## Plan for ground mounted solar panels on our property.

There would be a line of 20 panels in portrait, one high, at an angle of 30-35 degrees, c.150m from the house, running underneath the national grid lines from the pylon in the field behind the property. This can be seen clearly on the maps.

Panels would be 1.134m by 2.278m (545kW panels) and therefore extend a row 22.68m long, height at 35 degrees 1.3m, plus fixing height off the ground, and front to back c.2.0m so covering an area c.45m<sup>2</sup>.

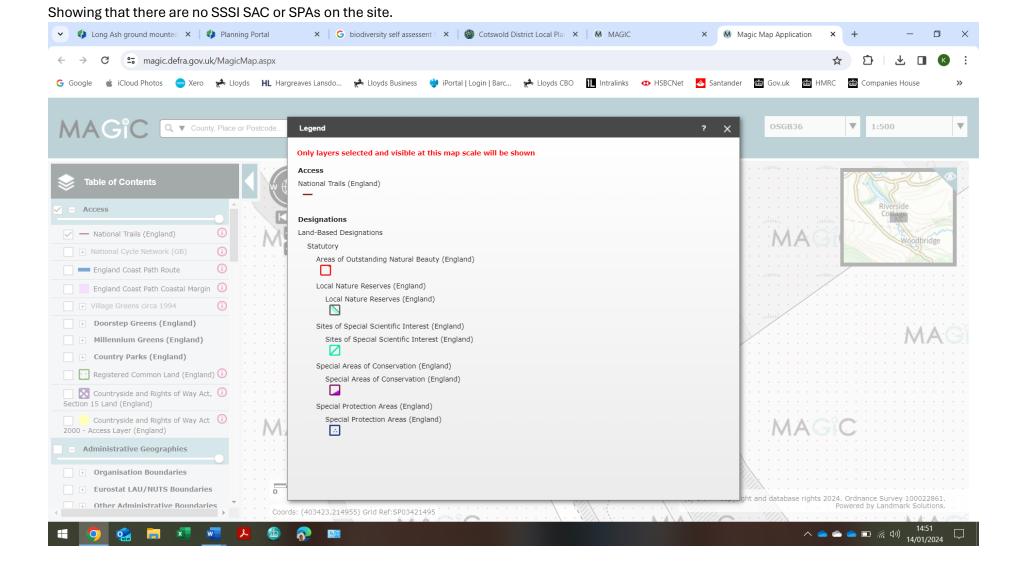
The aim is to site the panels close to (within 1-2m of) the boundary fence/hedge. There is a sloping field on the other side of the boundary. In the 20 years we have been at Long Ash, there have only ever been cows for a few weeks on the field on two occasions, and not in the last five years. The field is steep, particularly behind our house, and has a national grid pylon in it behind the solar panel site.

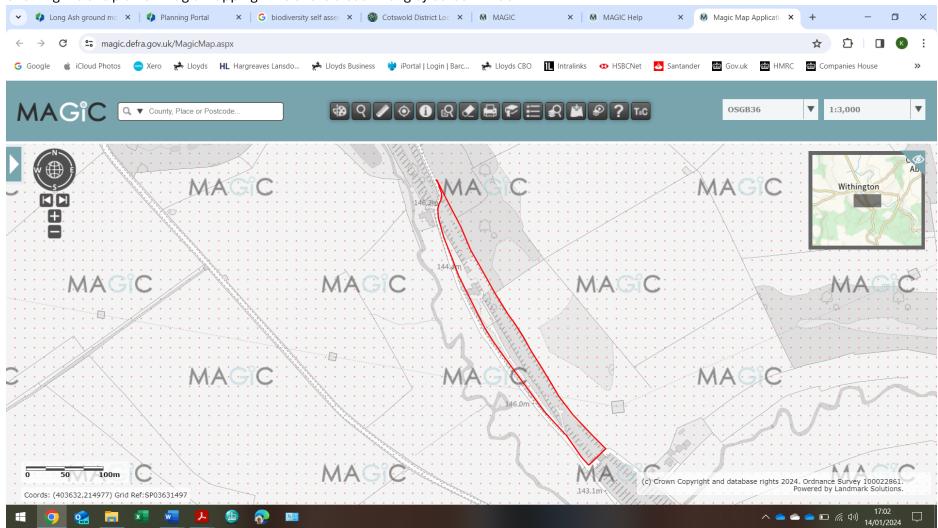
Screen prints below from Magic Mapping, link obtained from Cotswold District Council biodiversity self-assessment form, and the Cotswold Information Map.

Kate Lawton

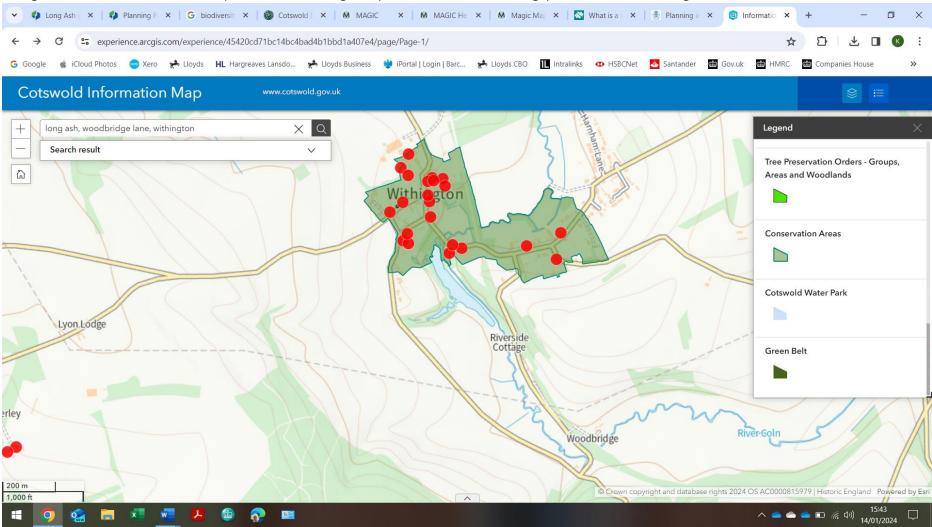
Long Ash, Woodbridge Lane, Withington, Cheltenham GL54 4 BP

11 February 2024

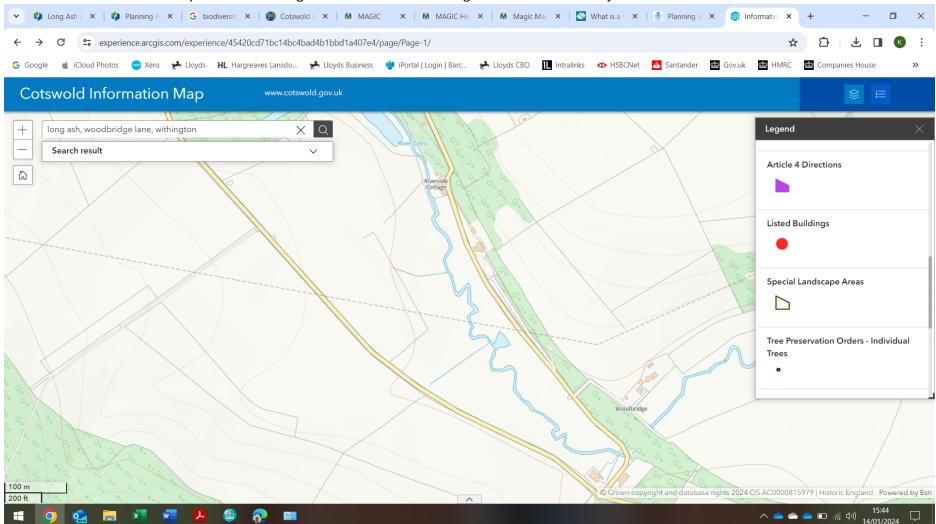




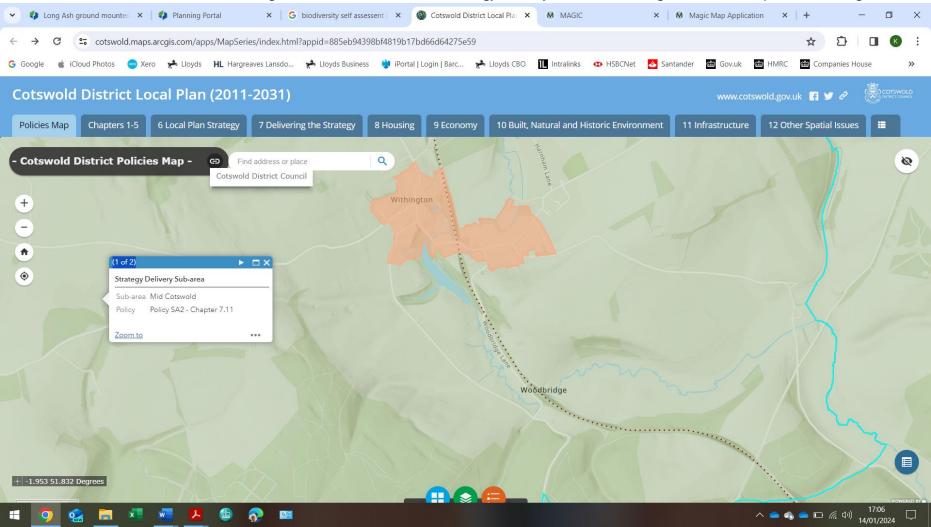
Showing the site plan on Magic Mapping. The site is c.390m long by 30-35m wide.



Using the Cotswold Information Map to show that Long Ash (south of Riverside Cottage) is outside the Withington Conservation Area.

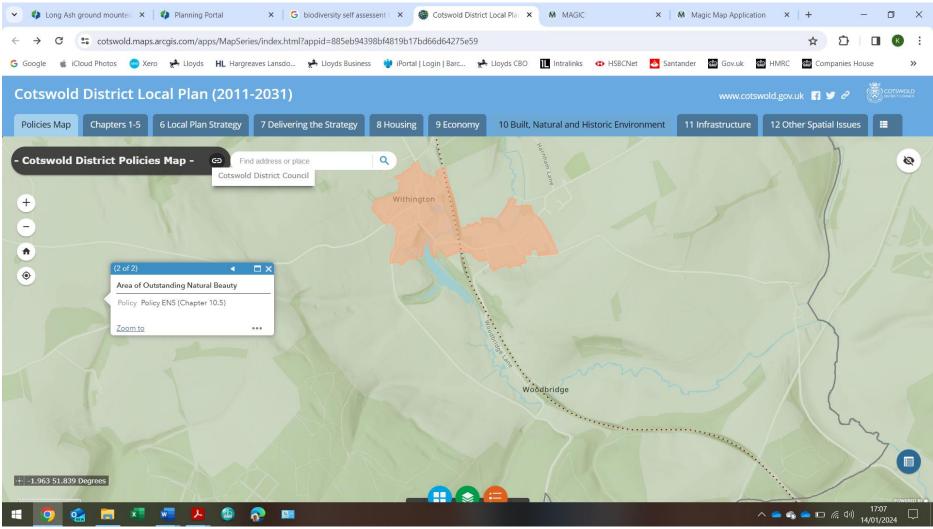


The Cotswold Information Map shows that Long Ash is not a listed building and does not have any trees with TPOs.

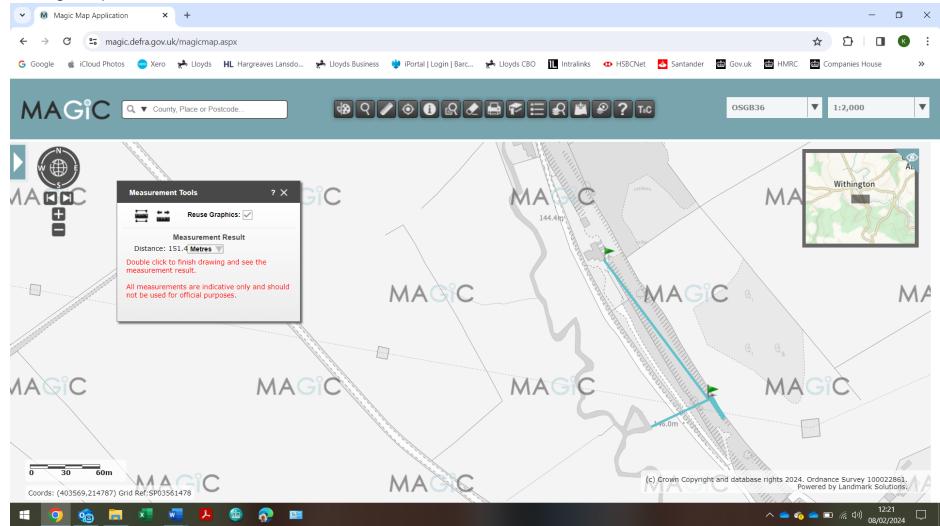


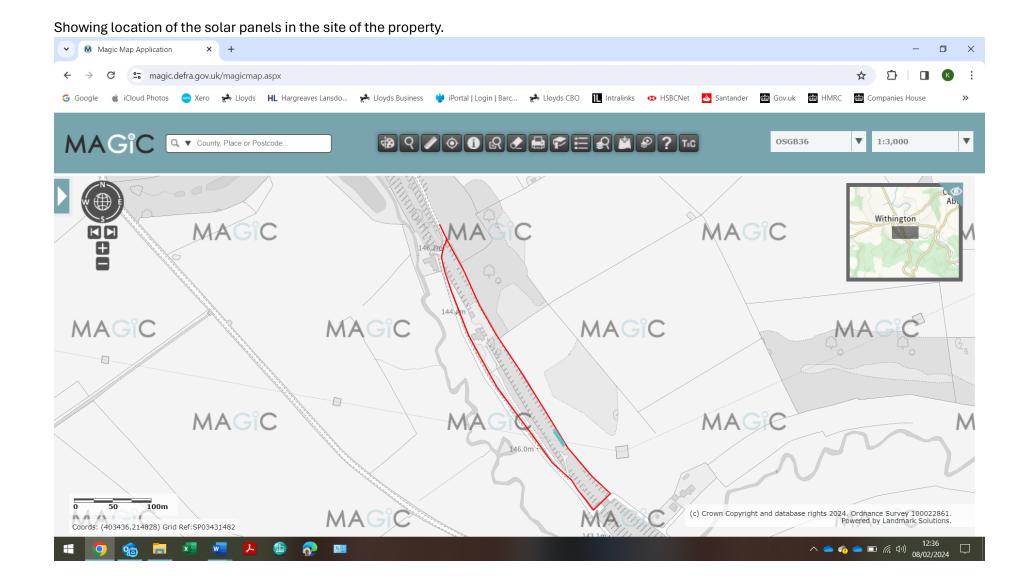
From the Cotswold District Local Plan, Long Ash is in the Mid Cotswold strategy delivery sub-area, nothing is shown in the plan for Withington.

The Cotswold District Local Plan shows that Long Ash is in an Area of Outstanding Natural Beauty. This map shows the line of the disused railway, we own c.390m of it above Woodbridge (our neighbour).



Showing solar panel site a distance of c.150m from the house.

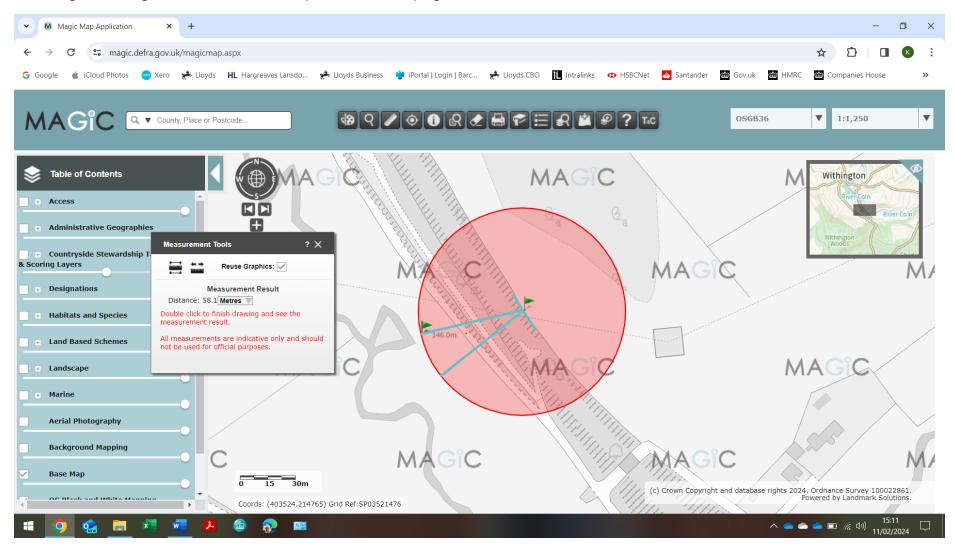




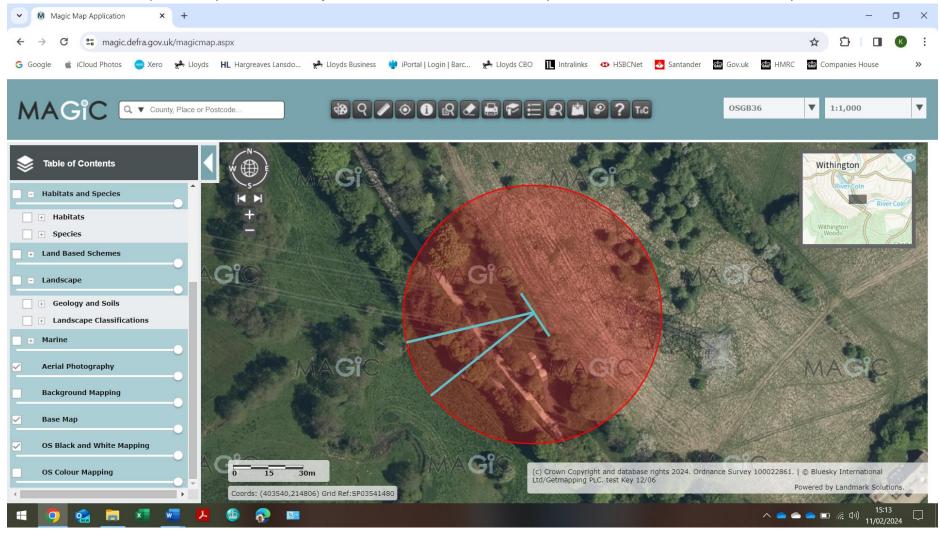
Magic Map Application × +  $\sim$ × 😁 magic.defra.gov.uk/magicmap.aspx ← G ☆ Ð ĸ 🧉 iCloud Photos 😑 Xero 📌 Lloyds H Hargreaves Lansdo.... 📌 Lloyds Business 💗 iPortal | Login | Barc... 📌 Lloyds CBO 阻 Intralinks 📭 HSBCNet 📉 Santander 🔠 Gov.uk 📾 HMRC 📾 Companies House G Google >> MAG<sup>°</sup>C County, Place or Postcode. 够♀и⊘●₿₡₫₽₽₽™₽?™ ▼ OSGB36 ▼ 1:500 ? X leasurement Tools Riverside Cottage MAGIC Reuse Graphics: 🗸 Woodbridge Measurement Result 56.1 Meters Double click to finish drawing and see the measurement result. All measurements are indicative only and should not be used for official purposes. MAG<sup>î</sup>C MAGIC MAC MAGIC MA MA 146.0m MAGIC MA 10m (c) Crown Copyright and database rights 2024. Ordnance Survey 100022861. Powered by Landmark Solutions. Coords: (403571,214786) Grid Ref:SP03571478 へ 🥌 🍖 🛋 🦟 🕼 08/02/2024 db 2 x w  $\Box$ 

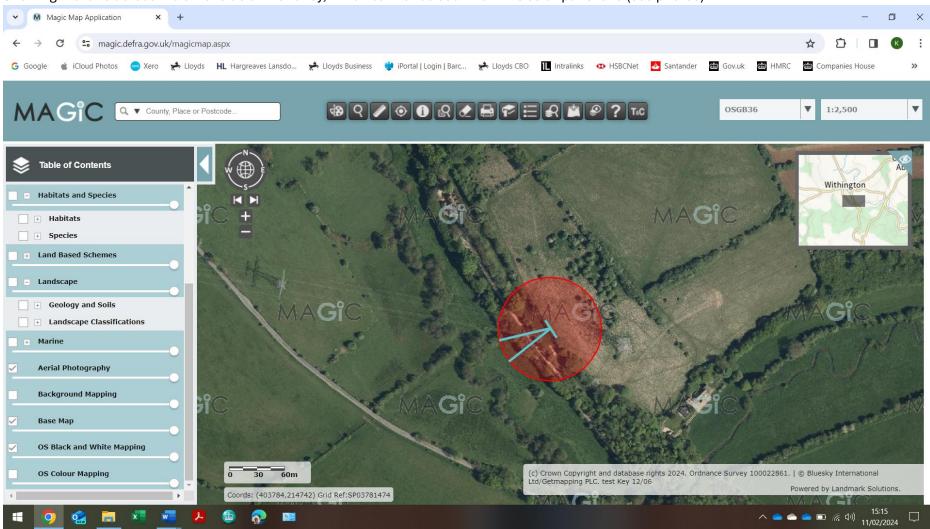
The solar panels will be at least 55m from the nearest point of the river Coln (and an estimated 10-15m above it).

Showing an area just over 50m from the solar panels. Within this area there are some mixed broadleaf trees along the track of the old railway line and along Woodbridge Lane. Behind the solar panel site is a sloping field.



Showing field behind solar panel site is mainly a grassy, sloping field. There are some trees along the site of the old railway line and along the lane c.10m below the solar panel site (which can't really be seen between the trees, it runs parallel to our drive, which can be seen).





Showing the lane across the other side of the valley, which cannot be seen from the solar panel site (see photos).

Possible mount for solar panels, which would be one panel in portrait (not two as shown here), line of 20 panels. The angle would be 30 or 35 degrees. Panels are 1.134m wide, 35mm deep, 2.278m long so the height would be ( $\sin 35 \times 2.278 =$ ) 1.3m high (1.14m high at 30 degree angle) plus the distance off the ground, say 0.5m = c.1.8m total height (distance off the ground to be confirmed). A line of 20 panels would be 22.68m long. The distance front to back would be ( $\cos 35 \times 2.278 =$ ) 1.9m (2.0m at 30 degree angle).

