



ATLAS
TOWER GROUP

October 2025

CV36-02 Ilmington

Atlas Tower Group Limited

Document Classification: Public

Introduction

About Atlas Tower Group

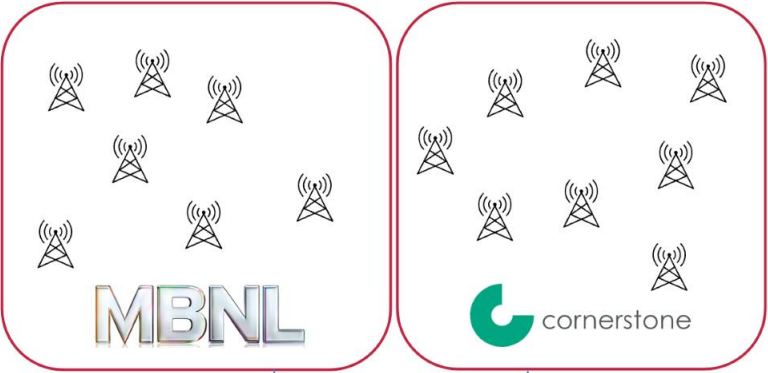
- Atlas Tower Group Limited (Atlas) was established in June 2018, to provide telecommunications infrastructure to the Mobile Network Operators on a national basis
- Over the past few months we have been investigating mobile coverage in Warwickshire and have identified a number of locations where we believe mobile coverage is particularly poor
- We are now meeting with the community leaders in groups like this one to discuss the options for improving the coverage issues
- No financial contribution required for the development of the site. Atlas have contracts in place with all of the mobile operators who pay an annual rental for having their equipment on our site
- This proposal is entirely voluntary, Atlas only want to work in locations where the local community are engaged and supportive of what we are trying to do. So far, the response has been extremely positive

One of our sites in Wolverhampton

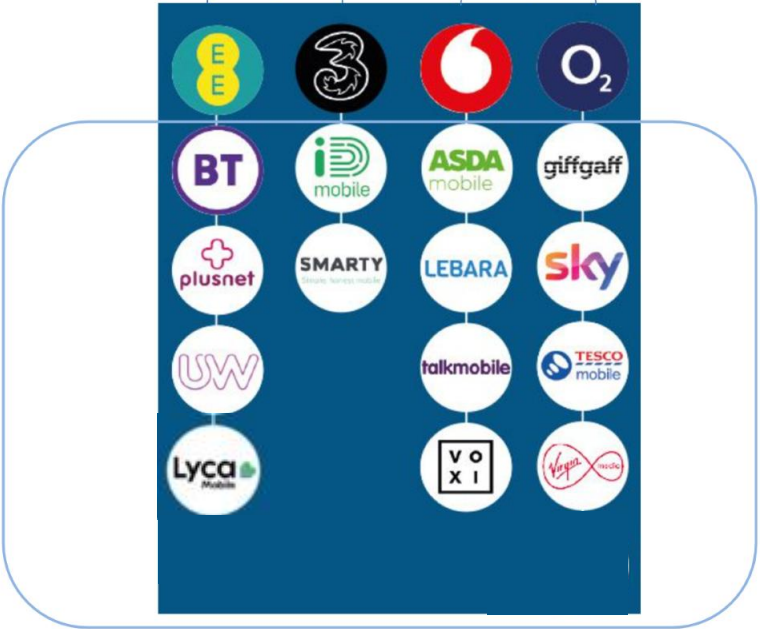


UK Infrastructure

Only two physical networks although there are some unilateral deployments



Network Operators



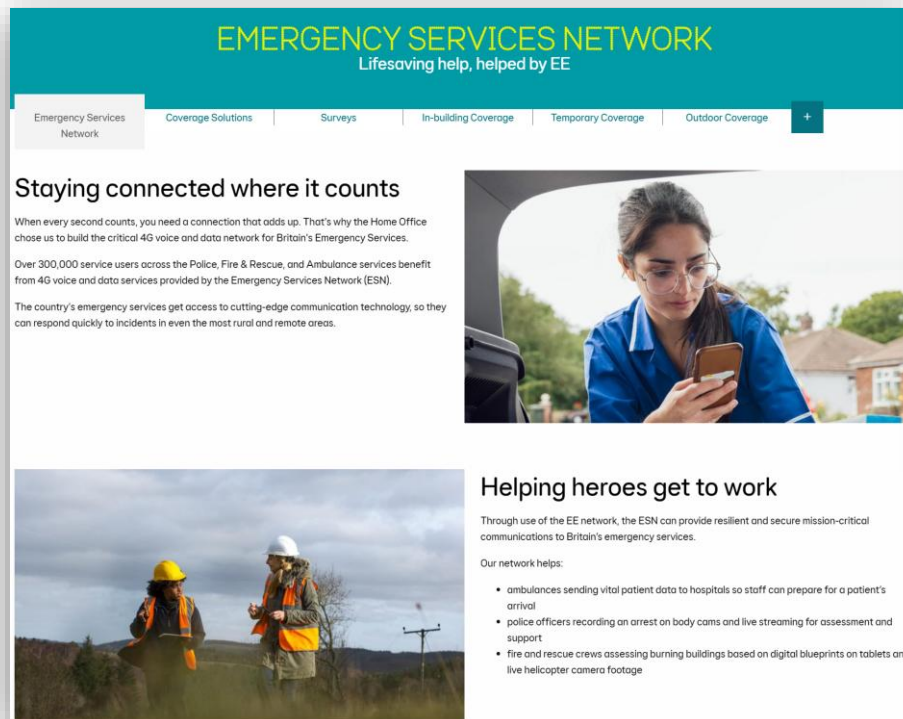
Wholesale Reseller (MVNO) Mobile Virtual Network Operators do not own any sites



Why do I need mobile phone coverage?

Emergency Services Network (ESN EE)

<https://www.gov.uk/government/publications/the-emergency-services-mobile-communications-programme/emergency-services-network>



EMERGENCY SERVICES NETWORK
Lifesaving help, helped by EE

Emergency Services Network | Coverage Solutions | Surveys | In-building Coverage | Temporary Coverage | Outdoor Coverage | +

Staying connected where it counts

When every second counts, you need a connection that adds up. That's why the Home Office chose us to build the critical 4G voice and data network for Britain's Emergency Services.

Over 300,000 service users across the Police, Fire & Rescue, and Ambulance services benefit from 4G voice and data services provided by the Emergency Services Network (ESN).

The country's emergency services get access to cutting-edge communication technology, so they can respond quickly to incidents in even the most rural and remote areas.



Helping heroes get to work

Through use of the EE network, the ESN can provide resilient and secure mission-critical communications to Britain's emergency services.

Our network helps:

- ambulances sending vital patient data to hospitals so staff can prepare for a patient's arrival
- police officers recording an arrest on body cams and live streaming for assessment and support
- fire and rescue crews assessing burning buildings based on digital blueprints on tablets and live helicopter camera footage



Smart Metering (VMO2 & Vodafone)

<https://www.smartdcc.co.uk/our-smart-network/does-a-smart-meter-need-wi-fi/>



A smart meter display is shown on a wooden surface. The screen displays a 'Budget' section with a lightning bolt icon, a 'Waiting for current data' message, and a 'Now' button. Below the screen are several colored buttons (green, orange, red) and a 'OK' button.

A map of the UK is shown with a dashed orange line separating the North/South divide. The map indicates that smart meters in northern England and Scotland rely on long-range radio signals to operate, which can cause issues. Smart meters in the rest of England and Wales use mobile technology.

North/South divide*

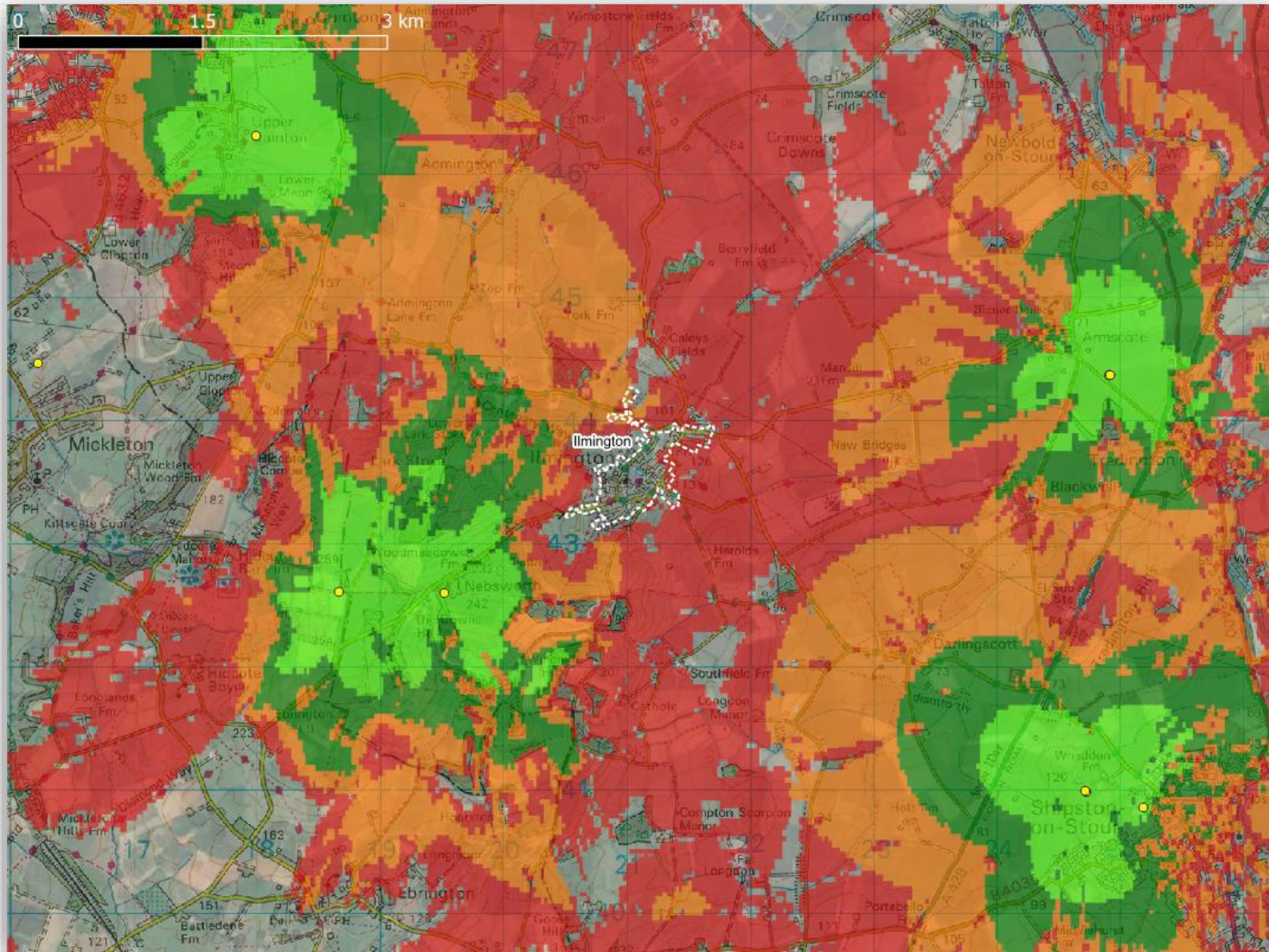
Smart meters in northern England and Scotland rely on long-range radio signals to operate. This can cause issues

Liverpool Hull

Smart meters in the rest of England and Wales use mobile technology

<https://www.renewableenergyhub.co.uk/blog/why-smart-meters-are-important-for-the-net-zero-target>

CV36-02 Ilmington: Existing Coverage

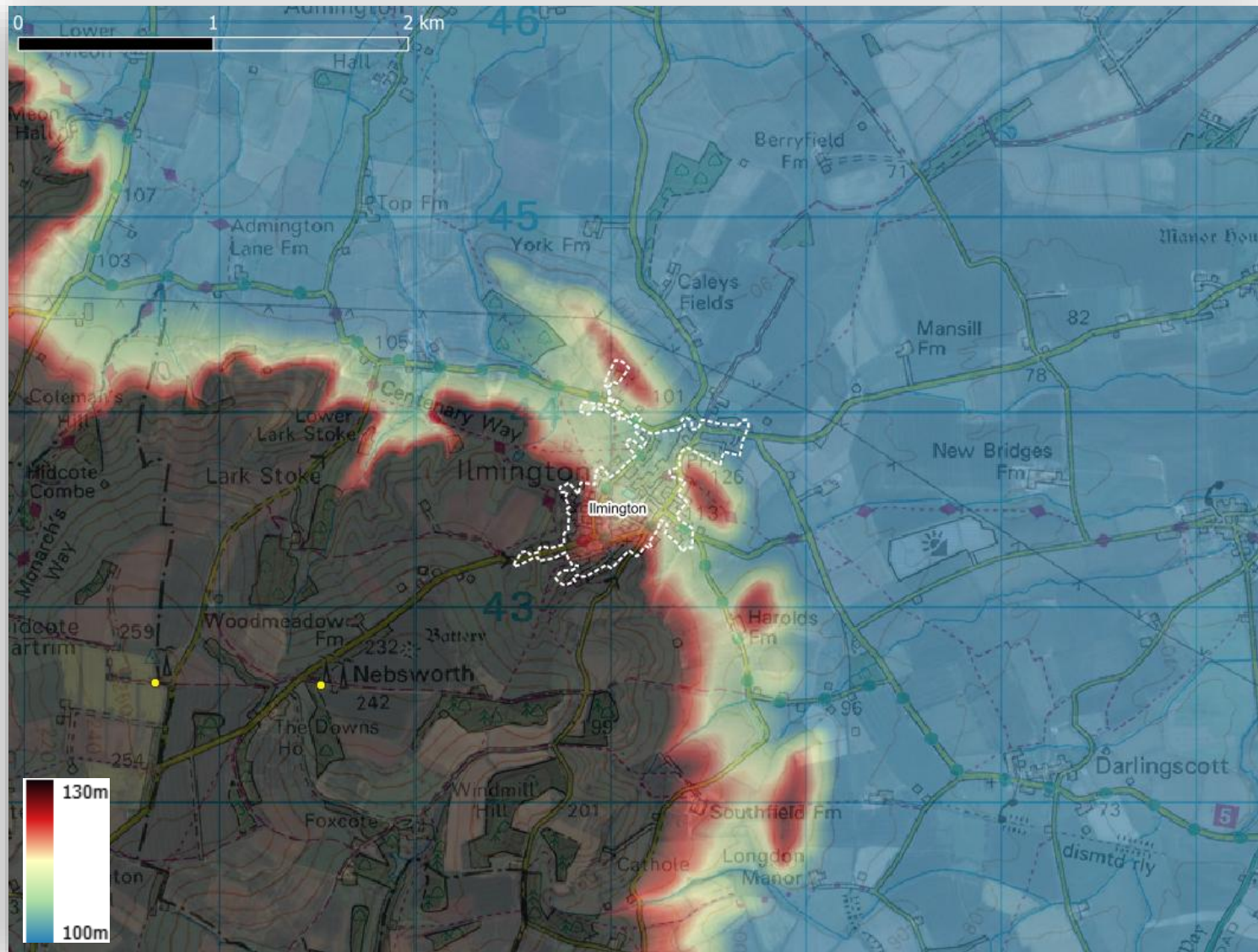


Existing predicted coverage from nearby sites (sites are indicated by the yellow dots within the centre of the bright green 1km circles, the outer edge of the red rings represent a radius of 3km).

This shows that coverage to Ilmington is provided by sites that are over 3km away.

Due to a mixture of distance and line of sight propagation considerations, existing sites are unable to provide full 4G and 5G services to the whole village. Some outdoor coverage is likely.

CV36-02 Ilmington: Terrain



Ilmington is characterised by the Ilmington Downs hills which surround the village. The terrain height decreases in the north of the village and further east.

The line of hills that run north to south around the village prevent reception from sites to the east. The much higher ground to the west prevents coverage from those to the west.

CV36-02 Ilmington: Streetwave drive data

EE



Three



O2



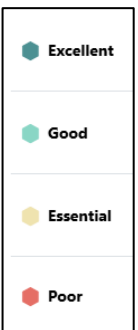
Vodafone



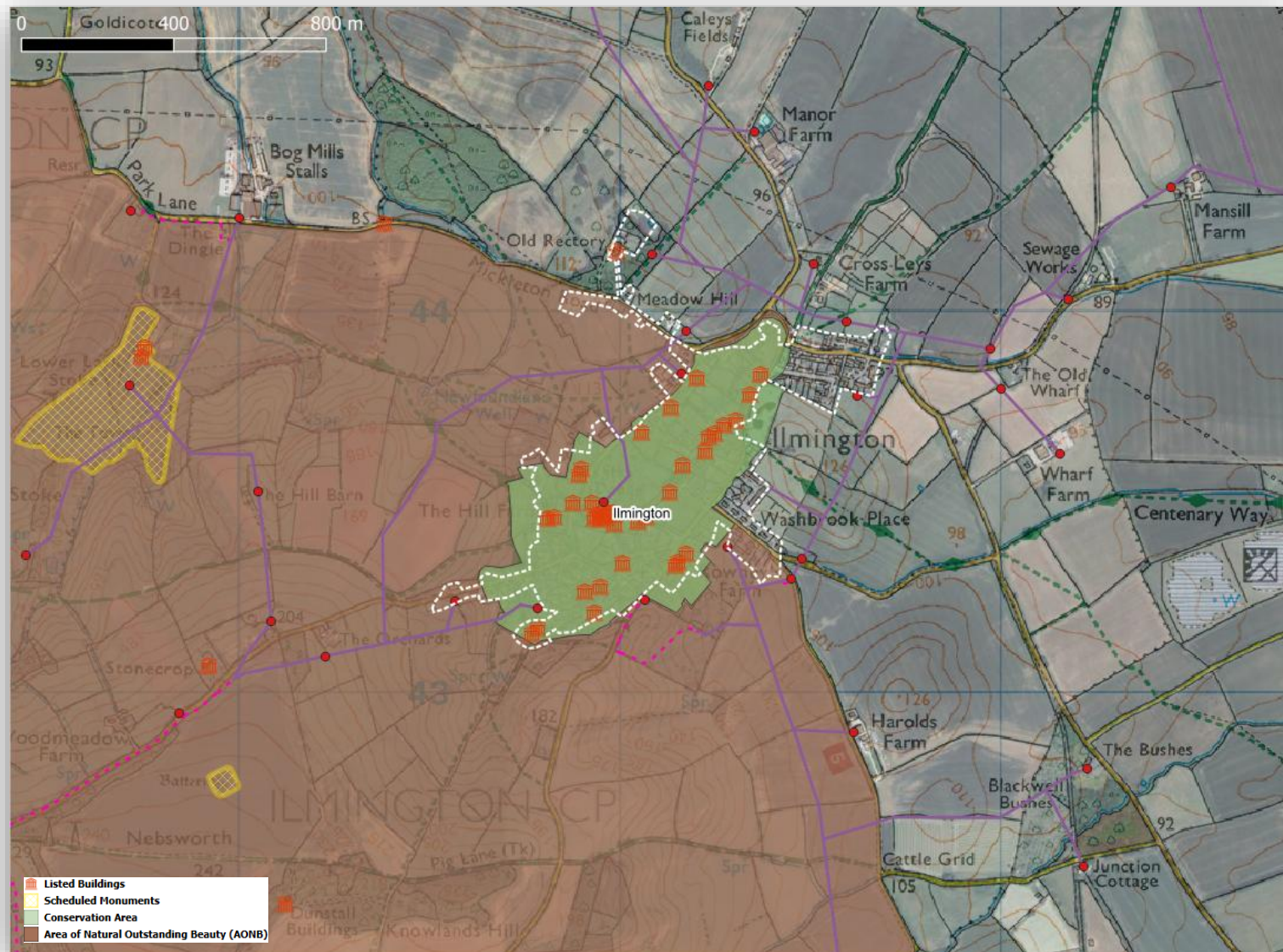
Warwickshire County Council work with Streetwave to collect drive test data across the county. The results of their independent survey show that coverage in Ilmington is poor. A new site would improve this considerably, providing high quality mobile coverage and broadband.

Streetwave's data can also be found on their website:

<https://app.streetwave.co/coverage-checker/60/map>.



CV36-02 Ilmington: Considerations when choosing a potential location



Additional considerations when choosing a site location:

- Power
- Line of Sight
- Access
- Land designations

In the image to the left, the power lines are shown as purple lines. Transformers are the red dots.

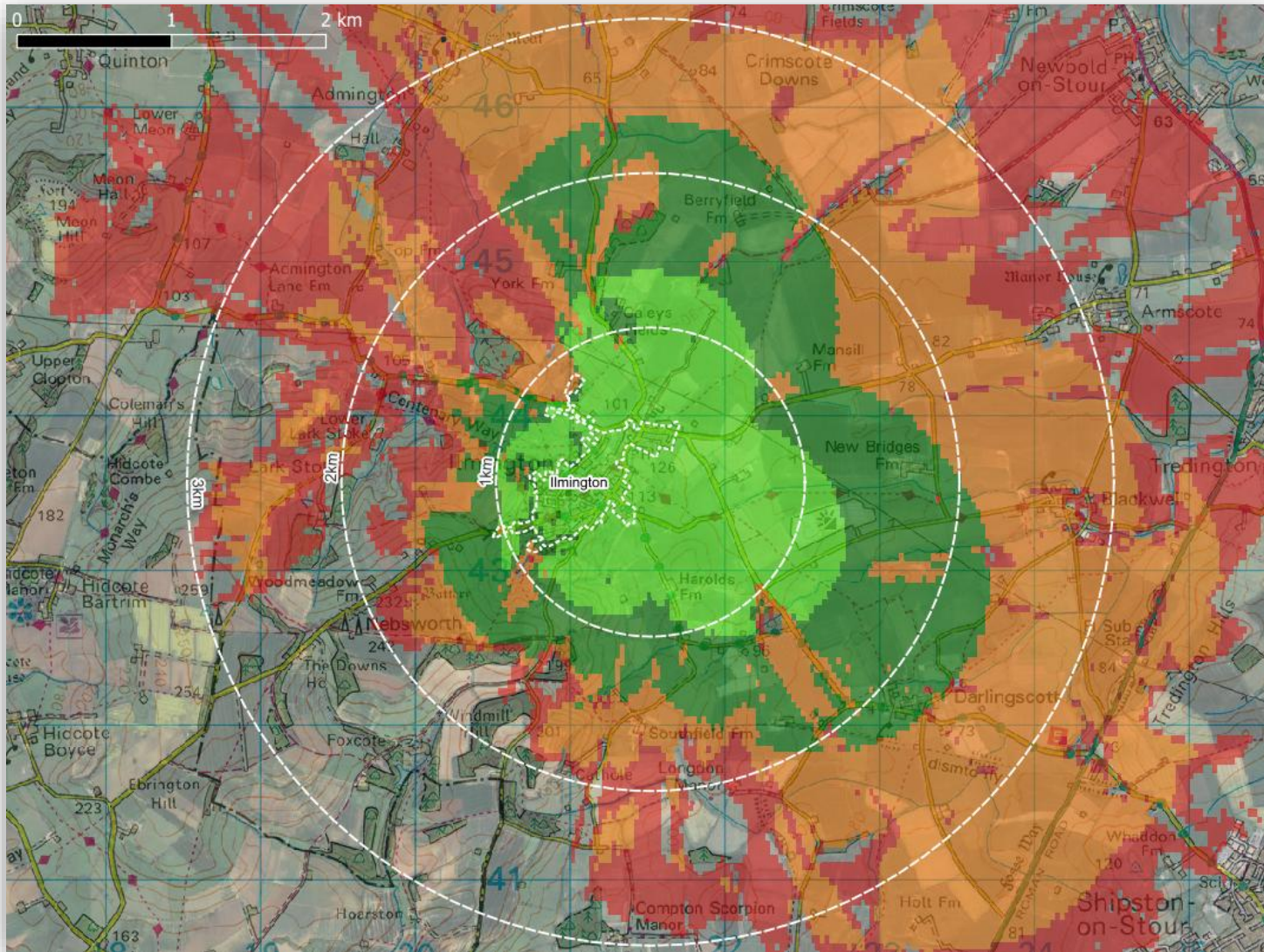
A conservation area can be seen across the majority of the village, as well as the Cotswolds AONB, which continues further south and west.

Grade listed buildings are present within the village. These are mostly Grade II, with the exception of the Grade I listed Church of St Mary.

Scheduled monuments (Medieval settlement at Lark Stoke and Rectangular earthwork on Nebsworth) are just outside of 1km from Ilmington.

The next six slides will show Atlas' predicted coverage from six separate locations.

CV36-02 Ilmington: Predicted Coverage (option 3)



A potential site to the east of the village would provide good coverage to Ilmington and its surroundings.

Landowners have not yet been contacted. Locations are indicative only.

CV36-02 Ilmington: Photomontage (Viewpoint from Wilkins Way)



CV36-02 Ilmington
Option 3
Viewpoint 1



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CV36-02 Ilmington: Photomontage (Viewpoint from Front Street)

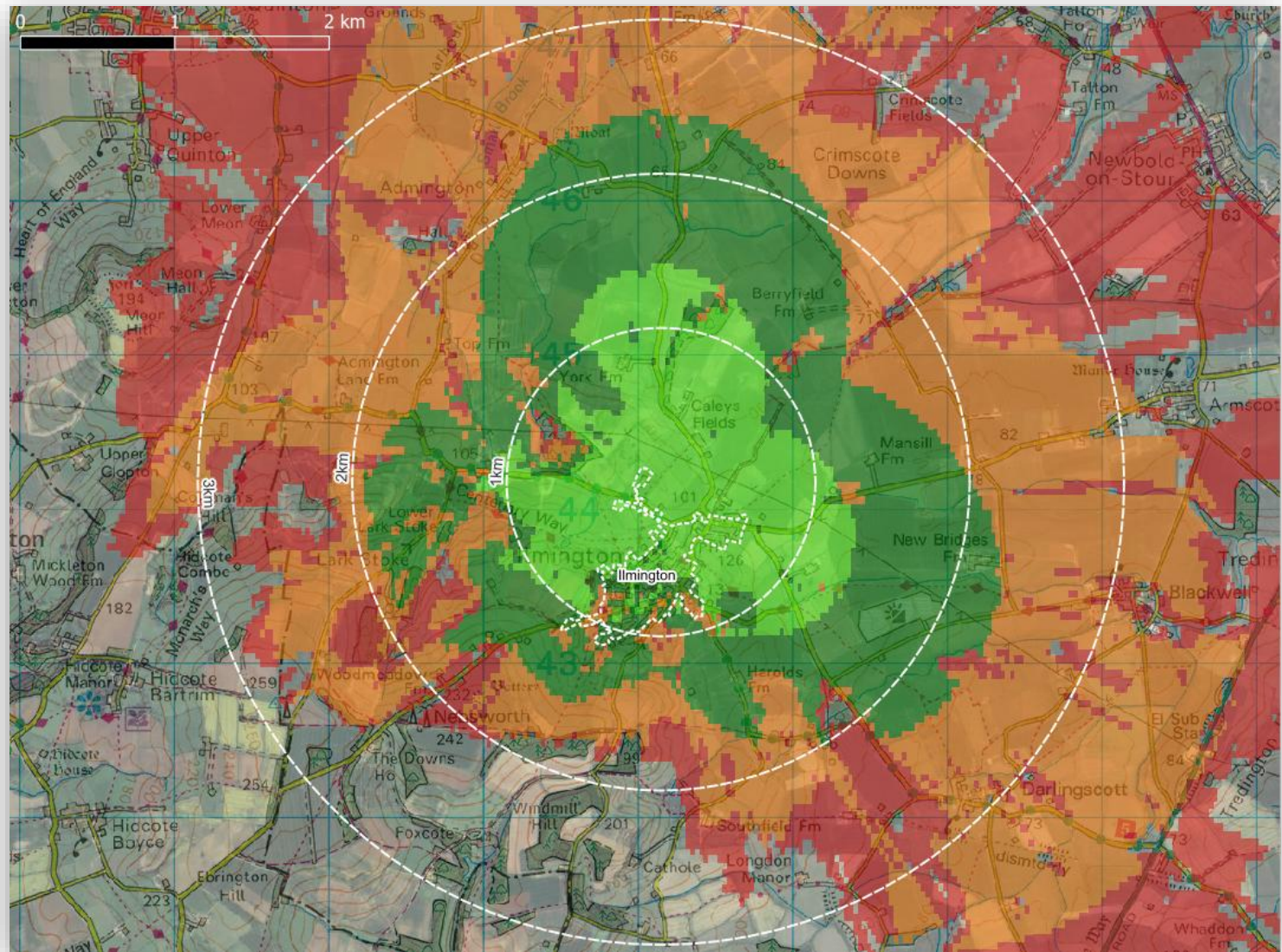


CV36-02 Ilmington
Option 3
Viewpoint 2



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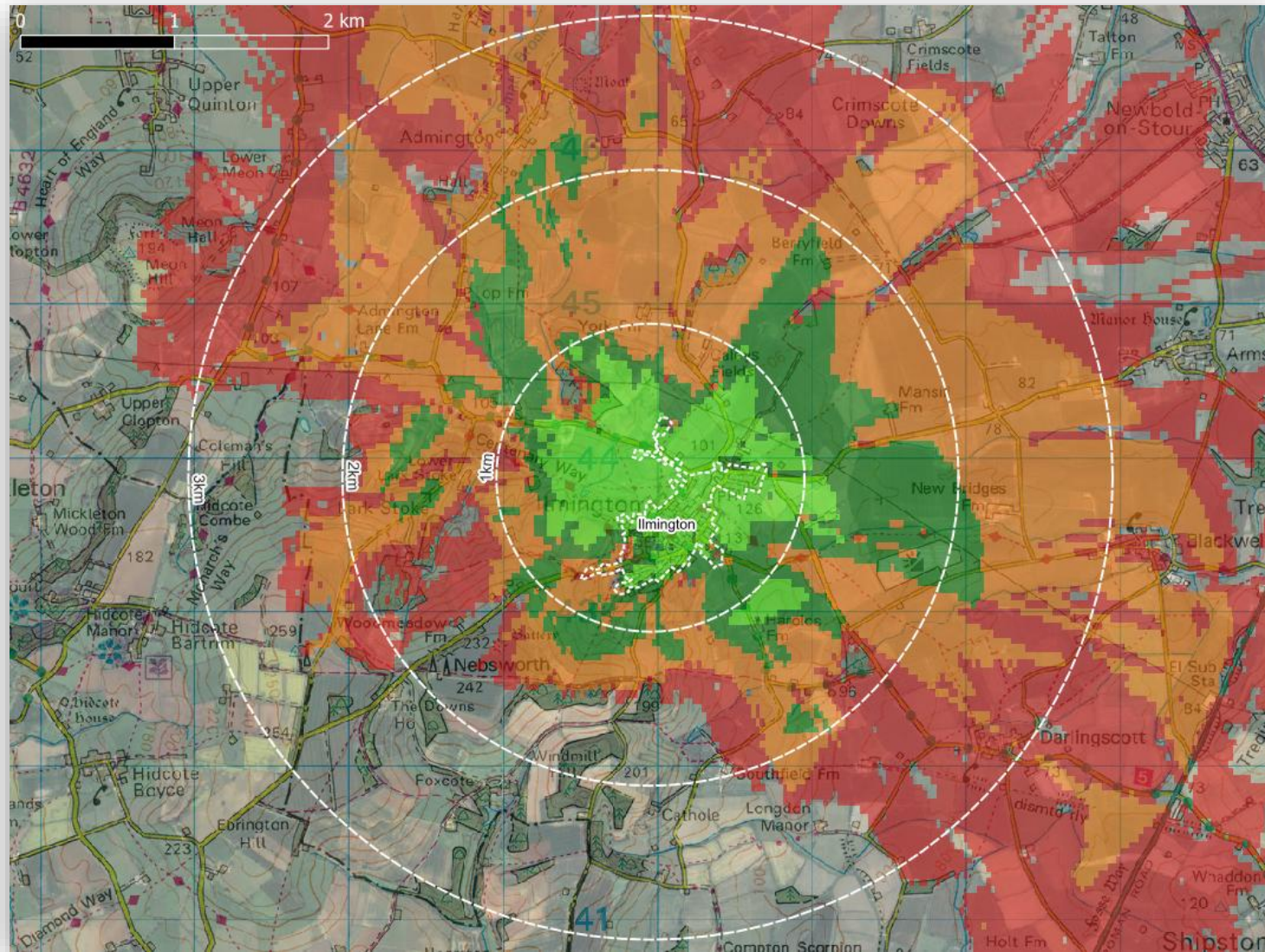
CV36-02 Ilmington: Predicted Coverage (option 6)



A potential site to the north of the village would provide good coverage to Ilmington and its surroundings.

Landowners have not yet been contacted. Locations are indicative only.

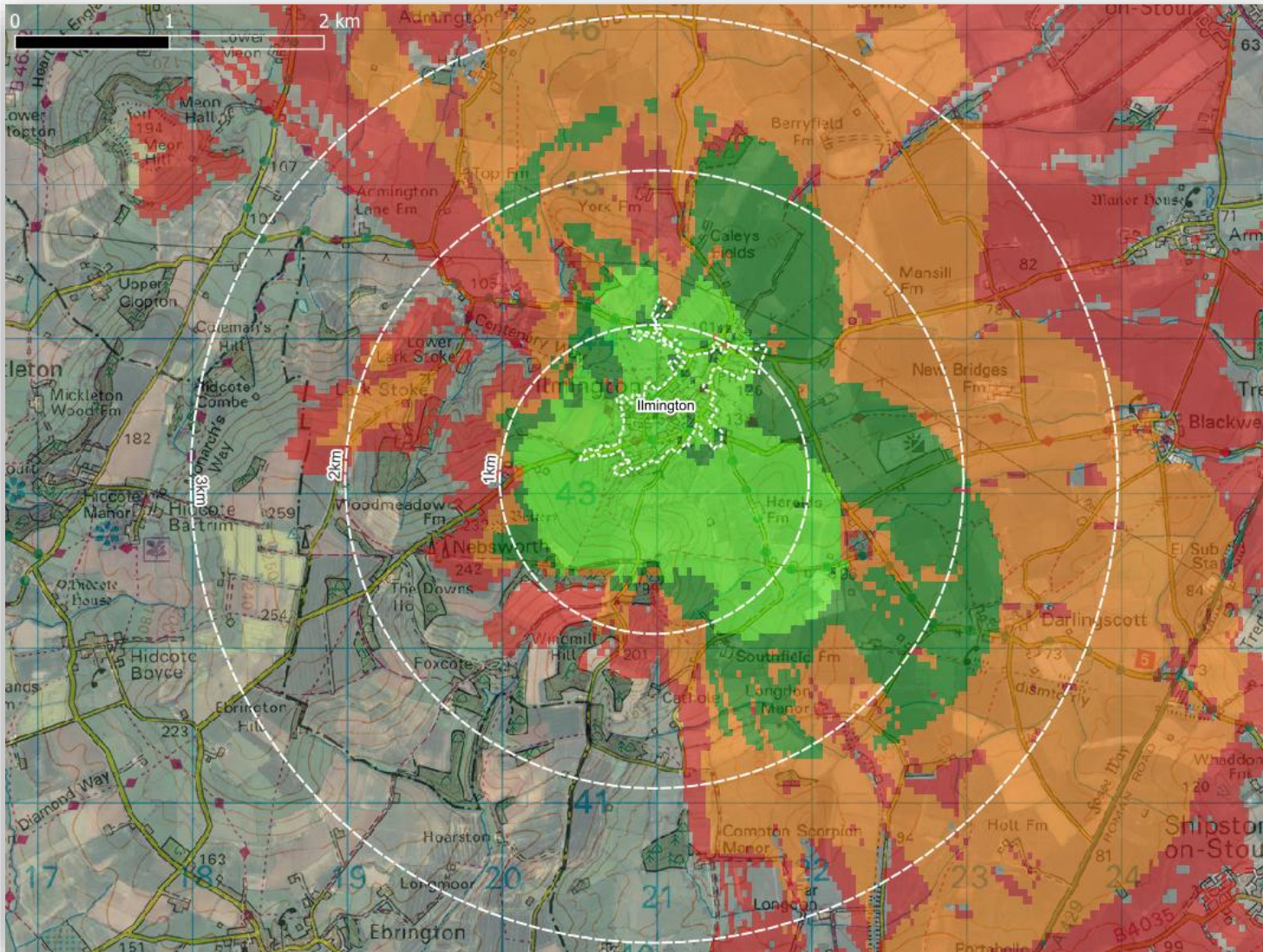
CV36-02 Ilmington: Predicted Coverage (option 7)



A potential site in the west of the village would provide good coverage to Ilmington and its surroundings.

Landowners have not yet been contacted. Locations are indicative only.

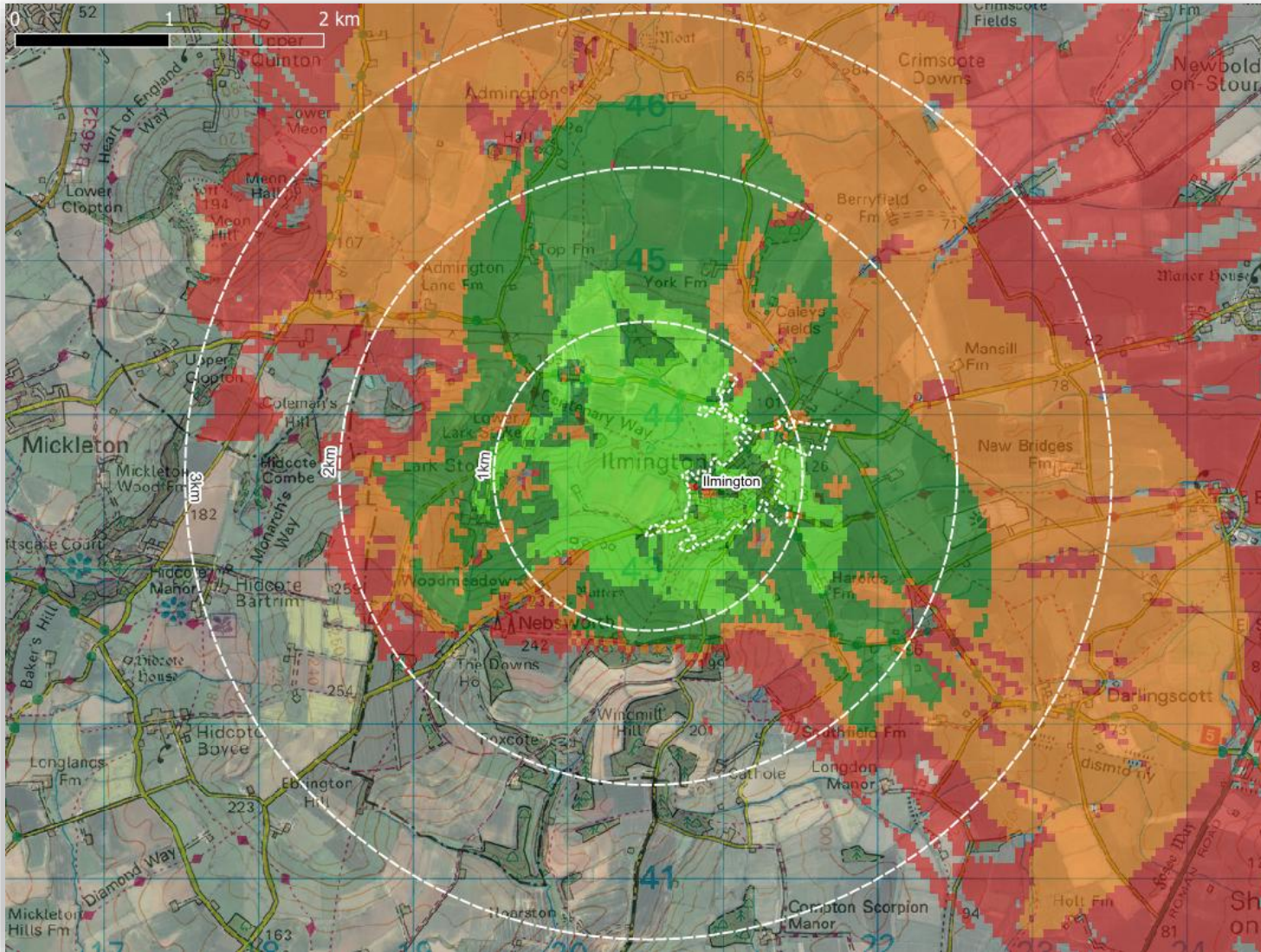
CV36-02 Ilmington: Predicted Coverage (option 9)



A potential site to the south of the village would provide good coverage to Ilmington and its surroundings.

Landowners have not yet been contacted. Locations are indicative only.

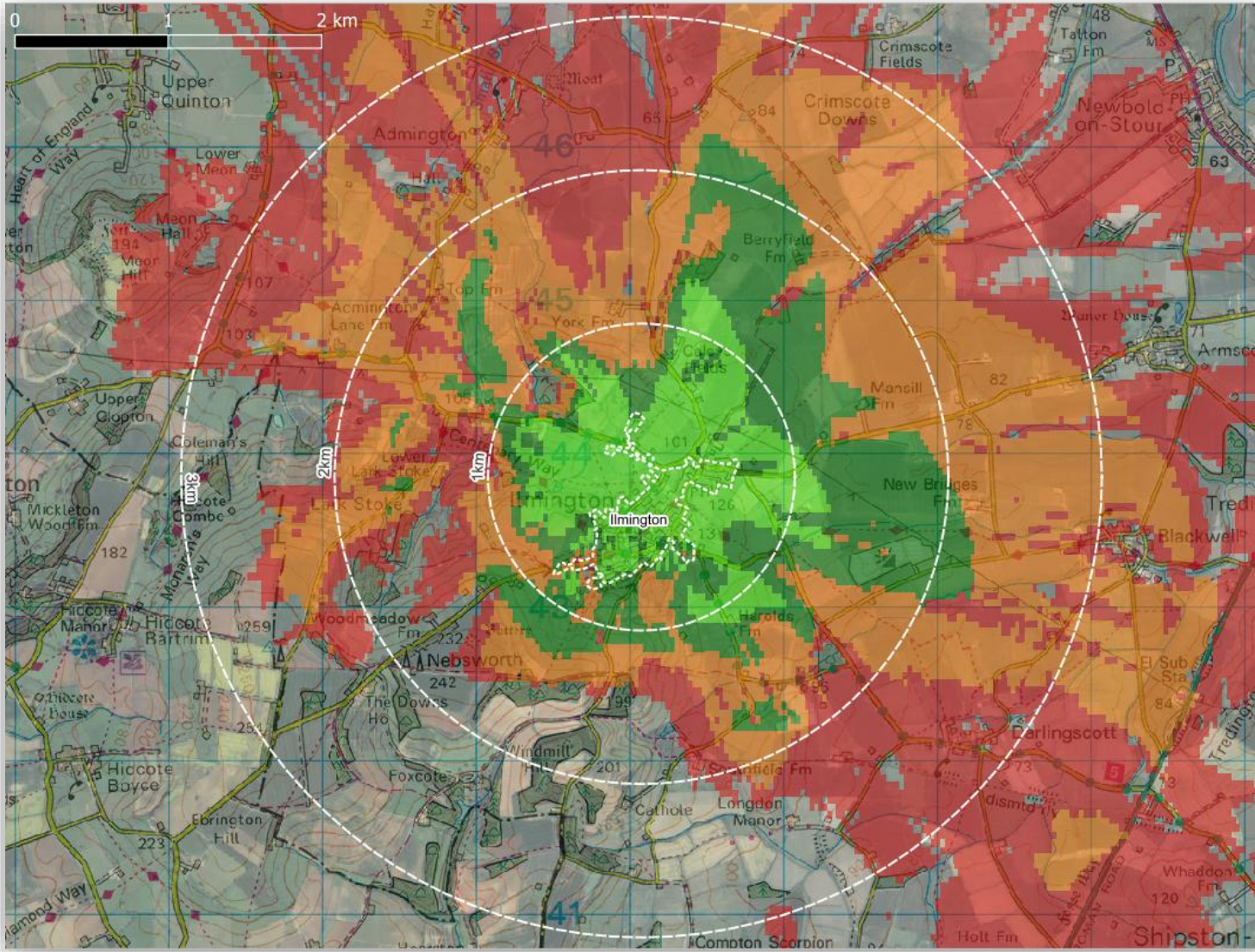
CV36-02 Ilmington: Predicted Coverage (option 10)



A potential site to the west of the village would provide good coverage to Ilmington and its surroundings.

Landowners have not yet been contacted. Locations are indicative only.

CV36-02 Ilmington: Predicted Coverage (option 11)



A potential site in the west of the village would provide good coverage to Ilmington and its surroundings.

Landowners have not yet been contacted. Locations are indicative only.

CV36-02 Ilmington: Photomontage (Viewpoint from Back Street)



CV36-02 Ilmington
Option 11
Viewpoint 1



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CV36-02 Ilmington: Photomontage (Viewpoint from Mickleton Road)



CV36-02 Ilmington
Option 11
Viewpoint 2



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High-level process and next steps

1. Parish council discuss proposal internally (establish quality of mobile phone reception)
2. Visit potential sites to carry out a feasibility survey, following a positive response from a site provider
3. Agree Heads of Terms (HOTs) with the site provider/agent
4. Produce general arrangement drawings
5. Pre consultation starts and lease negotiations begin between solicitors
6. A planning application is submitted, following a positive pre consultation

Support from the Parish Council is essential to take the process forward.

Atlas welcome all feedback on the proposal.

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