Appendix to Chapter 8: Biodiversity

Appendix 8. 9: Amphibians, Reptiles & Marsh Fritillary Field Work & Survey Results

The data and descriptions in this appendix have informed the cumulative evaluations in the EIA Main Report.

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A8-9.1 Field Work – Amphibians, Reptiles, Invertebrates

A8-9.1.1 Amphibians and Reptiles

Amphibians and reptiles occurring within the study area of UWF Grid Connection were recorded during the course of all site walkovers for habitat, mammal and bird surveys.

Results of the Amphibians/Reptiles Surveys are presented below in Section A8-9.2.1

A8-9.1.2 Marsh Fritillary

Suitable habitats, determined by the presence of Devil's Bit Scabious (*Succisa pratensis*) as well as an evaluation of vegetation height and structure, aspect and scrub cover, were identified within the wider study area of the UWF Grid Connection corridor during the 1st 2018 UWF Grid Connection application habitat survey.

No habitats suitable for Marsh Fritillary were recorded within the 2nd UWF Grid Connection application *(current 2019 application)* study area.

A8-9.1.2.1 Marsh Fritillary surveys within study areas for Other Elements

In relation to the Other Elements of the Whole UWF Project, surveys in 2016 and 2017 for suitable habitat within the Upperchurch Windfarm/UWF Related Works site found suitable potential Marsh Fritillary habitat at Shevry, where the construction works area for both the Upperchurch Windfarm and the UWF Related Works overlap. Due to their potential to possibly contain larval webbing these sites were visited on 6th September 2017 to confirm the baseline environment. In the interest of clarity both the consented turbine footprint and described works area for turbine establishment and erection and internal cabling were surveyed. No other Marsh Fritillary habitat overlaps the any other part of the Whole UWF Project.

Results of the Marsh Fritillary Surveys are presented below in Section A9-9.2.2.

A8-9.2 Survey Results

A8-9.2.1 Survey Results for Amphibians & Reptiles

No observations or evidence of Amphibians or Reptiles were recorded during surveys within the UWF Grid Connection study area, although suitable habitat is present.

The observations in the table below relate to Other Elements of the Whole UWF Project only.

Table 1: Incidental observations of amphibians and reptiles recorded during surveys for Other Elements of the Whole UWF Project *(for cumulative evaluations)*

Species	Easting (ITM)	Northing (ITM)	Location	Date	Notes
Frog	593269	661083	Knockmaroe	13/07/2017	Adult in disturbed ground near mobile phone mast
Frog	593127	661667	Grousehall	13/07/2017	Adult in species rich wet grassland
Frog	594368	661161	Foilnaman	19/05/2017	Adult in improved grassland next to plantation
Vivip-arous Lizard	595169	659348	Shevry	13/07/2017	In acid grassland

A8-9.2.2 Survey Results - Invertebrates-Marsh Fritillary

No Marsh Fritillary or suitable Marsh Fritillary habitat was recorded within the UWF Grid Connection study area.

The records below only relate to Other Elements – UWF Related Works and Upperchurch Windfarm.

Table 2: Observations of Marsh Fritillary recorded during surveys for the Other Elements of the Whole UWF Project *(for cumulative evaluations)*

Easting (ITM)	Northing (ITM)	Evidence	Year	Location
595775	659918	Larval Web	Sep-17	Shevry
595732	659852	Larval Web	Sep-17	Shevry
595751	659829	Larval Web	Sep-17	Shevry
595775	659815	Larval Web	Sep-17	Shevry

Plate 1: Wet grassland at Shevry which contained patches of Devil's bit scabi-ous where Marsh Fritillary webs were recorded