

**APPROPRIATE ASSESSMENT OF A PROPOSAL LIKELY TO HAVE A SIGNIFICANT EFFECT
ON A EUROPEAN SITE**

CONSERVATION (NATURAL HABITATS & C.) REGULATIONS, 2010



PART A: The Proposal

1. Type of permission: Full	2. Consents and ROMP references: Case No: P/2020/0792	3. National Grid reference:
4. Map of Application site with Permission reference(s) Map Attached Yes/<u>No</u>	4. Brief description of consents and options Change Of Use Of Stable To Mixed A1 And A3 (Cafe, Shop, Bar) at Bowling Bank Farm, Mulsford Lane, LL13 0AW. Includes toilet facilities proposed for connection with Welsh Water Treatment works at Worthenbury which does not presently have a target for phosphates.	
6. European site name(s):	RIVER DEE AND BALA LAKE	

7. List of interest features:

H3260. Water courses of plain to montane levels with the *Ranunculion fluitantis* and *Callitriche-Batrachion* vegetation; Rivers with floating vegetation often dominated by water-crowfoot

S1095. *Petromyzon marinus*; Sea lamprey

S1096. *Lampetra planeri*; Brook lamprey

S1099. *Lampetra fluviatilis*; River lamprey

S1106. *Salmo salar*; Atlantic salmon

S1163. *Cottus gobio*; Bullhead

S1355. *Lutra lutra*; Otter

S1831. *Luronium natans*; Floating water-plantain

APPROPRIATE ASSESSMENT OF A PROPOSAL LIKELY TO HAVE A SIGNIFICANT EFFECT ON A EUROPEAN SITE

CONSERVATION (NATURAL HABITATS & C.) (Continued)

PART B: Identification of effects being considered and relevant features affected			
Significant effect being considered (attribute affected)	Affected qualifying feature(s)	Favourable condition target(s) for relevant feature(s) based on conservation objectives set for SPA/ Ramsar	Contribution of attribute(s) to site integrity (ecological structure and functioning of site)

1. Water quality, increase in Phosphates.	Water courses of plain to montane levels with the Ranunculus fluitans and Callitriche-Batrachium vegetation Sea lamprey Brook lamprey River lamprey Atlantic salmon Bullhead Otter Floating water-plantain	<i>Taken from Core Management Plan Including conservation objectives for River Dee and Bala Lake 2008</i> Water quality Lower limit – Chemical GQA class: A Biological GQA class: A Phosphates Targets taken from; Compliance Assessment of Welsh River SACs against Phosphorus Targets Report No: 489 Author Name: Tristan Hatton-Ellis and Tim Jones <table><tr><td>GB111067052060</td><td>Dee - Ceiriog to Alwen</td><td>10(µg/l-1)</td></tr><tr><td>GB111067051610</td><td>Ceiriog - upstream of Teirw</td><td>28</td></tr><tr><td>GB111067051910</td><td>Ceiriog - confluence Dee to Teirw</td><td>28</td></tr><tr><td>GB111067057080</td><td>Dee - Chester Weir to Ceiriog</td><td>50</td></tr></table>	GB111067052060	Dee - Ceiriog to Alwen	10(µg/l-1)	GB111067051610	Ceiriog - upstream of Teirw	28	GB111067051910	Ceiriog - confluence Dee to Teirw	28	GB111067057080	Dee - Chester Weir to Ceiriog	50	Water quality is essential to maintain populations of all the SAC features of interest.
GB111067052060	Dee - Ceiriog to Alwen	10(µg/l-1)													
GB111067051610	Ceiriog - upstream of Teirw	28													
GB111067051910	Ceiriog - confluence Dee to Teirw	28													
GB111067057080	Dee - Chester Weir to Ceiriog	50													

APPROPRIATE ASSESSMENT OF A PROPOSAL LIKELY TO HAVE A SIGNIFICANT EFFECT ON A EUROPEAN SITE

CONSERVATION (NATURAL HABITATS & C.) (Continued)

PART C: Assessment				
Significant effect being considered (attribute affected)	Adverse Effect of proposal alone on attribute and/or feature and in relation to conservation objective for the feature.	Adverse Effect of proposal in combination with other plans or projects, on attribute and /or feature	Adverse effect on the integrity of the site? : Long term/ short term Yes/ Uncertain No	What mitigation could prevent an adverse effect on the integrity of the site?
1. Increase in phosphate levels in the River Dee SAC	Elevated nutrient concentrations increase the risk of adverse ecological impacts such as algal blooms, loss of nutrient-sensitive species and deoxygenation of river substrates. Impacts all areas of riverine ecology and features of interest over the long-term.	No in combination projects identified	Long term	No acceptable mitigation has been proposed at this time. The applicant has proposed connection to the existing WWTW at Worthenbury and Welsh Water have confirmed no plans exist to upgrade the facility to enable the effective treatment of phosphates. It cannot therefore be concluded that the integrity of the site will not be harmed.

APPROPRIATE ASSESSMENT OF A PROPOSAL LIKELY TO HAVE A SIGNIFICANT EFFECT ON A EUROPEAN SITE

CONSERVATION (NATURAL HABITATS & C.) (Continued)

PART D: Wrexham County Borough Council's Conclusion

CAN IT BE ASCERTAINED THAT THE PLAN OR PROJECT WILL NOT ADVERSELY AFFECT THE INTEGRITY OF THE EUROPEAN SITE(S)?

Direct Effect

The lack of treatment facilities at the Worthenbury WWTW means that a direct impact on the integrity of the SAC cannot be excluded.

Indirect Effect

None identified

In Combination Effects

No in combination projects have been identified

Conclusion

The lack of treatment facilities at the Worthenbury WTW means that a direct impact on the integrity of the SAC cannot be excluded

Name of Assessing Officer:
Emma Broad

Name of Supervising Officer: Matthew Phillips

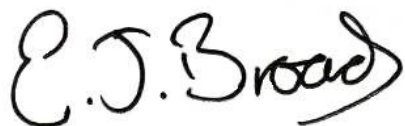
Job Title:
Ecology and Biodiversity Officer

Job Title: Head of Service Planning Policy

Signed:

Date:

23/04/2021



Signed:

Date:

29.4.21



APPROPRIATE ASSESSMENT OF A PROPOSAL LIKELY TO HAVE A SIGNIFICANT EFFECT ON A EUROPEAN SITE

CONSERVATION (NATURAL HABITATS & C.) (Continued)

PART E: Consultation with NRW on Part D	
Natural Resource Wales comment on conclusion:	
Name of NRW Officer:	Job Title: Regional Species & Biodiversity Officer
Signed:	Date: