

## Case Study

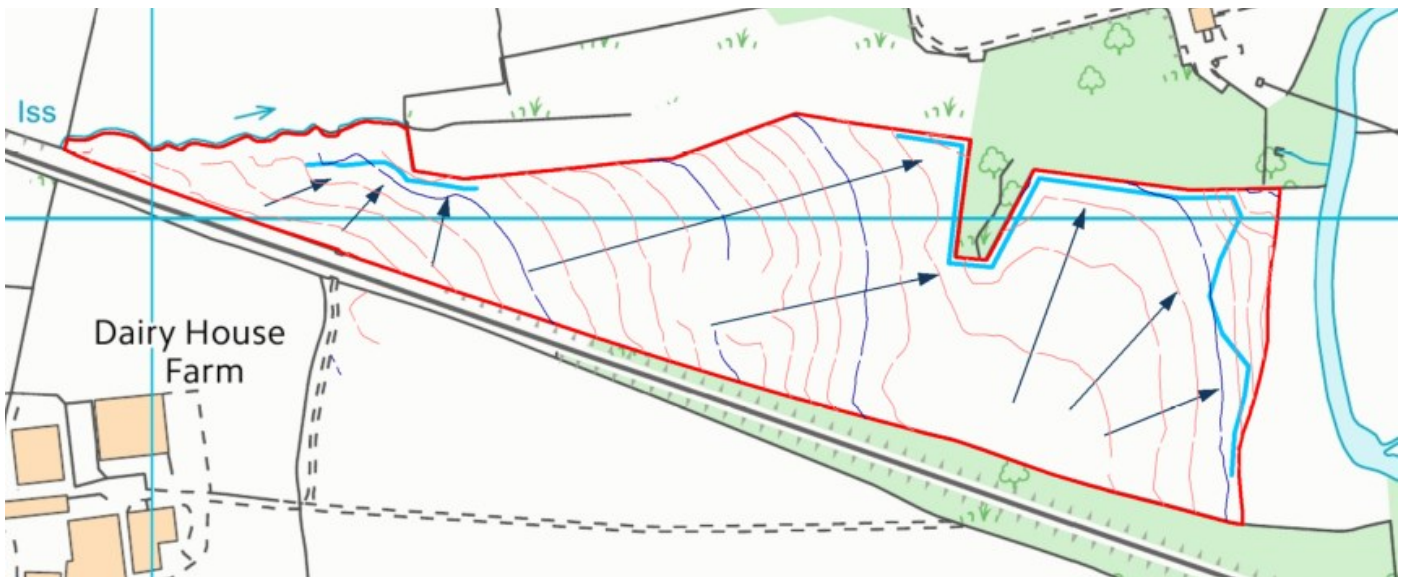
**PROJECT NAME:** DAIRY HOUSE

**PROJECT TYPE:** FLOOD RISK ASSESSMENT FOR A SOLAR FARM

**PROJECT SIZE:** 3.66MW

**CLIENT:** LIGHTSOURCE LTD

**DATE:** JUNE 2015



Neo Environmental were commissioned by Lightsource Renewable Energy Ltd to produce a Flood Risk Assessment to support a planning application for a 3.66MW solar energy development in Cheshire.

### Neo Environmental's involvement:

- Carried out a Flood Risk Assessment in accordance with the NPPF, associated PPG and the EA standing advice on flood risk for new development.
- Propose mitigation measures including raising floor level of all site buildings above 100mm above ground level; forming the proposed access roads using permeable materials and proposing 541m of swales sown with an appropriate seed mix upon construction.

### Project Outcomes:

- The site was found to lie within Flood Zone 1 and therefore flood risk was considered to be low.
- The provision of swales would lead to an overall reduction in surface water flow rates from the site, mitigating any increase in run-off due to the minor reduction of 0.15% in the overall permeable area of the site.
- It was found the development will be safe and that it would not increase flood risk away from the site and was therefore considered to be acceptable in planning policy terms.