

LDP2 **Ceredigion**

**Replacement Local Development Plan
2018 - 2033**

**Habitats Regulations Assessment
for the
Replacement Ceredigion LDP
(LDP2)**

**Screening Report
Preferred Strategy 2019**



Cyngor Sir
CEREDIGION
County Council

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Contents

1. Introduction	1
2. Habitat Regulation Assessments (HRA)	3
3. Guidance on Habitats Regulations Assessment	6
4. Methodology	7
5. Consultation	12
6. Habitat Regulations Assessment Screening	12
7. Key Issues	112
8. Conclusions	137

1. Introduction

- 1.1 Ceredigion County Council (CCC) is required by the Planning and Compulsory Purchase Act, 2004 to produce a Local Development Plan (LDP). Part of this process involves a Habitats Regulations Assessment (HRA) being undertaken on the LDP to ensure that key international nature conservation sites are safeguarded and that the plan will not cause significant negative effects on them. The HRA is legally required and this legislation is described in Section 2.
- 1.2 The replacement LDP is an opportunity to embrace the Environment (Wales) Act 2016. The Act's Section 6 focus on enhancing the environment has been a priority in the review of the plans and policies. LDP2 policies have been amended to reflect this focus.
- 1.3 European sites within Ceredigion or which are outside but have been identified as being potentially vulnerable to development occurring within Ceredigion are listed with their qualifying features. The latest assessment of their respective conditions and when the assessments took place, their conservation objectives and the key factors affecting the features and whether the LDP is likely to affect that factor.
- 1.4 In addition, all the European Sites are at risk or already suffering the direct and indirect impacts of climate change and this HRA screening includes the need for LDP2 and its developing policies to ensure that they are appropriate to avoid additional impacts and contribute to reducing existing impacts.
- 1.5 This HRA follows the guidance set out in *The Habitats Regulations Assessment Handbook*⁸ (hereafter referred to as 'The HRA Handbook'), guidance on how to undertake HRA in Wales, on which this assessment is based, produced by David Tyldesley and Associates and WG (2006) and now included as annex 6 to TAN 5, the Royal Society for the Protection of Birds (RSPB)

(Dodd *et. al.*, 2007) and the Court of Justice of the European Union judgment in the case of *People Over Wind* (Case C-323/17 Request for a preliminary ruling, *People Over Wind* and Peter Sweetman v Coillte Teoranta, 12th April 2018).

- 1.6 The People Over Wind judgment had a profound effect on the HRA methodology that had up until then been widely accepted (and universally adopted by key statutory bodies in England and Wales, including Ceredigion for the LDP 2007 -2022 which was adopted in 2013). Prior to the ruling it had been established practice that competent authorities should take account of mitigation measures which had been incorporated into a plan or project when deciding whether it would have a likely significant effect. The court has now ruled that this is incorrect and that it is not appropriate, at the screening stage, to take account of measures intended to avoid or reduce harmful effects on a European site.
- 1.7 Case law has gone on to establish some important principles in respect of the reliance on mitigation measures as part of the HRA of a plan (as opposed to a HRA of a project, which is different). These include that it is acceptable in principle to include policies within a Local Plan which are conditional upon certain conditions being met. Therefore, in practice, when considering mitigation measures to inform a plan HRA the key question is whether the measures can be relied upon to protect European sites. When considering policy specific, or even allocation specific measures, the emphasis is placed on whether a decision maker can be duly satisfied that the measures can be delivered in practice. The measures might impose additional burdens on the implementation of certain aspects of a plan, or may even render the scale of delivery of certain elements conditional on later HRA effort. This is the methodology which is employed throughout this HRA Screening.
- 1.8 When completed, the 'Screening Report' of LDP2 Deposit policies will outline the preliminary stages of the HRA process;
 - a. the identification of protected areas;

- b. the collection of data;
 - c. the assessment of the effects LDP policies will have on these protected sites, and;
 - d. the identification of existing objectives from other plans, policies and programmes which would, in combination with the LDP, have a significant negative effect on any international nature conservation site.
- 1.9 If, as a result of consultation on this report, it is determined that LDP2 is likely to have significant negative effects on European sites, a more detailed assessment (an Appropriate Assessment (AA)) will be required.
- 1.10 However, this is an ongoing assessment and at this stage in the LDP (Preferred Strategy) specific policies have not been proposed but not finalised agreed, and so the assessment can only be of the strategic policies put forward. Therefore, it is only possible to flag up where there may potentially be a need for an AA. Further assessment will continue as more detail is available and policies are derived.

2. Habitat Regulation Assessments (HRA)

Habitats Regulation Assessments in its broader context

- 2.1 The replacement LDP is a plan which will guide the way in which development will occur within the County following on from the 1st LDP.
- 2.2 Three separate pieces of legislation have to be adhered to:
- a. The Planning and Compulsory Purchase Act 2004 which requires a Sustainability Appraisal (SA) to be made of the LDP
 - b. The SEA Regulations (The Environmental Assessment of Plans and Programmes (Wales) 2004) requires that a Strategic Environmental Assessment (SEA) has to be undertaken on the LDP
 - c. Conservation of Natural Habitats and Wild Flora and Fauna (Habitats Directive) (1992/43/EEC), which is translated into UK legislation by

the Conservation (Natural Habitats &c.) Regulations 1994, requires that a Habitats Regulations Assessment (HRA) has to be completed

- 2.3 The SA and SEA assess the LDP's sustainability and Welsh Government (WG) guidance (WAG 2006, updated WG 2015) states that these can be undertaken and reported upon in one single process. The end result is a 'Sustainability Report' which identifies the significant environmental effects likely to arise from the LDP. It also measures the sustainability of the LDP and it will be monitored over the lifetime of the plan from both an SA and SEA perspective.
- 2.4 The Habitats Directive requires that key areas of European importance for nature conservation are protected in the development plan process. The reporting for this process must be separate from the SA/SEA, a process known as the Habitat Regulations Assessment (HRA), although a lot of the data used in the SA/SEA will be relevant to the HRA. For simplicity in this report SACs, cSACs, SPAs and Ramsar sites will be collectively referred to as 'European sites'.
- 2.5 Within the HRA process is a mechanism called the Appropriate Assessment (AA). Proposed plans which will have or may have a significant negative effect on any European site will need an AA carried out on any policy or development proposal which may affect a protected site.
- 2.6 The aims of the AA are to gather more information about the proposed policy and decide if the plan, if carried out, will harm a protected site. If the plan is likely to have a significant negative effect, the plan can only continue and be adopted by the council if the identified policy is changed so that it cannot harm the site (e.g. if the development location is moved), has appropriate mitigation which will negate any harmful effects or if it is deemed that the policy represents a development which is of over-riding public interest. In the latter case the Welsh Government will assess whether the plan will be allowed to be adopted.

- 2.7 It is the aim of the screening report to identify any developments or objectives in the LDP which may require an AA.
- Habitats Directive, Ramsar Convention and the Habitats Regulations Assessments
- 2.8 The European sites referred to above, and which are therefore covered by the HRA, are those sites identified by the following legislation and conventions:
- a. European Directive (92/43/EEC) on the Conservation of Natural Habitats and Wild Flora and Fauna (the Habitats Directive) protects habitats and non-avian species of European nature conservation importance.
 - b. EC Directive (1979/409/EEC) on the Conservation of Wild Birds (Birds Directive) protects bird species of European nature conservation importance.
 - c. Ramsar Convention (1971) Convention on Wetlands of International Importance
- 2.9 The Habitats Directive and Birds Directive establish a network of sites designated for their ecological status. These are referred to as Natura 2000 sites or European Sites, and comprise Special Areas of Conservation (SACs) and candidate Special Areas of Conservation (cSAC) which protect habitats and species of plants and non-avian animals and Special Protected Areas (SPAs) which are designated to protect important bird sites.
- 2.10 Welsh Government guidance on HRAs (Annex 6 to Technical Advice Note (TAN) 5 Nature Conservation and Planning 2009) states that areas designated as globally important wetlands under the Ramsar Convention (1971) should also be afforded the same level of protection as SACs, cSACs and SPAs in the HRA process.
- 2.11 Articles 6 (3) and 6 (4) of the Habitats Directive require a HRA to be undertaken on all plans. In 2007 this was transposed into UK law in Part IV of the Habitats Regulations (The Conservation (Natural Habitats, & c.)

(Amended) (England and Wales) Regulations 2007), and requires the application of HRA to all land use plans.

- 2.12 The purpose of HRA is to assess the impacts of a land-use plan in combination with the effects of other plans and projects against the conservation objectives of any European Site (whether the site is inside or outside the local authority (LA) boundary). For sites which are designated for the presence of a particular species the effect of the plan on that species where it occurs away from that site should also be assessed. The HRA should ascertain whether policies would have a significant negative effect on the integrity of the site and its features. Where significant negative effects are identified, alternative options should be examined to avoid any potential damaging effects. The scope of the HRA is dependent on the location, size and significance of the proposed plan or project.

3. Guidance on Habitats Regulations Assessment

- 3.1 This HRA follows the guidance set out in *The Habitats Regulations Assessment Handbook*⁸ (hereafter referred to as 'The HRA Handbook'), guidance on how to undertake HRA in Wales, on which this assessment is based, produced by David Tyldesley and Associates and WG (2006) and now included as annex 6 to TAN 5, the Royal Society for the Protection of Birds (RSPB) (Dodd *et. al.*, 2007) and the Court of Justice of the European Union judgment in the case of *People Over Wind* (Case C-323/17 Request for a preliminary ruling, *People Over Wind* and Peter Sweetman v Coillte Teoranta, 12th April 2018).
- 3.2 Under this guidance the HRA process covers:
- a. Determining likely significant effects of a development plan on European sites
 - b. Screening what policies require an AA and how it will be undertaken;
 - c. Undertaking the AA;
 - d. Applying a 'site integrity test' (to determine the impact of the plan on the integrity and conservation objectives of a European site) and determining whether development plans or elements within them have

no alternative solutions and there are reasons of over-riding public interest.

- 3.3 The WG guidance states that HRA is part of an iterative process and needs to be revisited at each stage of the plan process depending on the nature and scale of the changes to the plan.

4. Methodology

- 4.1 In accordance with the guidance and existing practice in undertaking HRAs, the methodology described in Table 1 was adopted in the screening report.

Table 1. Methodology Adopted for HRA

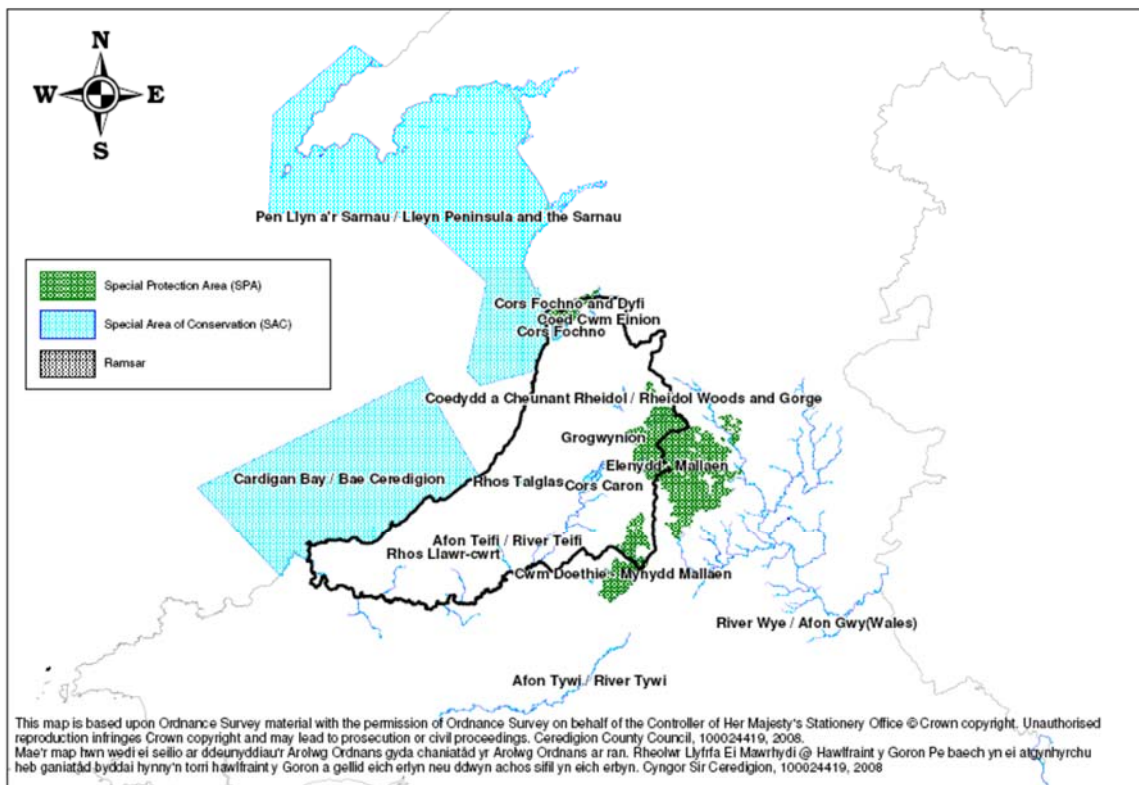
Stage	Description
Stage 1 Identification of European Sites	<ul style="list-style-type: none"> • Identification of European sites within Ceredigion and those outside that might be adversely affected by the LDP
Stage 2 Identification and collation of site information	<ul style="list-style-type: none"> • Identification of features of these sites, their status, the conservation objectives and the site vulnerabilities
Stage 3 Policies Review	<ul style="list-style-type: none"> • Identification of possible negative effects of LDP's policies • Assessment of whether these will have a negative impact on the features of the European Sites
Stage 4 Consideration of other plans and programmes	<ul style="list-style-type: none"> • Consideration, where appropriate, of plans and programmes that may have 'in-combination effects' with Ceredigion LDP
Stage 5 Assessment of likely significant effects	<ul style="list-style-type: none"> • Assessment of whether the effects highlighted are likely to be 'significant' and if so whether they will require an AA

Stage 1: Identification of European sites

- 4.2 The first step in the assessment process was to identify which European sites were found within the county and which ones outside the county may be affected by the LDP.
- 4.3 Natural Resources Wales' MapInfo GIS layer of all SAC, SPA and Ramsar sites within Wales provided a baseline of which European sites are found

within the County (see Map 1). To confirm that this list was correct, it was cross referenced with the lists found on the Joint Nature Conservation Committee (JNCC) website (www.jncc.gov.uk). This process added Afonydd Cleddau / Cleddau Rivers to the list of European sites which should be considered in the HRA. However, because Ceredigion is not within its catchment and any significant effects caused by development in Ceredigion would be unlikely Afonydd Cleddau / Cleddau Rivers SAC has been removed from the HRA assessment list. In addition it was decided to add the Afon Tywi SAC to the list of European sites to be in the HRA assessment as Ceredigion is within its catchment. All the sites identified are listed in Table 2 below and viewed in Map 1. Further details on the sites can be found in Table 1 in Appendix 1.

Map 1. Location of the European Sites assessed in this HRA



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This Map will be updated to include West Wales Marine SAC, North Pembrokeshire Woodlands and Meirionnydd Oakwoods and Bat Sites to Map 1

Table 2. European Sites selected for assessment in the HRA for the Ceredigion LDP.

European Site	European Designation (s)	Within or partially within Ceredigion?
Afon Teifi / River Teifi	SAC	Yes
Cardigan Bay/ Bae Ceredigion	SAC	Yes
Coed Cwm Einion	SAC	Yes
Coedydd a Cheunant Rheidol/ Rheidol Woods & Gorge	SAC	Yes
Cors Caron	SAC and Ramsar	Yes
Cors Fochno and Dyfi Estuary / Aber Dyfi	SAC, SPA and Ramsar	Yes
Cwm Doethie - Mynydd Mallaen	SAC	Yes
Elenydd - Mallaen	SAC and SPA	Yes
Grogwynion	SAC	Yes
Pen Llyn a'r Sarnau/ Llyn Penisular and the Sarnau	SAC	Yes
Rhos Llwr Cwrt	SAC	Yes
Rhos Talglas	SAC	Yes
Afon Tywi / River Towy	SAC	No
River Wye / Afon Gwy	SAC	No
North Pembrokeshire Woodlands	SAC	No
Meirionnydd Oakwoods and Bat Sites	SAC	No
West Wales Marine / Gorllewin Cymru Forol	SAC	Yes

Stage 2: Identification and collation of site information

4.4 Data on the European sites in the assessment list came from several sources:

- a. The JNCC website detailed the notification for each European site.
- b. The original Natura 2000 notification forms gave useful information on the factors affecting the sites (JNCC website)
- c. NRW themselves were able to offer a lot of experience as to what issues have had a significant effect on the European sites in recent years.
- d. NRW's Site Management Statements details the special interest, management and issues affecting the SSSIs which relate to the European sites in Ceredigion (Superseded by Core Management Plans)

- e. CCW/ NRW's SAC/SPA monitoring identified the current condition of the SACs and identified reasons why any particular site was in an unfavourable condition.
- f. Natural Resources Wales' Core Management Plans contained the conservation objectives and gave more detailed information on the specific state of individual SACs/SPAs and the factors that affected them
- g. Natural Resources Wales' Review of Consents (RoC) programme included Ceredigion in 2010 – 2011 and identified issues with consents affecting the European sites 2011.

4.5 Using the above information, Table 1 in Appendix 1 details;

- a. the European sites;
- b. how the site is designated;
- c. what its qualifying features are,
- d. the latest assessment of the condition of those features
- e. the factors which are likely to negatively affect these sites (taken from Natura 2000 forms; site Conservation Objectives, Site Management Statements, management plans, NRW review of consents and from individual NRW officers);
- f. the Conservation Objectives ; and
- g. The significance of the LDP's influence on the factors/vulnerabilities (one tick (√) for minimal or indirect relationship, two ticks (√√) for strong influence and cross (X) for the LDP has no influence)

Stage 3: Policies review

4.6 The strategic policies from the Ceredigion Preferred Strategy of the LDP have been assessed to determine their likely effects on the European sites. The summary of this is in section 6 below in Tables 3 – 16. A more detailed assessment can be found in the Appendices.

4.7 This process highlighted any policies that may require AA and the issues involved. Recommendations have been made for the Development

Management and Land Use policies to avoid damage to or reduce impact on the European Site features.

- 4.8 The screening process will then be carried out on the LDP Deposit Policies and if it is still found that it cannot be certain that the LDP will not have a significant negative affect on any one or more of the European Sites, either alone or in-combination with any other plans or projects, an AA will be performed.
- 4.9 Potential development sites and candidate sites identified in the LDP will also be assessed to see if they could have a potential impact on the identified European sites when they are available.
- 4.10 The LDP process should not repeat national policy. Therefore, there may be effects of the plan that are mitigated by national policies. Where this is the case it has been highlighted. However, there may be additional mitigation measures that are suggested to be put into the LDP Deposit policies to deal with the local context.

Stage 4: Consideration of other plans and programmes

- 4.11 This will involve the consideration of other plans and programmes that may, in-combination with the Ceredigion LDP, have the potential to adversely impact European sites.
- 4.12 The review of Plans, Policies and Programmes in the SA/SEA scoping report will be used to identify any papers that could potentially have specific policies for Ceredigion. These documents will be checked and any policies or objectives that could relate to a European site will be highlighted. Further plans or projects that are applicable will also be assessed.
- 4.13 A draft list of those plans or projects that will be assessed and potentially have a negative effect can be found in the tables in section 6. More detail can be found in the Appendices

Stage 5: Assessment of likely significant effects

- 4.14 By undertaking the previous four steps, potentially significant adverse effects were identified and summarised in Tables 3 – 19 below. It also details whether other policies could help mitigate the risk of a negative effect. The strategic policies that could still cause a significant effect, or will have in-combination effects, are highlighted as potentially needing an Appropriate Assessment. Further mitigation is recommended in the 'Key Issues' section. Once the more detailed policies are drafted, incorporating the recommendations in this report, they will be screened again to assess if the plan is still likely to have a significant negative effect, and an AA carried out if necessary.
- 4.15 The key issues that came up during the assessments are outlined in Section 7.

5. Consultation

- 5.1 The Ceredigion Planning Policy Team and the Ceredigion Senior Ecologist met with representatives of NRW, Ceredigion Planning and Natural Resource Management Teams early in the preparation of this LDP review and HRA screening report. Natural Resources Wales (NRW) is also a member of the Sustainability Working Group of the Ceredigion LDP's SA/SEA. Formal consultation on the HRA will begin at the Preferred Strategy stage of the LDP.

6. Habitat Regulations Assessment Screening

- 6.1 The European Sites that are being assessed are listed in Table 2 above and the locations of these sites are shown in Map 1.
- 6.2 The European sites have been assessed against the LDP developing Strategic Policies using the methodology described above. This assessment is summarised below in Tables 3 – 16. More details can be found in the Appendices.

Table 3. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Afon Teifi / River Teifi SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM policies to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM policies to avoid damage to features?	Risk of In-combination effects?	AA required?
Loss of bank side and river habitat	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects, particularly flood defences and foot/cycle paths TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects, particularly flood defences and foot/cycle paths TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Reduced or altered flow	All the Strategic Policies have potential for	Assess when policies are written	No, but need to reassess when policies are written.	Yes	Assess when policies are written	Possible Need to ensure allocate land for development away	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM polices to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM polices to avoid damage to features?	Risk of In-combination effects?	AA required?
	impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.					from problem areas highlighted and extra mitigation considered	
Reduction in water quality	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM policies to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM policies to avoid damage to features?	Risk of In-combination effects?	AA required?
	features once these policies are confirmed and the LU and DM policies written.						
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and developments not covered by SUDs TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and developments not covered by SUDs TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM polices to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM polices to avoid damage to features?	Risk of In-combination effects?	AA required?
	policies written.						
Disturbance	All the Strategic Policies have potential for impact on European Sites and need to be further assessed	Assess when policies are written	Possible from increase in dogs and cats and dog walking and water related recreation	Yes	Assess when policies are written	Possible from increase in dog walkers and water related recreation	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM policies to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM policies to avoid damage to features?	Risk of In-combination effects?	AA required?
	against the features once these policies are confirmed and the LU and DM policies written.						
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible as nutrient nitrogen critical loads have been exceeded, and although the acidification critical loads are unknown, it is believed they have been exceeded	Yes	Assess when policies are written	Possible as nutrient nitrogen critical loads have been exceeded, and although the acidification critical loads are unknown, it is believed they have been exceeded	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM polices to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM polices to avoid damage to features?	Risk of In-combination effects?	AA required?
	policies written.						
Physical Modification	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from flood alleviation and cumulative impacts of transport infrastructure, micro-hydro, tourism, marinas etc.	Yes	Assess when policies are written	Possible from flood alleviation and cumulative impacts of transport infrastructure, micro-hydro, tourism, marinas etc.	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM policies to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM policies to avoid damage to features?	Risk of In-combination effects?	AA required?
Increase in flooding events	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and flood defence TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and flood defence TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Climate Change	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM polices to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM polices to avoid damage to features?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Government, 2013 & Active Travel Action Plan for Wales – Welsh Government, 2016. 2. Ceredigion 2020 - Ceredigion Community Strategy (2013) 3. Ceredigion Corporate Plan 2017 - 2022 4. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 5. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 6. Ceredigion Local Wellbeing Plan 2018 - 2023 7. Final Water Resources Management Plan (2019) 8. Western Wales River Basin Management Plan (2015) 9. The Welsh Government Strategy for Tourism 2013 – 2020 Partnership for Growth 10. Metal Mine Strategy for Wales (2008) 11. Mid Wales Joint Local Transport Plan 2015 - 2020 12. Mid Wales Regional Regeneration Plan 2018 - 2033 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Design features included in LU and DM policies to avoid damage to features	Likely significant effect?	Likely effect from other plans and programmes (see below)	Design features included in LU and DM policies to avoid damage to features?	Risk of In-combination effects?	AA required?
<p>13. Mobile Action Plan Welsh Government, 2017.</p> <p>14. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Government, 2013.</p> <p>15. Proforma for stage 3: Review of Consents Afon Teifi SAC (2006)</p> <p>16. Rights of Way Improvement Plan (Sept 2018)</p> <p>17. Stage 4 - Review of Consents Site Action Plan for the Afon Teifi SAC (2008)</p> <p>18. Technical Advice Note 8: Planning for Renewable Energy (2005)</p> <p>19. Teifi Catchment Abstraction Management Strategy (2004) and Update (2008)</p> <p>20. Teifi Estuary Management Plan</p> <p>21. Wales National Transport Finance Plan WG 2015 (Update 2017)</p> <p>22. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015.</p> <p>23. Wales Nature Recovery Plan – Welsh Government, 2015.</p> <p>24. Waste Management Strategy for Ceredigion February 2002 (under review)</p> <p>25. West of Wales Shoreline Management Plan 2 2012</p> <p>26. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015</p>							

Table 4. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Cardigan Bay / Bae Ceredigion SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects, particularly flood defences and marina/harbour extensions TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects, particularly flood defences and marina/harbour extensions TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Reduced water and sediment quality	All the Strategic Policies have potential for impact on European Sites and need to be further assessed	Assess when policies are written	Possible from cumulative effects from increase in boating, fish farm discharge and litter from sewerage systems and beach visitors	Yes	Assess when policies are written	Possible from cumulative effects from increase in boating, fish farm discharge and litter from sewerage systems and beach visitors	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	against the features once these policies are confirmed and the LU and DM policies written.		Depends on size, location and type of development			Depends on size, location and type of development	
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and coast, water related recreation etc. TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and coast, water related recreation etc. TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Disturbance	All the Strategic Policies have potential for	Assess when policies are written	Possible from cumulative increase	Yes	Assess when policies are written	Possible from cumulative increase	Possible - Reassess when

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		in water related recreation			in water related recreation	policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, nutrient nitrogen and acidification critical loads have not been exceeded, although for some features these are unknown. The Teifi estuary is 'probably at risk' from nutrient nitrogen	Yes	Assess when policies are written	Possible nutrient nitrogen and acidification critical loads have not been exceeded, although for some features these are unknown. The Teifi estuary is 'probably at risk from nutrient nitrogen'	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Physical Modification	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from flood defences and flood defence schemes and marina/harbour improvements causing coastal squeeze	Yes	Assess when policies are written	Possible from flood defences and flood defence schemes and marina/harbour improvements causing coastal squeeze	Possible - Reassess when policies are written
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	and the LU and DM policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Government, 2013 & Active Travel Action Plan for Wales – Welsh Government, 2016. 2. Cardigan Bay Action Plan (2007) 3. Cardigan Bay Special Area of Conservation Management Plan (2008) 4. Central Wales Plan (2007) 5. Ceredigion Climate Change Strategy and Borth Coastal Defence 6. Ceredigion 2020 - Ceredigion Community Strategy (2013) 7. Ceredigion Corporate Plan 2017 - 2022 8. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 9. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 10. Ceredigion Local Wellbeing Plan 2018 - 2023 11. Ceredigion Shoreline Management Plan (2004) 12. Final Water Resources Management Plan (2019) 13. Western Wales River Basin Management Plan (2015) 14. Lampeter Economic Development & Regeneration Strategy 15. Llandysul and Pont-Tyweli Spatial Regeneration Strategy (2007) 16. Managing Flood Risk: North West Wales Catchment Flood Management Plan (2007) 17. Mid Wales Joint Local Transport Plan 2015 - 2020 18. Mid Wales Regional Regeneration Plan 2018 - 2033 19. Mobile Action Plan Welsh Government, 2017. 20. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Government, 2013. 21. Proforma for stage 3: Review of Consents Teifi (2006) 22. Stage 4 - Review of Consents Site Action Plan (2008) 23. Technical Advice Note 8: Planning for Renewable Energy (2005) 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
24. Teifi Catchment Abstraction Management Strategy (2004) and Update (2008) 25. Teifi Estuary Management Plan 26. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 27. Wales Coastal Tourism Strategy (2007) 28. Wales Nature Recovery Plan – Welsh Government, 2015. 29. Waste Management Strategy for Ceredigion February 2002 30. Watersports Tourism Strategy (2004) 31. West of Wales Shore Line Management Plan 2 2012 32. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

Table 5. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on the Coed Cwm Einion SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects from small developments in or on the boundary TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects from small developments in or on the boundary TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on micro-climate	All the Strategic Policies have potential for impact on European Sites and need to be further	Assess when policies are written	Possibility of cumulative effects of hydroschemes upstream	Yes	Assess when policies are written	Possibility of cumulative effects of hydroschemes upstream	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	No, as increase in visitors should not be significant	Yes	Assess when policies are written	Possible from cumulative increase in visitors	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once	Assess when policies are written	Possible as acidification critical loads have been exceeded and nutrient nitrogen levels are near critical load levels	Yes	Assess when policies are written	Possible as acidification critical loads have been exceeded and nutrient nitrogen levels are near critical load levels	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	these policies are confirmed and the LU and DM policies written.						
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Plans and programmes likely to have an effect							
<ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Government, 2013 & Active Travel Action Plan for Wales – Welsh Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion 2020 - Ceredigion Community Strategy (2013) 4. Ceredigion Corporate Plan 2017 - 2022 5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Final Water Resources Management Plan (2019) 9. Western Wales River Basin Management Plan (2015) 10. Biosffer Dyfi Biosphere Tourism Plan 2014 – 2017 (2014) 11. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 12. Mid Wales Joint Local Transport Plan 2015 - 2020 13. Mid Wales Regional Regeneration Plan 2018 - 2033 14. Mobile Action Plan Welsh Government, 2017. 15. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Government, 2013. 16. Rights of Way Improvement Plan (2018) 17. Technical Advice Note 8: Planning for Renewable Energy (2005) 18. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 19. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 20. Waste Management Strategy for Ceredigion February 2002 21. Watersports Tourism Strategy (2004) 22. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015 							

Table 6. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Coedydd a Cheunant Rheidol / Rheidol Woods & Gorge SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects from small developments on the boundary TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects from small developments on the boundary TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on micro-climate	All the Strategic Policies have potential for impact on European Sites and need to be further	Assess when policies are written	Possibility of cumulative effects of hydroschemes upstream	Yes	Assess when policies are written	Possibility of cumulative effects of hydroschemes upstream	Possible - Reassess when policies are written

	assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written
Erosion	All the Strategic Policies have potential for impact on European	Assess when policies are written	Possible from cumulative increase in visitors	Yes	Assess when policies are written	Possible from cumulative increase in visitors	Possible - Reassess when policies are written

	Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible as nutrient nitrogen and acidification critical loads have been exceeded	Yes	Assess when policies are written	Possible as nutrient nitrogen and acidification critical loads have been exceeded	Possible - Reassess when policies are written
Climate Change	All the Strategic Policies have potential for	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

<p>impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.</p>						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion 2020 - Ceredigion Community Strategy (2013) 4. Ceredigion Corporate Plan 2017 - 2022 5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Final Water Resources Management Plan (2019) 9. Western Wales River Basin Management Plan (2015) 10. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 11. Mid Wales Joint Local Transport Plan 2015 - 2020 12. Mid Wales Regional Regeneration Plan 2018 - 2033 13. Mobile Action Plan Welsh Assembly Government, 2017. 14. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 15. Rights of Way Improvement Plan (2018) 16. Technical Advice Note 8: Planning for Renewable Energy (2005) 17. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 						

18. Wales Nature Recovery Plan – Welsh Assembly Government, 2015.
19. Waste Management Strategy for Ceredigion February 2002
20. Watersports Tourism Strategy (2004)
21. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015

Table 7. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Cors Caron SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects as although not likely to be much development, all bog features are in unfavourable condition Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects as although not likely to be much development, all bog features are in unfavourable condition Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on hydrology	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, drainage or erosion	Yes	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, drainage or erosion	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Disturbance and erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in recreational activities such as walking	Yes	Assess when policies are written	Possible from cumulative increase in recreational activities such as walking	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen and acidification critical loads have been exceeded for at least one feature	Yes	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen and acidification critical loads have been exceeded for at least one feature	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion 2020 - Ceredigion Community Strategy (2013) 4. Ceredigion Corporate Plan 2017 - 2022 5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Ceredigion Tourism Growth Area Implementation Plan (2002) 9. Western Wales River Basin Management Plan (2015) 10. Mid Wales Joint Local Transport Plan 2015 - 2020 11. Mid Wales Regional Regeneration Plan 2018 - 2033 12. Mobile Action Plan Welsh Assembly Government, 2017. 13. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 14. Rights of Way Improvement Plan (2018) 15. Technical Advice Note 8: Planning for Renewable Energy (2005) 16. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 17. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 18. Waste Management Strategy for Ceredigion February 2002 19. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015 							

Table 8. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Cors Fochno and Dyfi Estuary / Aber Dyfi SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects, particularly flood defences TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects, particularly flood defences, visitor berths etc TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on hydrology	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood defence measures	Yes	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood defence measures	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Disturbance and erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in recreational activities such as walking, shooting etc.	Yes	Assess when policies are written	Possible from cumulative increase in recreational activities such as walking, shooting etc.	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen critical loads have not been exceeded, however acidification critical levels have. The Dyfi estuary is	Yes	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen critical loads have not been exceeded, however acidification critical levels have. The	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.		'probably not at risk' from nutrient nitrogen			Dyfi estuary is 'probably not at risk' from nutrient nitrogen	
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written and mitigation measures built

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Plans and programmes likely to have an effect							
<ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion Climate Change Strategy and Borth Coastal Defence 4. Ceredigion 2020 - Ceredigion Community Strategy (2013) 5. Ceredigion Corporate Plan 2017 - 2022 6. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 7. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 8. Ceredigion Local Wellbeing Plan 2018 - 2023 9. Ceredigion Shoreline Management Plan (2004) 10. Ceredigion Tourism Growth Area Implementation Plan (2002) 11. Natural Resources Wales (2015) Western Wales River Basin Management Plan 2015-2021Final Water Resources Management Plan (2019) 12. Western Wales River Basin Management Plan (2015) 13. Dyfi Valley Coast Path Development Proposals 14. Biosffer Dyfi Biosphere Tourism Plan 2014 – 2017 (2014) 15. Managing Flood Risk: North West Wales Catchment Flood Management Plan (2007) 16. Mid Wales Joint Local Transport Plan 2015 - 2020 17. Mid Wales Regional Regeneration Plan 2018 - 2033 18. Mobile Action Plan Welsh Assembly Government, 2017. 19. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 20. Rights of Way Improvement Plan (2018) 21. Eryri Local Development Plan 2016 - 2031 22. Technical Advice Note 8: Planning for Renewable Energy (2005) 23. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 24. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 25. Waste Management Strategy for Ceredigion February 2002 26. Watersports Tourism Strategy (2004) 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
27. West of Wales Shore Line Management Plan 2 2012 28. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

Table 9. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Cwm Doethie - Mynydd Mallaen SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects as although not likely to be much development, both features are in unfavourable condition Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects as although not likely to be much development, both features are in unfavourable condition Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on micro-climate	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possibility of cumulative effects of hydroschemes upstream	Yes	Assess when policies are written	Possibility of cumulative effects of hydroschemes	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in recreational activities such as off-roading	Yes	Assess when policies are written	Possible from cumulative increase in recreational activities such as off-roading	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen and acidification critical loads have not been exceeded, but they are at their the limit and the features are	Yes	Assess when policies are written	Not from plans or projects identified	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.		already in unfavourable condition				
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written and mitigation measures built

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion 2020 - Ceredigion Community Strategy (2013) 4. Ceredigion Corporate Plan 2017 - 2022 5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Ceredigion Tourism Growth Area Implementation Plan (2002) 9. Mid Wales Joint Local Transport Plan 2015 - 2020 10. Mid Wales Regional Regeneration Plan 2018 - 2033 11. Mobile Action Plan Welsh Assembly Government, 2017. 12. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 13. Rights of Way Improvement Plan (2018) 14. Technical Advice Note 8: Planning for Renewable Energy (2005) 15. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 16. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 17. Waste Management Strategy for Ceredigion February 2002 18. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015 							

Table 10. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Elenydd – Mallaen SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects as although not likely to be much development, many of the features are in unfavourable condition Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects as although not likely to be much development, many of the features are in unfavourable condition Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on hydrology	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site	Yes	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including utilities and infrastructure	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Disturbance and Erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in recreational activities such as off-roading	Yes	Assess when policies are written	Possible from cumulative increase in recreational activities such as off-roading	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen and acidification critical loads have been exceeded for at least one of the features	Yes	Assess when policies are written	Not from plans or projects identified	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	<p>Possible from cumulative effects of construction of developments on river banks and developments not covered by SUDs</p> <p>TAN 15 allows some development in C flood zone depending on certain criteria.</p> <p>Depends on size, location and type of development</p>	Yes	Assess when policies are written	<p>Possible from cumulative effects of construction of developments on river banks and developments not covered by SUDs</p> <p>TAN 15 allows some development in C flood zone depending on certain criteria.</p> <p>Depends on size, location and type of development</p>	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Central Wales Plan (2007) 2. Ceredigion 2020 - Ceredigion Community Strategy (2013) 3. Ceredigion Corporate Plan 2017 - 2022 4. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 5. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 6. Ceredigion Local Wellbeing Plan 2018 - 2023 7. Ceredigion Tourism Growth Area Implementation Plan (2002) 8. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) 9. Mid Wales Joint Local Transport Plan 2015 - 2020 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
<p>10. Mid Wales Regional Regeneration Plan 2018 - 2033</p> <p>11. Mobile Action Plan Welsh Assembly Government, 2017.</p> <p>12. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013.</p> <p>13. Rights of Way Improvement Plan (2018)</p> <p>14. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016.</p> <p>15. Technical Advice Note 8: Planning for Renewable Energy (2005)</p> <p>16. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015.</p> <p>17. Wales Nature Recovery Plan – Welsh Assembly Government, 2015.</p> <p>18. Waste Management Strategy for Ceredigion February 2002</p> <p>19. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015</p>							

Table 11. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Grogwynion SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects from small developments on the boundary TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects from small developments on the boundary TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on hydrology	All the Strategic Policies have potential for impact on European Sites and need to be further	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood defence, drainage and abstraction	Yes	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood defence, drainage and abstraction	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in visitors	Yes	Assess when policies are written	Possible from cumulative increase in visitors	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once	Assess when policies are written	Possible as acidification critical loads have been exceeded, nutrient nitrogen levels have not been exceeded	Yes	Assess when policies are written	Possible as acidification critical loads have been exceeded, nutrient nitrogen levels have not been exceeded	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	these policies are confirmed and the LU and DM policies written.						
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion Community Strategy 4. Ceredigion Corporate Plan 2017 - 2022 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Final Water Resources Management Plan (2019) 9. Western Wales River Basin Management Plan (2015) 10. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 11. Mid Wales Joint Local Transport Plan 2015 - 2020 12. Mid Wales Regional Regeneration Plan 2018 - 2033 13. Mobile Action Plan Welsh Assembly Government, 2017. 14. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 15. Rights of Way Improvement Plan (2018) 16. Technical Advice Note 8: Planning for Renewable Energy (2005) 17. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 18. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 19. Waste Management Strategy for Ceredigion February 2002 20. Watersports Tourism Strategy (2004) 21. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

Table 12. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Pen Llyn a'r Sarnau SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects, particularly flood defences TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects, particularly flood defences and visitor berths TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Reduced water and sediment quality	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible from cumulative effects from increase in boating, fish farm discharge and litter from sewerage systems and beach	Yes	Assess when policies are written	Possible from cumulative effects from increase in boating, fish farm discharge and litter from sewerage systems and beach	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		visitors Depends on size, location and type of development			visitors Depends on size, location and type of development	
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and coast TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and coast TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Disturbance	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in water related recreation	Yes	Assess when policies are written	Possible from cumulative increase in water related recreation	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible from cumulative effects, nutrient nitrogen and acidification critical loads have not been exceeded and levels are relatively low. The Dyfi estuary is	Yes	Assess when policies are written	Not from projects or plans considered	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.		'probably not at risk' from nutrient nitrogen				
Physical Modification	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from flood defences and flood defence schemes causing coastal squeeze	Yes	Assess when policies are written	Possible from flood defences and flood defence schemes and marina/harbour improvements causing coastal squeeze	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion Climate Change Strategy and Borth Coastal Defence 4. Ceredigion Climate Change Strategy and Borth Coastal Defence 5. Ceredigion 2020 - Ceredigion Community Strategy (2013) 6. Ceredigion Corporate Plan 2017 - 2022 7. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 8. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
9. Ceredigion Local Wellbeing Plan 2018 - 2023 10. Final Water Resources Management Plan (2019) 11. Western Wales River Basin Management Plan (2015) 12. Mid Wales Joint Local Transport Plan 2015 - 2020 13. Mid Wales Regional Regeneration Plan 2018 - 2033 14. Mobile Action Plan Welsh Assembly Government, 2017. 15. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 16. Powys Local Development Plan 2011-2026 (2018) 17. Snowdonia NP LDP 18. Technical Advice Note 8: Planning for Renewable Energy (2005) 19. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 20. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 21. Waste Management Strategy for Ceredigion February 2002 22. Watersports Tourism Strategy (2004) 23. West of Wales Shore Line Management Plan 2 2012 24. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

Table 13. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Rhos Llawr Cwrt SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss from SAC and surrounding area, including hedgerows and lines of trees	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects from small developments on the boundary and in surrounding are of land suitable or currently supporting metapopulations Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects from small developments on the boundary and in surrounding are of land suitable or currently supporting metapopulations Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on hydrology	All the Strategic Policies have potential for impact on European	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood	Yes	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		defence, drainage and abstraction			defence, drainage and abstraction	
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	and the LU and DM policies written.						
Erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in visitors	Yes	Assess when policies are written	Possible from cumulative increase in visitors	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on	Assess when policies are written	Possible cumulative effects, acidification critical loads have been reached, nutrient nitrogen	No	Assess when policies are written	Not from projects or plans considered	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		critical loads haven't for the habitats, although butterflies may be affected depending on site				
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	confirmed and the LU and DM policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion 2020 - Ceredigion Community Strategy (2013) 4. Ceredigion Corporate Plan 2017 - 2022 5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Final Water Resources Management Plan (2019) 9. Western Wales River Basin Management Plan (2015) 10. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 11. Mid Wales Joint Local Transport Plan 2015 - 2020 12. Mid Wales Regional Regeneration Plan 2018 - 2033 13. Mobile Action Plan Welsh Assembly Government, 2017. 14. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 15. Rights of Way Improvement Plan (2018) 16. Technical Advice Note 8: Planning for Renewable Energy (2005) 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
<p>17. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015.</p> <p>18. Wales Nature Recovery Plan – Welsh Assembly Government, 2015.</p> <p>19. Waste Management Strategy for Ceredigion February 2002</p> <p>20. Watersports Tourism Strategy (2004)</p> <p>21. West of Wales Shore Line Management Plan 2 2012</p> <p>22. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015</p>							

Table 14. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Rhos Talglas SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below) †	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Habitat loss from SAC and surrounding area, including hedgerows and lines of trees	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects from small developments on the boundary and in surrounding area of land suitable or currently supporting metapopulations Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects from small developments on the boundary and in surrounding area of land suitable or currently supporting metapopulations Depends on size, location and type of development	Possible - Reassess when policies are written
Effect on hydrology	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood	Yes	Assess when policies are written	Possible, particularly from cumulative effects of development on or near the site, including flood	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below) †	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		defence, drainage and abstraction			defence, drainage and abstraction	
Pollution	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below) †	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Erosion	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in visitors	Yes	Assess when policies are written	Possible from cumulative increase in visitors	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible, but nutrient nitrogen and acidification critical loads have not been reached or are they at risk	No	Assess when policies are written	Not from projects or plans considered	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below) †	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below) †	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion 2020 - Ceredigion Community Strategy (2013) 4. Ceredigion Corporate Plan 2017 - 2022 5. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 6. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 7. Ceredigion Local Wellbeing Plan 2018 - 2023 8. Natural Resources Wales (2015) Western Wales River Basin Management Plan 2015-2021Final Water Resources Management Plan (2019) 9. Western Wales River Basin Management Plan (2015) 10. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 11. Mid Wales Joint Local Transport Plan 2015 - 2020 12. Mid Wales Regional Regeneration Plan 2018 - 2033 13. Mobile Action Plan Welsh Assembly Government, 2017. 14. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 15. Rights of Way Improvement Plan (2018) 16. Technical Advice Note 8: Planning for Renewable Energy (2005) 17. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 18. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 19. Waste Management Strategy for Ceredigion February 2002 20. Watersports Tourism Strategy (2004) 21. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015 							

Table 15. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Afon Tywi / River Towy SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Loss of bank side and river habitat	None	N/A	N/A	N/A	N/A	N/A	N/A
Reduced or altered flow	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	No, but need to reassess when policies are written.	Yes	Assess when policies are written	Possible Need to ensure allocate land for development away from problem areas highlighted and extra mitigation considered	Possible - Reassess when policies are written
Reduction in water quality	All the Strategic Policies have potential for	Assess when policies are written	Possible from developments not covered by SUDS and cumulative	Yes	Assess when policies are written	Possible from developments not covered by SUDS	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		effects Depends on size, location and type of development			and cumulative effects	
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size,	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	and the LU and DM policies written.					location and type of development	
Disturbance	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in water related recreation f	Yes	Assess when policies are written	Possible from cumulative increase in water related recreation	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European	Assess when policies are written	Possible, nutrient nitrogen and acidification critical loads are unknown, however parts of the Tywi are 'at risk' from	Yes	Assess when policies are written	Possible, nutrient nitrogen and acidification critical loads are unknown, however parts of the Tywi are 'at risk'	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		acidification and 'probably not at risk' from nitrate			from acidification and 'probably not at risk' from nitrate	
Physical Modification	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible from flood alleviation and cumulative impacts of transport infrastructure, micro-hydro, tourism etc.	Yes	Assess when policies are written	Possible from flood alleviation and cumulative impacts of transport infrastructure, micro-hydro, tourism etc	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Increase in flooding events	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and flood defence TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and flood defence TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Pollution (bogs)	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects Depends on size,	Yes	Assess when policies are written	Possible from developments not covered by SUDS and cumulative effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.		location and type of development				
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Plans and programmes likely to have an effect							
<ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion Corporate Plan 2017 - 2022 4. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 5. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 6. Ceredigion Local Wellbeing Plan 2018 - 2023 7. Final Water Resources Management Plan (2019) 8. Natural Resources Wales (2015) Western Wales River Basin Management Plan 2015-2021The Welsh Government Strategy for Tourism 2013 – 2020 Partnership for Growth 9. Metal Mine Strategy for Wales (2008) 10. Mid Wales Joint Local Transport Plan 2015 - 2020 11. Mid Wales Regional Regeneration Plan 2018 - 2033 12. Mobile Action Plan Welsh Assembly Government, 2017. 13. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 14. Technical Advice Note 8: Planning for Renewable Energy (2005) 15. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 16. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 17. Waste Management Strategy for Ceredigion February 2002 18. Watersports Tourism Strategy (2004) 19. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015 							

Table 16. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on River Wye / Afon Gwy SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Loss of bank side and river habitat	None	N/A	N/A	N/A	N/A	N/A	N/A
Reduced or altered flow	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	No, but need to reassess when policies are written.	Yes	Assess when policies are written	Possible Need to ensure allocate land for development away from problem areas highlighted and extra mitigation considered	Possible - Reassess when policies are written
Reduction in water quality	All the Strategic Policies have potential for	Assess when policies are written	Possible from developments not covered by SUDS and cumulative	Yes	Assess when policies are written	Possible from developments not covered by SUDS	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		effects Depends on size, location and type of development			and cumulative effects	
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size,	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	and the LU and DM policies written.					location and type of development	
Disturbance	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in water related recreation	Yes	Assess when policies are written	Possible from cumulative increase in water related recreation	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European	Assess when policies are written	Possible, acidification critical loads have been exceeded for at least one feature, the nutrient nitrogen critical load levels	Yes	Assess when policies are written	Possible, acidification critical loads have been exceeded for at least one feature, the nutrient nitrogen	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.		have not been reached for features with known critical loads, acidification and nutrient nitrogen critical levels are unknown for the other features. However, the Wye in Wales is 'probably not at risk' from nitrate			critical load levels have not been reached for features with known critical loads, acidification and nutrient nitrogen critical levels are unknown for the other features. However, the Wye in Wales is 'probably not at risk' from nitrate	
Physical Modification	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU	Assess when policies are written	Possible from flood alleviation and cumulative impacts of transport infrastructure, micro-hydro, tourism etc	Yes	Assess when policies are written	Possible from flood alleviation and cumulative impacts of transport infrastructure, micro-hydro, tourism etc	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	and DM policies written.						
Increase in flooding events	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and flood defence TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and flood defence TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Climate Change	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Active Travel (Wales) Act 2013 – Welsh Assembly Government, 2013 & Active Travel Action Plan for Wales – Welsh Assembly Government, 2016. 2. Central Wales Plan (2007) 3. Ceredigion Corporate Plan 2017 – 2022 4. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 5. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 6. Ceredigion Local Wellbeing Plan 2018 – 2023 7. The Welsh Government Strategy for Tourism 2013 – 2020 Partnership for Growth 8. Metal Mine Strategy for Wales (2008) 9. Mid Wales Joint Local Transport Plan 2015 – 2020 10. Mid Wales Regional Regeneration Plan 2018 – 2033 11. Mobile Action Plan Welsh Assembly Government, 2017. 12. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 13. Powys Local Development Plan 2011-2026 (2018) 14. Technical Advice Note 8: Planning for Renewable Energy (2005) 15. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
16. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 17. Waste Management Strategy for Ceredigion February 2002 18. Watersports Tourism Strategy (2004) 19. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

Table 17. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on North Pembrokeshire Woodlands (Bats) SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Habitat loss including hedgerows and lines of trees	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects and where Ceredigion roost and / or flight paths to and from hibernation sites are disrupted Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written
Disturbance	All the Strategic Policies have potential for impact on European Sites and	Assess when policies are written	Possible from cumulative increase	Yes	Assess when policies are written	Possible from cumulative increase	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
Pollution (light)	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM	Assess when policies are written	Possible direct and cumulative impact from light pollution Depends on lighting design	Yes	Assess when policies are written	Possible direct and cumulative impact from light pollution Depends on lighting design	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	policies written.						
Effect on micro-climate	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possibility of cumulative effects from hedgerow and tree removal, hard surfaces	Yes	Assess when policies are written	Possibility of cumulative effects from hedgerow and tree removal, hard surfaces	Possible - Reassess when policies are written
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	further assessed against the features once these policies are confirmed and the LU and DM policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Carmarthenshire LDP Preferred Strategy 2. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 3. The Welsh Government Strategy for Tourism 2013 – 2020 Partnership for Growth 4. Micro-generation Action Plan for Wales WAG (2007) 5. Mid Wales Joint Local Transport Plan 2015 - 2020 6. Mid Wales Regional Regeneration Plan 2018 - 2033 7. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 8. Rights of Way Improvement Plan (CCC) (Sept 2019) 9. Sustainable Farming and Environment: Action Towards 2020 10. Technical Advice Note 8: Planning for Renewable Energy. (2005) WAG 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
<p>11. Teifi Catchment Abstraction Management Strategy (2004) EAW</p> <p>12. Teifi Estuary management Plan (CCC)</p> <p>13. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015.</p> <p>14. Wales Nature Recovery Plan – Welsh Assembly Government, 2015.</p> <p>15. Wales Spatial Plan Update (2008)</p> <p>16. Waste Management Strategy for Ceredigion February 2002</p> <p>17. Mobile Action Plan Welsh Assembly Government, 2017.</p> <p>18. Water Resources for the future: a water resource strategy for England and Wales: a summary of the strategy in Wales (2001) EAW.</p> <p>19. Watersports Tourism Strategy (2004) WAG</p> <p>20. Welsh Coastal Tourism Strategy – Welsh Assembly Government, 2008.</p> <p>21. West of Wales Shore Line Management Plan 2 2012</p> <p>22. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015</p>							

Table 18. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on Meirionydd Oakwoods and Bat Sites (Bats) SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Habitat loss including hedgerows and lines of trees	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects and where Ceredigion roost and / or flight paths to and from hibernation sites are disrupted Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects Depends on size, location and type of development	Possible - Reassess when policies are written
Disturbance	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once	Assess when policies are written	Possible from cumulative increase	Yes	Assess when policies are written	Possible from cumulative increase	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	these policies are confirmed and the LU and DM policies written.						
Pollution (light)	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible direct and cumulative impact from light pollution Depends on lighting design	Yes	Assess when policies are written	Possible direct and cumulative impact from light pollution Depends on lighting design	Possible - Reassess when policies are written
Effect on micro-climate	All the Strategic Policies have potential for impact on European Sites and need to be further assessed	Assess when policies are written	Possibility of cumulative effects from hedgerow and tree removal, hard surfaces	Yes	Assess when policies are written	Possibility of cumulative effects from hedgerow and tree removal, hard surfaces	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	against the features once these policies are confirmed and the LU and DM policies written.						
Climate Change	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Biosffer Dyfi Biosphere Tourism Plan 2014 – 2017 (2014) 2. Energy Wales: Route map to a clean, low-carbon and more competitive energy future for Wales. (2005) WAG 3. The Welsh Government Strategy for Tourism 2013 – 2020 Partnership for Growth 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
<p>4. Managing Flood Risk: Pembrokeshire and Ceredigion Rivers Catchment Flood Management Plan 2007. EAW</p> <p>5. Micro-generation Action Plan for Wales WAG (2007)</p> <p>6. Mid Wales Joint Local Transport Plan 2015 - 2020</p> <p>7. Mid Wales Regional Regeneration Plan 2018 - 2033</p> <p>8. Mobile Action Plan Welsh Assembly Government, 2017.</p> <p>9. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013.</p> <p>10. Pembrokeshire LDP Preferred Strategy</p> <p>11. Pembrokeshire National Park Authority Deposit LDP</p> <p>12. Rights of Way Improvement Plan (CCC) (Sept 2019)</p> <p>13. Sustainable Farming and Environment: Action Towards 2020</p> <p>14. Technical Advice Note 8: Planning for Renewable Energy. (2005) WAG</p> <p>15. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015.</p> <p>16. Wales Nature Recovery Plan – Welsh Assembly Government, 2015.</p> <p>17. Wales Spatial Plan Update (2008)</p> <p>18. Waste Management Strategy for Ceredigion February 2002</p> <p>19. Water Resources for the future: a water resource strategy for England and Wales: a summary of the strategy in Wales (2001) EAW.</p> <p>20. Watersports Tourism Strategy (2004) WAG</p>							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
21. Welsh Coastal Tourism Strategy – Welsh Assembly Government, 2008.							
22. West of Wales Shore Line Management Plan 2 2012							
23. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

Table 19. Summary of the assessment of likely significant negative effects of LDP Strategic Policies and other plans or projects on West Wales Marine / Gorllewin Cymru Forol SAC

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
Habitat loss	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects, particularly flood defences and marina/harbour extensions TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects, particularly flood defences and marina/harbour extensions TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written
Reduced water and sediment quality	All the Strategic Policies have potential for impact on European Sites and need to be further	Assess when policies are written	Possible from cumulative effects from increase in boating, fish farm discharge and litter from sewerage systems and beach visitors	Yes	Assess when policies are written	Possible from cumulative effects from increase in boating, fish farm discharge and litter from sewerage systems and beach visitors	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	assessed against the features once these policies are confirmed and the LU and DM policies written.		Depends on size, location and type of development			Depends on size, location and type of development	
Increase in suspended sediment	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and coast, water related recreation etc. TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Yes	Assess when policies are written	Possible from cumulative effects of construction of developments on river banks and coast, water related recreation etc. TAN 15 allows some development in C flood zone depending on certain criteria. Depends on size, location and type of development	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
Disturbance	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from cumulative increase in water related recreation	Yes	Assess when policies are written	Possible from cumulative increase in water related recreation	Possible - Reassess when policies are written
Atmospheric deposition	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once	Assess when policies are written	Possible, nutrient nitrogen and acidification critical loads have not been exceeded, although for some features these are unknown. The Teifi estuary is 'probably at risk' from nutrient nitrogen	Yes	Assess when policies are written	Possible nutrient nitrogen and acidification critical loads have not been exceeded, although for some features these are unknown. The Teifi estuary is 'probably at risk from nutrient nitrogen'	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic polices?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic polices?	Risk of In-combination effects?	AA required?
	these policies are confirmed and the LU and DM policies written.						
Physical Modification	All the Strategic Policies have potential for impact on European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.	Assess when policies are written	Possible from flood defences and flood defence schemes and marina/harbour improvements causing coastal squeeze	Yes	Assess when policies are written	Possible from flood defences and flood defence schemes and marina/harbour improvements causing coastal squeeze	Possible - Reassess when policies are written
Climate Change	All the Strategic Policies have potential for impact on	Assess when policies are written	Possible, including from cumulative and in-combination effects	Yes	Assess when policies are written	Possible, including from cumulative and in-combination effects	Possible - Reassess when policies are written

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
	European Sites and need to be further assessed against the features once these policies are confirmed and the LU and DM policies written.						
<p>Plans and programmes likely to have an effect</p> <ol style="list-style-type: none"> 1. Managing Flood Risk: North West Wales Catchment Flood Management Plan (2007) 2. Ceredigion Shoreline Management Plan (2004) 3. Watersports Tourism Strategy (2004) 4. Technical Advice Note 8: Planning for Renewable Energy (2005) 5. Central Wales Plan (2007) 6. Cardigan Bay Special Area of Conservation Management Plan (2008) 7. Teifi Estuary Management Plan 8. Cardigan Bay Action Plan (2007) 9. Teifi Catchment Abstraction Management Strategy (2004) and Update (2008) 10. Llandysul and Pont-Tyweli Spatial Regeneration Strategy (2007) 11. Lampeter Economic Development & Regeneration Strategy 12. Proforma for stage 3: Review of Consents Teifi (2006) 13. Stage 4 - Review of Consents Site Action Plan (2008) 14. Western Wales River Basin Management Plan (2015) 							

Potential Impacts from LDP Strategic Policies	LDP Strategic Policies of concern	Mitigation measures / strategic policies?	Likely significant effect?	Likely effect from other plans and programmes (see below)	Mitigation measures / strategic policies?	Risk of In-combination effects?	AA required?
15. Final Water Resources Management Plan (2019) 16. Ceredigion 2020 - Ceredigion Community Strategy (2013) 17. Ceredigion Climate Change Strategy and Borth Coastal Defence Ceredigion Corporate Plan 2017 – 2022 18. Ceredigion Destination Management Plan 2012/2020– Ceredigion County Council, 2013. 19. Ceredigion Local Flood Risk Management Strategy – Ceredigion County Council, 2014. 20. Ceredigion Local Wellbeing Plan 2018 – 2023 21. Mid Wales Joint Local Transport Plan 2015 – 2020 22. Mid Wales Regional Regeneration Plan 2018 – 2033 23. Partnership for Growth: strategy for tourism 2013-2020 – Welsh Assembly Government, 2013. 24. TraCC the Mid Wales Joint Local Transport Plan 2015 – Prepared Jointly by Ceredigion County Council, Gwynedd County Council & Powys County Council, 2015. 25. Wales Nature Recovery Plan – Welsh Assembly Government, 2015. 26. Waste Management Strategy for Ceredigion February 2002. 27. West of Wales Shore Line Management Plan 2 2012 28. Western Wales River Basin Management Plan 2015-2021 – Natural Resources Wales, 2015							

7. Key Issues

7.1 As a result of the assessments, several key issues have been highlighted for Ceredigion and the Ceredigion LDP. These are water availability, impact on air quality, impact on water quality, land claim of European Sites and land integral to the site's features and loss of landscape structure (habitat fragmentation, lack of connectivity), climate change impacts and the impact of an increase in recreation. These issues are discussed further below. A summary of the issues and which sites are affected is below in Table 20.

Table 20. Summary of key issues and sites affected. –

European Site	Key issues, either from LDP Preferred Strategy alone or in-combination	Requires extra intrinsic design measures?	Likely to still be a need for an AA?
Afon Teifi / River Teifi	All	Yes – through LU and DM policies	Possibly in relation to air pollution and recreation
Cardigan Bay/ Bae Ceredigion	Air quality Water quality Land claim (coastal squeeze) Climate Change impacts Recreation	Yes – through LU and DM policies	Possibly in relation to recreation
Coed Cwm Einion	All – particularly air pollution and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Coedydd a Cheunant Rheidol/ Rheidol Woods & Gorge	All – particularly air pollution and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation

Cors Caron	All – particularly air pollution and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Cors Fochno and Dyfi Estuary / Aber Dyfi	All – particularly air pollution and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Cwm Doethie - Mynydd Mallaen	All – particularly recreation	Yes– through LU and DM policies	Possibly in relation to recreation
Elenydd – Mallaen	All – particularly air pollution and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Grogwynion	All – particularly air pollution and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Pen Llyn a'r Sarnau/ Llyn Penisular and the Sarnau	All – particularly recreation	Yes– through LU and DM policies	Possibly in relation to recreation
Rhos Llawr Cwrt	All – particularly air pollution, land claim and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Rhos Talglas	All – particularly air pollution, land claim and recreation	Yes– through LU and DM policies	Possibly in relation to air pollution and recreation
Afon Tywi / River Towy	Water availability Water quality Air pollution Recreation	Yes– through LU and DM policies	Possibly in relation to air pollution
River Wye / Afon Gwy	Water availability Water quality Air pollution Recreation	Yes– through LU and DM policies	No
North Pembrokeshire Woodlands**	Light pollution and loss of landscape structure	Yes – through LU and DM policies	No

Meirionnydd Oakwoods and Bat Sites /	Light pollution and loss of landscape structure	Yes – through LU and DM policies	No
West Wales Marine / Gorllewin Cymru Forol	Air quality Water quality Land claim (coastal squeeze) Climate Change impacts Recreation	Yes – through LU and DM policies	Possibly in relation to recreation

Water availability

Current status

- 7.2 An issue has been highlighted in the past in relation to water availability in Ceredigion, particularly in the south of the county. Natural flows are essential for river SACs and water levels can also be important for terrestrial habitats such as lowland raised bogs. Dwr Cymru Welsh Water (DC/WW) is satisfied that recent network improvements and extensive pressure reduction management work throughout the area has reduced the demand loading for the Mid and South Ceredigion zone. This means that there is currently enough water available for DC/WW customer supply.
- 7.3 DC/WW's Final Water Resources Management Plan (2019) predicts that a supply-demand water surplus for their plan period to 2050 for the two Ceredigion Zones – North Ceredigion and South and Mid Ceredigion.
- 7.4 These forecasts include impacts of climate change and sustainability reductions from the review of consents process where issues with abstraction were highlighted in particular on the Wye, Usk and Cleddau. Therefore, Ceredigion County Council need to ensure the replacement LDP does not add to the problem.
- 7.5 However, DC/WW's figures are not based on the new Ceredigion LDP's projected growth for the area so there may be discrepancies. However

given the projected growth for the replacement plan is significantly lower than LDP1 it is not anticipated to be a problem.

- 7.6 According to Natural Resources Wales Teifi Catchment Abstraction Management Strategy (CAMS) Update (2014), there are 70 licensed abstractions within the Teifi & North Ceredigion CAMS area, 65 of which are from surface waters and 5 from groundwaters. Over 99% of the total volume of water licensed for abstraction is from surface waters. This reflects the large proportion of the catchments that are currently exempt from licensing for abstractions from groundwater. Abstractions from groundwater sources over a large part of southwest Wales are currently exempt from licensing by Statutory Instrument (South West Wales River Authority (Exceptions from Control) Order 1965). This groundwater exemption is likely to be removed under the Water Act 2003.
- 7.7 A review of consents study of the consents affecting the Teifi (Environment Agency Wales, 2007a) has highlighted current issues with abstraction in the Teifi. Stage 3 highlighted 8 non-consumption consents that could be having a significant negative affect on the integrity of the Teifi's SAC features by impinging on migratory routes, limiting access to potential spawning habitat of salmon and lamprey, causing damage to lamprey ammocoete habitat and entrainment of fish. This could then cause an indirect effect on the food supply of otter. Only one consumptive abstraction licence was taken through to stage 3 and this was because of its inadequate screening, not due to over-abstraction. Three environmental outcomes have been identified for the Teifi SAC from stage 4 (2008):
- a. Ensure that there is, and will be adequate flow throughout the SAC and its estuary to maintain/restore the integrity of features within the European site.
 - b. Ensure that the frequency and magnitude of spate flows in the SAC are adequate to maintain/restore the integrity of the European site.

- c. Ensure that the risk of entrainment of downstream migrating smolt of Atlantic salmon and downstream migrating lamprey transformers is minimised to maintain/restore the integrity of the European site.

- 7.8 The Natural Resources Wales (2015) Western Wales River Basin Management Plan 2015-2021), which outlines the current status of water bodies according the Water Framework Directive (WFD) and actions to improve the status of failing water bodies, listed water abstraction as not being a significant water management issue for the river basin district. However, two 'water bodies' on the Teifi are listed as 'probably at risk' from abstraction. Also, Cors Fochno and the Dyfi and Coed Cwm Einion are water dependent terrestrial systems that are 'at risk'.
- 7.9 Although it appears that at present there is sufficient water across most of the county, increased growth of Ceredigion, and so demand on the rivers, as well as climate change increasing storm events and possibly causing drier summers, mean that it is difficult to conclude whether or not there will be too much pressure on the rivers in the future. Therefore, it is uncertain as to whether the European Sites will be affected. Due to this, each development will need to be looked at on a case by case basis as to whether there is sufficient water capacity.
- 7.10 Additionally, Carmarthenshire's and Pembrokeshire's housing allocations and policies will need to be considered as currently a small percentage of their water comes from the Ceredigion catchment. Any economic developments abstracting directly from the water bodies, e.g. mineral extractions and biomass plants, will need to be considered, including non-consumptive processes that return the water but may affect the flow regimes, e.g. micro-hydro.
- 7.11 The new LDP policies should reduce effects and prevent significant negative impacts from development requiring abstraction from water bodies with known issues, as highlighted in the review of consents process or other identifications. However, where there are developments proposed that wish

to abstract direct from a water body, where there are no known problems, there is potential for significant effects. Also, there are potential issues from non-consumptive abstractions, which can affect natural flow of rivers, and abstractions which cause entrainment. These developments, including mineral workings and other non-construction developments should count as a 'plan or project' under the policies in TAN 5 and therefore will be judged on a case by case basis (Dodds *et al* 2008).

Further recommended mitigation and likely outcome

- 7.12 Even so, Ceredigion County Council should work closely with NRW to avoid allocating development in areas with potential problems. For example, a policy element that requires developments abstracting a certain volume of water and above to assess whether there is capacity for their abstraction, or, if it is non-consumptive, that the abstraction does not affect the frequency and magnitude of spate flows. Also, a policy element that says abstractions must have suitable screening would be suitable. In any case, under the Habitats Regulations NRW has a duty to assess the effects of existing abstraction licences and any new applications to make sure they are not impacting on internationally important nature conservation sites. Therefore, policies that could increase the use of water should not need an appropriate assessment. However, this will need to be re-assessed when specific policies are written to confirm this.

Effect of LDP Preferred Strategy, Mitigation and other plans/projects

The effect of the Preferred Strategy, LU and DM Policies together with the in-combination effects of other plans and projects will be assessed at the next stage. Further mitigation will be suggested as appropriate.

Future considerations

- 7.13 Although it is likely that the current capacity will be able to meet the needs of development during this plan's lifetime, it's possible that by the end of the 15 year period there could be uncertainty as to whether there is capacity for another 15 years. Ceredigion is a high rainfall area and so there shouldn't be a deficit in water, particularly with increased storm events, however, due

to the lack of water storage this could be a sincere possibility in the future. Additionally, the predicted hotter drier summers will put pressure on water availability. Therefore, further recommendations are for DC/WW to allocate areas for appropriate water storage.

Air Quality

Current status

- 7.14 Air pollution such as NO₂, NO_x, NH₃, Ozone and SO₄ can lead to negative effects on terrestrial and water habitats. Nitrogen based pollutants can lead to a build-up of nutrient nitrogen from atmospheric nitrogen deposition (depositing of pollutants from the air back to the earth's surface). This can then lead to eutrophication of surface waters, which can; de-oxygenate the water, killing fish; increase turbidity, reducing light levels to plants and restricting photosynthesis; and could lead to toxic blooms. This could have severe implications for freshwater and marine SACs, such as Afon Teifi SAC, Corsydd Fochno and Caronand Cardigan Bay and West Wales Marine SAC.
- 7.15 Additionally, atmospheric nitrogen deposition can lead to eutrophication of terrestrial habitats, causing a shift in plant competition, eventually causing a change in community composition. This has implications for sites designated for their habitat such as raised bogs.
- 7.16 Another effect of air pollution is acid deposition. This is where combined sulphur and nitrogen compound emissions react and are deposited back to the earth surface. This then increases the acidity of freshwater and terrestrial habitats (acidification), affecting water quality, life cycles, species composition of vegetation and bog processes. Additionally, ammonia (NH₃) can react with these sulphur and nitrogen compound emissions to create fine ammonium containing aerosol which can last a lot longer in the atmosphere than NH₃, consequently it can be transferred much longer distances (100->1000 km) (Air Pollution Information System (APIS) website).

- 7.17 Generally, Ceredigion has low levels of air pollution in the county. NO₂ and NO_x annual mean emissions are relatively low compared to areas in South Wales and areas of England (Centre of Ecology and Hydrology (CEH) website). This is mainly due to Ceredigion being a rural county with no large industrial processes or high concentrations of use of private transport. However, although a rural county, Ceredigion's NH₃ levels are also relatively low compared to other parts of the UK, (APIS website and CEH website, 2018).
- 7.18 Ozone, however, is a bigger problem due to the rural location of Ceredigion. Ground-level ozone is formed from sunlight acting on volatile organic compounds and increases with more sunlight. More urban areas don't usually suffer from as high levels as NO_x emissions inhibit the formation of ozone at roadside and urban locations (AEA, 2007). Ozone precursor emission levels across Europe have decreased by 23% between 2008 and 2016 (AEA website 2019)
- 7.19 Despite Ceredigion's relatively low production of air pollution, nutrient nitrogen critical loads have still been exceeded in 4 out of the 14 European Sites assessed in the HRA for one or more of their features, and a further three sites' critical loads are unknown (APIS website 2018). Acidification critical loads are often unclear but according to APIS (the air pollution information system), 9 of the 14 sites have exceeded their critical loads for acidification, with a further 2 sites unknown. Often this can be from combined effects, for example, on the Teifi, it is thought that acid deposition is working in combination with run-off from woodlands and metal mines. Additionally, nutrient nitrogen from nitrogen deposition can be working in combination of effects from livestock emissions and other NH₃ producers. Pigs and poultry are thought to be the worst offenders and therefore intensive pig and poultry farms are required to apply for an Integrated Pollution Prevention and Control (IPPC) permit under the IPPC Directive 96/61/EC.

- 7.20 Nonetheless, the negative effect on these sites' features does not correspond with the low levels of emissions produced by Ceredigion. However, it is not certain where the emissions are coming from. It is thought that certainly areas such as the West Midlands are contributing but it has also been shown that some of our pollution events can come from as far as Ukraine and Russia depending on air flow patterns (AEA, 2007). According to APIS the main cause of nutrient nitrogen is livestock emissions, with the next largest cause being imported emissions. Combustion from commercial, institutional & residential sectors and transport account for a relatively smaller proportion in most cases, however at some sites it accounts for more. Additionally, the acid deposition rates are largely due to SO₂ emissions from shipping and imported emissions. The rest mainly arises from 14 power stations across Wales and England (outside of Ceredigion) with a small proportion being attributed to combustion in commercial, Institutional & residential sectors.
- 7.21 Additionally, the review of consents process has highlighted that there are no PPC (Pollution, Prevention and Control) consents from Ceredigion or the immediate surrounding area causing the high levels of atmospheric deposition. Therefore, it was concluded that the effects are from long range sources such as power stations. Source apportionment indicates that EA regulated major point sources are contributing to 23.8% of the acid deposition at Elenydd SAC (Environment Agency, 2007a). This conclusion has been highlighted to National EA teams in England so that they consider this in their review of consents process. However, data and information is lacking. New IPPC permits will consider long range sources for major contributors to sulphur and nitrogen emissions, using detailed analysis. This knowledge will then be used in the future with the aim to revisit permits if they are shown to be having an effect.

Effect of LDP Preferred Strategy with other plans/projects

The effect of the Preferred Strategy, LU and DM Policies and other mitigation together with the in-combination effects of other plans and

projects will be assessed at the next stage. Further mitigation will be suggested as appropriate.

- 7.22 Until more information is available, the precise causes of this atmospheric deposition will remain unknown and most likely remain a contributor. With many of the sites already exceeding their critical loads, there is a sincere possibility that LDP2 will have an in-combination effect on these sites, unless it can be shown to have no net increase in emissions.
- 7.23 The worst offenders of the contributors to air pollution which the LDP can control, or have some control over, are traffic emissions, livestock emissions (particularly pigs and chickens) and commercial processes. Other sources include residential coal fires.
- 7.24 The proposals for road upgrades will reduce the effect from traffic by reducing congestion and the CHP Plant emissions are well below the permitted emissions and much lower than that of a fossil fuel plant. However, there is still a potential increase on already affected sites. The impact of other LDPs will also need to be considered.

Further recommended mitigation and likely outcome

- 7.25 The control LDP2 has over the main causes of air pollution is minimal and the strategic policies should help reduce effects. However, it is recommended that Ceredigion County Council look further into how air pollution effects that it can control can be reduced. For example, planning applications for agricultural premises currently don't need to define the type of agriculture. If this were to change then applications for poultry or pig agricultural premises could be highlighted and assessed to predict their effects. TAN 8 recommend that this type of agriculture must show some sustainable processes of getting rid of the waste and suggest that the use of anaerobic digestion would be a good mitigation technique. Intense pig and poultry farms also require an IPPC permit.

Water quality

Current status

- 7.26 Reduced water quality is a major effect that can come from increasing development, as it can come from so many sources. Reduced water quality can affect river SACs and most terrestrial habitats are sensitive to pollution.
- 7.27 The EAW West Wales RBMP has identified significant water management issues for the West Wales river basin. Of the eight significant issues, seven were related to water quality, the following five of which could be affected by the LDP and affect European Sites features;
- a. Phosphorus in rivers and standing waters
 - b. Mines and mine waters
 - c. Organic pollution (ammonia and biochemical oxygen demand)
 - d. Sediment (rivers and lakes)
 - e. Acidification
- 7.28 Phosphorous is a major plant nutrient and enters water bodies from either diffuse agricultural pollution or sewage effluent. High amounts of phosphorous are another contributor to eutrophication in freshwaters. Several catchments on the Teifi are 'probably at risk' or 'at risk' from phosphorus affecting water quality. There are possibly also small catchments of the Tywi 'at risk'. The Tywi river basin was classified as 'probably not at risk' from high levels of phosphorus in the groundwater by the Environment Agency in 2008. The NRW Management Plan for the Tywi hasn't been updated since then and there have been no impacts from Ceredigion's LDP 1 which will have worsened this situation.
- 7.29 Mines and mine waters are toxic to river ecosystems, containing several metals, affecting the food web and adding to acidification due to the low pH. Several disused mines are scattered around the county and although now disused, are still having an effect on the water quality from run-off. Liming is used in some areas to try to counteract the effects, e.g. the Teifi. Tributaries

of the Wye and Pen Llyn a'r Sarnau 'at risk', and parts of the Teifi and the Dyfi estuary are 'probably at risk'. (Environment Agency, 2008e)

- 7.30 Organic pollution, in terms of ammonia and biological oxygen demand (BOD) mainly comes from treated sewage effluent. Ammonia is toxic to fish and other aquatic life, depending on the temperature and pH of the water. BOD is a measure of the demand that biological organic matter has on oxygen. The higher the BOD, the less oxygen available which can have big impacts on the ecosystem. The Teifi was classed as 'at risk' from ammonia and BOD levels in many of its upper catchments by the Environment Agency in 2008. The Teifi is still "at risk" as indicated by the Afon Teifi SAC Management Plan (NRW 2017) targets for ammonia and BOD levels for all management sections.
- 7.31 Increases in sediment over and above the natural levels can have a big impact on river ecosystems, affecting fish survival at all stages and reducing photosynthesis through reduction in light and coating. Sediments can also carry pollutants such as phosphorus, metals and other toxic compounds. These can also be disturbed during flooding events. Main contributors to increased suspended sediment are construction on river banks, forestry and agricultural run-off and any other activity causing accelerated erosion e.g. canoe launch points. Also a contributor is treated sewage effluent and other run-off from roads etc. and water related recreation churning up the sediment. Many of the Teifi and Tywi catchments were classified as 'at risk' from suspended sediments by the Environment Agency in 2008 and this is still the likely situation.
- 7.32 Acidification is discussed in more detail under air quality. Additional contributors to acidity are woodlands/forestry and metal mines.
- 7.33 The Review of Consents (RoC) process has highlighted two continuous discharges to go through to stage 4 as they could be having a negative impact on the integrity of the Teifi SAC (Environment Agency, 2007a). This is due to one being marginally non-compliant with Phosphate standards and

the other a breach in water quality of the receiving water course on BOD and ammonia. The former could cause nutrient enrichment affecting oligotrophic to mesotrophic standing waters. The latter could be affecting brook, river and sea lamprey, Atlantic salmon and the otter, either alone or in-combination with other pollution as low oxygen levels limit migration and distribution and disrupt food webs. The environmental outcomes from this assessment were;

- a. Achieve guideline phosphorus (P) standard in the receiving watercourse through appropriate action on all sources of P
- b. To ensure water Quality Objectives (RE classification) for BOD & Ammoniacal-N are met in the receiving watercourse downstream of failing discharge (Hood & Potter, 2008)

- 7.34 A further 13 intermittent discharges were taken forward to stage 4 and will be dealt with by the AMP 4 improvement scheme (Environment Agency, 2007a).
- 7.35 The Ceredigion Shoreline Management Plan 2 (2013) identified areas where the beaches were eroding, adding to sedimentation, and where there are storm effluent emergency discharges into the sea. This could be used at an increasing rate with climate change.
- 7.36 The main potential contributors to these management issues and other water quality issues identified in the assessment were; development on river banks, in particular flood defences and development part of regeneration initiatives; abstraction; discharge of treated sewage effluent; other wastewater effluent; run-off; run-off containing pollution; development on peat bogs; and restoration or development of metal mines.
- 7.37 Other wastewater and discharge issues include fish farm effluents, wastewater from biomass plant processes and some mineral extractions. Fish farm effluent is often waste not suitable for human consumption and also fish excrement. In New Quay, it is thought that the fish farm effluent is

a food supply for the dolphins, and so having a positive effect on that feature. Other effects are much more complicated. Dependent on the size, dispersal ability and intensity of farming, among other factors, the waste can cause nutrient enrichment, change community composition and species richness, possibly affecting the wider ecosystem. In some areas marine fish farms have been shown to affect reproductive success of benthic predators due to the unnatural concentration at localised points (Inglis and Gust, 2003). More research needs to be done on the effects. Waste should be minimised. Wastewater from biomass plants can have similar nutrient enrichment effects on water bodies. Mineral extractions can release water containing suspended sediment, often containing harmful pollutants.

- 7.38 The Western Wales Flood Risk Management Plan (2015) identifies the lower Teifi and the lower Rheidol as areas at continued risk of flooding with the current flood management. Actions to maintain the current flood risk or improve it could cause sedimentation in the SAC. However, the need to not have a significant effect on the SAC and other designations has been highlighted.
- 7.39 The Metal Mine Strategy (2008), if not done sensitively, could result in the release of metals into rivers or groundwater, potentially affecting the Teifi SAC, Pen Llyn a'r Sarnau SAC, Elenydd – Mallaen SAC/SPA and Grogwnion SAC. Some of these mines have been listed as 'diverging issues' where maybe the remediation of the mines will result in a negative effect on a SSSI or SAC feature. In other cases the remediation of these mines should result in a benefit to a European Site and so there are 'converging issues'.
- 7.40 Other plans that may have an effect on water quality of sites are the emerging Place Plans although these can only propose works which accord with the current or replacement LDP. While the Replacement LDP is being produced plans which accord with LDP1 may be initiated and these could increase sedimentation in both rivers and sea from erosion and circulation of sediment and also includes developments of harbours which could affect

sedimentation during construction. This could also increase pollution from boat discharges, re-circulation of sediment containing pollution and litter. Additionally, TAN 8 encourages renewable energy and the creation of biomass plants could affect the acidity of river SACs if the forests are planted right by the rivers and micro-hydro plants could affect sedimentation during construction.

Mitigation measures

- 7.41 In terms of sewage effluent, LDP policies should prevent significant negative effects from development needing to discharge into water bodies with known issues, as highlighted in the review of consents process or other identifications. However, where there are developments proposed that wish to discharge directly into a water body (treated or not), where there are no known problems, there is potential for significant effects, particularly cumulative. These developments, including mineral workings and other non-construction developments should count as a 'plan or project' under the policies in TAN 5 and therefore will be judged on a case by case basis (Tyldesley & Associates, 2008). Other wastewater and discharges such as fish farm effluent and wastewater from biomass plant process should mainly be covered by policies in TAN 5.
- 7.42 Run-off from development and associated car parks is now covered under National policy requiring that sustainable drainages systems be incorporated into all development. However, there may still be some processes such as mineral extraction not covered by SUDs which could have an effect and also cumulative effects. Effects include flooding of sites pulling material back into the water body and long term effects from run-off and leachate. Again, these should count as 'plans or projects' and so be covered under TAN 5.
- 7.43 Erosion from construction on river banks should be mainly avoided by TAN 15 which prevents development in a C flood zone unless it meets certain criteria. Developments which by their nature need to be on river banks, in

rivers or on the coast are excluded such as flood defences, harbours or micro-hydro. Again these schemes should be covered by policies in TAN 5.

- 7.44 Other effects on water quality are the effects of disturbing sediment from recreation and increase in beach litter. In some cases developments causing an increase in this will come under TAN 5. However, there still may be impacts, particularly from cumulative effects.

Further recommended mitigation and likely outcome

- 7.45 Even so, it cannot be certain from the LDP Strategic Policies that the plan will not have a significant negative effect on one or more of the European Sites features from water quality issues. Therefore, it is recommended that Ceredigion County Council should work closely with NRW to avoid allocating development in areas with potential problems and involve mitigation measures into LDP Deposit policies. For example, development should prevent, as much as possible, sediment losses from erosion and also prevent run-off from the site during construction and processes if applicable. Those developments wishing to discharge directly into a water body (treated or not) should demonstrate how they are going to minimise the impact on water quality - for instance using anaerobic digestion. Fish farm effluent has the potential to be re-used as fertiliser for farming and wastewater from mineral extraction can be re-used depending on quality. Mineral extraction sites, if done sensitively, can be restored to wetlands providing a biodiversity benefit to sites (needs to be consideration of birds and flight paths). Mineral extraction and waste management sites need to ensure there are no issues from leachate and that measures are taken to mitigate against sudden flow. There are currently projects in Europe that combine ecological enhancement, flood alleviation and mineral extraction. Additionally, sites where there could be an increase in water related recreation will need to abide by codes of conduct and concrete access points could be provided to prevent erosion of the banks in appropriate places.

- 7.46 Under the Habitats Regulations NRW has a duty to assess the effects of existing discharge consents and any new applications to make sure they are not impacting on internationally important nature conservation sites. Therefore, policies that will require an increase in discharges should not need an AA as long as mitigation like that suggested above is considered. To confirm this policies will need to be re-assessed when, during and after this consultation period, the policies are being finalised for Deposit consultation. Other policies affecting water quality will also need to include design measures before it can be certain that they will not have a significant negative effect, although it is likely that they also will not require an AA.

Effect of LDP Preferred Strategy and other plans/projects

The effect of the Preferred Strategy, LU and DM Policies together with the in-combination effects of other plans and projects will be assessed at the next stage. Appropriate Assessment will need to be considered when the Preferred Strategy is agreed and the LU and DM policies are confirmed and on proposed Settlement Boundaries and Allocations.

- 7.47 Under the Habitats Regulations Natural Resources Wales has a duty to assess the effects of existing discharge consents and any new applications to make sure they are not impacting on internationally important nature conservation sites. Therefore, policies that will require an increase in discharges should not need an AA as long as the design ensures no impact. This will need to be re-assessed when specific policies are written to confirm this. Other policies affecting water quality will also need to include design measures like those suggested, before it can be certain that they will not have a significant negative effect, although it is likely that they also will not require an AA.

Land Claim and Loss of Landscape Structure

- 7.48 The LDP Preferred Strategy could potentially result in loss of parts of European Sites or land that is on or near the site's boundary which is relevant for the sites' or features' natural processes.

- 7.49 Development within a European site may result in a direct loss of area of habitat features for which the site is designated from the development footprint, but also any infrastructure associated with it e.g. Loss of European dry heaths at Elenydd-Mallaen to a wind farm. It may also have an effect on any species, for which the site is designated, even if the habitat isn't, that are dependent on that habitat for feeding, breeding, shelter or movement e.g. a physical barrier caused by a weir preventing the migration of migratory fish.
- 7.50 Alternatively, development that doesn't result in a direct loss of area of a feature may still have an effect from modifications affecting the ecosystem processes. For example, flood defences on the coast can serve as a barrier to natural landward migration of the shoreline habitats in response to sea level rise, resulting in coastal squeeze.
- 7.51 These effects don't only occur from development on the site. For example, development on the boundary of a raised bog will require drainage and this can affect the hydrology of the bog, increasing risk of erosion and steepening the boundary, further accelerating effects. Additionally, for Rhos Talglas and Rhos Llawr Cwrt, loss of suitable available habitat within the surrounding area of the sites able to support marsh fritillary butterflies, could result in loss of the species for which these sites are designated.
- 7.52 Another major effect is the modification of rivers, e.g. flood defences, channelisation and micro-hydro, which could result in alteration in flows and change in sedimentation regimes of the river. This could affect the sites features including fragmenting habitats for otters. Additionally, abstraction can also result in a loss of habitat for lamprey ammocoete by reducing the wetted area in freshwaters and drying out of bogs resulting in accelerated erosion. Also, there is a potential for wind farms to affect birds, particularly soaring birds (Lucas, Janss & Ferrer, 2004 and Barrios & Rodríguez, 2004)
- 7.53 Many of the European Sites habitats are already in unfavourable condition, so any loss in habitat could result in a significant negative effect.

- 7.54 The EAW Draft Pembrokeshire and Ceredigion Rivers Catchment Flood Management Plan (CFMP) (2008) identifies the lower Teifi as an area where the risk of flooding is set to significantly increase in the future, as well as an increase in flood depths, with the current flood management. Therefore, it will require further actions to maintain the current flood risk. It is not clear whether these actions include flood defences; however, the need to not have a significant effect on the SAC and other designations has been highlighted. The upper Teifi is not expected to significantly increase in flood risk.
- 7.55 Although flood risk is expected to increase significantly in the North Coastal Rivers, more than 3/4 of the population in this area are in Aberaeron and Aberystwyth. Therefore it would seem the option chosen is to not provide new or heightened flood defences.
- 7.56 According to the NRW Western Wales Flood Risk Management Plan (2015), "Flood risk varies throughout the Meirionnydd catchment with Borth and coastal lowlands at most risk." The Borth risk of flooding is due to the overtopping of the Afon Leri banks in a severe flood. Actions to improvement of the current flood defences have potential to affect Cors Fochno in particular. However, one of the plan's objectives is to protect and enhance internationally protected sites and to develop a strategy to see how both Borth and Cors Fochno can be protected.
- 7.57 A combination of LDP Policies and policies in TAN 5 and TAN 15 will help to minimise these impacts, depending on the type of habitat, will all help to reduce the effects. However, there may still be cumulative effects and in-combination effects, particularly from other LA LDP/UDPs.
- 7.58 It is therefore recommended that Ceredigion County Council work closely with NRW to ensure that allocations will not result in the loss of habitat that will affect the European Sites' features. For instance, identification of suitable and available habitat within 5 km of Rhos Talglas and Rhos Llwr Cwrt could be identified and avoided (Devon Wildlife Trust, 2005 and Rhos

Talglas Core Management Plan, ongoing). These could form part of the SINC designations. Land that is the right type of habitat but would need enhancement to be 'suitable' habitat to support metapopulations could also be identified and conditions of development could be the management of that land to 'suitable' status. Also, a buffer zone could be identified that protects bogs and other habitats sensitive to hydrological changes.

- 7.59 Policies need to include restrictions of development to mitigate against affects for key habitats, e.g. wetlands, watercourses. There may be opportunities for restoring or enhancing riverside habitats on the Teifi where appropriate proposed development is on a river bank, for example in regeneration areas, and the potential negative effects, other than river bank loss can be avoided or reduced. These may be particular areas where they are looking to restore or enhance, however, further work will need to be done to assess this as a possibility and identify potential candidates.
- 7.60 It is likely that with the above mitigation measures included, the specific policies in the LDP Deposit plan will not cause a significant negative effect on sites, particularly as many of the sites do not have any settlements on their boundaries. However, the policies will need to be reassessed once they are written in order for this to be confirmed.

Effect of LDP Preferred Strategy, Mitigation and other plans/projects

The effect of the Preferred Strategy, LU and DM Policies together with the in-combination effects of other plans and projects will be assessed at the next stage.

Recreation

Current status

- 7.61 Land based and water related recreation has the potential to disturb or harm several of the features for which European Sites are designated. This is from noise, erosion, pollution, sedimentation, trampling and presence (including scent marking by dogs).

- 7.62 Currently, it is thought that 71% of the total river length in Wales is used for water related recreation, although only 4% of the length has navigational rights and 2% is covered by pilot canoe access agreements. The majority of the Teifi's length has game fishing rights, but only a small length has navigation (Teifi estuary) and canoeing access rights (Llandysul and Teifi Estuary). Additionally, 59% of enclosed waters are currently being utilised for water related recreation, however, there are currently no inland areas for sailing and windsurfing in Ceredigion. The coast and estuaries are used for a wide range of activities (20+ on the coast, 15+ in the estuaries) including swimming, sailing, angling, surfing, cruising and use of personal watercrafts. Around 97-98% of coastal waters, estuaries and canals in Wales are used by at least one water related recreational activity. (University of Brighton, 2008)
- 7.63 The Cambrian Mountains Recreational Vehicle Pilot Project has highlighted the problem of legal and illegal off-roading in the Cambrian Mountains and the need to manage a network that balances both the requirement for routes for this activity and the impact on the Cambrian Mountains, including natural heritage, archaeological heritage, remoteness and surface suitability. It was estimated that 38% of motor vehicle traffic was recreational. A length of 609 Km was surveyed which is thought to be the current network, including tracks over several European Sites. The potential managed network proposed is around 173 km, however it is thought it will turn out to be much smaller. This still includes areas over the European Sites.
- 7.64 There are over 2500km of Rights of Way in Ceredigion and some areas of 'open access' (over 25,000 hectares) which include areas on or beside most of the European Sites in Ceredigion. In Wales, approximately 51% of people walk for pleasure, with around 33% of countryside visits being for walking, hill-walking and rambling (Ceredigion County Council 2018).
- 7.65 Outdoor recreation and particularly tourism are essential to Ceredigion life and people should be encouraged wherever possible to get out into the

countryside and enjoy our environment. However, there are cases when recreation and tourism can be damaging to the integrity of European Sites and so a balance needs to be achieved. An increase in housing and economy is likely to increase the amount of recreation and tourism and possibly create new places for it. A few recreational activities were identified in the assessments as potentially having a negative effect.

- 7.66 Disturbance can occur to otters from walking dogs on the river banks which, although often can just be a short term disturbance, otters can often be put off by dogs scent marking. In particular this can have an effect in the otter breeding session. This is likely to have a particular effect on the Teifi SAC where there are 4 USCs (potentially 5 including Newcastle Emlyn) along the river plus other settlements.
- 7.67 Disturbance from vehicles is also a likely affect to the Elenydd-Mallean SPA as it can cause ground-nesting birds to leave their nest, either leaving the chicks to starve or giving a predator an opportunity to attack them.
- 7.68 Water related recreation, including canoeing, motor boats, scuba diving and snorkelling can have a disturbing effect to several different features including bottlenose dolphins, porpoise, Salmon and other fish and the Greenland white-fronted goose from presence and noise. Water related recreation can also cause issues of churning up sediment which can coat macrophytes and fish eggs, blocking photosynthesis and causing suffocation. It can also churn up pollutants that have been lying dormant in the river bed. This will have particular effect in the River Teifi, Cardigan Bay and Pen Llyn a'r Sarnau, although the LDP may increase this on the River Wye and Afon Twyi as well.
- 7.69 Trampling can occur of saplings, fish eggs and bryophytes from canoeing, swimming and other water related recreation, walking and motorised vehicles.

- 7.70 Erosion can occur on certain sites due to track construction, off-roading, walking, entry and exit points of water related recreation and from the wake created by motorised boats. Sites in the Cambrian Mountains are particularly affected by illegal off-roading, including motor biking. Other sites including Rhos Llawr Cwrt, Rhos Talglas and the Afon Teifi are also affected. An increase in housing and economy could increase the effect of erosion from either the creation of new tracks or the increased pressure on the current tracks.
- 7.71 An increase in track construction and track use can also increase disturbance of certain site's soil. On a small scale, this is not essential for population dynamics; however, a significant amount of disturbance will affect the ability for saplings to grow in old sessile oak woods, for example.
- 7.72 Plans or projects which may increase recreation are the developing Place Plans and others such as the, Rights of Way Improvement Plan (2018) The draft proposals for the Aberaeron Sea Defences could impact on the new West Wales Marine SAC if it includes harbour gates and a marina.
- 7.73 Policies in TAN 5 and the newly revised TAN 16 and LDP Policies should prevent a significant adverse effect from proposals for new tracks, pathways and access and also any developments that will pose a significant increase in visitors.
- 7.74 However, it may not take into account the cumulative effects from an overall increase in population near the sites. Therefore, mitigation measures will need to be built into included within the policies. For example, developments affecting a stretch of Teifi that is important for otters will need to supply extra measures to ensure that there is not a significant effect from dog walkers. This could include fencing off of a sufficient area to avoid disturbance or the provision of artificial holts in safe havens. Additionally, development that could cause an increase in water related recreation will need to promote codes of conduct, as often it is not the increase in numbers but an increase in unregulated activity which will have the biggest

affect. Development directly related could enforce a ticketing system to limit numbers and could be restricted to times outside of breeding periods. This could also be extended to other forms of recreation such as off-roading competitions. Additionally, concrete access points could be provided for canoeists to prevent erosion of the banks in appropriate places and contributions could be made towards the upkeep of pathways and tracks to try to prevent people going off tracks due to them being impassable.

- 7.75 Even with this mitigation, it may be found that at some sites it cannot be certain that the LDP will not have a significant negative effect from cumulative effects, resulting in the need for an AA. Once the specific policies of the LDP Deposit are assessed then this will be clearer.

Other considerations

- 7.76 Due to such a short length of the total river length in Ceredigion having access agreements for canoeists, there is more pressure on the sites where there are agreements in the Afon Teifi. Additionally, canoeing is probably happening outside these agreed areas and so is not being appropriately managed. More needs to be done to find areas where an agreement can be reached in order to disperse this pressure, however this is out of the LDPs remit and must be considered by the Welsh Assembly Government and NRW, as well as land owners. Furthermore, canoeists are tending to go overseas in order to canoe/kayak through rivers, and so increasing the chances are transferring *Gyrodactylus salaricus*, a disease affecting fish, particularly Salmon (Welsh Government, n.d). Free access could also result in this being harder to control and could also cause the transfer of the crayfish plague (affecting the River Wye SAC), so there must be management plans in place for this to work.

Further issues and recommendations

- 7.77 There are few issues described above that should be resolved by policies in TAN 5. However, the potential projects listed exclusively in the Habitat Regulations may not be as comprehensive as originally intended by the EC Habitats Directive (Tyldesley & Associates, 2008). Additionally, there may

be some developments where it is considered that there is no need for a Habitats Regulations Assessment, but air pollution was possibly not considered. Although this shouldn't happen, it is recommended that Ceredigion County Council look at the possibility of either within an SPG or in a policy highlighting the major threats to the European Sites in Ceredigion and what to be aware of when planning a project. This could be a way to increase awareness of developments which might have effects, even at some distance away. However, this option needs to be looked at further.

- 7.78 The LDPs of the surrounding LAs, as well as other plans or projects, have the potential to work in-combination with the effects of Ceredigion's LDP2 to make them significant. Within this screening report, in-combination effects were considered from the revised Eryri Local Development Plan 2016-2031 (2019), Carmarthenshire Local Development Plan 2006 – 2021 (2014) and Powys Local Development Plan 2011-2026 (2018). However, there is still potential for in-combination effects with the revised LDPs of Pembrokeshire Coast National Park Deposit Revised Local Development Plan 2015 – 2031 (2018 awaiting examination) and Pembrokeshire Local Development Plan Review (2017). Once available adopted, these will need to be assessed for the likelihood of in-combination effects.
- 7.79 Another issue is the lack of information in some areas. It has not been confirmed what the cause of the critical loads been exceeded for nutrient nitrogen and acidification, whether it is partly due to processes outside of the county, some quite a distance away. Additionally, due to the current equipment in DC/WW's WWT and STW plants, they are unable to monitor the capacity left in a plant, they are only aware of when the plant has reached capacity. Although the effects of land based and water related recreation are known, it cannot be certain what effect the increase in population will have, so this may need to be looked at further.

Effect of LDP Preferred Strategy, Mitigation and other plans/projects

- 7.80 The effect of the Preferred Strategy, LU and DM Policies together with the in-combination effects of other plans and projects will be assessed at the next stage. Further mitigation will be suggested as appropriate.

8. Conclusions

- 8.1 This HRA screening process has highlighted the potential for the Ceredigion LDP to have a significant negative effect on one or more European Sites, either alone or in-combination with other plans or projects. In order to ensure that the Ceredigion LDP does not have a significant negative effect, mitigation measures have been recommended to be built into policies and reassessed at the deposit stage. This list is not exhaustive and can be added to as policies evolve and from discussions with key relevant bodies.
- 8.2 In particular, policies need to mitigate against the effect of development on water availability, air quality, water quality, land take and loss of landscape structure, recreation and climate change. Currently the LDP Strategic Policies take positive steps to reduce the impact of development on these issues. The finalised DM and LU policies for the Deposit Plan will be needed before it can be determined whether it will require AA, however, it is likely that most of the issues can be resolved during the consultation period to inform the final wording of the policies.
- 8.3 One particular issue that may not be so easily resolved is the effect of the plan on the acidification and eutrophication of vulnerable sites, mainly through an increase in air pollution. This is because, as discussed above, many European Sites' designated features have exceeded their critical loads for acidification and nutrient nitrogen. More information is needed as to the source of this pollution and further discussions will be needed with NRW and other relevant authorities as to the way forward on this issue. Recommendations have been made in this report for incorporation of mitigation measures into air quality policies to minimise our effects as much

as possible. However, this is not an extensive list and will be looked at further as the Plan progresses beyond consultation on Preferred Strategy through to the deposit stage.

- 8.4 Additionally, the cumulative effect of increased recreation on some of these sites may need to be looked at further, if it cannot be certain that the LDP Deposit will not have a significant negative effect on them.
- 8.5 The opportunity to embrace the Environment (Wales) Act 2016 and the Section 6 focus on enhancing the environment has been a priority in the review of the plans and its policies and contributes to reducing the potential impacts on European Sites.
- 8.6 The need to address direct and indirect causes of climate change and to contribute to and facilitate reducing impacts on European Sites (as elsewhere) should be a primary consideration in the continuing process of development of LDP policies.

References

AEA (2007) Air Pollution in Wales: 2007. A Report of the Welsh Air Quality Forum

Air Pollution Information System (APIS) website www.apis.ac.uk/home.html

Anon (1971) Convention on Wetlands of International Importance Ramsar, Iran Convention

Anon (2003) Dyfi Valley Tourism Growth Area Action Plan 2002 –2004/8

Barrios, L & Rodriguez, A. (2004) Behavioural and Environment Correlated of Soaring-Bird Mortality at On-Shore Wind Turbines. Journal of Applied Ecology. V41.pp72-81

Cardigan Bay Coastal Group (2004) Cardigan Bay Shoreline Management Plan

Carmarthenshire County Council (2014) Carmarthenshire Local Development Plan 2006 – 2021

Centre for Ecology and Hydrology (CEH) Website

<http://critloads.ceh.ac.uk/maps.htm>

Ceredigion County Council (2002) Teifi Estuary Management Plan

Ceredigion County Council (2002) Waste Management Strategy for Ceredigion

Ceredigion County Council (2013) Ceredigion 2020 (C2020) – Ceredigion Community Strategy

Ceredigion County Council (2008a) Coastal Access Programme: Dyfi Valley - Coast Path Development Proposals.

Ceredigion County Council (2018) Rights of Way Improvement Plan: 2018 - 2028

Ceredigion County Council (n.d.) Ceredigion Climate Change Strategy and Borth Coastal Defence

Ceredigion County Council (2013) Ceredigion Destination Management Plan 2012/2020.

Ceredigion County Council (2014) Ceredigion Local Flood Risk Management Strategy

Ceredigion County Council, Powys County Council (2015) Mid Wales Joint Local Transport Plan 2015 – 2020

Ceredigion County Council, Gwynedd County Council & Powys County Council (2015) TraCC the Mid Wales Joint Local Transport Plan 2015

Ceredigion County Council (2017) Ceredigion Corporate Plan 2017 – 2022

Ceredigion Public Service Board (2018) Ceredigion Local Wellbeing Plan 2018 – 2023

Ceredigion County Council, Powys County Council (2018) Mid Wales Regional Regeneration Plan 2018 – 2033

Ceredigion County Council, the Countryside Council for Wales, Environment Agency Wales, North Western and North Wales Sea Fisheries Committee, Pembrokeshire Coast National Park Authority, Pembrokeshire County Council, South Wales Sea Fisheries Committee and Dwr Cymru Welsh Water, with support from the EC LIFE-Nature Programme (2008) Cardigan Bay Special Area of Conservation (SAC) Management Scheme.

Conservation (Natural Habitats &c.) Regulations (1994)

Department for Communities and Local Government (2006) Planning for the Protection of European Sites: Appropriate Assessment.

Dodd A.M., Cleary B.E., Dawkins J.S., Byron H.J., Palframan L.J. and Williams G.M. (2007) The Appropriate Assessment of Spatial Plans in England: A Guide To Why, When And How To Do It. Royal Society for the Protection of Birds (RSPB)

Devon Wildlife Trust (2005) Devon Biodiversity Action Plan for the Marsh Fritillary

Dwr Cymru Welsh Water (2019 Final Water Resources Management Plan

EC Directive (96/61/EC) concerning integrated pollution prevention and control (IPPC Directive)

EEC Directive (1979/409/EEC) on the Conservation of Wild Birds (Birds Directive)

EEC Directive (1992/43/EEC) Conservation of Natural Habitats and Wild Flora and Fauna (Habitats Directive)

Environment Agency (2001) Water Resources For The Future: A Water Resource Strategy For England And Wales: A Summary Of The Strategy In Wales

Environment Agency (2004) Teifi Catchment Abstraction Management Strategy.

Environment Agency (2008a) Metal Mine Strategy for Wales

European Court of Justice (2018) Case C-323/17 Request for a preliminary ruling, People Over Wind and Peter Sweetman v Coillte Teoranta, 12th April 2018

European Directive (2000/60/E) Water Framework Directive (WFD)

European Directive (2001/42/EC) SEA Directive

European Directive (92/43/EEC) on the Conservation of Natural Habitats and Wild Flora and Fauna (the Habitats Directive)

exeGesIS SDM Ltd (2008) Cambrian Mountain Recreation Vehicle Pilot Project: Report

Her Majesty's Government (2004) Planning and Compulsory Purchase Act (2004)

Hood, A & Potter, L (2008) Afon Teifi Special Area of Conservation: Habitats Directive Review of Consents- Stage 4- Site Action Plan. *Environment Agency*

Hyder Consulting (2007) Cardigan Bay Action Plan: Final Report. *Welsh Assembly Government: Report NE02602/RT 1-02*

Inglis, G and Gust, N (2003) Potential Indirect Effects Of Shellfish Culture On The Reproductive Success Of Benthic Predators. *Journal of Applied Ecology. Vol 40. pp1077-1089*

Institute of Rural Studies University of Wales, Aberystwyth (2002) Ceredigion Tourism Growth Area (TGA) Implementation Plan. *Ceredigion County Council, Mid Wales Partnership and Wales Tourist Board.*

Jacobs, J.E. (2007) Central Wales Settlement Study: Phase 2 Report *National Assembly for Wales.*

Joint Nature Conservation Committee (JNCC) website www.jncc.gov.uk

Lucas, M.D, Janss, G.F.E. and Ferrer, M. (2004) The Effects Of A Wind Farm On Birds In A Migration Point: The Strait Of Gibraltar. *Biodiversity and Conservation V13. pp395-407*

Natural Resources Wales (n.d.) LANDMAP www.cyfoethnaturiolcymru.gov.uk

Natural Resources Wales (ongoing) Core Management Plans for SACs/SPAs:

Afon Teifi / River Teifi

Cardigan Bay/ Bae Ceredigion

Coed Cwm Einion
Coedydd a Cheunant Rheidol/ Rheidol Woods & Gorge
Cors Caron
Cors Fochno and Dyfi Estuary / Aber Dyfi
Cwm Doethie - Mynydd Mallaen
Elenydd – Mallaen
Grogwynion
Pen Llyn a'r Sarnau/ Llyn Penisular and the Sarnau
Rhos Llawr Cwrt
Rhos Talglas
Afon Tywi / River Towy
River Wye / Afon Gwy
West Wales Marine / Gorllewin Cymru Forol

Natural Resources Wales (2015) Western Wales River Basin Management Plan 2015-2021

Pembrokeshire Coast National Park Authority (2008) Local Development Plan (end date 2021). Preferred Strategy (Pre-Deposit Local Development Plan Documents)

Powys County Council (2018) Local Development Plan 2011- 2026.

Reynolds, D (n.d) Identifying Opportunities and Requirements for Enhanced Inland Tourism in Central Wales. *Tourism Partnership Mid Wales*

Snowdonia National Park Authority (2019) Eryri Local Development Plan 2016-2031

Carmarthenshire Local Development Plan 2006 – 2021 (2014) and Powys Local Development Plan 2011-2026 (2018). However, there is still potential for in-combination effects with the revised LDPs of Pembrokeshire Coast National Park Deposit Revised Local Development Plan 2015 – 2031 (2018 awaiting examination) and Pembrokeshire Local Development Plan Review (2017).

The Conservation (Natural Habitats, & c.) (Amended) (England and Wales) Regulations (2007)

Tyldesley, D & Associates (2008) Assessing Projects under the Habitats Directive. Guidance for Competent Authorities. *Countryside Council for Wales*

Tyldesley, D and Associates, and Welsh Assembly Government (2006) Draft Guidance. The Assessment of Development Plans in Wales under the Provisions of the Habitats Regulations. Draft Annex to Technical Advice Note 5: Nature Conservation and Planning.

University of Brighton (2008) A Strategic Plan for Water Related Recreation in Wales

Welsh Assembly Government (2006) LDP Wales: Planning Your Community: A Guide to Local Development Plans (LDPs)

Welsh Assembly Government (2004) Planning Policy Wales: Technical Advice Note 15: Development and Flood Risk

Welsh Assembly Government (2005a) Energy Wales: Route Map To A Clean, Low-Carbon And More Competitive Energy Future For Wales: Consultation Document.

Welsh Assembly Government (2005b) Planning Policy Wales: Technical Advice Note 8: Planning for Renewable Energy

Welsh Assembly Government (2007a) Micro-Generation Action Plan For Wales

Welsh Assembly Government (n.d.) Contingency Plan For Combating *Gyrodactylus Salaria* in Wales

Welsh Government (2008) Welsh Coastal Tourism Strategy

Welsh Government (2013) Partnership for Growth: strategy for tourism 2013-2020

National Assembly for Wales (2013) Active Travel (Wales) Act 2013

Welsh Government (2015) Wales Nature Recovery Plan

Welsh Government (2016) Active Travel Action Plan for Wales

Welsh Government (2017) Mobile Action Plan

Various (2012) West of Wales Shore Line Management Plan (SMP) 2