

# Surveys to Date

We are undertaking a number of surveys which will support the planning application. Details of the key surveys undertaken to date are shown below.



## Ecology

The site is not located within any ecological designations; however, we have undertaken a number of site-specific ecological surveys to account for any species located on-site. The details of these and suitable mitigation measures will form part of the planning application.

Based on these surveys, the proposed development will likely include the following mitigation for local ecology:

- Breeding bird habitat creation in the open green areas outside of the solar array.
- Improved neutral grassland within the development area and wildflower planting in field margins.
- Buffers from the hedgerows, woodland and additional planting on-site.
- Areas of connectivity between the existing woodland areas around the site.

We have started early consultation with Natural England to ensure the survey effort is appropriate before the application is submitted to the Council.

## Hydrology

The majority of the site is within Flood Zone 1, and no equipment is located within the small areas of Flood Zone 2/3.

Surface water flood risk will be accounted for in the site design to ensure the development remains safe over its lifetime. A surface water drainage strategy will be developed to ensure surface water runoff from the site does not increase as a result of the development. The drainage strategy will manage surface water runoff from the proposed infrastructure on site.

Suitable drainage measures may include use of infiltration swales and sustainable drainage systems (SuDS) across the site.

## Heritage

The site does not contain any Listed Buildings or Scheduled Monuments. To date, we are preparing a Historic Environment Desk-Based Assessment which will consider any effects on heritage assets. This will include the Conservation Areas, listed buildings and scheduled monuments in the local area. Where any mitigation is required, this will be set out within the application documents.

The 2015 geophysical survey for the 50MW solar permission is being assessed and we will undertake further work on the un-surveyed areas. The analysis of these will identify any potential below ground archaeological assets. A report will be prepared and will form a part of the planning application.

## Glint & Glare

We are undertaking a full Glint and Glare Assessment which will accompany the planning application. The assessment will include a 1km survey area around the for residential receptors and road receptors, and a 30km study area for aviation receptors. The Site is located within the safeguarding buffer zone of Sywell Aerodrome, however impacts are likely to be low or none for aviation assets. Our preliminary work has identified that the proposed development will not result in significant effects on the local properties and airfields/ aerodromes/airports. The proposal will include both hedgerow and tree planting to reduce views of the development.

