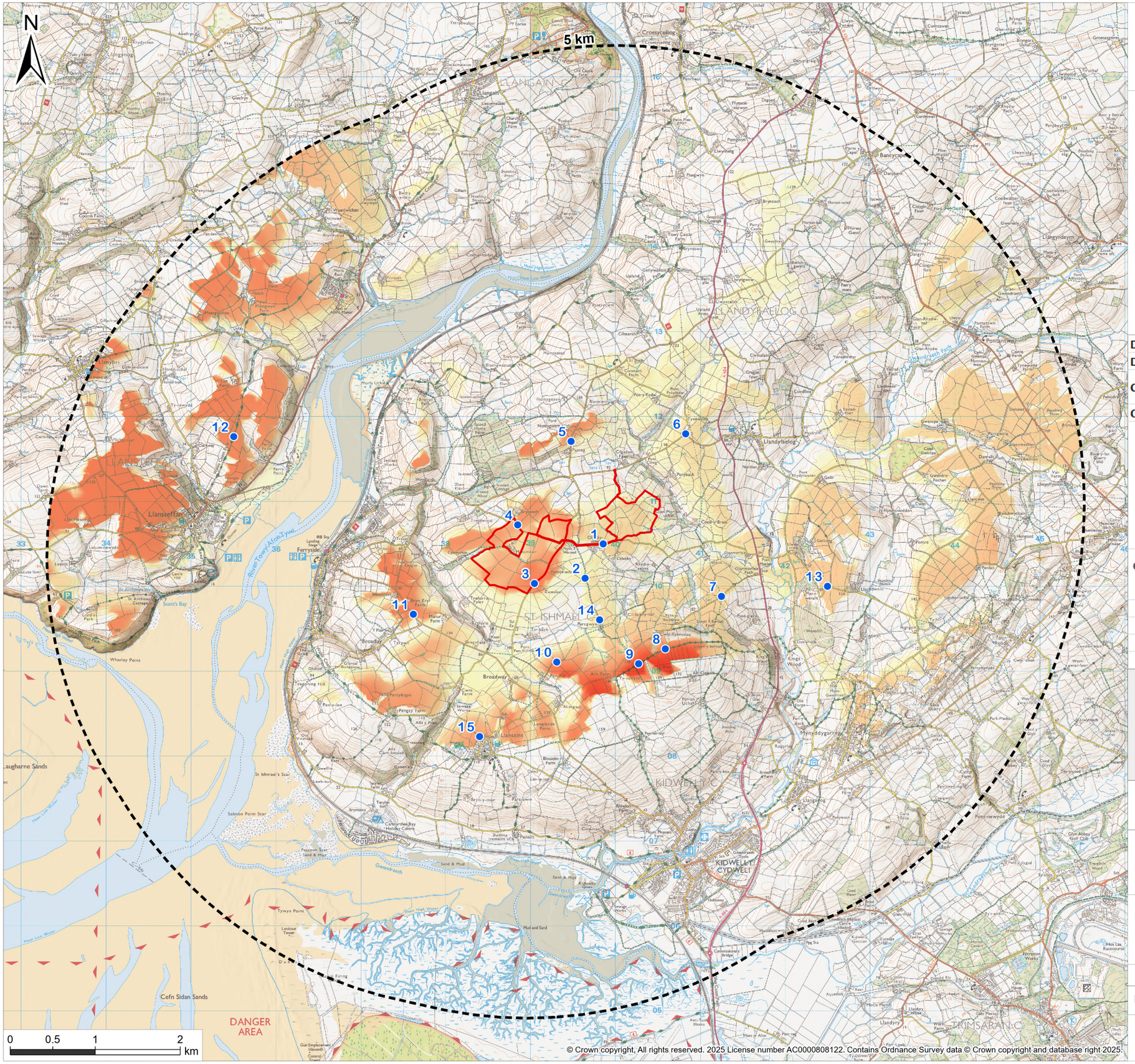

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A TETRA TECH COMPANY

Qualitas energy

Legend

- Site
- Study area
- Representative Viewpoints

Zone of Theoretical Visibility

- High visibility
- Low visibility

Data source	OS Terrain 5
Date sourced	2024
Coverage	Within 5km of the Application Boundary
Original cell size	5 m

ZTV calculated using following heights

Solar panels: 3 m
Inverters: 2.2 m
DNO substation: 3.3 m
Transformer: 2.5 m
Communications tower: 15.2 m
Spares container: 2.5 m

Ground cover is modelled using indicative heights of 9m for buildings, and 12m for woodland blocks. Ground cover is located using OS Open Maps.

ZTV is not calculated beyond 5 km of Application Boundary

Viewer height is 1.7 m

The effects of earth curvature and light refraction are considered.

ZTV calculation does not use mathematically approximate methods.

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Project Name	**Heolddu Solar Farm**
Drawing Title	**Zone of Theoretical Visibility: Panels, Communications Tower, Inverters, Transformers, DNO Substation, and Spare Parts Container**
Figure Number	**5.2**
Drawing Number	**NDIP00319-0013-03**

Rev	Date	Status	By	Check
03	24/07/2025	FINAL	AC	AI

Scale @ A3	Plot Size	Datum
1:45,000	**294 x 277 mm**	**OSGB 1936**

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