

Environmental Screening: Low Risk File Note

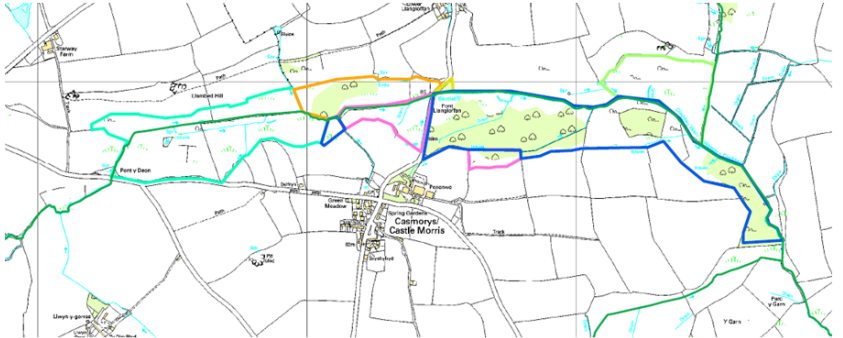
Project name	Llangloffan Fen LWM
Project manager	Duncan Dumbreck
Prepared by	Leila Thornton
Date Screened	05/07/23

Introduction

This project has been screened for environmental risk following Operational Guidance Note 86 and is considered to be “**Low Environmental Risk**” and does not require a statutory Environmental Impact Assessment. Whilst the project has been screened “Low Environmental Risk”, there may still be environmental risks and consents that need to be considered by the Project Manager as detailed in this note. How these recommendations have been followed up should be made clear in any business case submissions.

Please consult the Environmental Assessment Team again should you have any queries regarding the information provided, or if the nature of the project changes as we may need to review our advice. Our email address is:
environmental.assessment.team@cyfoethnaturiolcymru.gov.uk

Description of Project / Scheme	<p>Llangloffan Fen is a lowland wetland in the upper part of the part of the River Cleddau SAC. The Fen is an important example of a classic river valley mire, developed in a wide flood plain that once drained westwards towards the Abermawr coast. Glacial deposits blocked the old river and diverted it eastwards. It forms part of the largest flood plain valley mire still surviving in Pembrokeshire.</p> <p>The eastern portion of the reserve (east of Pont Llangloffan Bridge) is owned and managed by Natural Resources Wales; the western section (running eastwards from the Pont-y-Deon Bridge) is owned and managed by the Wildlife Trust of South and West Wales. The central part of the site is under a management agreement with a local landowner.</p>
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	 <p> Land owned and managed by NRW Land owned and managed by Wildlife Trust </p> <p>The river through the fen has been extensively straightened and dredged, so now lacks sinuosity and morphological diversity. The modifications to the watercourse are also believed to impact on the hydrology of the fen</p> <p>The 4 Rivers for LIFE project is proposing a phased scheme to restore the river through the fen.</p> <p>Phase 1 will focus on the western (WT managed) part of the site and will involve the placement of large woody material in the river channel to raise bed levels and reconnect the river to the adjacent floodplain. The work will involve felling some small trees on site and a machine tracking to place these in channel. The works are proposed for summer 2023.</p> <p>Phase 2 will involve remeandering of the historically straightened channel at the western end of the site and reconnection of old cut off meanders at the eastern end of the site. This work will be informed by a hydro-ecological study of the fen to better understand the likely effect of different restoration scenarios on the fen hydrology. Works are proposed during summer 24 and summer 25.</p> <p>This screening note relates only to Phase 1 of the proposed works. Plans are detailed further in a site management plan and method statement for the works. Links are provided below:</p> <p> Llangloffan Fen Phase 1 Project Proposal Llangloffan Phase 1 Method Statement Llangloffan Fen Phase 1 SMP Llangloffan Fen Phase 1 Preliminary Ecological Appraisal </p>
Location (Grid Ref)	SM 89653 31836

Environmental constraint / opportunity	Identified Receptor	Consent / assessments, which are <u>likely</u> to be required: (Delete as appropriate)	Project Manager to consult further with:
International and National Sites Network Designations (SAC, SPA, Ramsar)	Both the river and the fen form part of the Afonydd Cleddau SAC	Habitats Regulations Assessment (HRA) will be required	Local Conservation Officer – Mair Rees Wildlife Trust manager – Nathan Walton
Site of Special Scientific Interest (SSSI)	The site is a SSSI (Corsydd Llangloffan)	CRoW (SSSI) Assent required – covered through FRAP process	Local Conservation Officer – Mair Rees Wildlife Trust manager – Nathan Walton
Waterbody	GB11006103 8670 W Cleddau - headwaters to conf with Cleddau North Moderate ecological status – driving element inverts	FRAP will be required for work – confirm whether both permanent and tem required ? WFD Assessment required Low risk impoundment checklist	FRAP – Daniel Jones WFD Assessment – David O'Brien Low risk impoundment – Liz James
Fisheries	Proposed scheme is on the upper Western Cleddau	Design of LWM should ensure no detriment to fish passage. Works to be undertaken outside of fisheries embargo period (15 th Oct to 15 th Apr)	Fisheries Officer – Stuart Rees
Contaminated Land	Look at historic maps and historic landfill dataset (MyMap).	Cnwc Haidd – historic landfill approx. 1km to the north but does not appear to be	No ground penetration/disturbance planned during this phase of works.

		hydrologically connected	Geoscience – Joanne Fitton
Public Right of Way	<p>There is a public right of way running along the northern boundary of the site – not affected by works.</p> <p>There is permissive access through the WT reserve via boardwalk and informal paths.</p>	Liaise with WT to manage closure of permissive paths during works	Wildlife Trust site manager – Nathan Walton
Protected Species / Invasive Species	<p>Site is a nature reserve and SSSI. Multiple records – see map.</p> <p>These include: otter, watervole, badger, various bird, invertebrate, amphibian and reptile records, and pillwort and willow blister which are notable s7 records</p>	<p>Ecological Site Walkover, PEA and constraints mapping</p> <p>Detailed species surveys – otter and watervole</p> <p>Protected Species License</p>	<p>Leila Thornton – liaising with WT site manager</p> <p>Contract – WT or Geoff Liles</p> <p>Species surveys will determine if required</p>
Historic Environment	There are no historic environment records in the immediate vicinity of the proposed	Works to be designed to avoid impacts to HERs – including planning of any access routes.	<p>Consult with Dyfed Archaeological Trust –</p> <p>a.pyper@dyfedarchaeology.org.uk</p>

	works, but there are several close by (see map). These include Castle Morris, a post medieval quarry and Llangloffan chapel.		
Landscape	None	Conservation Area Consent / Tree Preservation Order / Hedgerow Regulations / AONB / National Park	
NNR, LNR, Local Wildlife Site, Ancient Woodland, other designations.	The site is part of Llangloffan NNR	Liaise with NNR Manager to confirm agreement of proposed works	Paul Culyer
Is planning consent likely under the Town and Country Planning Regulations?	No		
Does the project fall under NRW Permitted Development Rights as per the Town and Country Planning (General Permitted development) Order?	No		
Enhancements / Multiple Benefits	Consider: <ul style="list-style-type: none"> <i>Are there any opportunities for planting trees or shrubs? WT has already undertaken extensive tree planting within the wider site. Planting within the fen is not appropriate.</i> <i>Are there any opportunities for using green engineering or green infrastructure? N/A</i> 		

	<ul style="list-style-type: none"> • <i>Where associated with National Site Network (NSN) sites, can the project help deliver any actions required under the Prioritised Improvement Plans? Yes – proposed works will deliver for SAC and SSSI objectives</i> • <i>Can the project build in measures to slow the flow of water, consequently having flood risk and water quality benefits? This is part of the proposal</i> • <i>Where associated with water courses can the project help deliver WFD regulations benefits, for example bank naturalisation, treatment of Invasive Non Native Species, hydromorphological improvements? This is included in the proposal</i> • <i>If the project is in a heavily modified water body (HMWB), are there any opportunities to deliver any required mitigation measures (MM)? N/A</i> • <i>Are there any opportunities to promote simple changes to land management to provide new or enhanced wildlife habitat, including food, shelter and nest sites for pollinators? Will look to deliver any recommendations from species surveys – for eg habitat enhancements for otter or watervole</i> • <i>Are there any opportunities for habitat improvement or creation, paying particular attention to resilience (connectivity, diversity, condition) of habitats within or linked to the study area? Works will improve ecosystem resilience</i> • <i>Are there any opportunities to reduce greenhouse gas emissions associated with the project (including procurement), e.g. substituting materials, reducing transport? N/A</i> • <i>Are there any opportunities to protect or enhance habitats of importance for carbon storage? Works will benefit the fen</i> • <i>Are there any opportunities for to improve protected species populations? Yes – will look to incorporate any recommendations for habitat improvements for otter and watervole</i> • <i>Are there any opportunities to improve fish habitat or passage? N/A</i> • <i>Can recreational or access opportunities be delivered through your project, including active travel opportunities to connect communities and</i>
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	<p><i>amenities? Working with WT who facilitate public access to the nature reserve</i></p> <ul style="list-style-type: none"> • <i>Are there any opportunities for community engagement or education? Yes through WT</i> • <i>Collaborative opportunities with others to deliver wider well-being benefits – e.g. green gym; social enterprise? N/A</i> • <i>For coastal structures, is there any opportunity to integrate marine ecostructures into the design? N/A</i>
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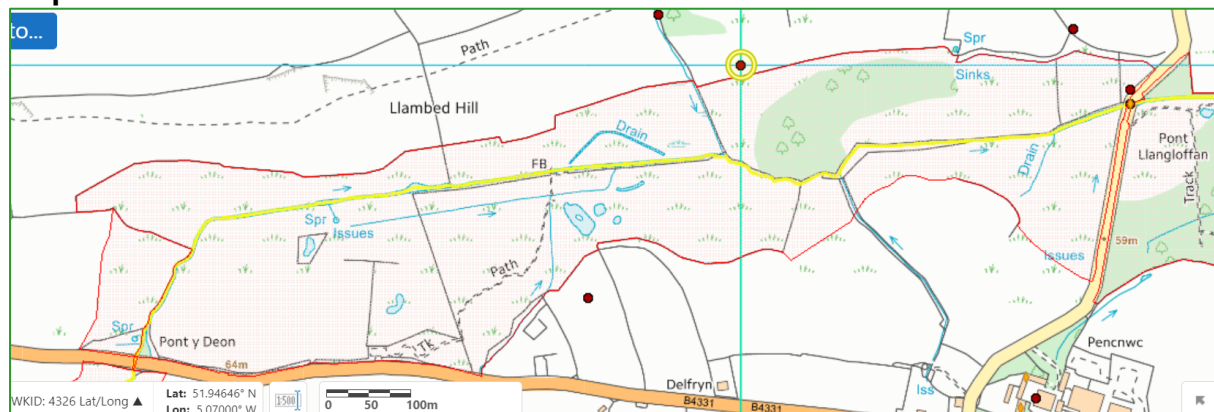
Environmental Good Practice Guidance

The project manager should ensure that the contractor is aware of and complies with the following good practice (i.e. it is beneficial to include these specification within Works Information):

- Environment Good Practice on Site, 3rd Edition, 2010 (CIRIA).
- Construction Industry Publication (CIP) Construction Environmental Manual.
- Bio-security Guidance (Forestry Commission)
<https://naturalresources.wales/media/2637/biosecurity-guidance.pdf> &
<https://naturalresources.wales/forestry/tree-health-and-biosecurity/biosecurity/?lang=en>.
- Natural Resources Wales's Environmental Policy Statement
www.cyfoethnaturiolcymru.gov.uk/about-us/managing-our-environmental-impact/?lang=en
- Guidance for Pollution Prevention (Wales, Scotland and Northern Ireland).
<http://www.netregs.org.uk/environmental-topics/pollution-prevention-guidelines-ppgs-and-replacement-series/guidance-for-pollution-prevention-gpps-full-list/>

For an extensive and broader list of UK environmental guidance that is currently available see <https://www.gov.uk/topic/environmental-management>

Map 1: Historic Environment Records



Map 2: Protected Species Records

