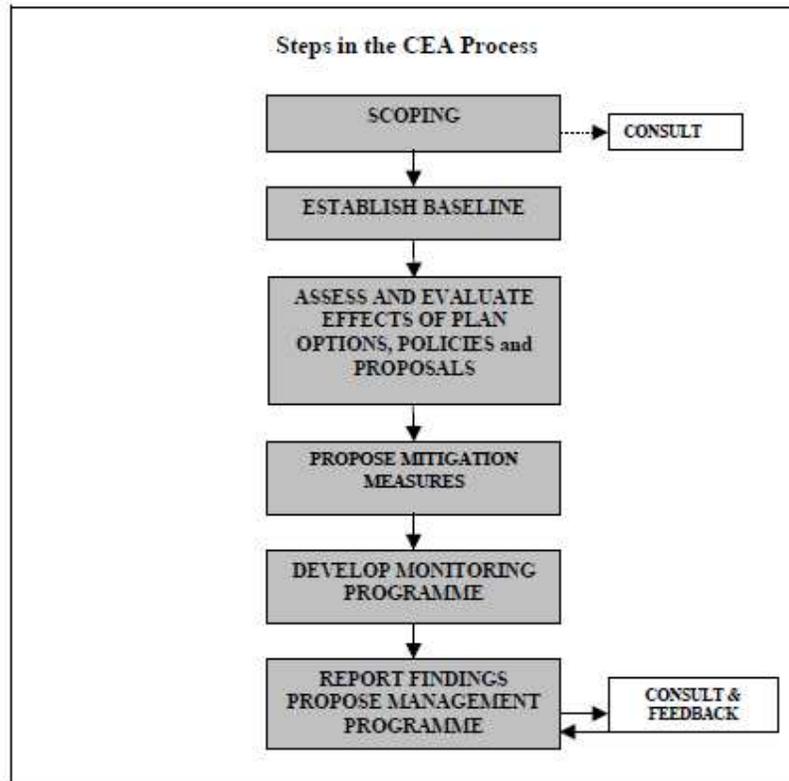


Figure 8.1 CEA methodology of plans

8.4.2 CE of the Draft Plan

The CE assessment undertaken in the *South West Regional Authority Regional Planning Guidelines, SEA ER, 2010*, mapped using GIS, the environmental sensitivities in the south west region. This included Co Kerry. The aim was to highlight vulnerable lands within the region where incremental development may impact on environmental parameters. The mapping exercise also mapped more robust areas less constrained by potential environmental impacts. The methodology is detailed in Chapter 6 of SEA ER of the SWRPG. Briefly, GIS was used to map environmental sensitivities on a number of analytical maps. These were then weighted and overlapped to produce a combined Environmental Sensitivity Map. The range of sensitivity represented in this combined map is rated by degrees of vulnerability. The range goes from robust (green) to vulnerable (yellow) to highly vulnerable (orange-red). Indicators used included: biodiversity, population/human health, soil/geology, water resources, air/climate, cultural heritage, landscape, material assets and flooding. The map is reproduced below in Figure 8.2.

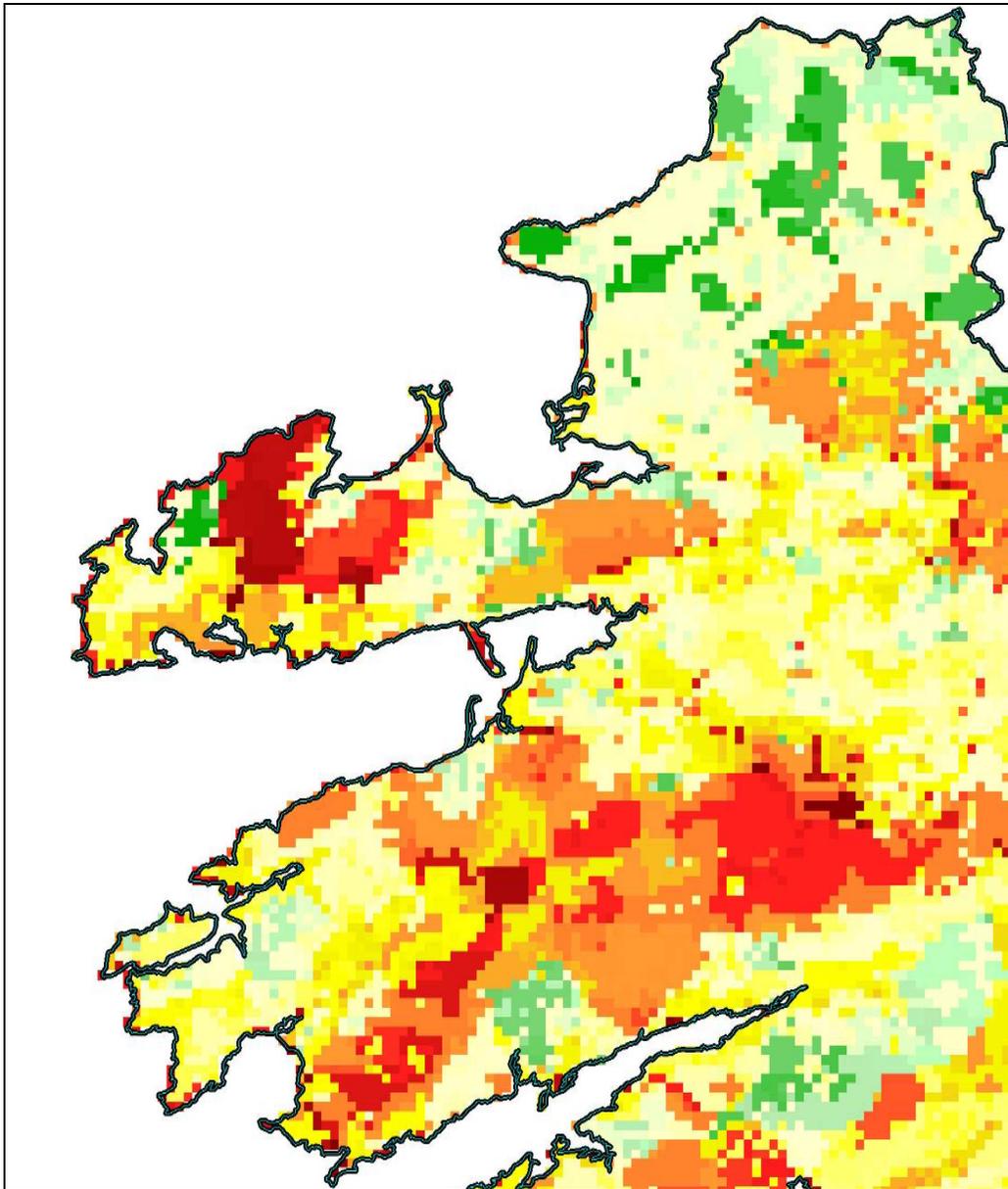


Figure 8.2 CE Sensitivity Map of County Kerry. The range of vulnerability goes from green (robust) to yellow (vulnerable) to orange-red (highly vulnerable), taken from the SWRP Guidelines SEA.

Chapter 3 of the ER of the draft KCDP 2015-2021 has detailed the structure and content of the KCDP 2015-2021. Briefly the plan will incorporate the following strategies:

- Core Strategy & Settlement Strategy,
- Infrastructure Strategy,
- Environment, Heritage & Amenity Strategy,
- Social Infrastructure & Community Development Strategy, and
- Economic Development Strategy

Chapter 4 of the ER has detailed each environmental resource in the county providing an overview of their baseline conditions and existing problems/constraints. Chapter 7 has outlined the potential for significant effects of implementing the KCDP 2015-2021 on each of those environmental resources. The aim of this section is to therefore identify potential cumulative effects arising from the implementation of the plan as contained in the main strategies outlined above and to ascertain the magnitude of these effects and their significance. A key issue in relation to CE is to consider likely effects on the environmental resource or receptor and the capacity of that environmental resource or receptor to facilitate change overtime without adverse effects.

Further to the methodology outlined above, the aim of this section is to examine each environmental resource/receptor discussed in the ER and detail the likelihood of that receptor facilitating change as a result of the implementation of the draft plan. Essentially the matrix presented below aims to record the characteristics and status of each key receptor highlighted in the ER for its capacity to assimilate the changes likely from implementing the drat plan. It should be noted that the assessment of effects at this level is strategic in nature - potential for effects can be only be assumed as the exact nature of developments or projects is not known at this stage.

Table 8.3 Cumulative Effects Matrix – assessing the effects on implementing the plan on the capacities of receptors.

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Biodiversity
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	The nature of these three strategies implies there is the potential to cause significant effects on biodiversity. The capacity of the county's biodiversity resource to assimilate these effects depends on the nature, scale, and location of developments and/or land use facilitated by the strategies. There is the potential that incremental development facilitated by the three strategies could lead, overtime, to habitat loss/fragmentation, loss of ecological corridors/stepping stones, indirect impacts on water dependent habitat and species, disturbance of key species/habitats and spread of invasive species.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	
Environment, Heritage & Amenity Strategy Protect and conserve the county's natural, built and cultural heritage	Policies and objectives aim to protect natural environment. The capacity of county's biodiversity resource should be augmented by this strategy and positive CEs are likely.
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social and community developments. Issues in relation to land use from this strategy and likely effects on biodiversity resource are deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	National Forestry, fisheries and agricultural policy and the neighbouring CDP of Limerick, Cork and Clare. Several Natura 2000 sites are shared between counties and several of Kerry's surface water courses are sourced in Limerick and Cork. Shared coastal resource of the Shannon Estuary with Clare and Limerick and the implementation of the SIFP.
CE identified without mitigation	CE impacts are considered likely.
Mitigation Proposed	<ul style="list-style-type: none"> ▪ NE1-NE15 outline the overarching strategic objectives of the plan in relation to natural heritage. ▪ Objectives NE15-24 deals specifically with objectives in relation to water quality. ▪ Wetlands, ecological corridors and other ecological sites of interest such as woodlands are addressed in objective NE 26-38. ▪ Invasive species are addressed in objective NE39-41.

<p>Key Elements of the strategies contained within the KCDP 2015-2021</p>	<p>Receptor: Biodiversity</p> <ul style="list-style-type: none"> ▪ Objectives NE42-44 ensure the integration of biodiversity into the planning process. ▪ Protection of the county's coastal environment is addressed in objectives NE45-61. ▪ Other objectives that inherently imply the protection of biodiversity are found throughout the draft plan including RS15, ES23, ES26, T4, T16, T18-22, T31, T38, T50, RD26, RD72, RD38-39, WS6, ICT4, EP1, NR1, NR11, NR14, NR15, NR21-22 and H38. ▪ In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. ▪ Indicators, thresholds and targets are provided in the SEA to monitor Biodiversity EPOs. The capacity of the county's biodiversity to assimilate changes likely from the implementation of the plan will be monitored as part of the SEA monitoring process. In addition all developments are to be undertaken in accordance with the principles of proper planning and sustainable development outlined in the KCDP 2015-2021 further to the integration of the SEA/AA process. If undertaken the impacts on biodiversity should be mitigated at plan level. CE should be highlighted during review of the plan on adoption.
<p>Key Elements of the strategies contained within the KCDP 2015-2021</p> <p>Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.</p> <p>Infrastructure Strategy Facilitate the development of certain key infrastructure projects</p> <p>Economic Development Strategy Facilitate economic development including tourism</p>	<p>Receptor: Population/Human Health</p> <p>These three strategies aim to direct populations, infrastructure and economic development in the county. Overall the strategies aim to improve populations/human health as they aim, in accordance with the Core Strategy, to match populations with areas that have appropriate infrastructure, transport links, access to community facilities etc. Further to proper planning and sustainable development there is considerable capacity within existing communities outlined in the strategies to assimilate change resulting from the strategies implementation.</p> <p>Nonetheless, incremental development can have localised indirect effects on human health – eg emissions or noise from increased traffic as a result of economic development and or infrastructure projects.</p>

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Population/Human Health
Environment, Heritage & Amenity Strategy Protect and conserve the county's natural, built and cultural heritage	Policies and objectives aim to protect natural, built and cultural environment which is ultimately of benefit to populations/human health. Positive CEs are considered likely.
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Overall the strategy aims to strengthen and provide better access to social infrastructure such as health care, education, sport facilities etc. The land use issues arising from the strategy are likely to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process. The strategy is likely to have positive CE.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	National policy such as the NSS, Regional planning guidelines and also CDPs of neighbouring Cork, Limerick and Clare.
CE identified	CE impacts are considered unlikely or minor.
Mitigation Proposed	<ul style="list-style-type: none"> ▪ Specific objectives that can be considered as mitigation for possible significant effects on population/human health include HS2, HS6, HS9, HS11, RS5, US4, ES27, ES28, ES31-36, T18, T40-41, RD2, RD6, RD9, RD24-27, WS1-5, WS7-9, NR3, NR6, NR8, SC1-45, H12-24 and ZL1
Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Soil/Geology
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	The nature of these three strategies implies there is the potential to cause significant effects on soil/geology. The capacity of the county's soil/geological resource to assimilate these effects depends on the nature, scale, and location of developments and/or land use facilitated by the strategies. Incremental development overtime could result in the development of Greenfield sites, soil erosion, loss of soil resource through flooding events and impacts on geological heritage. Issues in relation to land use and potential impacts on geological resource from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	
Environment, Heritage & Amenity Strategy Protect and conserve the county's natural, built and cultural heritage	Policies and objectives aim to protect natural, built and cultural environment including soil/geology and geological heritage. CE considered to be positive.

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Soil/Geology
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Issues in relation to land use and potential impacts on geological resource from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process. No CE identified
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	National forestry and agricultural policy, including Harvest 2020.
CE identified	CE impacts are considered minor or unlikely
Mitigation Proposed	<ul style="list-style-type: none"> ▪ Chapter 8 includes a number of strategic objectives that aim to sustainably manage the extractive industry, including extractions from the foreshore. The objectives are NR1-8. ▪ Chapter 10 has two specific objectives (NE1 and NE25) to protect the county's geological sites of interest (County Geological Sites (CGS)) as identified by GSI. ▪ In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan.

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Hydrology/Hydrogeology
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	The nature of these three strategies implies there is the potential to cause significant effects on hydrology/hydrogeology– including direct and indirect impacts on water dependent habitats/species, poor quality emissions/effluent discharges and over abstraction. The capacity of the county's hydrological/hydrogeological resource to assimilate these effects depends on the nature, scale, and location of developments and/or land use facilitated by the strategies. However CE are considered likely from these strategies.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	Policies and objectives aim to protect natural, built and cultural environment including hydrology. This strategy is likely to have positive cumulative effects in relation to hydrology/hydrogeology as this section's overall aim is to protect natural resources including water.
Environment, Heritage & Amenity Strategy Protect and conserve the county's natural, built and cultural heritage	
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Issues in relation to hydrology/hydrogeology and land use from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	National Forestry, fisheries and agricultural policy and the neighbouring CDP

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Hydrology/Hydrogeology
	of Limerick, Cork and Clare. Several Natura 2000 sites are shared between counties and several of Kerry's surface water courses are sourced in Limerick and Cork. Shared coastal resource of the Shannon Estuary with Clare and Limerick. In addition plans likely to be implemented by Irish Water over the lifetime of this plan.
CE likely	CE impacts are considered likely.
Mitigation proposed	<ul style="list-style-type: none"> ▪ Specific objectives relating to the protection of hydrology/hydrogeology include RS5, ES27, T34, RD1, RD4, RD38, WS1-10, NR5, NR21-22, NR24, NE2, NE7, NE8-NE10, NE15-24, NE26-27, NE29, NE32, NE41 and NE62-69. ▪ In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan. ▪ Indicators, thresholds and targets are provided in the SEA to monitor hydrology/hydrogeology EPOs. The capacity of the county's hydrological resource to assimilate changes likely from the implementation of the plan will be monitored as part of the SEA monitoring process. In addition all developments are to be undertaken in accordance with the principles of proper planning and sustainable development outlined in the KCDP 2015-2021 further to the integration of the SEA/AA process. If undertaken the impacts should be mitigated at plan level. CE should be highlighted during review of the plan on adoption.
Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Material Assets
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	Overview of the county's material assets resource and existing issues relating to same in the county is provided in Chapter 4. These three strategies aim to direct populations, infrastructure and economic development in the county. In most instances development will seek to augment, enhance or improve the county's material assets particularly in relation to public infrastructure. Specific public infrastructure projects are listed in the draft plan for priority. This includes road schemes and public water infrastructure.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	
Environment, Heritage & Amenity Strategy Protect and conserve the county's natural, built and cultural heritage	
	Policies and objectives aim to protect natural, built and cultural environment. All infrastructure projects must ensure adherence to the development management standards and guidelines stated within the draft plan.

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Material Assets
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Issues in relation to significant effects on material assets from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	Infrastructure projects highlighted in the three neighbouring counties of Cork, Limerick and Clare. In addition plans likely to be implemented by Irish Water over the lifetime of this plan. Renewable energy strategies of three neighbouring counties.
CE Identified	CE impacts are considered unlikely or minor.
Mitigation proposed	<ul style="list-style-type: none"> ▪ Objectives that specifically relate to material assets and their sustainable use/management include HS15, ES9, ES11, ES19, ES22, ES23, T3, T5, T10-T15, T18-25, T32, T37, RD1-6, RD10, RD13-21, RD27-29, RD33-42, WS1-3, WS10-11, WM3-6, ICT1-5, EP1-11, NR1-2, NR4, NR9-14, NR17-23, NE17-23, NE24 and NE33-35.

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Air/Climatic Factor
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	Overview of the county's air/climatic factor resource and existing issues relating to same in the county is provided in Chapter 4. These three strategies aim to direct populations, infrastructure and economic development in the county. The nature of these three strategies implies there is the potential to cause significant effects on air/climate. This can vary from localised issues in relation to air quality to national issues in relation to climate change. The ability of this receptor to assimilate change depends on the level of development over the lifetime of the plan. Adherence to the development management standards and guidelines aims to ensure a balanced growth. However, increases in development in itself can lead to further emissions. CE could occur.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	
Environment, Heritage & Amenity Strategy Protect and conserve the county's natural, built and cultural heritage	Policies and objectives aim to protect natural, built and cultural environment. In particular these seek to balance development by an adherence to the development management standards and guidelines stated within the draft

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Air/Climatic Factor
	plan.
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Issues in relation to significant effects on air/climate from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	The renewable energy strategies of the three neighbouring county council's, national guidance and policy on RE including off-shore RE. National climate change strategy.
CE and likely significance on implementation of the plan	CE impacts are considered likely.
Mitigation proposed	<ul style="list-style-type: none"> ▪ Adherence to the "Planning System and Flood Risk Management" Guidelines ▪ Adherence to <i>The National Climate Change Adaptation Framework, Building Resilience to Climate Change</i>. ▪ Indicators, thresholds and targets are provided in the SEA to monitor air/climate EPOs. The capacity of the county's air/climate to assimilate changes likely from the implementation of the plan will be monitored as part of the SEA monitoring process. In addition all developments are to be undertaken in accordance with the principles of proper planning and sustainable development outlined in the KCDP 2015-2021 further to the integration of the SEA/AA process. If undertaken the impacts should be mitigated at plan level. CE should be highlighted during review of the plan on adoption.
Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Landscape
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	Overview of the county's landscape resource and existing issues relating to same in the county is provided in Chapter 4. These three strategies aim to direct populations, infrastructure and economic development in the county. The nature of these three strategies implies there is the potential to cause significant effects on landscape - including visual impacts on a local and county level. The capacity of the county's landscape resource to assimilate these effects depends on the nature, scale, and location of developments and/or land use facilitated by the strategies.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	
Environment, Heritage & Amenity Strategy	

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Landscape
Protect and conserve the county's natural, built and cultural heritage	including landscape. Overall positive CE likely from the strategy.
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Issues in relation to landscape from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	Landscape policy and RE policy outlined in the CDP of Limerick, Cork and Clare. Shared coastal resource of the Shannon Estuary with Clare and Limerick and the implementation of the SIFP
CE and likely significance on implementation of the plan	CE impacts are considered likely.
Mitigation proposed	<ul style="list-style-type: none"> ▪ Objective to zone the Tarbert/Ballylongford Landbank situated along the Shannon Estuary. ▪ Objective ZL4. ▪ Indicators, thresholds and targets are provided in the SEA to monitor landscape EPOs. The capacity of the county's landscape to assimilate changes likely from the implementation of the plan will be monitored as part of the SEA monitoring process. In addition all developments are to be undertaken in accordance with the principles of proper planning and sustainable development outlined in the KCDP 2015-2021 further to the integration of the SEA/AA process. If undertaken the impacts should be mitigated at plan level. CE should be highlighted during review of the plan on adoption.
Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Cultural Heritage
Core Strategy & Settlement Strategy Direct populations into urban settlements and rural areas.	Overview of the county's cultural heritage resource and existing issues relating to same in the county is provided in Chapter 4. These three strategies aim to direct populations, infrastructure and economic development in the county. The nature of these three strategies implies there is the potential to cause significant effects on cultural heritage—including visual impacts, on archaeological deposits, PS and ACA. The capacity of the county's cultural heritage resource to assimilate these effects depends on the nature, scale, and location of developments and/or land use facilitated by the strategies.
Infrastructure Strategy Facilitate the development of certain key infrastructure projects	
Economic Development Strategy Facilitate economic development including tourism	
Environment, Heritage & Amenity Strategy	Policies and objectives aim to protect natural, built and cultural environment

Key Elements of the strategies contained within the KCDP 2015-2021	Receptor: Cultural Heritage
Protect and conserve the county's natural, built and cultural heritage	including cultural heritage. Overall positive CE likely from the strategy.
Social Infrastructure & Community Development Strategy Facilitate the development of the social infrastructure and community development	Policies and objectives relate to social infrastructure and community developments. Issues in relation to land use from this strategy deemed to be adequately addressed by adherence to the development management standards and guidelines in the KCDP 2015-2021 further to the SEA/AA process.
Other plans (inter-plans) likely to cause CE with KCDP 2015-2021	National policy on the treatment of archaeological and architectural resources.
CE and likely significance on implementation of the plan	CE impacts are considered unlikely or minor.
Mitigation proposed	<ul style="list-style-type: none"> ▪ Strategic objectives that promote the protection of cultural heritage run from H1-H11 ▪ Objectives H12-14 and H25-33. ▪ Built heritage including policies towards Protected Structures and Architectural Conservation Areas (ACA) are H34-48. ▪ T4, T12, T32, T40-41, T45-47 and T51, ▪ NR5, NR9 and NR15 ▪ NE54. ▪ Specific policies/objectives on the Irish Language and the Gaeltacht areas T42-44, ES30 and H15-24. ▪ In addition Chapter 13 outlines the Development Management Standards and Guidelines for the plan.

3.10 Chapter 9 Monitoring

There are no amendments to Chapter 9.

3.11 Appendix 1 International Policy Context

There are no amendments to Appendix 1.

3.12 Appendix 2 National Policy Context

As recommended the following will be added to Appendix 2:

- **Our Sustainable Future: A Framework for Sustainable Development for Ireland (DECLG, 2012),**
- **Smarter Travel – A sustainable Transport Future (Department of Transport, 2009),**
- **Draft Freshwater Pearl Mussel Catchment Management Plans for the Currane, Caragh, Owenmore, Kerry Blackwater, Munster Blackwater and Gearhameen Catchments,**
- **South Western and Shannon CFRAMS.**

3.13 Appendix 3 RAL

A table on Waste Water Treatment Plants that have passed/failed the Urban Waste Water Treatment Regulations⁵ is included.

⁵ *Focus on Urban Waste Water Treatment in 2012*, published by the EPA 2014.

Kerry County Council 2012

Urban area	Reg. No.	Pass or Fail	Reason for failure	Persistent failures	Urban area (p.e)	WWTP (p.e.)	Level of treatment provided	Receiving water	Sensitive area	River Basin District
Abbeystorney	D0417-01	No secondary			564	350	Primary	River		Shannon
Ardfert	D0282-01	No secondary			1,500	800	Primary	River		Shannon
Ballybunion	D0183-01	Pass			2,494	8,180	Secondary	Estuarine	✓	Shannon
Ballyduff	D0418-01	No secondary			800	800	Primary	River	✓	Shannon
Ballyheigue	D0186-01	Pass			1,948	4,234	Secondary, nutrient, UV	Coastal		Shannon
Ballylongford	D0459-01	No secondary			900	600	Primary	Estuarine		Shannon
Cahersiveen	D0181-01	Pass			3,073	5,800	Secondary	Estuarine		S. Western
Castlegregory	D0461-01	No secondary			500	500	Primary	Coastal		Shannon
Castleisland	D0180-01	Pass			5,058	6,000	Secondary & nutrient	River		S. Western
Dingle	D0185-01	Pass			12,000	12,000	Secondary	Coastal		S. Western
Fenit	D0284-01	No secondary			1,300	500	Primary	Coastal		Shannon
Fieries	D0460-01	Pass			1,500	1,500	Secondary & nutrient	River		S. Western
Glenbeigh	D0286-01	Pass			1,900	500	Secondary	River		S. Western
Kenmare	D0184-01	Pass			5,833	5,833	Secondary	Estuarine		S. Western
Killarney	D0037-01	Pass			42,000	54,000	Secondary & nutrient	Lake		S. Western
Killorglin	D0182-01	Pass			3,879	5,000	Secondary	River		S. Western
Knightsstown	D0421-01	No secondary			128	800	Primary	Coastal		S. Western
Listowel	D0179-01	Pass			7,433	12,500	Secondary	River		Shannon
Lixnaw	D0462-01	No secondary			1,064	300	Primary	River		Shannon
Milltown	D0331-01	Pass			3,500	3,500	Secondary	River		S. Western
Rathmore	D0419-01	Pass			1,000	500	Secondary	River		S. Western
Sneem	D0285-01	Pass			2,500	2,500	Secondary & nutrient	Estuarine		S. Western
Tarbert	D0283-01	No secondary			1,400	800	Primary	Estuarine		Shannon
Tralee	D0040-01	Pass ⁷¹			15,725	50,333	Secondary	Estuarine	✓	Shannon
Waterville	D0287-01	No secondary			495	500	Primary	Coastal		S. Western

⁷¹ Tralee did not meet the sampling standard for nitrogen set in the Directive.

3.14 Appendix 4 Environmental Screening.

The screening of ES31 as an objective that is likely to have a *probable conflict* with EPO MAO1.4 that is *unlikely to be mitigated* was a typographical error. No significant effects on this EPO are considered likely. The objective relates to sustainable home working proposals with a built –in caveat that this will only be considered where residential amenity will not be adversely affected.

The screening of ES32 as an objective that is likely to have a *probable conflict* with EPO MAO1.4 that is *unlikely to be mitigated* was a typographical error. No significant effects on this EPO are considered likely. The objective relates to the promotion of new small and medium scale enterprises that are to be developed in a sustainable manner and further to caveats listed both in the objective but also in the Development Management, Standards and Guidelines of the plan.

Table 3 of Appendix 4 will be altered as follows:

Table 3 Screening of likely significant effects of the infrastructure projects presented in Table 7.2 of *Chapter 7 Transport and Infrastructure*, of the Draft Kerry County Development Plan 2015-2021.

Scheme	Comments
Kenmare Water Scheme	<p>This project relates to the proposed abstraction of water from the River Sheen to serve Kenmare town. At the time of writing the project had been previously screened for significant effects on Natura 2000 sites, no significant effects were found and an AA was not required. A determination was also made that an EIA was not required. The project was subsequently approved by An Bord Pleanála but was appealed to the Circuit Court. A decision on the project is pending at the time of writing.</p> <p>The Circuit Court ruled that a Stage 2 AA was required in this instance but that EIA was not required. As a result of the ruling the project is at a standstill at the time of writing.</p> <p>Kenmare Water Scheme also relates to a proposed new water treatment plant to be located outside of Kenmare town. The project was granted planning as a part 8 development. Construction will be dependent on funding. Commencement of works will be dependent on funding from Irish Water. It should be noted that Irish Water state in the CIP 2014-2016 that the project schedule is indicative showing projects at various stages of planning. It goes onto note that <i>these projects are intended for implementation beyond the period of this CIP [2014-2016]. They will be advanced subject to full planning and environmental assessment of Irish Water's Plans and strategies and of the individual projects, having regard to all regulatory requirements. To that end, planned future measures are indicative at this stage, pending compliance⁶.</i></p>

In addition to the above, the following projects are listed in Irish Water's Proposed Capital Investment Plan 2014-2016 and included for screening in Table 3 of Appendix 4

Scheme	Comments
Central Regional Water Supply Scheme: Lisardbwoolla Reservoir	<p>These projects relate to proposed works at Lisardbwoolla and Sheherre Reservoir. Both projects were granted planning as a part 8 development in 2008. Commencement of works will be dependent on funding from Irish Water. It should be noted that Irish Water state in the CIP 2014-2016 that the project schedule is indicative showing projects at various stages of planning. It goes onto note that <i>these projects are intended for</i></p>
Central Regional Water	

⁶*Irish Water Proposed Capital Investment Plan, May 2014, pg3*

<p>Supply Scheme: Sheheree Reservoir</p>	<p><i>implementation beyond the period of this CIP [2014-2016]. They will be advanced subject to full planning and environmental assessment of Irish Water's Plans and strategies and of the individual projects, having regard to all regulatory requirements. To that end, planned future measures are indicative at this stage, pending compliance with specific legal obligations under, Strategic Environmental Assessment (SEA), Environmental Impact Assessment (EIA) and Appropriate Assessment (AA) directives and regulations⁷.</i></p>
<p>Central Regional Water Supply Scheme: Advanced works – rising mains</p>	<p>This project involves the provision of an approx 4.5Km underground water pipeline. The rising main runs from the water reservoir at Sheheree south-west and south following the line of a farm trackway before joining the L-3017-16 county roadway and then south-east and then south-west through Scartlea townland and south-east again through the townlands of Gortagullane and Dromickbane, all of which are to the south-east of the town of Killarney.</p> <p>The project was screened for significant effects on the environment and potential to significantly affect Natura 2000 sites in 2014. It was determined that AA or EIA were not required in the <i>AA Screening Report of Sheheree Advance Pipeline Proposal</i>, KCC, July 2014 and the <i>EIA Screening Report of the Sheheree Advance Pipeline Proposal</i>, KCC, July 2014.</p> <p>It is noted that the proposal has built in standard safeguards as part of the project so as to ensure that adequate water quality and quantity is maintained. This is considered to be acceptable and sufficient in this instance to ensure that significant impacts on Natura 2000 sites are unlikely to occur, particularly in light of the short works time schedule and the small scale and phased nature of the project.</p>

⁷ Irish Water Proposed Capital Investment Plan, May 2014, pg3