Appendix 14.3
LiDAR Report

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Comhairle Cathrach & Contae Luimnigh Limerick City & County Council
RPS AECOM

Foynes-Limerick Road Improvement Scheme
LiDAR assessment

Undertaken on behalf of TII Ireland

Dr Stephen Davis
UCD School of Archaeology
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Non-Technical summary

This report provides analysis of an area of lidar (Light Detection and Ranging) data captured in advance of the construction of the Foynes-Limerick road scheme and comprising a linear distance of c. 34 km, with a data capture width of 1 km. Using multiple visualisations, previously recorded SMR/RMP entries and scheme constraints were examined according to a pre-determined grid, and new potential archaeological features identified. These were assigned confidence scores from 1 (strong possibility of the feature being archaeological) to 3 (weak possibility of the feature being archaeological). Additionally, confidence scores of 0 (no trace of site remains) and 4 (site not suitable for comment – e.g. buildings) were assigned. In this way 140 new potential sites were identified in addition to the 158 previously recorded, a potential increase of almost 90%.

Areas considered of high archaeologicical potential have been highlighted, based upon clusters of monuments and archaeological features as well as on the Geological Survey of Ireland Quaternary dataset. The proposed road scheme passes through a number of areas of lake sediment, peatland and alluvium, all of which are likely to be of archaeological potential.

A series of appendices list all sites, both newly identified and pre-existing, provide a comprehensive grid-by-grid image catalogue and a brief description of what is present in each grid.

Introduction

This report outlines the querying of an area of lidar data for potential heritage assets along a c. 34 km stretch of road corridor in Co. Limerick, captured in advance of the Foynes to Limerick Road Improvement Scheme (Fig. 1).

Lidar (Light Detection and Ranging) or ALS (Airborne Laser Scan) data are airborne survey data – distance measurements captured using a time of flight laser scanner mounted on an aircraft and tightly controlled spatially using a combination of differential GPS and Inertial Measurement Unit (the latter to counteract movement of the aircraft in flight). These are expressed as elevation data and comprise millions of x,y,z points which are usually interpolated to create a surface – a Digital Elevation Model or DEM. The first surface struck by each laser pulse is usually the vegetation canopy – a model made from these 'first returns' is called a Digital Surface Model (DSM). Conversely the last return made from each laser pulse often represents the ground; a model made from these last returns is known as a Digital Terrain Model (DTM) or 'bare earth model' and is usually the desired product for archaeological prospection. Lidar data can only identify features with upstanding topographic expression so can only ever be one of a suite of methods used in archaeological prospection.

The density of measurements depends upon a range of factors, both logistical and also practical, with point spacing usually ranging between one point per $2m^2$ to over 50 points per square metre. At higher point density ('posting') the number of ground points, even beneath dense vegetation can be increased, allowing virtual removal of vegetation and identification of archaeological features beneath it. The current dataset was captured at an average point density of 16 points per metre and filtered (i.e. the vegetation removed) using the commercial software package TerraScan by Bluesky Ireland who flew the data. This was provided as a Digital Terrain Model gridded 0.5 m (i.e. four points per metre). While it is possible to work with the full 16 point per metre dataset, this would add little additional value: the value of additional resolution is primarily at the data capture stage where increased resolution = better vegetation penetration. In the current survey this is very clearly demonstrated: many of the ringforts recorded here are beneath dense vegetation, and data capture at less than that undertaken would have produced very poor results.

As lidar data represent elevation alone they require additional visualisation methods to maximise their potential. These are increasingly diverse and no one method alone is ideal. As such, a range of methods should be utilised in any such study (Crutchley 2010; Challis et al. 2011).

- Single Direction Hillshading represents the simplest visualisation of all, lighting the surface from an azimuth (light direction) and elevation of the operator's choosing. The elevation value is usually kept low (10 degrees) to maximise the potential of identifying very low profile earthworks, while the azimuth is varied. The main weakness of this approach is that some features will be visible from one azimuth but invisible from another.
- Multi-direction hillshading attempts to overcome the weakness of conventional hillshading by producing a composite image of a number of (often 16) hillshades. This eliminates issues of features 'vanishing' from certain azimuths; however, some subtle features can be 'washed out' using this method alone.
- SkyView Factor (Zakšek et al. 2011) assesses the visibility of sky from each pixel within the elevation dataset, assigning a value between 0 (no sky visible) and 1 (all sky visible). This is

particularly valuable in highlighting abrupt changes in elevation where adjacent pixels can go from very low to very high number (e.g. walls or sharp-edged pits). It is ineffectual in the case of low, subtle earthworks as the variation in how much sky is visible is negligible.

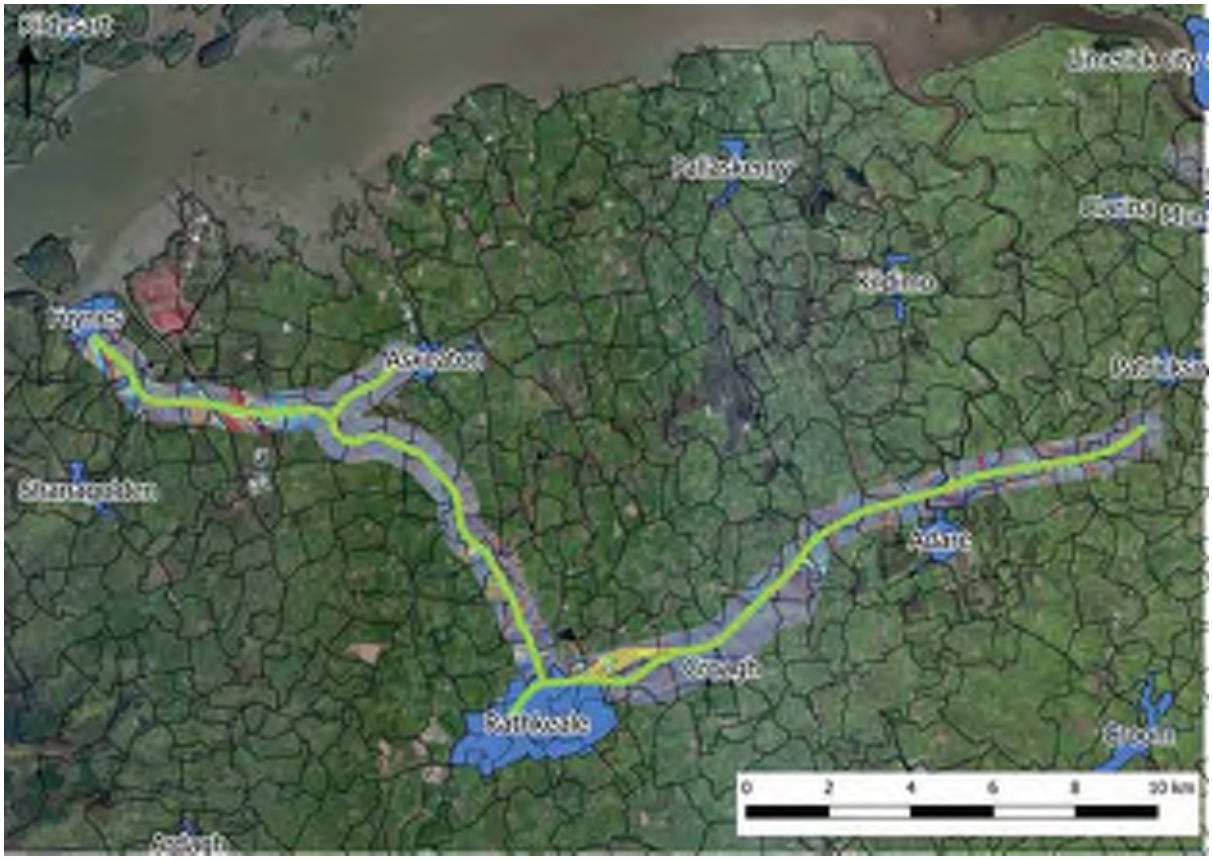

Fig. 1. Road corridor from Foynes to Limerick. 100 m route corridor marked in green. Area of lidar capture shown as 16-direction hillshade, urban centres in blue.

- Local Relief Modelling (trend removal – cf. Hesse 2010). Given that archaeological features essentially represent deviation from the underlying topographic trend, it is possible to enhance them by looking at this deviation. There are a number of trend removal methods which essentially work along the same lines: the DEM is smoothed to produce an underlying trend raster. This is then subtracted from the original, unsmoothed surface providing a map of deviation from the underlying topography. Trend removal methods are especially useful in areas with significant topographic variation in that they remove the 'shadow' issues which can be problematic hillshading/SkyView factor. By convention the trend surface is displayed using a blue (low relief) to red (high relief) colour ramp.

Using the package RVT (Relief Visualisation Toolbox v. 1.3 - http://iaps.zrc-sazu.si/en/rvt#v) all of these visualisations can be batch-processed ready for incorporation into a GIS.

Frequently the best results can be achieved using a combination of methods and transparencies. All of the images included in this report are combinations of either 16-direction hillshade or SkyView

Factor overlain with a semi-transparent trend surface (60% transparency). This is felt to provide the greatest level of visible detail. Parameters used are as follows:

- SkyView Factor. Calculated using default settings in RVT (16 search directions, 10 pixel radius). Minimum/maximum between 0.94-0.99
- 16-direction hillshade. Calculated using default settings in RVT with the exception of elevation set to 20 degrees.
- Simple LRM. Calculated using default settings in RVT (20 pixel trend assessment). Displayed at a transparency of between 60 and 70% as considered appropriate.

Profile images were created using GlobalMapper v.13.2. Where dimensions of an enclosure are stated these are internal – from inner edge of bank to inner edge.

All analyses have been undertaken using the open-source package QGIS2.18.6. All tiled data (including aerial imagery and 6 inch mapping) have been compiled into Virtual Raster catalogues (.vrt files), essentially treating them as single large raster files from the perspective of colour ramps etc. It should be noted that there are slight inconsistencies within some of these data sourced: the 6 inch mapping has some small gaps between tiles, a feature of the legacy dataset, and the lidar data appear to have been acquired over a short time window, meaning that one or two tiles have a slightly different appearance. This does not impact on their utility for prospection.

A 1 km grid was placed over the dataset, resulting in 76 grid squares. Each of these has been assessed using the range of visualisations discussed above with the exception of a single-direction hillshade, as this adds little value beyond the combination of LRM + SVF + 16 direction hillshade. A point-based shapefile was created to include

- Code number by grid;
- SMR/RMP/RPS/NIAH no. (if relevant)
- Scheme constraint number (if relevant)
- ITM co-ordinates;
- Barony;
- Townland;
- Civil Parish;
- Grid (i.e. which arbitrary grid square the site resides in)
- Corridor (i.e. whether it lies within the 100m corridor)
- Site dimensions (where appropriate)
- Degree of confidence on a three point scale, with 1 = Highly likely to be archaeologically significant to 3 = Possibly of archaeological significance. In the case of previously recorded sites the confidence scale has been expanded to include 0 = sites which have no topographic signature or have been destroyed and 4 = sites for which these data provide no additional useful information (e.g. upstanding buildings).

The shapefiles were also spatially cross-referenced with previously assigned Built Heritage (BH), Cultural Heritage (CH) and Demesne (DL) categories, so within the shapefile each point can be queried as to whether it lies within any of these areas

Within this report a number of categories of site will be used, some very broad, some much more descriptive. These include:

- Field system: An organised grouping of former field boundaries. In some cases these may represent deserted settlement
- Deserted settlement: A more organised grouping of field boundaries, with some signs of nucleation and possibly buildings
- Settlement cluster: A small group of enclosures perhaps relating to one or two farmsteads.
- Enclosure: The broadest category, encompassing everything from barrows to moated sites. Where the character of the enclosure is more suggestive a sub-classification will be suggested
- Ringfort: Small enclosures (25-40 m), in particular those with external ditches are most likely to belong in this category.
- Mound: Mounds, unless they are large ones, are one of the least satisfactory elements of lidar-based prospection. Modern mounds within agricultural land are frequent and difficult to discern from the archaeological.
- Platform: Often raised, rectangular areas, likely to represent demolished and levelled building remains.

The distinction between these categories is often a matter of personal experience with such datasets. This is also the case with the existing RMP data. As such there is a degree of fluidity, especially between the ringfort and enclosure classes.

Physical character of the area

The road corridor stretches from what are essentially estuarine deposits to the west, through an area of outcropping limestone, with the majority of the corridor lying on glacial sediments, especially limestone-derived tills (Fig. 2). Rock outcrops in a number of locations, and there are some patches of alluvium also, in particular the area north of Adare. There are several areas of peat and lake sediment impacted by the road corridor; these must be regarded as areas of high archaeological potential, especially given the number of fulachtaí fia encountered in such landscapes during the construction of the Bord Gáis Pipeline to the West (cf. Grogan et al. 2007). While in the case of lake sediments the shoreline might be a particular focus, without better understanding the history of terrestrialisation it is possible that these remained as low-lying wet areas for many hundreds or even thousands of years. In particular three areas are worthy of note:

- The area immediately north of Rathkeale (Fig. 3; 4)
- The low-lying area of marl in Feenagh/Nantan townlands (Fig. 5)
- The area of cut peat at Ballybronoge South (Fig. 6)

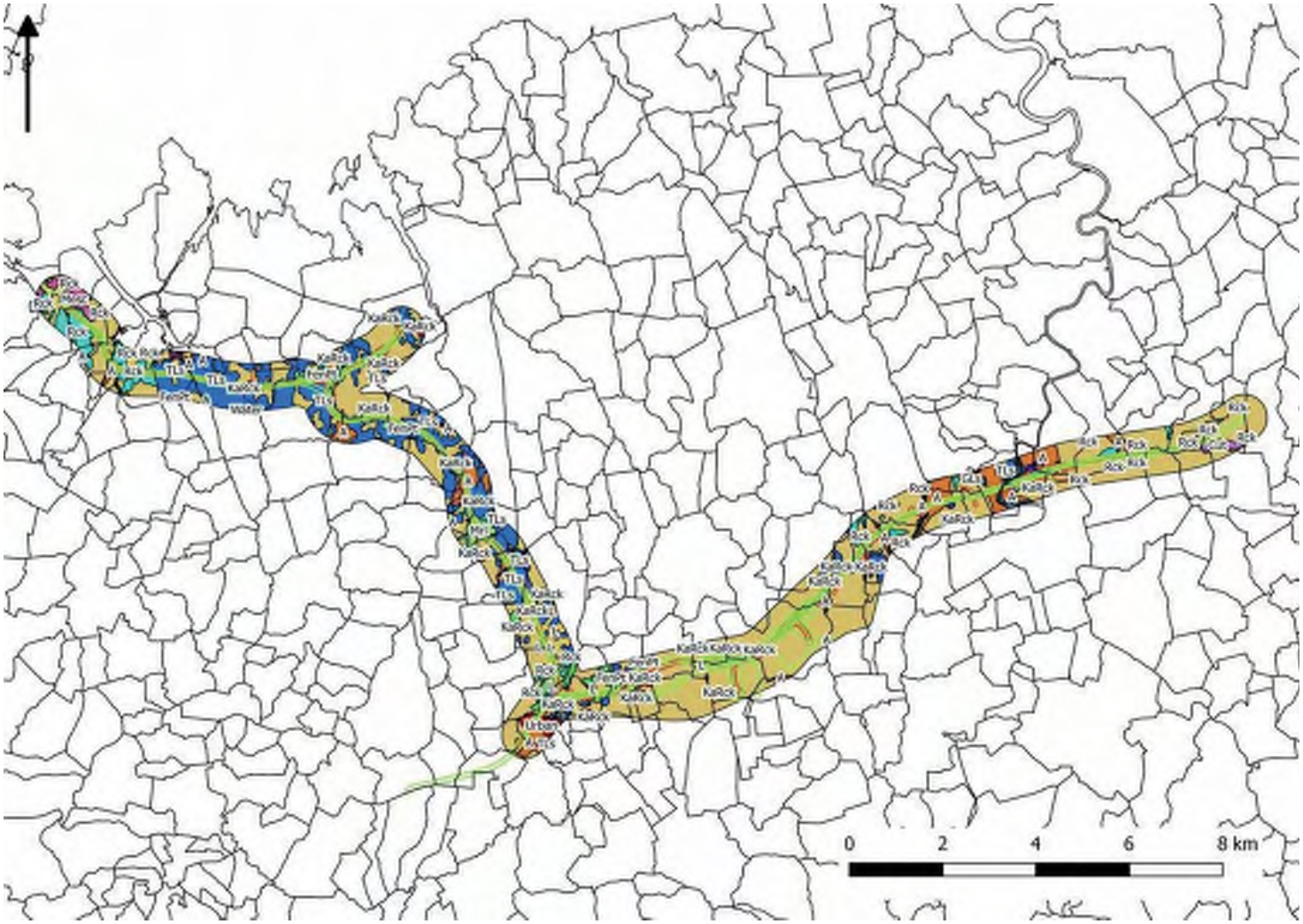

Fig. 2. Quaternary stratigraphy overview of proposed corridor (GSI Quaternary Data) overlain on townland boundaries for Co. Limerick.

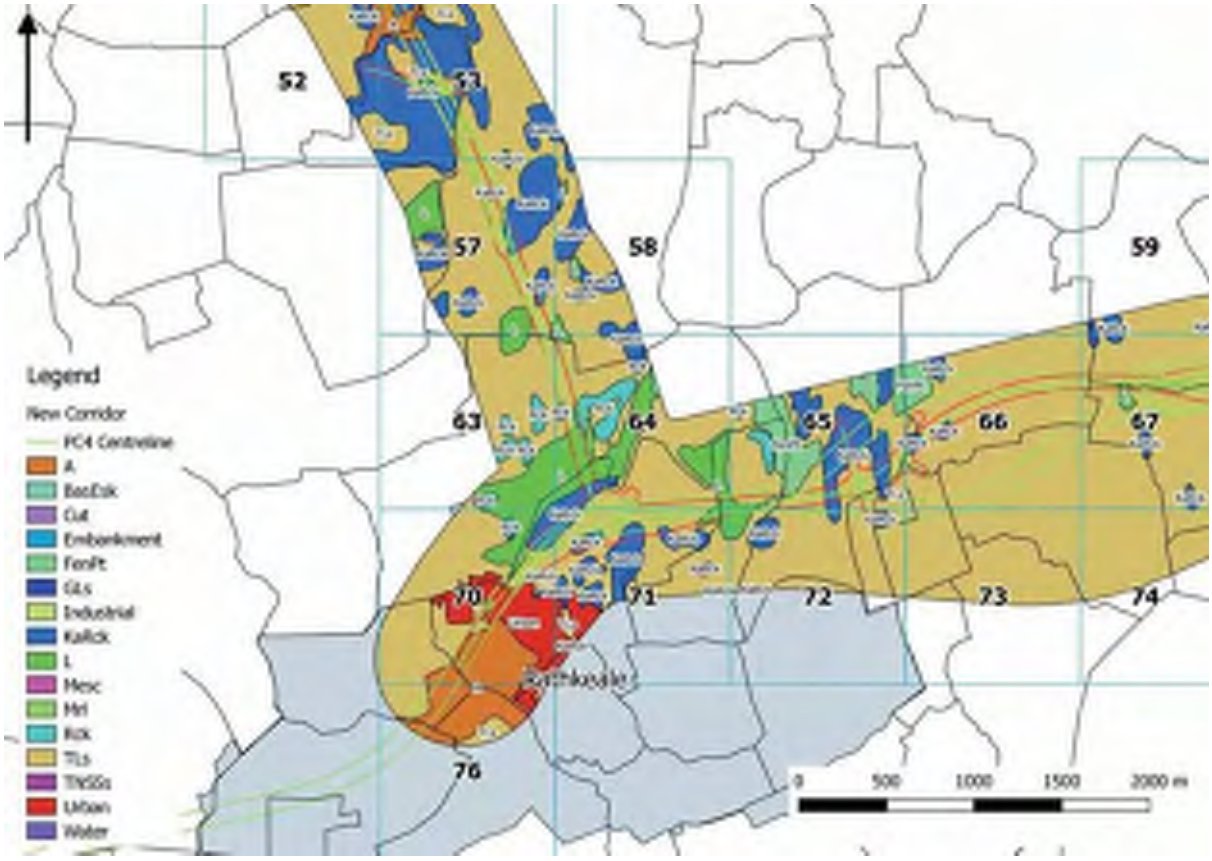

Fig. 3. Lake and peat deposits in Rathkeale area. GSI Quaternary data.
Key: **A** = Alluvium undifferentiated; **BasEsk** = Basic esker sands and gravels; **Cut** = Cut peat; **Embankment** = Embankment; **FenPt** = Fen peat; **GLs** = Limestone sands and gravels (Carboniferous); **Industrial** = Industrial; **KaRck** = Karstified limestone bedrock at surface; **L** = Lake sediments; **Mesc** = Estuarine sediments (silts/clays); **Mrl** = Marl; **Rck** = Bedrock at surface; **TLs** = Limestone till (Carboniferous); **TNSSs** = Shales and sandstones till (Namurian); **Urban** = Urban; **Water** = Water.

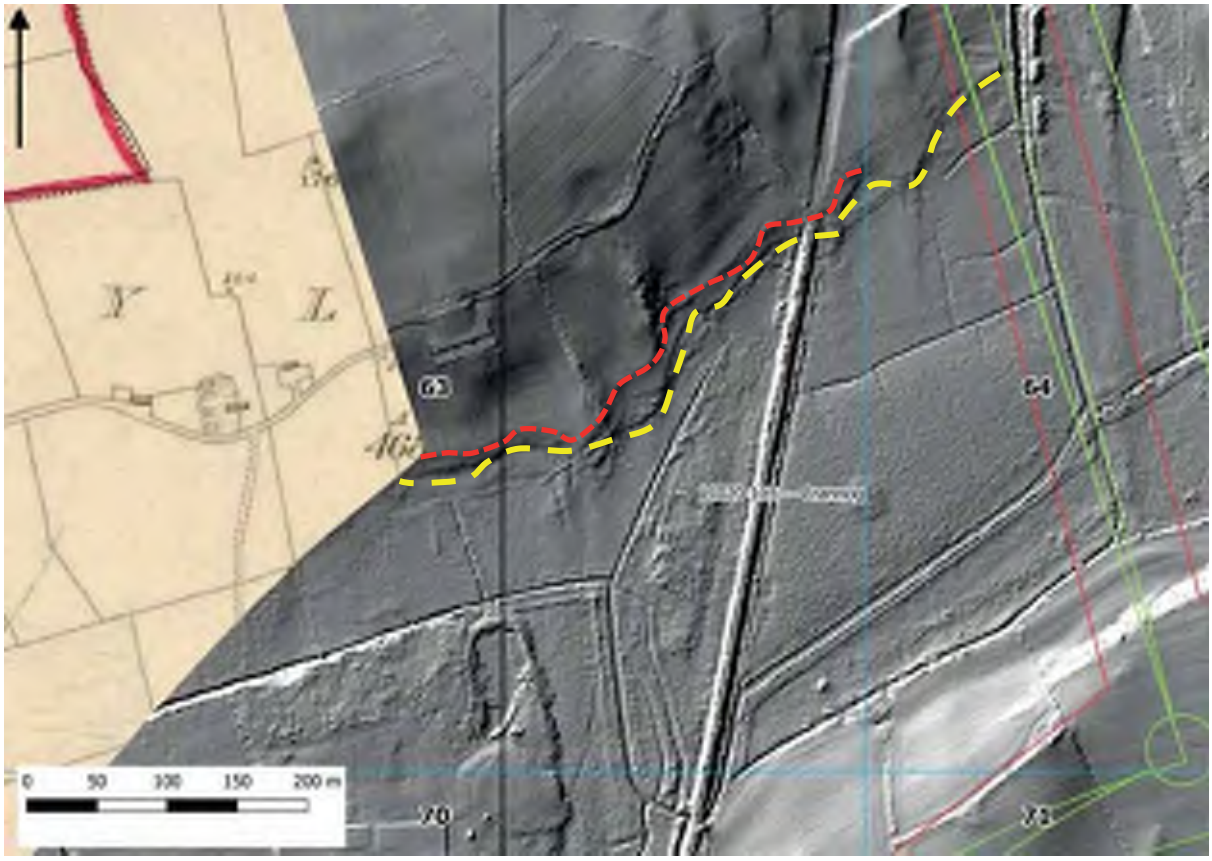

Fig. 4. Palaeo-lakeshores at Rathkeale. 16-direction hillshade overlain on 6-inch mapping.

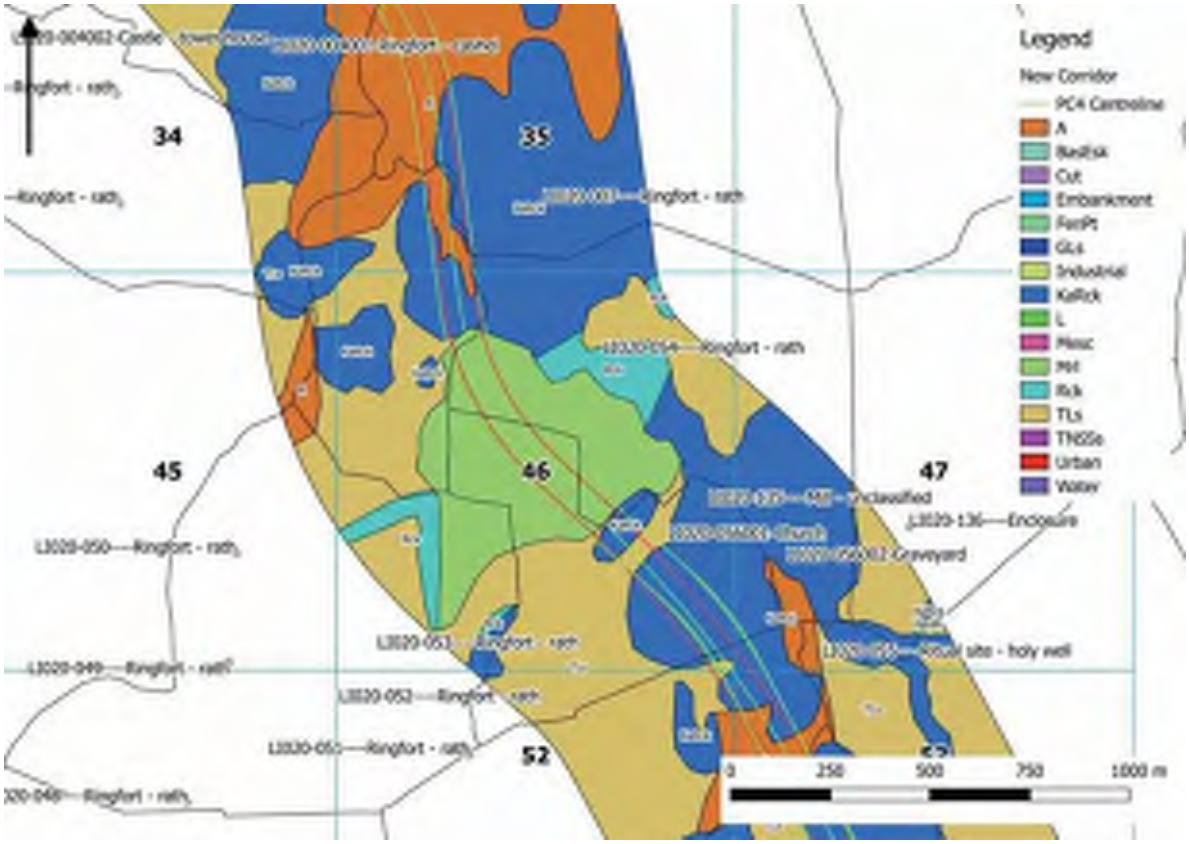

Fig. 5. Marl deposit (i.e. former lake) at Feenagh/Nantinan. GSI Quaternary data.
Key: **A** = Alluvium undifferentiated; **BasEsk** = Basic esker sands and gravels; **Cut** = Cut peat; **Embankment** = Embankment; **FenPt** = Fen peat; **GLs** = Limestone sands and gravels (Carboniferous); **Industrial** = Industrial; **KaRck** = Karstified limestone bedrock at surface; **L** = Lake sediments; **Mesc** = Estuarine sediments (silts/clays); **Mrl** = Marl; **Rck** = Bedrock at surface; **TLs** = Limestone till (Carboniferous); **TNSSs** = Shales and sandstones till (Namurian); **Urban** = Urban; **Water** = Water.

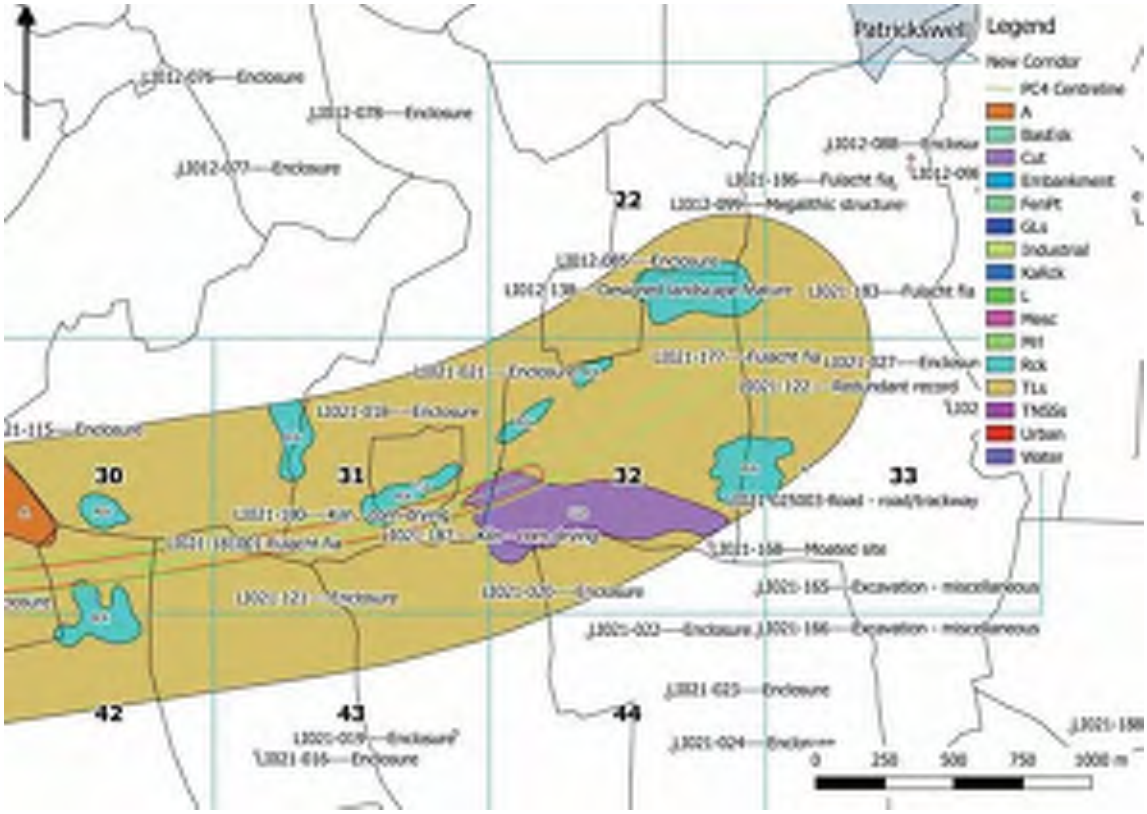

Fig. 6. Cut peat deposit at Ballybronoge South. GSI Quaternary data.
Key: **A** = Alluvium undifferentiated; **BasEsk** = Basic esker sands and gravels; **Cut** = Cut peat; **Embankment** = Embankment; **FenPt** = Fen peat; **GLs** = Limestone sands and gravels (Carboniferous); **Industrial** = Industrial; **KaRck** = Karstified limestone bedrock at surface; **L** = Lake sediments; **Mesc** = Estuarine sediments (silts/clays); **Mrl** = Marl; **Rck** = Bedrock at surface; **TLs** = Limestone till (Carboniferous); **TNSSs** = Shales and sandstones till (Namurian); **Urban** = Urban; **Water** = Water.

Recorded archaeology and new survey

There are 158 recorded monuments (including 5 redundant records) within the proposed 1 km route corridor (Fig. 7; Table 1). These are dominated by early medieval sites, including 40 ringforts, 4 cashels, and one crannóg. A number of the 34 recorded enclosures are likely to be additional ringforts. Bronze Age activity is also well-represented in the area, with 21 fulachtaí fia, 2 burnt mounds and 2 standing stones recorded. Later medieval activity is represented by tower houses (3) and unclassified castles (2), with some industrial features (4 mills). There is no obvious indication of Neolithic presence in the area, although the possibility remains that some of the enclosures could be prehistoric in nature.

A similar distribution is also reflected in the 'new' sites (Fig. 8; Table 2).

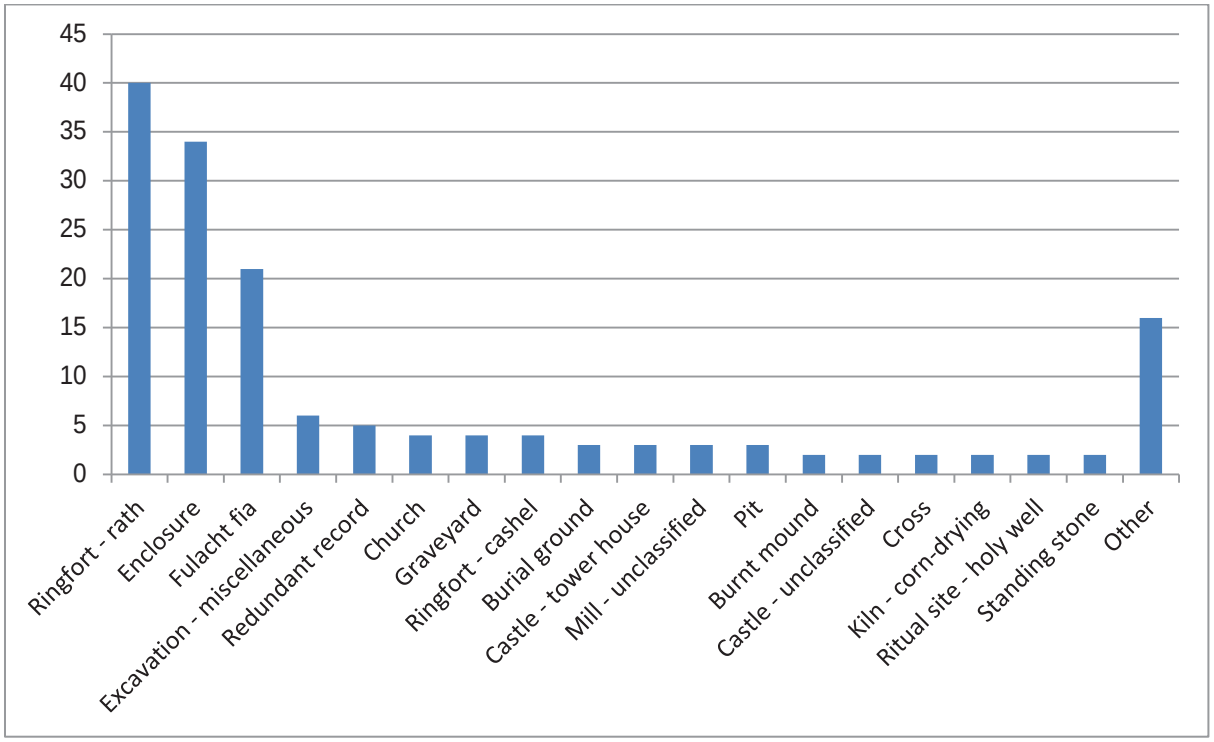

Fig. 7. Previously recorded monuments within the proposed corridor

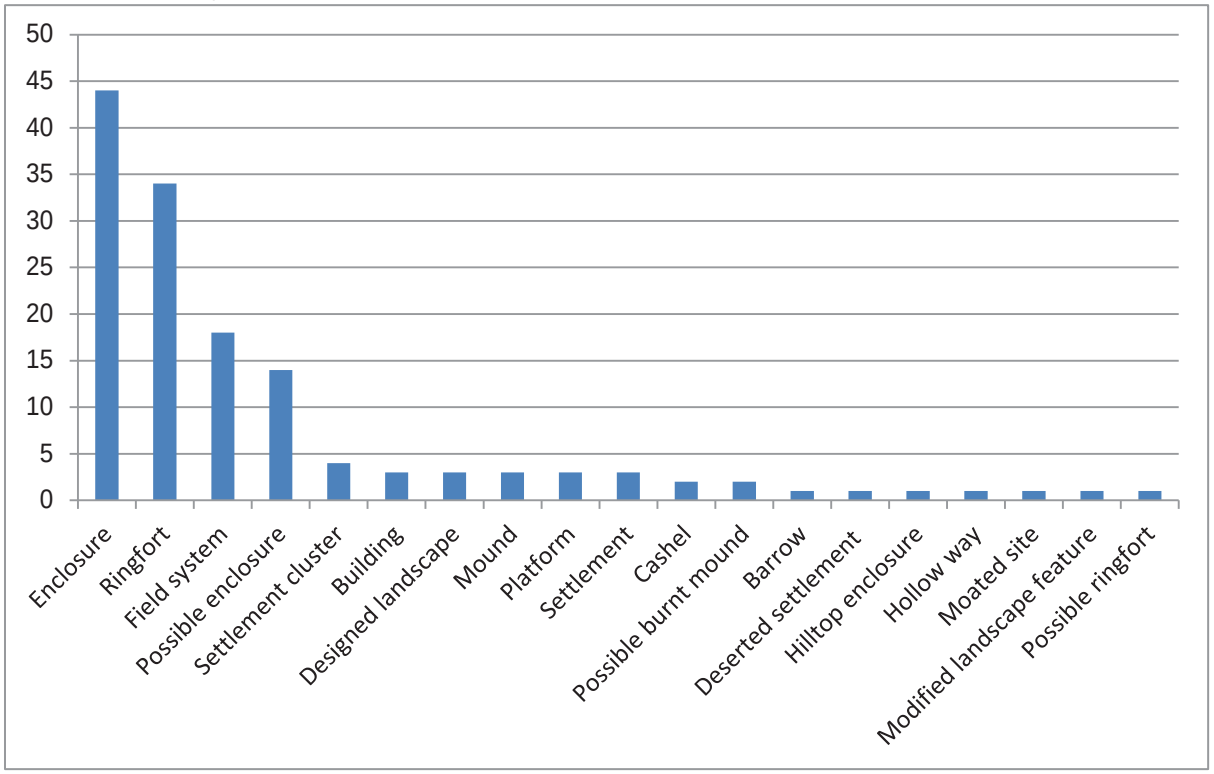

Fig. 8. Newly identified 'Potential Archaeological Features' within the 1km route corridor.

140 new potential features have been recorded within the area of data provided. These are dominated by enclosures (44) and ringforts (34). 69 of the potential sites identified are considered to be strong candidates, 49 moderate candidates and 22 only weak candidate sites. It is likely that the

Bronze Age component is under-represented here as the most common recorded site type, fulachtaí fia, are generally difficult to spot from lidar data owing to their small size. As in any survey of this type there features identified are only of potential archaeological interest and require further archaeological investigation to ascertain their significance. Also, given that lidar is only useful in the identification of sites with topographic expression, there are likely to be many sites which are not identified during the current survey.

Table 1. Sites listed on the Sites and Monuments Record (SMR) and/or Record of Monuments and Places (RMP) within the 1 km corridor

Class	Count
Ringfort - rath	40
Enclosure	34
Fulacht fia	21
Excavation - miscellaneous	6
Redundant record	5
Church	4
Graveyard	4
Ringfort - cashel	4
Burial ground	3
Castle - tower house	3
Mill - unclassified	3
Pit	3
Burnt mound	2
Castle - unclassified	2
Cross	2
Kiln - corn-drying	2
Ritual site - holy well	2
Standing stone	2
Bridge	1
Burial	1
Castle - hall-house	1
Chapel	1
Crannog	1
Designed landscape feature	1
Hearth	1
Historic town	1
Mill - corn	1
Moated site	1
Ring-ditch	1
Road - gravel/stone trackway - peatland	1
Road - road/trackway	1
Road - unclassified togher	1
Settlement deserted - medieval	1
Souterrain	1

Table 2. Potential archaeological features identified within the 1km route corridor

Class	Count
Enclosure	44
Ringfort	34
Field system	18
Possible enclosure	14
Settlement cluster	4
Building	3
Designed landscape	3
Mound	3
Platform	3
Settlement	3
Cashel	2
Possible burnt mound	2
Barrow	1
Deserted settlement	1
Hilltop enclosure	1
Hollow way	1
Moated site	1
Modified landscape feature	1
Possible ringfort	1

Sites impacted by the 100 m road corridor

A total of 49 sites have been recorded within the 100 m lidar corridor. These comprise 26 previously recorded sites and 23 newly identified potential features (Table 3). Of the 25 previously identified sites 2 are designated as 'redundant records', 10 present no remaining topographic signature (but may be preserved as sub-surface remains), 8 comprise sites excavated in previous infrastructural projects and one is reported as of no archaeological significance. In the 'Archaeological Heritage' layer supplied with the data, the standing stone LI020-156---- appears to lie within the road corridor. However, inspection of the RMP reveals that this is marked in wrong place on the data provided.

A single NIAH site, the railway station at Rathkeale (NIAH Registration number 21831013), currently the Palatine Heritage Centre

http://www.buildingsofireland.ie/niah/search.jsp?type=record&county=LC&regno=21831013

32 Previously identified Cultural Heritage (CH) constraints, 5 Built Heritage (BH) constraints and 9 Demesne (DL) constraints are also impacted by the corridor to a greater or lesser degree (see Table 4). The majority of these have no overlap with sites identified in the lidar survey; however, in some cases the lidar survey has better defined the extent of the asset (CH4; CH7) or demonstrate the extent of archaeological remains within the impacted demesnes (e.g. DL12). These are included

within the image database and labelled with their respective constraint identifiers. Confidence scores have been assigned to these also, following the same criteria outlined above.

Of the 23 newly identified sites within the 100 m corridor, 10 are considered strong candidates, 3 of which are classified as ringforts, 2 as enclosures, 3 as field systems with one each as hilltop enclosure and moated site. A further 7 are classified as moderate candidates (with the exception of one settlement these are all ringforts or enclosures) with the remaining 6 as weak candidates. Overall 15 potential new ringforts or enclosures have been identified within the 100 m corridor (including one moated site and one hilltop enclosure), 6 settlements or associated field systems and one mound.

Table 3. Sites and potential sites impacted by the 100 m road corridor. CH = Cultural Heritage constraint; BH = Built Heritage constraint; DL = Demesne constraint. Confidence scale: 0 = Site not visible/destroyed; 1 = high confidence; 2 = medium confidence; 3 = low confidence; 4 = not appropriate for comment using these data.

Easting	Northing	Site Type	CODE/SMR	Townland	Barony	PARISH	CH/BH/DL	AH No.	Grid	Brief Description	Confidence
526248	650412	Field system	5.4	Ardaneer	Shanid	Shanagolden	CH4		5	Extensive and potentially significant field system, perhaps associated with LI010-012 and extending as far as LI010-010 and LI010-011. c. 475 x 423 m	1
526694	650012	Ringfort	6.2	Sroolane North	Shanid	Robertstown			6	Low profile ringfort, apparently truncated to west, probably by field boundary evident in 6-inch mapping. Diameter c. 35.4 m	2
531886	649579	Possible enclosure	11.1	Ballycullen	Connello Lower	Lismakeery			11	Possible oval enclosure, 36 m NW-SE, 22 m SW-NE.	2
532169	649745	Enclosure	11.2	Ballycullen	Connello Lower	Lismakeery			11	Possible ringfort, defined by curving bank to the NW. Truncated to SE. c. 32.6 m diameter.	1
532739	649936	Settlement cluster	12.2	Cloonreask	Connello Lower	Askeaton			12	Possible settlement cluster defined by two rectangular enclosures, and a third possibly truncated to SW. 66 x 49 m	3
527197	649534	Enclosure	14.3	Robertstown	Shanid	Robertstown			14	Small enclosure, one of a pair. c. 23.6 m diameter. Probable ringfort	1
527182	649444	Enclosure	14.4	Robertstown	Shanid	Robertstown			14	Pair to 14.3 which is c. 100 m to the north. Small enclosure, 21 m diameter. Probable ringfort.	1
527661	649511	Ringfort	15.2	Robertstown	Shanid	Robertstown			15	Ringfort, truncated to NW and associated with the extensive field system 15.3. c. 25 m diameter	1
527702	649429	Field system	15.3	Robertstown	Shanid	Robertstown	CH43		15	Extensive field system associated with at least one early medieval enclosure (probably more). 370 x 190 m	1

Easting	Northing	Site Type	CODE/SMR	Townland	Barony	PARISH	CH/BH/DL	AH No.	Grid	Brief Description	Confidence
528353	649353	Hilltop enclosure	16.3	Rincullia	Shanid	Robertstown	CH6		16	Large D-shaped enclosure, flattened to N, 60 m N-S, 50 m E-W. Associated with field boundaries but impossible to define order of construction without ground survey.	1
530409	649242	Possible enclosure	18.2	Ballyclogh (Ed Askeaton West)	Shanid	Lismakeery			18	Possible enclosure/farmstead, 39 m diameter. May be part of a ringfort.	3
530862	649064	Field system	18.5	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery			18	Series of probable field boundaries extending northwards from 18.3. Northern extent may be within 100 m corridor. 577 x 438 m	1
531363	649048	Field system	19.1	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery			19	Series of rectangular plots along road; possible deserted medieval settlement. 101 x 39 m	3
531479	649163	Ringfort	19.4	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	CH13		19	Small enclosure, probable ringfort associated with 19.1 and 19.2, c. 26.5 x 25.5 m diameter	1
550056	647864	Enclosure	31.2	Gorteen (Ed Clarina)	Pubblebrien	Croom			31	Trapezoidal enclosure, approx. 38 x 31 m. Possible moated site.	1
544772	646708	Enclosure	38.1	Kilknockan	Kenry	Adare			38	Possible enclosure. Curving bank to north with some disruption to south. 45 m diameter	2
544882	646801	Moated site	38.2	Kilknockan	Kenry	Adare			38	Large moated site. 54 x 43m to exterior of ditches.	1
545587	646846	Settlement	39.1	Islandea	Coshma	Adare			39	Row of settlement plots along present field boundary (c. 212 x 48 m)	2
544092	646549	Ringfort	49.3	Tuogh (Ed Adare North)	Kenry	Adare			49	Enclosure and associated field system. Central enclosure sub-rectangular but likely to be a ringfort, c. 21 m diameter	1
544162	646520	Mound	49.4	Tuogh (Ed Adare North)	Kenry	Adare			49	Mound, 10 m diameter. May be natural but in area of underlying low topography	3
535547	644791	Field system	53.2	Graigeen	Connello Lower	Nantinan			53	Associated with LI020-057. Extensive field system with enclosure elements. 409 x 338 m	1
535309	645037	Ringfort	53.5	Graigeen	Connello Lower	Nantinan			53	Small ringfort under heavy forestry. 26 m diameter	1
542904	645533	Possible enclosure	55.1	Gortnagrour	Connello Lower	Clonshire			55	Trapezoidal area defined by depression. 38.5 x 24.5 m. Probable quarry	2
535798	644340	Possible enclosure	57.2	Ballingarrane	Connello Lower	Nantinan			57	Possible oval enclosure, truncated to west. 26 x 21 m. Connected to possible building by low spur to NE	3
541598	644256	Settlement cluster	61.2	Croagh	Connello Lower	Croagh	CH157		61	Possible farmstead. Rectangular building platform with associated field systems to NE. 71 x 48 m	3

Easting	Northing	Site Type	CODE/SMR	Townland	Barony	PARISH	CH/BH/DL	AH No.	Grid	Brief Description	Confidence
541487	644111	Enclosure	61.3	Croagh	Connello Lower	Croagh			61	Curvilinear bank, probably SW portion of ringfort. Approx. diameter 21.4 m	2
541640	644085	Enclosure	61.4	Croagh	Connello Lower	Croagh			61	Oval enclosure, 31.8 x 24.8 m. Somewhat irregular - possible quarry	1
539010	642783	Ringfort	66.1	Amogan Beg	Connello Lower	Croagh			66	Circular enclosure, quarried in the north and ploughed out to the NE. 32.3 m diameter	2
538813	642711	Ringfort	66.2	Amogan Beg	Connello Lower	Croagh			66	Small circular enclosure, 26.1 m diameter. Probable ringfort.	2
538973	643256	Possible enclosure	66.4	Clogh West	Connello Lower	Croagh			66	Small circular depression with possible ditch to SW. 19.4 m diameter	3
526226	650035	Ringfort - cashel	LI010-012----	Ardaneer	Shanid	Shanagolden	CH4	1	5	Univallate ringfort, 24 m in diameter. Well-preserved with field systems to NE covering up to 15 ha. RMP places this 13 m south of its actual location. ITM: 526436 ,650290	1
528231	649430	Enclosure	LI010-074----	Rincullia	Shanid	Robertstown		8	15	Roughly circular enclosure, truncated to east, under heavy woodland. 42 m diameter.	1
528802	649319	Ringfort - rath	LI010-081----	Craggs	Shanid	Kilmoylan		9	16	Modern quarry at this location. No visible trace remains of monument.	0
532401	648464	Ringfort - rath	LI019-064----	Lismakeery	Connello Lower	Lismakeery			25	LI019-064. Large, bi- or possibly trivallate ringfort. Outer vallation largely destroyed but remains to N and SE, with traces to SW. Overall diameter to 2nd vallation is 67 m, surrounded by an outer ditch suggesting possible 3rd vallation.	1
534346	647273	Enclosure	LI020-005----	Milltown North	Connello Lower	Lismakeery		87	35	No visible trace remains. Covered by dredging.	0
541677	644522	Ringfort - rath	LI020-088----	Graigue (Connello Lower By., Croagh Ed)	Connello Lower	Clonshire		117	61	Truncated to the east and possibly quarried in the centre. Broad external fosse, 6.2 m across preserved to SW. Internal diameter c. 21 m	1
537231	642621	Redundant record	LI020-115----	Wolfesburgess East	Connello Lower	Rathkeale		111	64	No obvious trace from aerial survey but survey note in RMP suggests there may be dredged material at this location.	4
538614	642547	Enclosure	LI020-116----	Amogan Beg	Connello Lower	Croagh		113	73	No obvious trace from aerial survey.	0
537149	642527	Redundant record	LI020-152----	Rathkeale	Connello Lower	Rathkeale		123	71	RMP reports no archaeological significance	4
533248	648355	Fulacht fia	LI020-163001-	Baunreagh	Connello Lower	Askeaton		83	25	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0741). No visible trace remains	4

Easting	Northing	Site Type	CODE/SMR	Townland	Barony	PARISH	CH/BH/DL	AH No.	Grid	Brief Description	Confidence
533248	648355	Excavation - miscellaneous	LI020-163002-	Baunreagh	Connello Lower	Askeaton		83	25	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0741). No visible trace remains	4
543866	646407	Ringfort - rath	LI021-005----	Tuogh (Kenry By.)	Kenry	Adare		109	49	Oval ringfort under heavy woodland. Well preserved to south but has been cut for field access to north. 29 x 25 m	1
546322	647176	Enclosure	LI021-010----	Ardshanbally	Coshma	Adare		58	40	Probable ringfort. Removed by railway construction. Original diameter 13 m	0
547207	647332	Enclosure	LI021-011001-	Mondellihy	Coshma	Adare		62	40	Southern of two conjoined enclosures. Probable ringfort, 30 m diameter. Both monuments currently quite denuded.	1
547205	647362	Enclosure	LI021-011002-	Mondellihy	Coshma	Adare		62	40	Northern of two conjoined enclosures. Probable ringfort, 29 m diameter.	1
548792	647626	Enclosure	LI021-015----	Rineroe	Coshma	Adare		72	31	Probable ringfort. Located 40 m NW of RMP location. 36.5 m diameter central platform surrounded by shallow fosse.	2
549915	647866	Moated site	LI021-017----	Gorteen (Pubblebrien By.)	Pubblebrien	Croom		72	31	Marked as moated site but apparent ringfort on 6-inch series, 33.7 m diameter. No surviving trace but moated site may refer to enclosure 11.2 to the east	3
546602	647346	Enclosure	LI021-143----	Ardshanbally	Coshma	Adare		60	40	Substantial modification makes it difficult to determine condition of monument.	0
546812	647336	Enclosure	LI021-144----	Ardshanbally	Coshma	Adare		61	40	No suggestion of enclosure in 6-inch series or aerial surveys.	0
547619	647521	Enclosure	LI021-146----	Kilgobbin	Coshma	Adare		64	41	No indication of enclosure in 6-inch mapping or lidar survey	0
547752	647516	Enclosure	LI021-147001-	Kilgobbin	Coshma	Adare		65	41	No visible trace remains.	0
547752	647576	Enclosure	LI021-147002-	Kilgobbin	Coshma	Adare		65	29	No visible trace remains.	0
548522	647636	Enclosure	LI021-148----	Kilgobbin	Coshma	Adare		67	30	No suggestion in early mapping and no trace in aerial survey.	0
546302	647066	Enclosure	LI021-149--	Ardshanbally	Coshma	Adare		57	40	No visible trace remains	0
551061	648446	Ring-ditch	LI021-167----	Ballybronoge South	Pubblebrien	Killonahan		75	32	Excavated as part of N20/N21 road improvement scheme (98E0506)	4
546511	647300	Fulacht fia	LI021-173----	Ardshanbally	Coshma	Adare		59	40	Excavated in advance of infrastructural works (no record on excavations.ie)	4
549918	647908	Kiln - corn-drying	LI021-180----	Gorteen (Pubblebrien By.)	Pubblebrien	Croom		72	31	Excavated as part of N20/N21 road improvement scheme (98E0506)	4
549561	647846	Fulacht fia	LI021-181001-	Ballycarrane	Pubblebrien	Croom	DL17	71	31	Excavated in advance of infrastructural works (no record on excavations.ie)	4

Easting	Northing	Site Type	CODE/SMR	Townland	Barony	PARISH	CH/BH/DL	AH No.	Grid	Brief Description	Confidence
549561	647846	Fulacht fia	LI021-181002-	Ballycarrane	Pubblebrien	Croom	DL17	71	31	Excavated in advance of infrastructural works (no record on excavations.ie)	4
549870	647855	Kiln - corn-drying	LI021-187----	Gorteen (Pubblebrien By.)	Pubblebrien	Croom	DL17		31	Excavated as part of N20/N21 road improvement scheme (98E0506)	4

Table 4. Previously recorded constraints (CH, BH or DL) impacted by the 100 m road corridor. The Easting and Northing here represent centroids of the polygons supplied. * denotes that the centroid lies beyond the grid system implemented and the nearest grid square is stated. Confidence scale: 0 = Site not visible/destroyed; 1 = high confidence; 2 = medium confidence; 3 = low confidence; 4 = not appropriate for comment using these data. Where upstanding buildings/remains are described a confidence score of 1 is automatically assigned.

Easting (Centroid)	Northing (Centroid)	Townland	Barony	Parish	CH/BH/DL	Grid	Brief Description	Confidence
526323	650274	Ardaneer	Shanid	Shanagolden	CH4	6	Relic Field system	1
526960	649629	Robertstown	Shanid	Shanagolden	CH5	15	Relic field system	0
528343	649340	Rincullia	Shanid	Kilmoylan	CH6	6	Large Circular Enclosure (16.3)	1
528272	649195	Rincullia	Shanid	Shanagolden	CH7	16	Relic field system (containing CH 6) – **Incorporates sites 16.1, 16.2 and 16.3**	1
529736	649269	Mulderricksfield	Shanid	Kilmoylan	CH9	17	Possible circular enclosure	0
531372	649152	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	CH12	19	Possible circular enclosure	0
531453	649173	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	CH13	19	Possible circular enclosure & site of vernacular buildings	2
531896	649583	Ballycullen	Connello Lower	Lismakeery	CH14	11	Vernacular Building, in ruins	2
532060	649705	Milltown North	Connello Lower	Lismakeery	CH15	11	Site of vernacular buildings	3
532587	649962	Cloonreask	Connello Lower	Askeaton	CH16	12	Railway	1
527722	649414	Robertstown	Coshma	Adare	CH43	15	Possible large scale circular enclosure. **Not evident as described, but relates to field system 15.3 and enclosure 15.4**	1
545309	646889	Curraghbridge	Kenry	Adare	CH82	39	Site of vernacular buildings	0
546026	647109	Ardshanbally	Coshma	Adare	CH83	39	Site of quay	0
546096	647067	Ardshanbally	Coshma	Adare	CH84	39	Vernacular building	1
546187	647114	Ardshanbally	Coshma	Adare	CH85	39	Site of limekiln	0
546206	647039	Ardshanbally	Coshma	Adare	CH86	39	Level crossing	1
547500	647552	Mondellihy	Coshma	Adare	CH87	41	Vernacular building	1
547528	647602	Kilgobbin	Coshma	Adare	CH88	29	Level crossing & cottage	1
548122	647728	Kilgobbin	Coshma	Adare	CH90	29	Site of circular enclosure	0

Easting (Centroid)	Northing (Centroid)	Townland	Barony	Parish	CH/BH/DL	Grid	Brief Description	Confidence
548998	647697	Rineroe	Coshma	Adare	CH92	30	Vernacular building	1
550194	647966	Ballycarrane	Pubblebrien	Croom	CH95	31	Site of railway	0
534500	646552	Bullaun	Connello Lower	Nantinan	CH112	46	Vernacular buildings & limekiln	1
536009	644359	Ballingarrane	Connello Lower	Nantinan	CH119	57	Railway (x2 crossings)	1
536032	644103	Ballingarrane	Connello Lower	Nantinan	CH121	57	Level crossing	1
543288	646201	Clonshire Beg	Connello Lower	Adare	CH144	49	Site of mill race	0
543694	646274	Tuogh (Ed Adare North)	Kenry	Adare	CH146	49	Site of vernacular building	0
537395	642669	Rathkeale	Connello Lower	Rathkeale	CH152	65	Vernacular buildings	1
537828	642601	Blossomhill (Ed Rathkeale Rural)	Connello Lower	Rathkeale	CH153	65	Vernacular building	1
541571	644232	Croagh	Connello Lower	Croagh	CH157	61	Site of limekiln	0
542248	644857	Graigue (Ed Croagh)	Connello Lower	Cappagh	CH160	54	Clonshire Bridge	1
546168	647064	Ardshanbally	Coshma	Adare	CH182	39	Railway Cottage	1
541968	644546	Croagh	Connello Lower	Croagh	CH184	61	Early 20th century house	1
530530	649271	Ballyclogh	Connello Lower	Lismakeery	BH3	18	Pill-box	4
531242	649292	Ballyclogh	Connello Lower	Ballyclogh	BH5	18	Pill-box	4
544023	646603	Tuogh	Kenry	Tuogh	BH28	37	Cregaun House	1
540714	643339	Ballycannon	Connello Lower	Ballycannon	BH36	68	Duneeven House	1
541938	644713	Graigue	Connello Lower	Graigue	BH38	54	Castle Farm House[1]	1
530979	648720	Ballyclogh	Connello Lower	Lismakeery	DL1	18	Ballyclogh House Demesne	4
532209	648839	Ballycullen	Connello Lower	Lismakeery	DL8	19	Ballycullen House Demesne	4
535118	644194	Stoneville	Connello Lower	Nantinan	DL12	57*	Stoneville House Demesne	4

Easting (Centroid)	Northing (Centroid)	Townland	Barony	Parish	CH/BH/DL	Grid	Brief Description	Confidence
545027	647438	Curraghbridge	Kenry	Adare	DL15	38	Clonshire Lodge Demesne	4
547199	645576	Adare Des, Boulabally, Copay	Coshma	Adare	DL16	51*	Adare Manor Demesne	4
549692	648006	Ballycarrane	Pubblebrien	Croom	DL17	31	Ballycarrane House Demesne	4
541509	643677	Croagh	Connello Lower	Croagh	DL19	61	Smithfield House Demesne	4
543513	645247	Clonshire Beg	Connello Lower	Clonshire	DL21	56	Clonshire Lodge Demesne	4
550844	648318	Ballybronoge South	Pubblebrien	Killonahan	DL18	32	Un-named Demesne	4

Discussion

Analysis of lidar data from the proposed Foyne-Limerick road scheme has enabled the identification of 140 potential new archaeological features, including 68 strong candidates. Analysis of lidar datasets such as this begins with two questions:

1. Is it archaeology?
2. If it is archaeology, what type of site is it?

Lidar data only records topographic variation, and classification of features relies on the experience and background knowledge of the interpreter. Classification of archaeological features from form alone is problematic, especially in Ireland where circular enclosure was commonplace from the late Neolithic through to at least the early medieval period, covering henges, hillforts, cashels and ringforts. In this sense the most straightforward analysis would list all such features as 'enclosure' and make no attempt at further classification. Given the prevailing archaeology of the study area (early medieval settlement in the form of ringforts) it is likely that many of the enclosures identified fall within this category. It is not always clear from topographic surveys whether sites are ditched internally (i.e. hengiform) or externally (in the manner of ringforts).

In keeping with the previously recorded archaeology in the area, the majority of new potential sites are likely to be ringforts. Close comparison is difficult owing to difficulties in classification, meaning that many sites are generically labelled 'enclosure' and hence not really assignable to a particular time period. As might be expected, some of the more upland locations (i.e. likely to have been exposed to less intensive agricultural improvement) preserve the greatest concentration of potential sites. This can be seen for example in Grids 5, 6 and 16. Conversely, low-lying areas which are likely to have been subject to more agricultural improvements (e.g. Grid 12, 13, 62) present few new sites with topographic signatures, and some existing sites are preserved only as very low profile monuments.

Several possible Bronze Age features are present, including the large oval enclosure identified as CH6 (Site 16.3 in this study) and a probable large barrow (Site 6.3). A number of previously recorded Bronze Age sites were only found during previous construction projects (e.g. in pipeline laying). This is likely to mean that Bronze Age monuments will be under-represented in this study and that significant numbers could be found at the excavation stage (especially fulachaí fia). Two sites have been tentatively identified as fulachtaí fia but the small size of such monuments makes them difficult to identify through lidar survey. Other Bronze Age features such as pits are likely to have left no topographic signature at all and are therefore invisible to lidar.

A number of field systems have also been identified in the lidar survey. Field systems are notoriously difficult to date by form alone. While some (e.g. Site 5.4) are in close proximity to early medieval enclosures this is not any guarantee that the field system has any connection to the enclosures. In other cases (e.g. 39.1; 58.1) the field systems appear more closely related to deserted settlement-type land enclosure – generally represented by small, rectangular fields often on a single alignment. These represent a croft-toft arrangement and might be expected to have house platforms parallel to the settlement long axis.

9 sites previously identified within the SMR/RMP as 'Ringfort – rath' have been awarded a confidence score of 0, meaning they are effectively levelled. In addition, 13 'Enclosure' sites are also awarded the same confidence score. This represents a significant loss of above ground archaeological remains since the first edition OS maps were compiled in the mid C19th.

Sites and areas of potentially high significance

A number of areas of high archaeological potential have been highlighted based on complexes of enclosures/field boundaries (see Figs 9-24 below). Additionally, 9 further sites of significance have been highlighted. These can be cross-referenced with the image catalogue in Appendix 4.

- **Area around Site 2.3** (Fig. 9). Numerous field boundaries and possible enclosure elements.
- **Wider area of CH4 and BH1 (Fig. 10)**. **100 m corridor catches the western portion but avoids much of the obvious archaeology**. The field systems here (Site 5.4) may well have a prehistoric origin. This also incorporates BH1, newly identified enclosure 6.1 and ringforts LI010-010, LI010-011 and LI010-012 (AH1).
- **Wider area of CH43 (Fig. 11)**. This incorporates an extensive field system (15.3) much of which lies under woodland, and includes the ringforts 15.2, 15.4 and 15.6. **The northern part of this area is impacted by the 100 m corridor** but the archaeological landscape extends for another c. 400m south.
- **Area north of LI019-048 (Fig. 12).** Elongated area of enclosures and field systems.
- **The area around BH4 and CH11** (Fig. 13) also includes enclosures 18.3 (which lies south of the corridor) and field system 18.5. **The northern part of field system 18.5 is impacted by the 100m corridor**
- **Area around 19.3 and 24.1 (Fig. 14). Elements of field systems in the hinterland of LI019-058.**
- **LI019-064 large ringfort (Fig. 15)**. At least bivallate and with central platform measuring c. 37m diameter. Suggestion of associated rectangular enclosure to the east, perhaps suggesting later fortification of this site. **Northern edge of site likely to be impacted by 100m corridor.**
- **Area around 26.1-2 (Fig. 16). Three enclosures and some field boundaries in this location along existing pipeline route.**
- **Area around LI020-056001 and LI010-056002 (Fig. 17). Complex area of field boundaries and enclosures. Likely to represent a significant medieval settlement.**
- **The area of DL12 (Fig. 18).** Incorporating cashel LI020-057, ringforts 52.3 and 52.4, field system 53.2 and enclosure 57.1. This is a significant cluster of probable early medieval monuments preserved within a former demesne landscape. **Northeast portion impacted by 100m road corridor.**
- **Designed landscape 76.1, Glebe House, Castlematrix (Fig. 19).**
- **Field systems associated with LI020-159 (BH 39; AH119) (Fig. 20).**
- **Designed landscape associated with Clonshire House (49.1). Fig. 21.**
- **The area around BH28**, including 49.3 Ringfort and 49.4 Mound (Fig. 23) is of high archaeological potential and is significantly impacted by the 100 m corridor **Significant complex of field boundaries including 2 potential monuments (Fig. 22).**

- **Area of DL18 and eastwards (Fig. 23)**, including CH96. Incorporating deserted settlement LI021-025001 and burial ground LI021-25002. Settlement extends eastward beyond road (33.2) and possible as far as field system 33.1. This represents an extensive later medieval settlement complex with elements of early medieval enclosure incorporated. Enclosure 32.1 may represent a previously unrecorded ecclesiastical site. **There is no indication of remains north of the present road corridor.**
- **The area of 16.3 Hilltop Enclosure (CH6 and CH7) (Fig. 24)** has significant archaeological potential and incorporates a possible cashel (16.2) and extensive field system 16.1. This may be connected to the field systems around CH43 above. **The northern part of this area is impacted by the 100m corridor**

Individual sites of significance

- **Possible deserted settlement 58.1,** comprising a series of plots divided east-west.
- **Barrow 6.3**. A substantial bowl barrow, c. 56 m diameter. Central area partially overlain by possible church (townland is named 'Churchfield')
- **Enclosure 17.1** may represent a large and previously undescribed platform rath, although it is difficult to categorise from its topographic appearance alone. 59 x 45 m
- **LI020-113 crannog (Grid 63; AH95)**. This site appears to be exceptionally well-preserved as a platform, c. 35 m diameter within the infilled lake basin of Rathkeale. Road corridor passes within 150 m of site to NE.
- **Conjoined enclosures LI021-011001 (AH62) and LI021-011002 (AH62)** lie within the corridor extents (although outside of the 100 m corridor). Such conjoined enclosures are uncommon and poorly understood.
- **Enclosures 14.3 and 14.4** are both likely to be impacted by the 100 m road corridor
- **Settlement 39.1** appears to extend northeastwards beneath the 100 m road corridor
- **Site LI021-015 (AH69)** is closer to the corridor than planned owing to being incorrectly placed in the RMP and will be impacted by the 100m road corridor.
- **The large moated site 38.2** is potentially significant.

Fig. 9. Area around Site 2.3. Numerous field boundaries and possible enclosure elements.

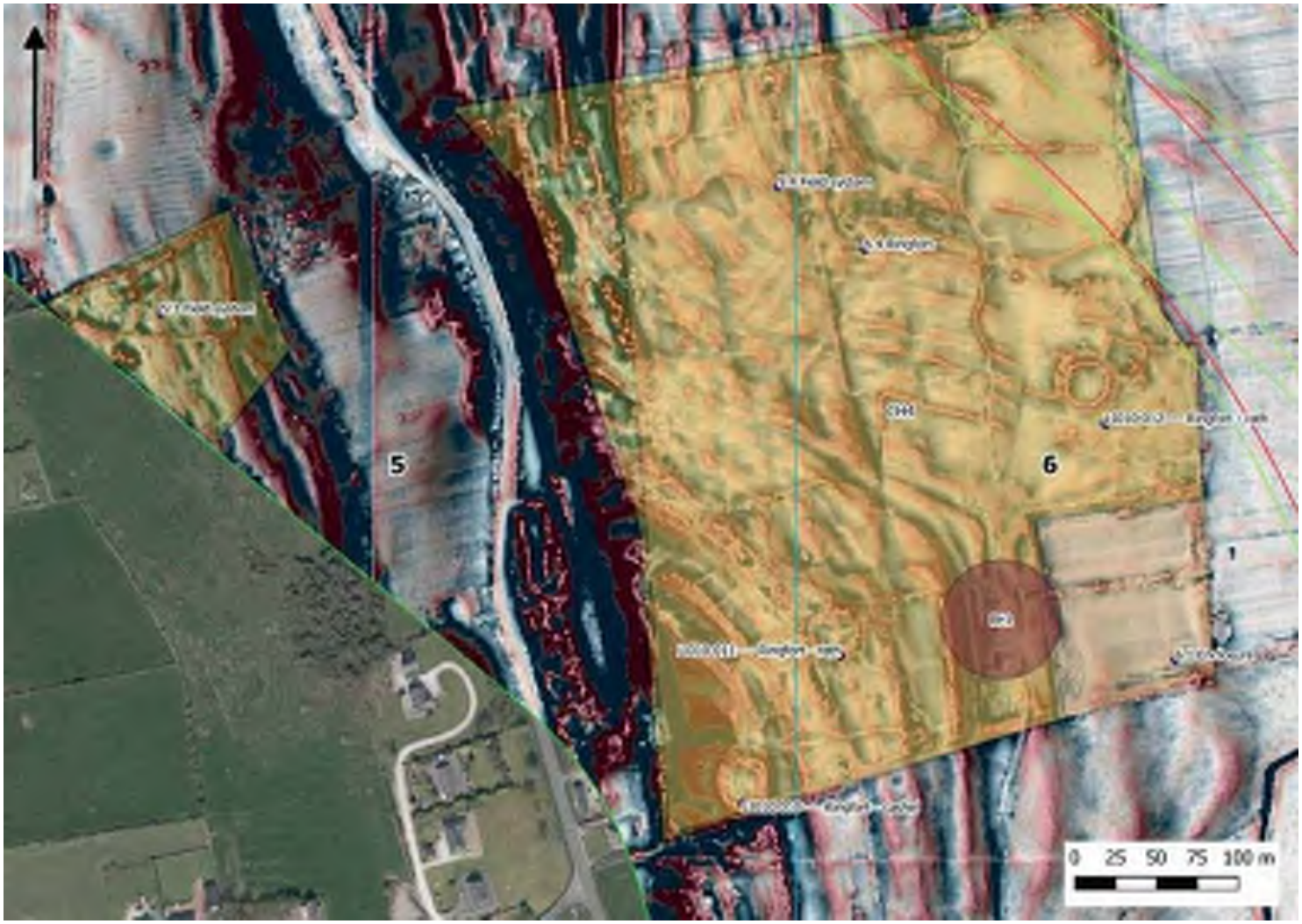

Fig. 10. Area around Site 5.4. This overlaps with previously identified CH4 and includes previously identified BH1. Also field systems around site 5.3, which are separated from the former by a valley but are of similar type.

Fig. 11. Area around ringfort 15.6. This is an extensive complex of field boundaries including several enclosure elements. Previously identified CH43 underestimates the overall area. Further fieldsystems at 15.5 may be connected.

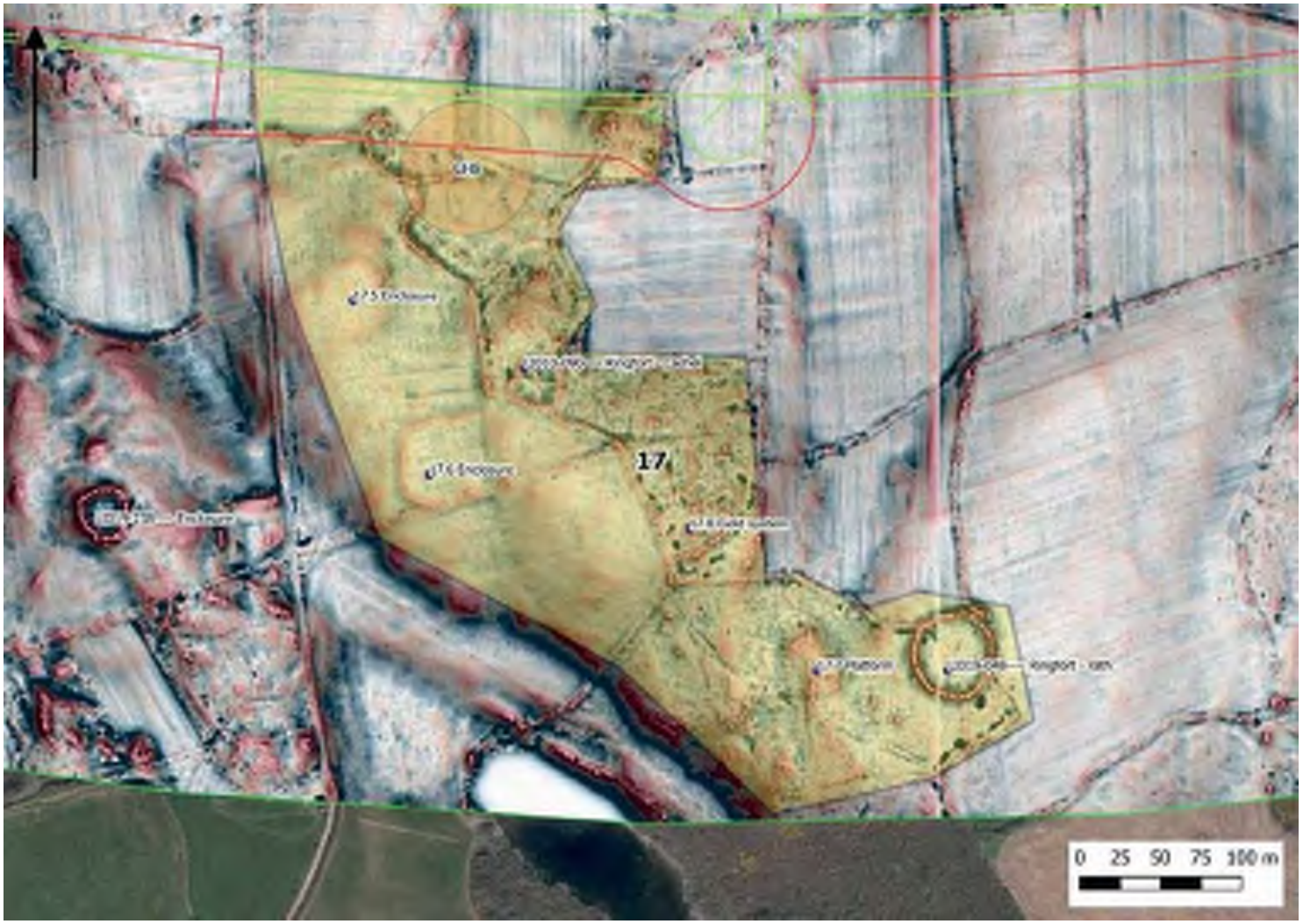

Fig. 12. Area north of LI019-048. Elongated area of enclosures and field systems. SVF over LRM, scheme orthophotography baselayer.

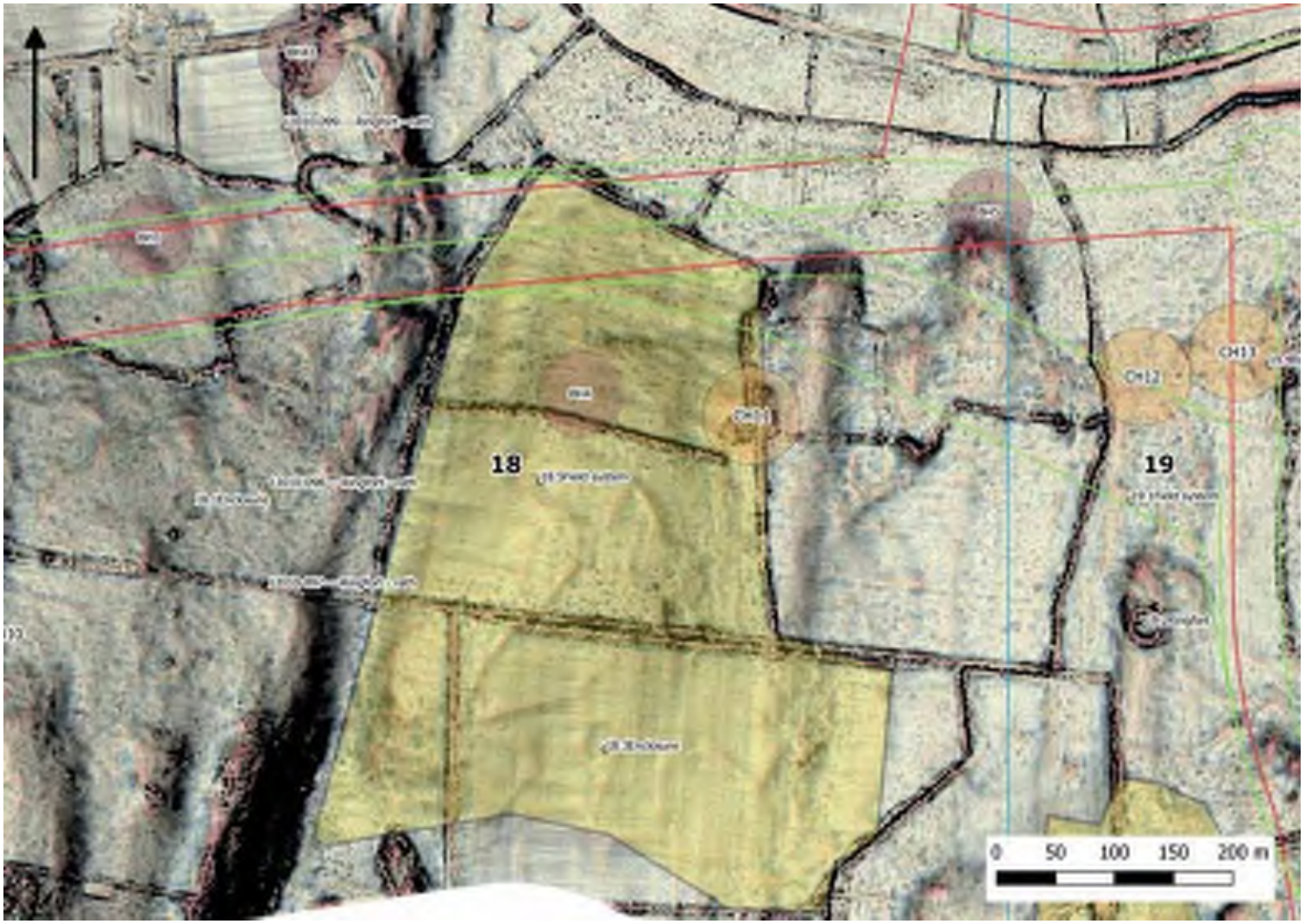

Fig. 13. Area around 18.3 and 18.5, including BH4 and CH11. Complex of field boundaries with some enclosure. SVF over LRM, scheme orthophotography baselayer.

Fig. 14. Area around 19.3 and 24.1. Elements of field systems in the hinterland of LI019-058. SVF over LRM, scheme orthophotography baselayer.

Fig. 15. LI019-064. Area around large enclosure including possible rectangular enclosure elements to the east. SVF over LRM.

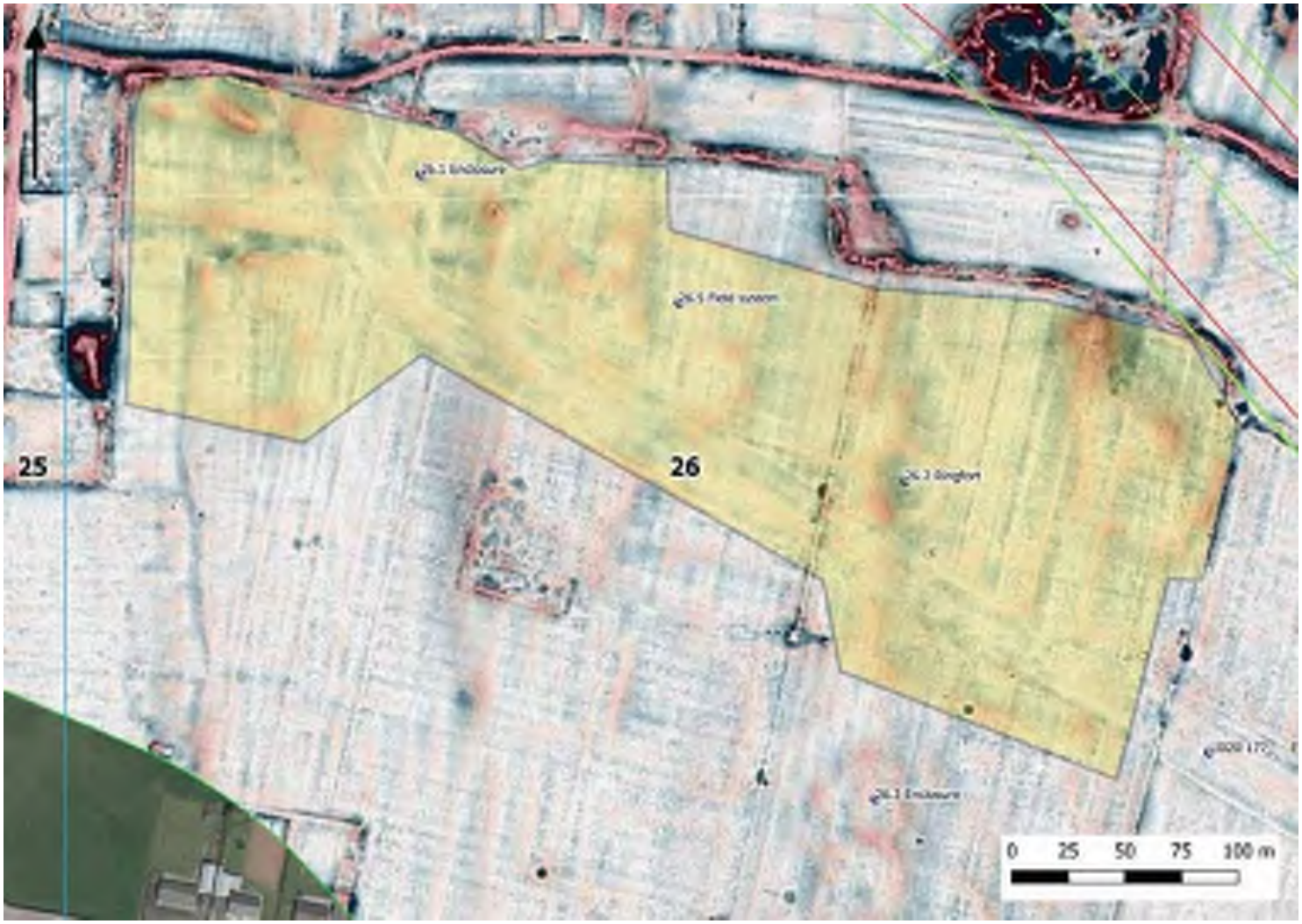

Fig. 16. Area around 26.1-2. Three enclosures and some field boundaries in this location along existing pipeline route. SVF over LRM, scheme orthophotography baselayer.

Fig. 17. Area around LI020-056001 and LI020-056002. Complex area of field boundaries and enclosures. Likely to represent a significant medieval settlement. SVF over LRM, scheme orthophotography baselayer.

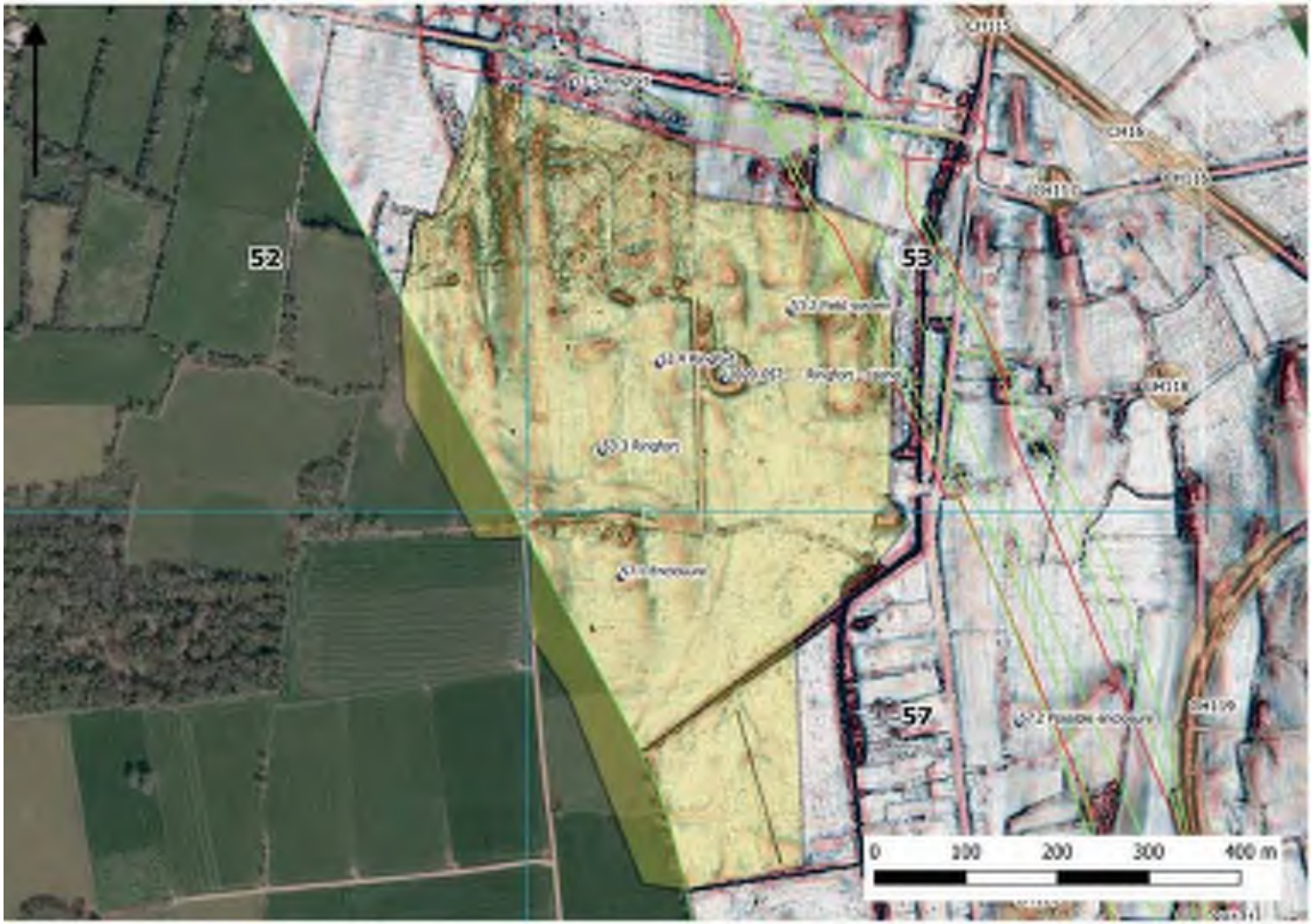

Fig. 18. Area around LI020-057. Including four additional enclosures and elements of field systems. SVF over LRM, scheme orthophotography baselayer.

Fig. 19. Designed landscape 76.1. SVF over LRM, scheme orthophotography baselayer.

Fig. 20. Field systems associated with LI020-159 (BH 39; AH119). SVF over LRM, scheme orthophotography baselayer.

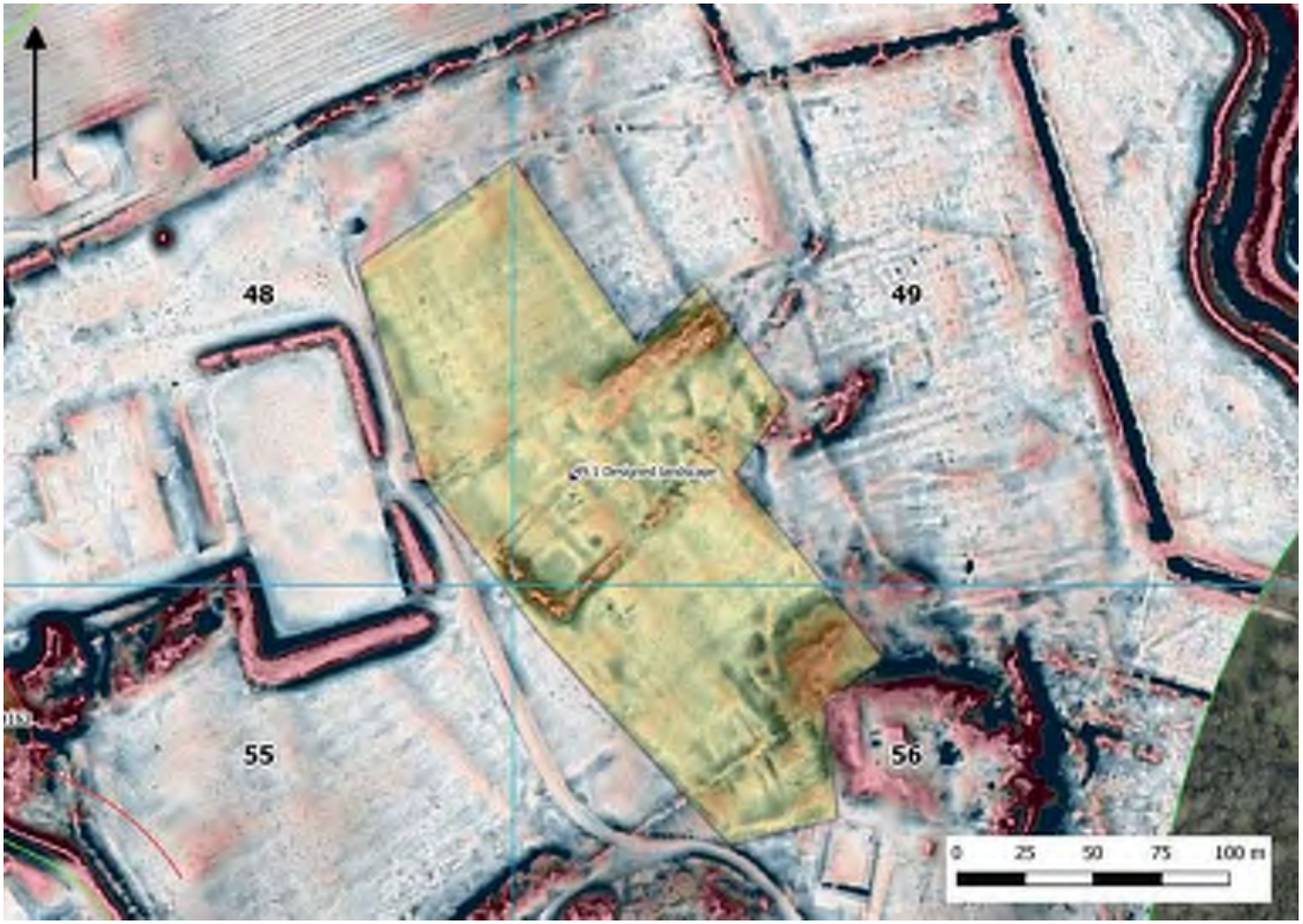

Fig. 21. Designed landscape associated with Clonshire House. SVF over LRM, scheme orthophotography baselayer.

Fig. 22. Area around enclosure 49.3 and mound 49.4. Significant complex of field boundaries including 2 potential monuments. SVF over LRM.

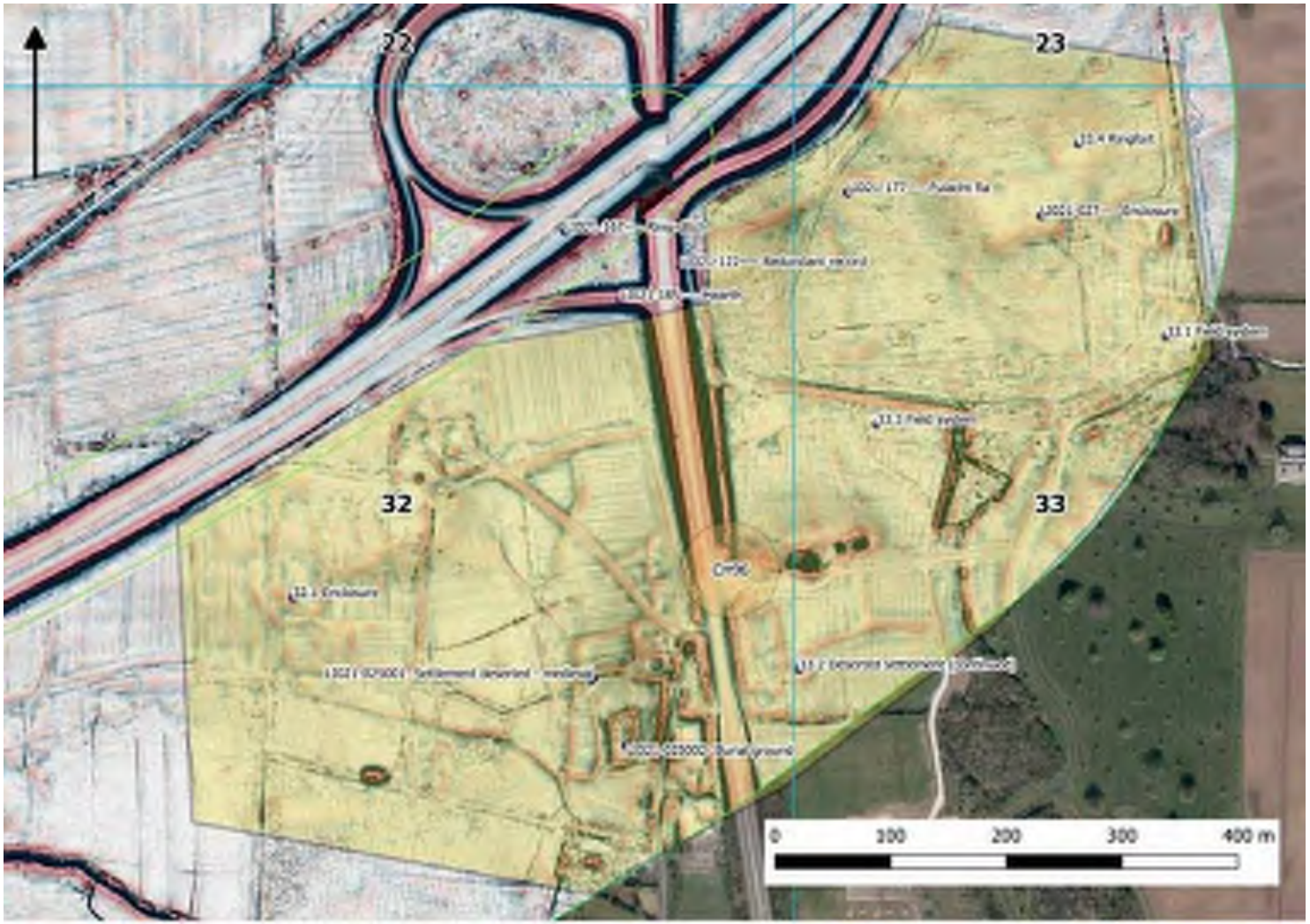

Fig. 23. Settlements at Attyflin. Significant medieval habitation including recorded cilín and possible ecclesiastical enclosure. Includes LI021-025001 and LI021-025002, LI021-177 , LI021-167 (AH75) and LI021-122 (Redundant record). SVF over LRM, scheme orthophotography baselayer.

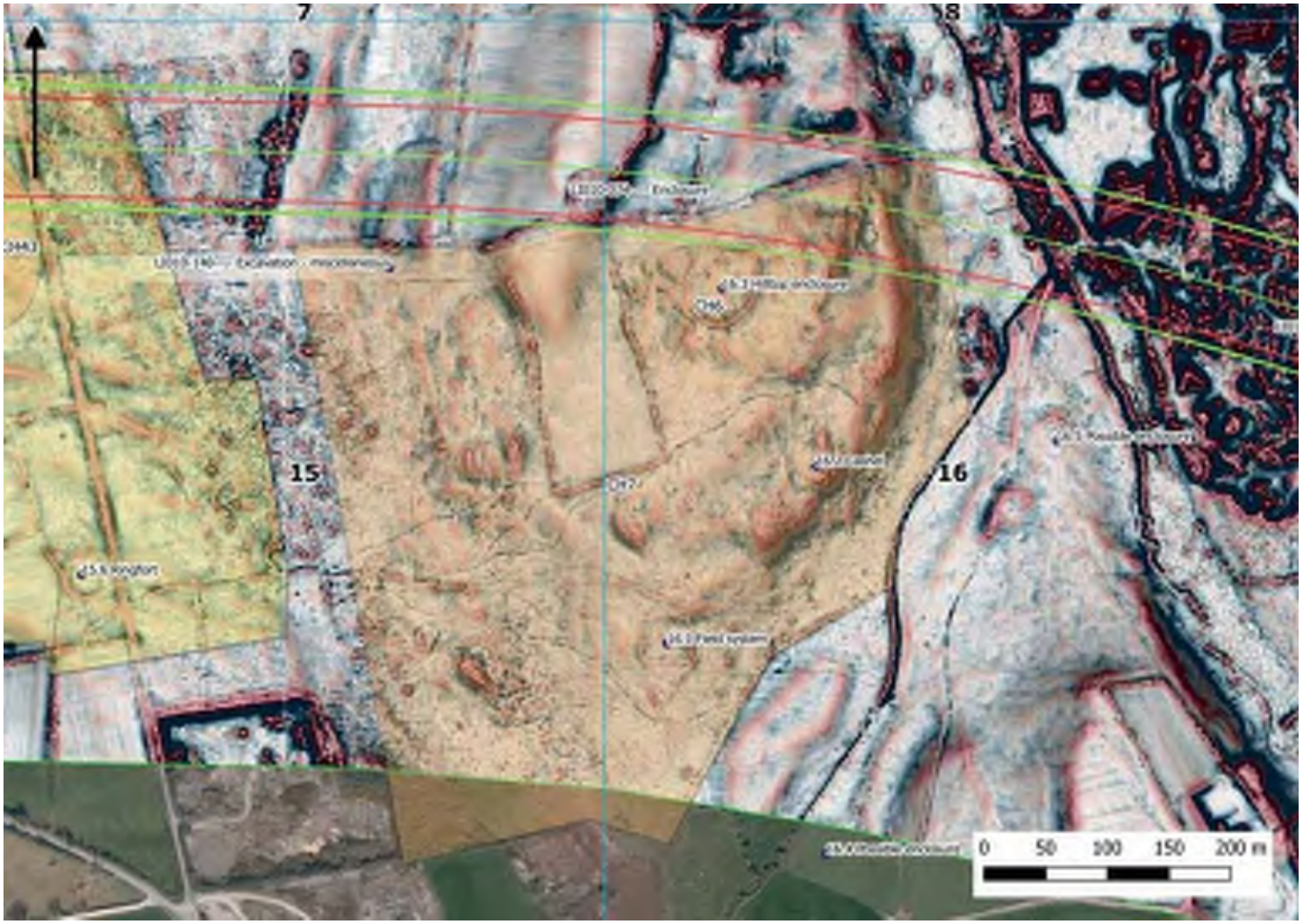

Fig. 24. The area of 16.3 Hilltop Enclosure (CH6 and CH7) has significant archaeological potential and incorporates a possible cashel (16.2) and extensive field system 16.1. This may be connected to the field systems around CH43 above. The northern part of this area is impacted by the 100m corridor.

Future Recommendations

A number of recommendations are proposed, based on the lidar prospection.

- Further survey (i.e. geophysical survey) is suggested at any site (existing or newly recognised) potentially impacted by the road corridor.
- Extreme caution is advised in areas identified as wetland environments. Previous infrastructural schemes in the area (e.g. Gas Pipeline to the West) have consistently identified monuments within these environments, especially fulachtaí fia, and it is likely that a large number of these will be encountered on this scheme.
- Some of the large areas of field systems identified are potential archaeological 'hot spots', especially as regards early medieval activity. Some of these are previously identified as scheme constraints, but in some cases these have been only partially defined to this point.
- The opportunity to feed back the results of geophysical survey to the lidar prospection would be very useful and allow future lidar-based prospection to be better defined. As such, all geophysical survey results should be requested as georeferenced tiff files to incorporate into the final scheme GIS.

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Appendices

Appendix 1 comprises a list of all sites within the 1 km road corridor, including classification, code, townland, barony, parish, constraint numbers, grid, confidence and a brief descriptions. The range of fields presented means that there is not space to include the ITM co-ordinates within this table. However, all images can be cross-referenced to the image catalogue (Appendix 4). Where available previously excavated sites have been cross-referenced with their license number.

As part of the Limerick survey remains unpublished it is suggested that any impact on these monuments should involve additional desk-based research, in particular consulting the NMS archives. This is considered beyond the scope of the current study.

Appendix 2 comprises a 'zoomed out' view of the grid scheme as AP, LRM and SVF images.

Appendix 3 comprises a gridwise image catalogue, with images presented in 2-grid blocks

Appendix 4 constitutes a brief grid by grid description of each square

Appendix 5 comprises the main image catalogue. This is ordered in a grid by grid manner, with images of previously recorded sites followed within each grid square by images of newly identified potential features. In some cases additional images of constraints are placed at the beginning of this grid sections.

APPENDIX 1: LIST OF ALL SITES WITHIN THE 1KM CORRIDOR[1]

[1] **Sites shown in bold lie within the table lie within the 100 m corridor.**

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
525652	651083	Field system	1.1	Corgrig	Shanid	Robertstown		1	Probable field system associated with LI010-007. 148 x 85 m	1
525914	651153	Possible enclosure	1.2	Corgrig	Shanid	Robertstown		1	Possible oval enclosure, 33.9 m NE-SW, 31.4 m NW-SE. No indications on early mapping	3
525687	650823	Enclosure	1.3	Corgrig	Shanid	Robertstown		1	Very low profile circular enclosure, probable ringfort. 22.4 m diameter. Not visible in AP or 6-inch mapping	2
525499	650700	Designed landscape	1.4	Corgrig	Shanid	Robertstown		1	Rectangular field and raised linear bank, possibly associated with demesne of Corgrig Castle. 55 x 25 m	2
526142	651201	Possible enclosure	1.5	Durnish	Shanid	Robertstown		1	Oval raised area, possibly modified natural platform. Truncated to NE by railroad. Dimensions 56.4 x 41.5 m	2
526254	651266	Enclosure	1.6	Durnish	Shanid	Robertstown		1	Long, curving bank, possible forming SW portion of a large enclosure	3
525747	650582	Ringfort	1.7	Corgrig	Shanid	Robertstown		1	Small enclosure, truncated to west by modern farm buildings. 24 m diameter	2
526311	651083	Ringfort	2.1	Durnish	Shanid	Robertstown		2	Small, univallate ringfort, c. 34 m diameter.	1
526277	650913	Enclosure	2.2	Ardaneer	Shanid	Shanagolden		2	Possible ringfort. Oval, dimensions 22 m NE-SW, 29 m NW-SE.	1
526507	650877	Settlement	2.3	Ardaneer	Shanid	Shanagolden		2	Settlement cluster, medieval or post-medieval. Comprising a well-defined rectangular enclosure (possible bawn), 70 m NE-SW, 50 m NW-SE, with a smaller enclosure to the SW, , 21 m NE-SW, 29 m NW-SE. Suggestions of hollow-ways connecting site to the NW	1
526668	650714	Settlement cluster	2.4	Ardaneer	Shanid	Shanagolden		2	Apparent settlement cluster aligned along roadway, comprising three rectangular plots with associated ridge and furrow cultivation. 79 x 27 m	2
525493	650534	Enclosure	5.1	Corgrig	Shanid	Robertstown		5	Probable ringfort at edge of dataset, 27 m diameter. Visible in AP, possible a landscape feature	1
525565	650481	Enclosure	5.2	Corgrig	Shanid	Robertstown		5	Small trapezoidal ditched enclosure, c. 27 x 29 m.	1
525870	650334	Field system	5.3	Corgrig	Shanid	Robertstown		5	Field system, defined by multiple walls, some visible in AP. 190 x 69 m	1
526248	**650412**	**Field system**	**5.4**	**Ardaneer**	**Shanid**	**Shanagolden**	**CH4**	**5**	**Extensive and potentially significant field system, perhaps associated with LI010-012 and extending as far as LI010-010 and LI010-011. 475 x 423 m**	**1**
526491	650122	Enclosure	6.1	Ardaneer	Shanid	Shanagolden	CH4	6	Possible ringfort, NW portion only. Defined by curving bank, describing an oval, 30 m along its long axis.	3
526694	**650012**	**Ringfort**	**6.2**	**Sroolane North**	**Shanid**	**Robertstown**		**6**	**Low profile ringfort, apparently truncated to west, probably by field boundary evident in 6-inch mapping. Diameter c. 35.4 m**	**2**
526948	650475	Barrow	6.3	Churchfield	Shanid	Shanagolden		6	Probable bowl barrow, 40.2 m diameter, surrounded by broad fosse. Overbuilt by rectangular structure, possibly a church (townland name is Churchfield)	1
526300	650374	Ringfort	6.4	Ardaneer	Shanid	Shanagolden		6	Small ringfort, 27 m diameter, within field system 5.4	2
528970	649707	Cashel	8.1	Craggs	Shanid	Robertstown		8	Cashel or ringfort, within heavy forestry, c. 44.6 x 31.7 m diameter.	1
528974	649666	Platform	8.2	Craggs	Shanid	Robertstown		8	Apparent rectangular platform in heavy forestry. 18 m N-S, 9 m E-W. Possibly building associated with Craggs House Demesne	3

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
528299	649722	Ringfort	8.3	Oorla	Shanid	Robertstown		8	Low profile subcircular enclosure, 31 x 23 m.	1
529834	649614	Mound	9.1	Mulderricksfield	Shanid	Robertstown		9	Small mound in otherwise flat field. 8 m diameter.	2
530641	649740	Enclosure	10.1	Hazelfield	Shanid	Robertstown		10	Enclosure sited in corner of field system, c. 21 m diameter	1
531886	**649579**	**Possible enclosure**	**11.1**	**Ballycullen**	**Connello Lower**	**Lismakeery**	**CH14**	**11**	**Possible oval enclosure, 36 m NW-SE, 22 m SW-NE.**	**2**
532169	**649745**	**Enclosure**	**11.2**	**Ballycullen**	**Connello Lower**	**Lismakeery**		**11**	**Possible ringfort, defined by curving bank to the NW. Truncated to SE. c. 32.6 m diameter.**	**1**
532795	649763	Possible enclosure	12.1	Cloonreask	Connello Lower	Askeaton		12	Very low profile possible ringfort. c. 26.2 m diameter. Best preserved to SW	2
532739	**649936**	**Settlement cluster**	**12.2**	**Cloonreask**	**Connello Lower**	**Askeaton**		**12**	**Possible settlement cluster defined by two rectangular enclosures, and a third possibly truncated to SW. 66 x 49 m**	**3**
526536	649387	Ringfort	14.1	Inchagreenoge	Shanid	Robertstown		14	Low profile probable ringfort, c. 17.2 m diameter	3
526597	649426	Enclosure	14.2	Inchagreenoge	Shanid	Robertstown		14	Possible enclosure, 17 m diameter. Perhaps part of field system extending to NE	2
527197	**649535**	**Enclosure**	**14.3**	**Robertstown**	**Shanid**	**Robertstown**		**14**	**Small enclosure, one of a pair. c. 23.6 m diameter. Probable ringfort**	**1**
527182	**649444**	**Enclosure**	**14.4**	**Robertstown**	**Shanid**	**Robertstown**		**14**	**Pair to 14.3 which is c. 100 m to the north. Small enclosure, 21 m diameter. Probable ringfort.**	**1**
527214	649212	Field system	14.5	Robertstown	Shanid	Robertstown		14	Approximately triangular field, defined by low banks. 38 m x 22 m.	2
527483	649256	Enclosure	15.1	Robertstown	Shanid	Robertstown		15	Probable ringfort, 26 m diameter. Some suggestion of internal structure	1
527661	**649511**	**Ringfort**	**15.2**	**Robertstown**	**Shanid**	**Robertstown**		**15**	**Ringfort, truncated to NW and associated with the extensive field system 15.3. c. 25 m diameter**	**1**
527702	**649429**	**Field system**	**15.3**	**Robertstown**	**Shanid**	**Robertstown**	**CH43**	**15**	**Extensive field system associated with at least one early medieval enclosure (probably more). 370 x 190 m**	**1**
527736	649399	Ringfort	15.4	Robertstown	Shanid	Robertstown	CH43	15	Probable low-profile ringfort associated with field system 15.3. 32 m diameter	2
527527	649102	Field system	15.5	Robertstown	Shanid	Robertstown		15	Elements of field system potentially associated with 15.1. 138 x 126 m	3
527834	649122	Ringfort	15.6	Robertstown	Shanid	Robertstown		15	Ringfort constituting southern end of field system 15.3. 31m diameter	1
528309	649066	Field system	16.1	Rincullia	Shanid	Robertstown	CH7	16	Rectangular field system/enclosure, 38 x 36 m. Well-defined in AP. Possibly stock enclosure.	1
528430	649210	Cashel	16.2	Rincullia	Shanid	Robertstown	CH7	16	Small cashel, 23 m diameter with associated with field systems and enclosure 16.3	1
528354	**649354**	**Hilltop enclosure**	**16.3**	**Rincullia**	**Shanid**	**Robertstown**	**CH6**	**16**	**Large D-shaped enclosure, flattened to N, 60 m N-S, 50 m E-W. Associated with field boundaries but impossible to define order of construction without ground survey.**	**1**
528439	648895	Possible enclosure	16.4	Ballinknockane	Shanid	Kilmoylan		16	Possible enclosure, well-defined to north but potentially quarried to south. 28 m diameter	1
528625	649230	Possible enclosure	16.5	Ballinknockane	Shanid	Kilmoylan		16	Possible oval enclosure, 31 x 20 m.	3
529472	649368	Enclosure	17.1	Mulderricksfield	Shanid	Kilmoylan		17	Large, oval enclosure defined by a low platform. 56 x 50 m. Probably a large ringfort	1
529402	649544	Settlement cluster	17.2	Mulderricksfield	Shanid	Robertstown		17	Small rectangular enclosure/building, 22 x 15 m with curving bank, possibly part of earlier ringfort, 30 m diameter. Some external elements to SE of rectangular enclosure	1
529773	649389	Ringfort	17.3	Mulderricksfield	Shanid	Kilmoylan		17	Substantial possible ringfort, somewhat flattened/damaged to SW. 38 x 22 m diameter	2

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
529687	649247	Possible enclosure	17.4	Mulderricksfield	Shanid	Kilmoylan	CH9	17	Low profile rectangular enclosure, 25 m E-W, 40.5 m N-S.	3
529637	648996	Enclosure	17.5	Craggs	Shanid	Kilmoylan		17	Flattened terrace, possible natural feature with modification. 35 x 35 m	3
529684	648889	Enclosure	17.6	Craggs	Shanid	Kilmoylan		17	Possible field system, associated with LI010-090. Sub-rectangular, 48 x 33 m. Truncated to east.	1
529924	648768	Platform	17.7	Craggs	Shanid	Kilmoylan		17	Rectangular platform in dense woodland. 38 m NW-SE x 25 m NE-SW.	2
529845	648856	Field system	17.8	Mulderricksfield	Shanid	Kilmoylan		17	Field system under dense woodland, possibly incorporating ringfort, 43 m diameter.	2
530569	649044	Enclosure	18.1	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery		18	Probable ringfort, 29 m diameter. May be LI010-098 but mis-recorded.	1
530409	**649242**	**Possible enclosure**	**18.2**	**Ballyclogh (Ed Askeaton West)**	**Shanid**	**Lismakeery**		**18**	**Possible enclosure/farmstead, 39 m diameter. May be part of a ringfort.**	**3**
530917	648836	Enclosure	18.3	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	DL1	18	Probable ringfort, 37 x 18 m diameter. In context of broader field system. Located within DL1.	1
530996	649535	Possible enclosure	18.4	Ballyellinan	Connello Lower	Lismakeery		18	Possible enclosure, 23 x 15 m diameter. Possible quarry.	2
530862	**649064**	**Field system**	**18.5**	**Ballyclogh (Ed Askeaton West)**	**Connello Lower**	**Lismakeery**		**18**	**Series of probable field boundaries extending northwards from 18.3. Northern extent may be within 100 m corridr. 577 x 438 m**	**2**
531363	**649048**	**Field system**	**19.1**	**Ballyclogh (Ed Askeaton West)**	**Connello Lower**	**Lismakeery**	**DL1**	**19**	**Series of rectangular plots along road; possible deserted medieval settlement. 101 x 39 m**	**3**
531375	648942	Ringfort	19.2	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	DL1	19	Ringfort (or possibly demesne feature), heavily wooded. 24 m diameter.	1
531314	648740	Field system	19.3	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	DL1	19	Field system including possible enclosure, 40 m diameter.	2
531479	**649163**	**Ringfort**	**19.4**	**Ballyclogh (Ed Askeaton West)**	**Connello Lower**	**Lismakeery**	**CH13**	**19**	**Small enclosure, probable ringfort associated with 19.1 and 19.2, c. 26.5 x 25.5 m diameter**	**1**
533194	648660	Enclosure	20.1	Baunreagh	Connello Lower	Askeaton		20	Small, D-shaped enclosure, 21 x 19 m.	1
551134	648955	Enclosure	22.1	Ballybronoge North	Pubblebrien	Killonahan		22	Small, circular enclosure, 16 m diameter. Associated with field system. Probable landscape feature associated with Spring Lodge.	1
551045	648982	Enclosure	22.2	Ballybronoge North	Pubblebrien	Killonahan		22	Small, circular enclosure, 16 m diameter. Associated with field system. Probable landscape feature associated with Spring Lodge.	1
531332	648411	Field system	24.1	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery		24	Field system with enclosure elements. 152 x 110 m	3
533416	648011	Enclosure	26.1	Milltown North	Connello Lower	Lismakeery		26	Small enclosure, 14.5 m diameter. Part of field system extending SE	3
533630	647875	Ringfort	26.2	Milltown North	Connello Lower	Lismakeery		26	Well-defined ringfort, 26.5 m diameter. In 6 inch mapping but apparently not included in RMP	1
533616	647734	Enclosure	26.3	Milltown North	Connello Lower	Lismakeery		26	Possible enclosure, apparently damaged by buildings to SE. 20.5 x 11.5 m	3
534028	648139	Building	26.4	Ballynacaheragh	Connello Lower	Askeaton		26	Rectangular platform, 42.2 x 42.2 m. Marked as wooded area in 6 inch mapping but with clear structure in lidar data.	2

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
533530	647954	Field system	26.5	Milltown North	Connello Lower	Lismakeery		26	Field system. Irregular raised boundaries between enclosures 26.1 and 26.2.	2
547099	647874	Ringfort	28.1	Mondellihy	Coshma	Adare		28	Small circular enclosure in low-lying ground. 28 m diameter. Probable ringfort	1
548920	647667	Possible enclosure	30.1	Rineroe	Coshma	Adare		30	Small circular depression, 18.5 m diameter. Possible quarry.	2
549596	647966	Enclosure	31.1	Ballycarrane	Pubblebrien	Croom	DL17	31	Possible enclosure. Sub-rectangular are 71 x 85 m. Possible demesne feature associated with Ballycarrane House..	1
550056	**647864**	**Enclosure**	**31.2**	**Gorteen (Ed Clarina)**	**Pubblebrien**	**Croom**		**31**	**Trapezoidal enclosure, approx. 38 x 31 m. Possible moated site.**	**1**
550125	648397	Ringfort	31.3	Ballycarrane	Pubblebrien	Croom		31	Possible ringfort, 30 m diameter	1
550825	648130	Enclosure	32.1	Ballybronoge South	Pubblebrien	Killonahan	DL18	32	Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m	1
551580	648356	Field system	33.1	Attyflin	Pubblebrien	Killonahan		33	Possible deserted settlement in grounds of Attyflin House. May include designed landscape features. 134 x 82	1
551263	648068	Deserted settlement	33.2	Attyflin	Pubblebrien	Killonahan		33	Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m	1
551330	648280	Field system	33.3	Attyflin	Pubblebrien	Killonahan		33	Rectangular enclosure as part of field system. Possibly continuation of LI021-025001. 26 x 26m	2
551505	648522	Ringfort	33.4	Attyflin	Pubblebrien	Killonahan		33	Ringfort associated with LI021-027. Diameter 41 m	2
534067	647258	Hollow way	34.1	Milltown North	Connello Lower	Lismakeery		34	Substantial hollow-way, 18 m across, 135 m in length. Potentially connected to LI010-004002	1
534092	646755	Building	34.2	Milltown South	Connello Lower	Lismakeery		34	Possible building/farmstead. 48 x 18 m	2
534046	646669	Enclosure	34.3	Milltown South	Connello Lower	Lismakeery		34	Possible ringfort. 30.3 x 22 m diameter.	2
534003	646629	Possible burnt mound	34.4	Milltown South	Connello Lower	Lismakeery		34	Crescentic mound, 11.5 m diameter. Riverside location suggestive of burnt mound.	2
534476	647378	Possible enclosure	35.1	Boolaglass	Connello Lower	Nantinan		35	Possible enclosure; however, form suggests this might be a small quarry. 26 x 24 m	2
534618	647219	Modified landscape feature	35.2	Boolaglass	Connello Lower	Nantinan		35	Rectangular platform, 44 x 56 m. Probably a natural rise with some modification	2
534374	647143	Mound	35.3	Boolaglass	Connello Lower	Nantinan		35	Tree-covered mound, 10 m diameter. Possibly landscape feature	2
534645	646885	Ringfort	35.4	Boolaglass	Connello Lower	Nantinan		35	Ringfort, c. 27.5 x 24 m diameter. Under heavy woodlan	1
534293	646709	Possible burnt mound	35.5	Bullaun	Connello Lower	Nantinan		35	Small, crescentic mound located adjacent to river, c. 13 m diameter with underlying spread N-S	2
544772	**646708**	**Enclosure**	**38.1**	**Kilknockan**	**Kenry**	**Adare**		**38**	**Possible enclosure. Curving bank to north with some disruption to south. 45 m diameter**	**2**
544882	**646801**	**Moated site**	**38.2**	**Kilknockan**	**Kenry**	**Adare**		**38**	**Large moated site. 54 x 43m to exterior of ditches.**	**1**
545587	**646846**	**Settlement**	**39.1**	**Islandea**	**Coshma**	**Adare**		**39**	**Row of settlement plots along present field boundary (c. 212 x 48 m)**	**2**
546422	647050	Ringfort	40.1	Ardshanbally	Coshma	Adare		40	Small enclosure, probable ringfort. Defined by broad bank. Overall diameter 27 m.	3

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
548766	647378	Enclosure	42.1	Rineroe	Coshma	Adare		42	Small penannular enclosure with causeway to east. Central area 26 m diameter.	1
534362	646002	Enclosure	46.1	Ardgoul North	Connello Lower	Nantinan		46	Small enclosure, truncated to SE by another enclosure (46.2). 38 x 30 m diameter.	1
534382	645961	Enclosure	46.2	Ardgoul North	Connello Lower	Nantinan		46	Enclosure with conjoined building. Impacted by former hedge-line to NW (now removed).30 x 19 m.	1
535154	646239	Ringfort	46.3	Nantinan	Connello Lower	Nantinan	DL11	46	D-shaped enclosure, c. 53 x 26 m	1
535399	645946	Field system	47.1	Nantinan	Connello Lower	Nantinan	DL11	47	Field system associated with LI020-056001. c. 78 x 63 m.	1
535465	646035	Ringfort	47.2	Nantinan	Connello Lower	Nantinan	DL11	47	Small ringfort, 21.2 m diameter.	1
543281	645612	Designed landscape	49.1	Clonshire Beg	Connello Lower	Clonshire	DL21	49	Formal designed gardens within grounds of Clonshire Demesne. c. 253 x 132 m	1
543634	645967	Enclosure	49.2	Rower More	Coshma	Adare		49	Possible enclosure. Raised circular area, 21 m diameter	1
544093	**646549**	**Ringfort**	**49.3**	**Tuogh (Ed Adare North)**	**Kenry**	**Adare**		**49**	**Enclosure and associated field system (250 x 240 m). Central enclosure sub-rectangular but likely to be a ringfort, c. 25 x 21 m**	**1**
544162	**646520**	**Mound**	**49.4**	**Tuogh (Ed Adare North)**	**Kenry**	**Adare**		**49**	**Mound, 10 m diameter. May be natural but in area of underlying low topography**	**3**
535772	645373	Possible ringfort	53.1	Ballingarrane	Connello Lower	Nantinan		53	Possible ringfort. Elevated area 27.2 m diameter	2
535548	**644792**	**Field system**	**53.2**	**Graigeen**	**Connello Lower**	**Nantinan**	**DL12**	**53**	**Associated with LI020-057. Extensive field system with enclosure elements. 409 x 338 m**	**1**
535342	644638	Ringfort	53.3	Graigeen	Connello Lower	Nantinan	DL12	53	Small ringfort, 29.8 x 27 m diameter.	1
535404	644734	Ringfort	53.4	Graigeen	Connello Lower	Nantinan	DL12	53	Low profile oval ringfort to the west of LI020-057. 31 m diameter.	2
535310	**645038**	**Ringfort**	**53.5**	**Graigeen**	**Connello Lower**	**Nantinan**	**DL12**	**53**	**Small ringfort under heavy forestry. 26 m diameter**	**1**
542904	**645533**	**Possible enclosure**	**55.1**	**Gortnagrour**	**Connello Lower**	**Clonshire**		**55**	**Trapezoidal area defined by depression. 38.5 x 24.5 m. Probable quarry**	**2**
542402	644667	Field system	55.2	Clonshire More	Connello Lower	Clonshire		55	Field system associated with LI020-159. 181 x 115 m	2
543358	645114	Enclosure	56.1	Clonshire Beg	Connello Lower	Clonshire	DL21	56	Possible ringfort bisected by driveway of Clonshire Lodge. Diameter 33.7 m	1
535362	644501	Enclosure	57.1	Stoneville	Connello Lower	Nantinan	DL12	57	Rectangular enclosure associated with 53.3. 30 x 25 m	1
535798	**644341**	**Possible enclosure**	**57.2**	**Ballingarrane**	**Connello Lower**	**Nantinan**		**57**	**Possible oval enclosure, truncated to west. 26 x 21 m. Connected to possible building by low spur to NE**	**3**
536330	643794	Settlement	58.1	Ballingarrane	Connello Lower	Nantinan		58	Group of rectangular plots aligned along field boundary. Possible medieval settlement plots, 45 x 15 m	2
540022	643602	Ringfort	59.1	Clogh East	Connello Lower	Croagh		59	Small, circular enclosure, 21.8 m diameter. Probable ringfort.	1

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
541197	644253	Enclosure	60.1	Croagh	Connello Lower	Croagh		60	Small, circular enclosure, defined to the NE by curve in field boundary. Diameter 18.1 m	1
540810	643998	Ringfort	60.2	Knockdromin	Connello Lower	Clonshire		60	Circular enclosure, truncated to west by field boundary. Possible ringfort, 38.8 m diameter	1
541331	644426	Building	61.1	Croagh	Connello Lower	Croagh		61	Raised, circular area, 8 m diameter. Possible windmill stump.	1
541598	**644256**	**Settlement cluster**	**61.2**	**Croagh**	**Connello Lower**	**Croagh**	**CH157**	**61**	**Possible farmstead. Rectangular building platform with associated field systems to NE. 71 x 48 m**	**3**
541487	**644111**	**Enclosure**	**61.3**	**Croagh**	**Connello Lower**	**Croagh**		**61**	**Curvilinear bank, probably SW portion of ringfort. Approx. diameter 21.4 m**	**2**
541641	**644086**	**Enclosure**	**61.4**	**Croagh**	**Connello Lower**	**Croagh**		**61**	**Oval enclosure, 31.8 x 24.8 m. Somewhat irregular - possible quarry**	**1**
542068	644005	Enclosure	61.5	Croagh	Connello Lower	Croagh		61	Roughly plectrum-shaped enclosure defined by slight bank. 56 x 51 m. Visible as crop-mark in AP	1
542708	643956	Enclosure	62.1	Coolballyshane	Connello Lower	Clonshire		62	Small circular area defined by depression. Possible ringfort. 30 m diameter	2
535912	643456	Enclosure	63.1	Kyletaun	Connello Lower	Rathkeale		63	Possible trapezoidal enclosure, truncated to south. 50 m NE-SW; truncation to south. Projected NW-SE measurement 49 m	3
535828	643064	Ringfort	63.2	Kyletaun	Connello Lower	Rathkeale		63	Small ringfort, diameter 27 m.	1
536060	643157	Enclosure	63.3	Kyletaun	Connello Lower	Rathkeale		63	Very low profile possible enclosure defined a shallow circular depression. 44 m diameter.	2
536624	643499	Ringfort	64.1	Ballingarrane	Connello Lower	Nantinan		64	Circular raised platform, 29 m diameter. Probably a ringfort.	2
537443	642900	Enclosure	65.1	Wolfesburgess East	Connello Lower	Rathkeale		65	Low profile circular enclosure on low rise. 32 x 28 m diameter	3
537895	642765	Platform	65.2	Blossomhill (Ed Rathkeale Rural)	Connello Lower	Rathkeale		65	Trapezoidal platform 43 x 31 m; 6 inch mapping suggests some complexity to field system in this area. Possibly modified natural elevation	2
539010	**642783**	**Ringfort**	**66.1**	**Amogan Beg**	**Connello Lower**	**Croagh**		**66**	**Circular enclosure, quarried in the north and ploughed out to the NE. 32.3 m diameter**	**2**
538814	**642711**	**Ringfort**	**66.2**	**Amogan Beg**	**Connello Lower**	**Croagh**		**66**	**Small circular enclosure, 26.1 m diameter. Probable ringfort.**	**2**
539058	643467	Enclosure	66.3	Clogh West	Connello Lower	Croagh		66	Small circular enclosure, probable ringfort, 19.4 m diameter	1
538973	**643256**	**Possible enclosure**	**66.4**	**Clogh West**	**Connello Lower**	**Croagh**		**66**	**Small circular depression with possible ditch to SW. Possible quarry. 19.4 m diameter**	**3**
539199	643105	Ringfort	66.5	Clogh West	Connello Lower	Croagh		66	Low mound with ditch to northwest. Visible in orthophotography. 29 m diameter. Possibly natural mound with quarry.	2
538987	642682	Ringfort	66.6	Amogan Beg	Connello Lower	Croagh		66	Ringfort, levelled to the east but well-preserved to the west. 46 x 30 m	2
535476	642084	Ringfort	70.1	Kyletaun	Connello Lower	Rathkeale		70	Small ringfort, 24 m diameter.	1

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
536945	642066	Enclosure	71.1	Wolfesburgess East	Connello Lower	Rathkeale		71	Small enclosure with central mounded area. 44 m diameter	2
538391	642220	Enclosure	73.1	Croagh Commons	Connello Lower	Croagh		73	Possible plectrum-shaped enclosure, partially overbuilt to SW by modern farmyard. 43 m diameter	1
538800	642191	Ringfort	73.2	Ballymacave	Connello Lower	Croagh		73	Probable ringfort located on low E-W ridge. Largely levelled but broad external fosse still visible. Diameter 39.8 m.	2
535630	641256	Designed landscape	76.1	Castlematrix	Connello Lower	Rathkeale		76	Complex of ditched features, probably part of the grounds of Castlematrix. Covering in excess of 1.7 ha.	2
525544	651164	Castle - tower house	LI010-007	Corgrig	Shanid	Robertstown		1	Corgrig Castle. Heavily wooded. Former landscaped grounds of Corgrig House now covered by housing development to the east.	1
525978	651401	Enclosure	LI010-009	Durnish	Shanid	Robertstown		1	Heavily wooded univallate ringfort, 37 m diameter. Occupies prominent position on a bluff, with the land falling away to the west.	1
526226	650035	Ringfort - cashel	LI010-010	Ardaneer	Shanid	Shanagolden	CH4	5	Ringfort, 27.5 x 21 m diameter, under heavy woodland. Possibly bivallate.	1
526286	650125	Ringfort - rath	LI010-011	Ardaneer	Shanid	Shanagolden	CH4	6	Univallate ringfort, 27 m in diameter. Well-preserved with field systems on all sides. Part of potentially an important complex of enclosures covering c. 15 ha.	1
526448	**650267**	**Ringfort - rath**	**LI010-012**	**Ardaneer**	**Shanid**	**Shanagolden**	**CH4 AH1**	**6**	**Univallate ringfort, 24 m in diameter. Well-preserved with field systems to NE covering up to 15 ha. RMP places this 13 m south of its actual location. ITM: 526436 650290**	**1**
526990	650174	Castle - tower house	LI010-013	Churchfield	Shanid	Robertstown		6	Robertstown Castle. Very little visible in lidar or APs.	1
526286	649785	Ringfort - rath	LI010-066	Sroolane North	Shanid	Robertstown		6	Modern house at this location. No visible trace remains of monument	0
526914	649791	Ringfort - rath	LI010-068	Robertstown	Shanid	Robertstown	AH3	6	Modern house at this location. No visible trace remains of monument	0
527009	649997	Church	LI010-069001	Robertstown	Shanid	Robertstown	BH41 AH121	1	Within LI010-069002. Little of note visible beyond modern graveyard use	1
527010	650003	Graveyard	LI010-069002	Robertstown	Shanid	Robertstown	BH41 AH121	1	Walled graveyard within sub-rectangular enclosure 54 x 47 m. Hollow-way access route visible to NW. Previously identified as BH4	1
527376	649346	Ringfort - rath	LI010-070	Robertstown	Shanid	Robertstown	AH5	15	Well-preserved ringfort under scrub. Associated field systems to west covering up to 14 ha. 25 m diameter	1
527635	649591	Burial ground	LI010-071	Robertstown	Shanid	Robertstown	AH6	7	Burial ground. Disturbed by cattle feeders and no obvious trace in elevation data.	2
528027	649674	Ringfort - rath	LI010-073	Rincullia	Shanid	Robertstown	AH11	7	Ringfort, possibly bivallate, under heavy woodland. 46 m diameter.	1
528231	**649430**	**Enclosure**	**LI010-074**	**Rincullia**	**Shanid**	**Robertstown**	**AH8**	**15**	**Roughly circular enclosure, truncated to east, under heavy woodland. 42 m diameter.**	**1**
528546	649825	Ringfort - rath	LI010-079	Craggs	Shanid	Robertstown		8	Modern house at this location. No visible trace remains of monument.	0
528802	**649319**	**Ringfort - rath**	**LI010-081**	**Craggs**	**Shanid**	**Kilmoylan**	**AH9**	**16**	**Modern quarry at this location. No visible trace remains of monument.**	**0**
529165	649640	Ringfort - rath	LI010-084	Craggs	Shanid	Robertstown		8	Under heavy woodland, but no obvious trace remains. Requires ground survey to check.	0

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529313	649135	Enclosure	LI010-087	Craggs	Shanid	Kilmoylan	AH10	17	Ringfort under heavy woodland. Possibly subsidiary structure to SE, 11.5 m diameter, and associated field system to west. 31 m diameter.	1
529743	648955	Ringfort - cashel	LI010-090	Mulderricksfield	Shanid	Kilmoylan		17	Plectrum-shaped enclosure under heavy woodland. Some suggestion of internal differentiation. Possibly associated with 17.6. 25.5 m diameter	1
530633	648974	Ringfort - rath	LI010-097	Ballyclogh (Connello Lower By.)	Connello Lower	Lismakeery	AH15	18	No visible trace of the site remains. 6 inch mapping shows enclosure 20 m diameter.	0
530634	649059	Ringfort - rath	LI010-098	Ballyclogh (Connello Lower By.)	Connello Lower	Lismakeery	AH14	18	Little indication at location suggested by RMP. Possible curving parchmark in AP, but no topographic expression.	0
530646	649365	Ringfort - rath	LI010-099	Mulderricksfield	Shanid	Kilmoylan	AH13	18	No indications at location indicated by RMP; however, possibly remaining in location suggested by 6-inch map.	0
532425	649495	Enclosure	LI010-103	Cloonreask	Connello Lower	Askeaton		20	Ditched enclosure, 32 m diameter defined by U-shaped fosse, 4 m across	1
526896	650065	Mill - unclassified	LI010-106	Sroolane North	Shanid	Robertstown	AH2	6	Not suitable for comment using aerial methods	0
533068	649879	Ringfort - rath	LI010-107	Cloonreask	Connello Lower	Askeaton		12	Ditched enclosure cut by field boundary and truncated to NE. c. 33.3 m diameter	1
531140	649523	Pit	LI010-134	Ballyellinan	Connello Lower	Lismakeery	AH16	18	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West. No visible trace remains	4
526703	649337	Excavation - miscellaneous	LI010-136001 -	Inchagreenoge	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0899). No visible trace remains	4
526703	649337	Road - unclassified togher	LI010-136002	Inchagreenoge	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0899). No visible trace remains	4
526703	649337	Fulacht fia	LI010-136003	Inchagreenoge	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0899). No visible trace remains	4
526703	649337	Fulacht fia	LI010-136004	Inchagreenoge	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0899). No visible trace remains	4
526703	649337	Burial	LI010-136005	Inchagreenoge	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0899). No visible trace remains	4
526703	649337	Excavation - miscellaneous	LI010-136006	Inchagreenoge	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0899). No visible trace remains	4
528084	649371	Excavation - miscellaneous	LI010-140	Rincullia	Shanid	Robertstown	CH7 AH7	15	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0752). No visible trace remains	4
528474	649595	Burnt mound	LI010-141001	Rincullia	Shanid	Robertstown	AH12	8	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0670). No visible trace remains	4
528474	649595	Pit	LI010-141002	Rincullia	Shanid	Robertstown	AH12	8	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0670). No visible trace remains	4
528471	649598	Road - gravel/stone trackway - peatland	LI010-141003	Rincullia	Shanid	Robertstown	AH12	8	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0670). No visible trace remains	4

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526786	649360	Burnt mound	LI010-142	Robertstown	Shanid	Robertstown		14	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0832). No visible trace remains	4
527057	649798	Enclosure	LI010-144	Robertstown	Shanid	Robertstown	AH4	6	Ringfort in pasture, with associated field system to north and possibly SW. 34 m diameter. Possible rectangular building within southern enclosure and conjoined enclosure to north, 24 m diameter. Located to SW of RMP location at ITM 527041 649784	1
531858	649429	Fulacht fia	LI010-149	Ballycullen	Connello Lower	Lismakeery	AH17	19	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0748). No visible trace remains	4
533273	650198	Ringfort - rath	LI011-090	Cloonreask	Connello Lower	Askeaton		13	Northern section of site remains as horse-shoe shaped sunken area. Suggestion of quarrying. 38 m diameter	2
551087	648829	Enclosure	LI012-085	Ballybronoge North	Pubblebrien	Killonahan		22	Probable ringfort. Central platform c. 19 m diameter, surrounded by fosse, c. 3.8 m across. Possibly open to the east.	1
551355	648766	Designed landscape feature	LI012-138	Attyflin	Pubblebrien	Killonahan		23	Excavated as part of the N20/N21 Adare–Annacotty road scheme (97E0292). No visible trace remains	0
530005	648768	Ringfort - rath	LI019-048	Craggs	Shanid	Kilmoylan		17	Substantial ringfort, 48 m diameter. Possible entrance to SE. Under heavy woodland.	1
531375	648522	Ringfort - rath	LI019-058	Ballyclogh (Connello Lower By.)	Connello Lower	Lismakeery		24	Well-preserved ringfort under heavy woodland. Field systems to east (c. 74 x 51 m). 23 m diameter. Small, circular structure (4.5 m diameter) in southern part.	1
531765	648827	Castle - unclassified	LI019-059	Ballycullen	Connello Lower	Lismakeery	BH19 DL8 AH79	19	Not suitable for comment using aerial methods	4
531934	648729	Redundant record	LI019-060	Ballycullen	Connello Lower	Lismakeery	DL8 AH80	19	Recorded as natural gravel mound	4
532401	**648464**	**Ringfort - rath**	**LI019-064**	**Lismakeery**	**Connello Lower**	**Lismakeery**		**25**	**LI019-064. Large, bi- or possibly trivallate ringfort. Outer vallation largely destroyed but remains to N and SE, with traces to SW. Overall diameter to 2nd vallation is 67 m, surrounded by an outer ditch suggesting possible 3rd vallation.**	**1**
529478	648859	Enclosure	LI019-238	Craggs	Shanid	Kilmoylan		17	Ringfort, plectrum-shaped. Diameter 30m. Under heavy woodland.	1
533114	648488	Pit	LI019-267	Baunreagh	Connello Lower	Askeaton	AH82	25	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0661). No visible trace remains	4
532803	648790	Fulacht fia	LI019-268	Baunreagh	Connello Lower	Askeaton	AH81	20	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0750). No visible trace remains	4
532786	648790	Fulacht fia	LI019-269	Baunreagh	Connello Lower	Lismakeery	AH81	20	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0750). No visible trace remains	4
533471	648136	Enclosure	LI020-002	Ballynacaheragh	Connello Lower	Askeaton	AH84	26	Probable ringfort under heavy woodland. 34 x 27 m.	1
533994	647310	Ringfort - rath	LI020-003	Milltown North	Connello Lower	Lismakeery		34	Well-preserved ringfort, 29 x 34 m diameter with substantial outer fosse.	1
534100	647155	Ringfort - cashel	LI020-004001	Milltown North	Connello Lower	Lismakeery	AH88	34	Substantial cashel, partially demolished to SE probably representing original entrance. Internal diameter 46.4 m, walls up to 4.5 m thick. Internal wall in NE of enclosure	1
534088	647144	Castle - tower house	LI020-004002	Milltown North	Connello Lower	Lismakeery	AH88	34	Slight trace of rectangular platform, but barely discernible	1

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534346	**647273**	**Enclosure**	**LI020-005**	**Milltown North**	**Connello Lower**	**Lismakeery**	**AH87**	**35**	**No visible trace remains. Covered by dredging.**	**0**
534688	647603	Ringfort - rath	LI020-006	Boolaglass	Connello Lower	Nantinan		27	Small ringfort under heavy woodland. 27 m diameter	1
534778	646746	Ringfort - rath	LI020-007	Boolaglass	Connello Lower	Nantinan	AH86	35	Ringfort under heavy woodland. 30 m diameter.	1
534769	645522	Ringfort - rath	LI020-052	Feeagh	Connello Lower	Nantinan	AH90	52	Enclosure with broad fosse and central mound. Fosse over 8 m across with central area only 34 m diameter. Possible barrow. Heavily impacted by modern farm access	1
534866	645657	Ringfort - rath	LI020-053	Feeagh	Connello Lower	Nantinan	AH89	46	Well-preserved ringfort, 31 m diameter, entrance to the SW. Pipeline visible to NE	1
534929	646366	Ringfort - rath	LI020-054	Nantinan	Connello Lower	Nantinan		46	Large, well-preserved bivallate ringfort under heavy forestry. 31 x 25 m. Entrance to SE	1
535478	645636	Ritual site - holy well	LI020-055	Ardgoul South	Connello Lower	Nantinan		47	Not suitable for comment using aerial methods	4
535388	645900	Church	LI020-056001	Nantinan	Connello Lower	Nantinan	DL11	47	Not suitable for comment using aerial methods	1
535389	645878	Graveyard	LI020-056002	Nantinan	Connello Lower	Nantinan	DL11	47	Rectangular graveyard (60 x 59 m), entrance from SE. Part of an area of significant archaeology including further field systems and enclosures (including site 47.1) to the northeast.	1
535475	644716	Ringfort - cashel	LI020-057	Graigeen	Connello Lower	Nantinan	DL12	53	Substantial cashel, entrance probably in NW. Part of an extensive archaeological complex (57.1; 53.2; 53.3; 53.4). Internal diameter 29.2 m, walls up to 7.5 m thick to the south.	1
536137	644447	Ringfort - rath	LI020-058	Ballingarrane	Connello Lower	Nantinan	AH92	57	Slight trace of a circular enclosed area, 16.5 m diameter. No other visible trace remains.	0
536170	644662	Ringfort - rath	LI020-059	Ballingarrane	Connello Lower	Nantinan	AH91	53	Ringfort, truncated to the east. 27.2 m diameter. Semi-circular interior structure to west, 12 m diameter	1
536237	644325	Ringfort - rath	LI020-060	Ballingarrane	Connello Lower	Nantinan	AH93	57	Probable ringfort. Northern section levelled. Southern section well-preserved under forestry. 37 m diameter	1
541530	644895	Ringfort - rath	LI020-086	Ballinvira	Connello Lower	Cappagh		54	Under very heavy woodland. Bank apparently well-preserved, diameter 33 x 28 m	1
541629	644636	Enclosure	LI020-087	Graigue (Connello Lower By., Croagh Ed)	Connello Lower	Clonshire	AH118	54	Probable ringfort. Well preserved to east, but largely denuded to west. 26 m diameter	1
541677	**644522**	**Ringfort - rath**	**LI020-088**	**Graigue (Connello Lower By., Croagh Ed)**	**Connello Lower**	**Clonshire**	**AH117**	**61**	**Truncated to the east and possibly quarried in the centre. Broad external fosse, 6.2 m across preserved to SW. Internal diameter c. 21 m**	**1**
542139	645347	Ritual site - holy well	LI020-093	Ballinvira	Connello Lower	Croagh		54	Not suitable for comment using aerial methods	4
542788	645257	Ringfort - rath	LI020-095	Clonshire More	Connello Lower	Clonshire	AH120	55	Well-preserved ringfort under woodland. Breaks in bank to east and south. Suggestion of internal structure at north. 29.7 m diameter	1
536257	642766	Crannog	LI020-113	Kyletaun	Connello Lower	Rathkeale	AH95	63	Circular platform surrounded by slight ditch. 29 m diameter	1
536726	643397	Burial ground	LI020-114	Kyletaun	Connello Lower	Rathkeale	AH94	64	Not suitable for comment using aerial methods	0

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537231	**642621**	**Redundant record**	**LI020-115**	**Wolfesburgess East**	**Connello Lower**	**Rathkeale**	**AH111**	**64**	No obvious trace from aerial survey but survey note in RMP suggests there may be dredged material at this location	**4**
538614	**642547**	**Enclosure**	**LI020-116**	**Amogan Beg**	**Connello Lower**	**Croagh**	**AH113**	**73**	**No obvious trace from aerial survey.**	**0**
538729	642506	Redundant record	LI020-117	Amogan Beg	Connello Lower	Croagh	AH114	73	Reported to be a natural feature	4
539486	643650	Ringfort - rath	LI020-119	Clogh East	Connello Lower	Croagh		59	Slight trace of western half visible as very low, curving bank. Probable original diameter c. 29 m	1
539594	642687	Ringfort - rath	LI020-120	Amogan Beg	Connello Lower	Croagh	AH116	67	Very denuded, 40 m diameter with external fosse. Located to NW of RMP location at ITM 539563 642702	1
540193	643740	Ringfort - rath	LI020-121	Croagh	Connello Lower	Croagh		59	Somewhat disturbed and heavily vegetated. Suggestion of some internal differentiation (semi-concentric ditches). Original dimensions 31 x 26 m	1
540447	642838	Ringfort - rath	LI020-122	Ballycannon	Connello Lower	Croagh		68	Ringfort, well-preserved under woodland to south, largely levelled to north. 31 m diameter	1
540809	642878	Castle - unclassified	LI020-123001	Adamswood	Connello Lower	Croagh		68	No obvious trace from aerial survey.	1
540835	642905	Graveyard	LI020-123002	Adamswood	Connello Lower	Croagh		68	Walled graveyard, 65 x 42 m	1
540840	642907	Church	LI020-123003	Adamswood	Connello Lower	Croagh		68	Unsuitable for comment using airborne lidar.	1
542510	643871	Ringfort - rath	LI020-126	Coolballyshane	Connello Lower	Clonshire		62	Well-preserved ringfort with broad outer fosse, 7 m across. Possible causeway to SE and depressed centrally. Internal diameter 36 m	1
542353	643988	Mill - corn	LI020-132	Coolballyshane	Connello Lower	Clonshire		62	Not suitable for comment using aerial methods	4
535194	646020	Mill - unclassified	LI020-135	Feeagh	Connello Lower	Nantinan		46	Not suitable for comment using aerial methods	4
539594	643067	Ringfort - rath	LI020-137	Ballycannon	Connello Lower	Croagh	AH115	67	No visible trace of the site remains.	0
537149	**642527**	**Redundant record**	**LI020-152**	**Rathkeale**	**Connello Lower**	**Rathkeale**	**AH123**	**71**	**RMP reports no archaeological significance**	**4**
536820	642935	Standing stone	LI020-156	Rathkeale	Connello Lower	Rathkeale	AH110	64	Appears to have been incorporated into foundation of large, incomplete house. Possibly removed	0
542311	644706	Castle - hall-house	LI020-159	Clonshire More	Connello Lower	Clonshire	BH39 AH119	55	Data unsuitable to comment on building. Apparent related field system to SE, impacted by modern building development.	1
533248	**648355**	**Fulacht fia**	**LI020-163001**	**Baunreagh**	**Connello Lower**	**Askeaton**	**AH83**	**25**	**Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0741). No visible trace remains**	**4**
533248	**648355**	**Excavation - miscellaneous**	**LI020-163002**	**Baunreagh**	**Connello Lower**	**Askeaton**	**AH83**	**25**	**Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0741). No visible trace remains**	**4**
541336	642953	Fulacht fia	LI020-171001	Adamswood	Connello Lower	Croagh		69	Excavated in advance of the Croagh Sewerage Scheme (02E1213). No visible trace remains	4
541336	642953	Fulacht fia	LI020-171002	Adamswood	Connello Lower	Croagh		69	Excavated in advance of the Croagh Sewerage Scheme (02E1213). No visible trace remains	4

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541188	642947	Fulacht fia	LI020-172001	Adamswood	Connello Lower	Croagh		68	Excavated in advance of the Croagh Sewerage Scheme (02E1214). No visible trace remains	4
541188	642947	Fulacht fia	LI020-172002	Adamswood	Connello Lower	Croagh		68	Excavated in advance of the Croagh Sewerage Scheme (02E1213). No visible trace remains	4
541188	642947	Fulacht fia	LI020-172003	Adamswood	Connello Lower	Croagh		68	Excavated in advance of the Croagh Sewerage Scheme (02E1213). No visible trace remains	4
541188	642947	Fulacht fia	LI020-172004	Adamswood	Connello Lower	Croagh		68	Excavated in advance of the Croagh Sewerage Scheme (02E1213). No visible trace remains	4
541188	642947	Fulacht fia	LI020-172005	Adamswood	Connello Lower	Croagh		68	Excavated in advance of the Croagh Sewerage Scheme (02E1213). No visible trace remains	4
540903	642927	Fulacht fia	LI020-174	Adamswood	Connello Lower	Croagh		68	Excavated in advance of the Croagh Sewerage Scheme (01E1087). No visible trace remains	4
533814	647719	Fulacht fia	LI020-175	Milltown North	Connello Lower	Lismakeery	AH85	26	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0643). No visible trace remains	4
534100	647155	Souterrain	LI020-176	Milltown North	Connello Lower	Lismakeery	AH88	34	Suggestion of sunken area possibly representing the infilled souterrain.	1
533764	647755	Excavation - miscellaneous	LI020-177	Milltown North	Connello Lower	Lismakeery	AH85	26	Excavated in advance of the Bord Gais Eireann Gas Pipeline to the West (02E0644). No visible trace remains	4
543223	646356	Mill - unclassified	LI021-002	Tuogh (Kenry By.)	Kenry	Adare	AH108	48	Not suitable for comment using aerial methods	4
543866	**646407**	**Ringfort - rath**	**LI021-005**	**Tuogh (Kenry By.)**	**Kenry**	**Adare**	**AH109**	**49**	**Oval ringfort under heavy woodland. Well preserved to south but has been cut for field access to north. 29 x 25 m**	**1**
546322	**647176**	**Enclosure**	**LI021-010**	**Ardshanbally**	**Coshma**	**Adare**	**CH16 AH58**	**40**	**Probable ringfort. Removed by railway construction. Original diameter 13 m**	**0**
547207	**647332**	**Enclosure**	**LI021-011001**	**Mondellihy**	**Coshma**	**Adare**	**AH62**	**40**	**Southern of two conjoined enclosures. Probable ringfort, 30 m diameter. Both monuments currently quite denuded.**	**1**
547205	**647362**	**Enclosure**	**LI021-011002**	**Mondellihy**	**Coshma**	**Adare**	**AH62**	**40**	**Northern of two conjoined enclosures. Probable ringfort, 29 m diameter.**	**1**
548482	647846	Enclosure	LI021-014	Kilgobbin	Coshma	Adare	AH68	30	Probable ringfort. Substantially levelled. NW section of interior platform remains along with fosse, but central area seems to have been quarried. Original enclosed area c. 42 m diameter with fosse c. 8 m across	1
548792	**647626**	**Enclosure**	**LI021-015**	**Rineroe**	**Coshma**	**Adare**	**AH69**	**30**	**Probable ringfort. Located 40 m NW of RMP location. 36.5 m diameter central platform surrounded by shallow fosse.**	**2**
549915	**647866**	**Moated site**	**LI021-017**	**Gorteen (Pubblebrien By.)**	**Pubblebrien**	**Croom**	**AH72**	**31**	**Marked as moated site but apparent ringfort on 6-inch series, 33.7 m diameter. No surviving trace but moated site may refer to enclosure 11.2 to the east**	**3**
550220	648282	Enclosure	LI021-018	Ballycarrane	Pubblebrien	Croom	AH73	31	Probable ringfort. Almost entirely levelled. Still visible as very slight enclosure, 34.9 m diameter. 30 m north of RMP position at ITM 550212 648312	2
550231	647672	Enclosure	LI021-020	Killeen (Coshma By)	Coshma	Adare		31	Eastern side of enclosure with some internal differentiation. 6 inch map only marks bivallate eastern side only. Surviving portion 49m N-S, with form suggesting that the E-W measurement would have been c. 79 m.	1
550571	648426	Enclosure	LI021-021	Ballybronoge South	Pubblebrien	Killonahan	DL18 AH74	8	Probable ringfort. Removed by railway. Small section remains to the north. 28 m diameter from 6-inch mapping. Located within DL12	2

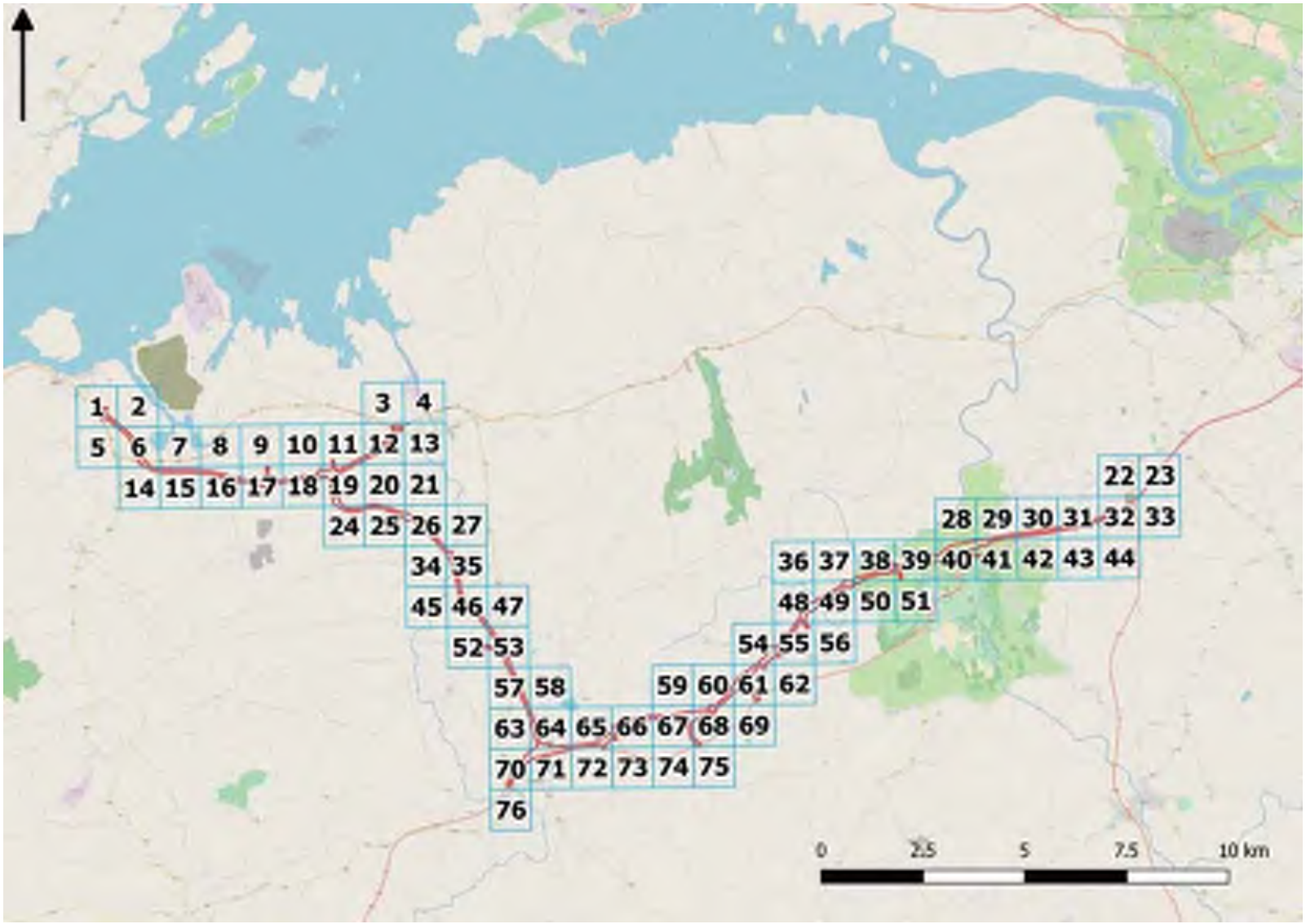
Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
551085	648060	Settlement deserted - medieval	LI021-025001	Ballybronoge South	Pubblebrien	Killonahan	DL18	32	Extensive network of enclosure and field systems. Partially excavated in advance of the N20/N21 Adare-Limerick road project. Occupies an area of c. 1500m2	1
551114	648002	Burial ground	LI021-025002	Ballybronoge South	Pubblebrien	Killonahan	DL18	32	Visible as D-shaped enclosure, 21 x 41 m	1
551114	648002	Road - road/trackway	LI021-025003	Ballybronoge South	Pubblebrien	Killonahan	DL18	32	Visible as hollow-way approx. W-E direction for over 300 m, 6 m across.	1
551472	648460	Enclosure	LI021-027	Attyflin	Pubblebrien	Killonahan	AH78	33	Approximately square enclosure defined by narrow bank, 30 m x 30 m. Possible demesne feature of Attyflin House	2
543034	644666	Church	LI021-029001	Clonshire More	Connello Lower	Clonshire		55	Not suitable for comment using aerial methods	1
543043	644676	Graveyard	LI021-029002	Clonshire More	Connello Lower	Clonshire		55	Walled grayeyard, 62 x 32 m	1
543043	644676	Cross	LI021-029003	Clonshire More	Connello Lower	Clonshire		55	Not suitable for comment using aerial methods	1
543042	644677	Cross	LI021-029004	Clonshire More	Connello Lower	Clonshire		55	Not suitable for comment using aerial methods	1
547020	646882	Chapel	LI021-032011	Adare	Coshma	Adare	DL16	40	Not suitable for comment using aerial methods	1
549002	648216	Enclosure	LI021-115	Ballyloughnaan	Pubblebrien	Croom		30	Probable ringfort. No visible trace remains. Original diameter 18.5 m	0
545574	647205	Enclosure	LI021-118	Islandea	Coshma	Adare	AH55	39	Possible enclosure. Comprises a circular mound, 37 m diameter, with traces of an external ditch	2
549341	647606	Enclosure	LI021-121	Monearla	Coshma	Adare	AH70	31	Probable ringfort. Very low profile oval enclosure with broad outer fosse. Internal area 27 x 31 m	1
551161	648416	Redundant record	LI021-122	Ballybronoge South	Pubblebrien	Killonahan		32	Recorded as of no archaeological significance (96E380)	4
546602	**647346**	**Enclosure**	**LI021-143**	**Ardshanbally**	**Coshma**	**Adare**	**AH60**	**40**	**Substantial modification makes it difficult to determine if any of the monument remains.**	**0**
546812	**647336**	**Enclosure**	**LI021-144**	**Ardshanbally**	**Coshma**	**Adare**	**AH61**	**40**	**No suggestion of enclosure in 6-inch series or aerial surveys.**	**0**
547362	647376	Enclosure	LI021-145	Mondellihy	Coshma	Adare	AH63	41	No visible trace remains.	2
547619	**647521**	**Enclosure**	**LI021-146**	**Kilgobbin**	**Coshma**	**Adare**	**AH64**	**41**	**No indication of enclosure in 6-inch mapping.**	**0**
547752	**647516**	**Enclosure**	**LI021-147001**	**Kilgobbin**	**Coshma**	**Adare**	**AH65**	**41**	**No visible trace remains.**	**0**

Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
547752	**647576**	**Enclosure**	**LI021-147002**	**Kilgobbin**	**Coshma**	**Adare**	**AH65**	**29**	**No visible trace remains.**	**0**
548522	**647636**	**Enclosure**	**LI021-148**	**Kilgobbin**	**Coshma**	**Adare**	**AH67**	**30**	**No suggestion in early mapping and no trace in aerial survey.**	**0**
546302	**647066**	**Enclosure**	**LI021-149**	**Ardshanbally**	**Coshma**	**Adare**	**AH57**	**40**	**No visible trace remains**	**0**
547692	647066	Enclosure	LI021-150	Rineroe	Coshma	Adare		41	No visible trace remains.	0
546114	646759	Enclosure	LI021-151001	Ardshanbally	Coshma	Adare		39	No visible trace remains.	0
546192	646795	Enclosure	LI021-151002	Ardshanbally	Coshma	Adare		39	No visible trace remains.	0
551061	**648446**	**Ring-ditch**	**LI021-167**	**Ballybronoge South**	**Pubblebrien**	**Killonahan**	**DL18 AH75**	**32**	**Excavated as part of N20/N21 road improvement scheme (98E0506)**	**4**
546511	**647300**	**Fulacht fia**	**LI021-173**	**Ardshanbally**	**Coshma**	**Adare**	**AH59**	**40**	**Excavated in advance of infrastructural works (no record on excavations.ie)**	**4**
551305	648480	Fulacht fia	LI021-177	Attyflin	Pubblebrien	Killonahan	AH76	33	Excavated as part of N20/N21 road improvement scheme (98E0506)	4
551412	648761	Fulacht fia	LI021-178	Attyflin	Pubblebrien	Killonahan		23	Excavated as part of N20/N21 road improvement scheme (98E0506)	0
548255	647563	Excavation - miscellaneous	LI021-179	Kilgobbin	Coshma	Adare	AH66	41	Excavated as part of N20/N21 road improvement scheme (98E0506)	4
549918	**647908**	**Kiln - corn-drying**	**LI021-180**	**Gorteen (Pubblebrien By.)**	**Pubblebrien**	**Croom**	**AH72**	**31**	**Excavated as part of N20/N21 road improvement scheme (98E0506)**	**4**
549561	**647846**	**Fulacht fia**	**LI021-181001**	**Ballycarrane**	**Pubblebrien**	**Croom**	**DL17 AH71**	**31**	**Excavated in advance of infrastructural works (no record on excavations.ie)**	**4**
549561	**647846**	**Fulacht fia**	**LI021-181002**	**Ballycarrane**	**Pubblebrien**	**Croom**	**DL17 AH71**	**31**	**Excavated in advance of infrastructural works (no record on excavations.ie)**	**4**
551412	648761	Fulacht fia	LI021-183	Attyflin	Pubblebrien	Killonahan		23	Excavated as part of N20/N21 road improvement scheme (98E0506)	0
551109	648387	Hearth	LI021-185	Ballybronoge South	Pubblebrien	Killonahan	DL18	32	Excavated as part of N20/N21 road improvement scheme (98E0506)	4
549870	**647855**	**Kiln - corn-drying**	**LI021-187**	**Gorteen (Pubblebrien By.)**	**Pubblebrien**	**Croom**	**DL17**	**31**	**Excavated as part of N20/N21 road improvement scheme (98E0506)**	**4**
535330	641491	Ringfort - rath	LI029-023	Wolfesburgess West	Connello Lower	Rathkeale		76	Small ringfort, 28 m diameter, apparently with internal enclosure. Modified by garden feature	1

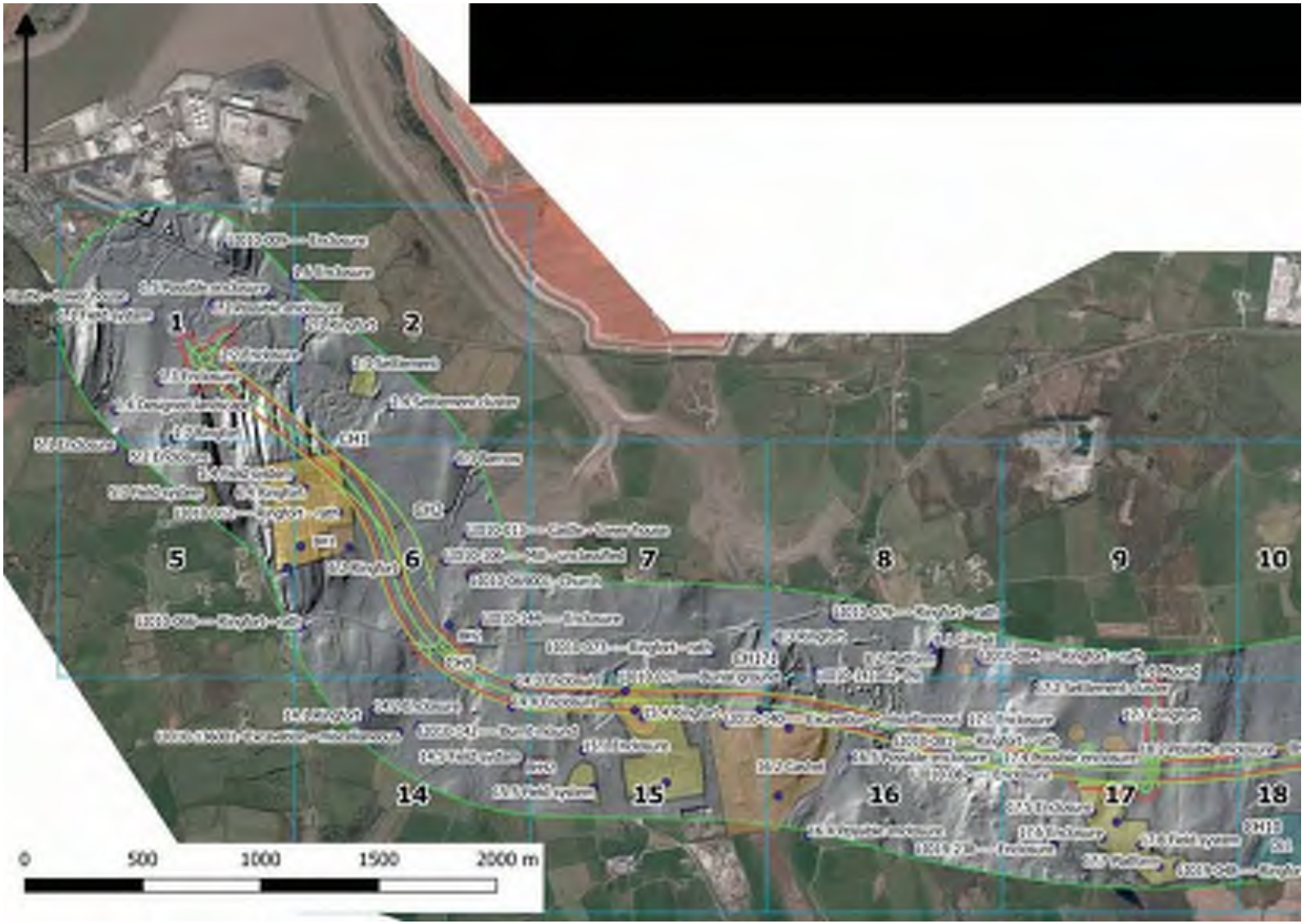
Easting	Northing	Site Type	Code/SMR	Townland	Barony	Parish	Constraint	Grid	Brief Description	Confidence
536500	642323	Standing stone	LI029-029	Rathkeale	Connello Lower	Rathkeale	AH96	71	Not suitable for comment using aerial methods	4
536183	641649	Historic town	LI029-031001	Abbeylands, English Tenements, Enniscoush, Rathkeale	Connello Lower	Rathkeale		70	Not suitable for comment using aerial methods	1
536017	641459	Bridge	LI029-031002	English Tenements, Enniscoush, Rathkeale	Connello Lower	Rathkeale		76	Not suitable for comment using aerial methods	1
537721	642234	Ringfort - rath	LI029-034	Blossomhill (Connello Lower By.)	Connello Lower	Rathkeale		72	Largely levelled. Section of northern bank is all that remains. Original diameter c. 23 m but already marked as damaged in 6-inch series	1
537819	642453	Ringfort - rath	LI029-037	Blossomhill (Connello Lower By.)	Connello Lower	Rathkeale	AH112	72	Substantially levelled save for northern section. Diameter c. 37 x 34 m	1
539725	642390	Ringfort - rath	LI029-042	Amogan Beg	Connello Lower	Croagh		74	Substantial ringfort with broad external fosse. Possible entrance in NW. Interior area sunken, 42 m diameter. External diameter 49 m	1

Appendix 2: Overview of grid system and visualisations[2]

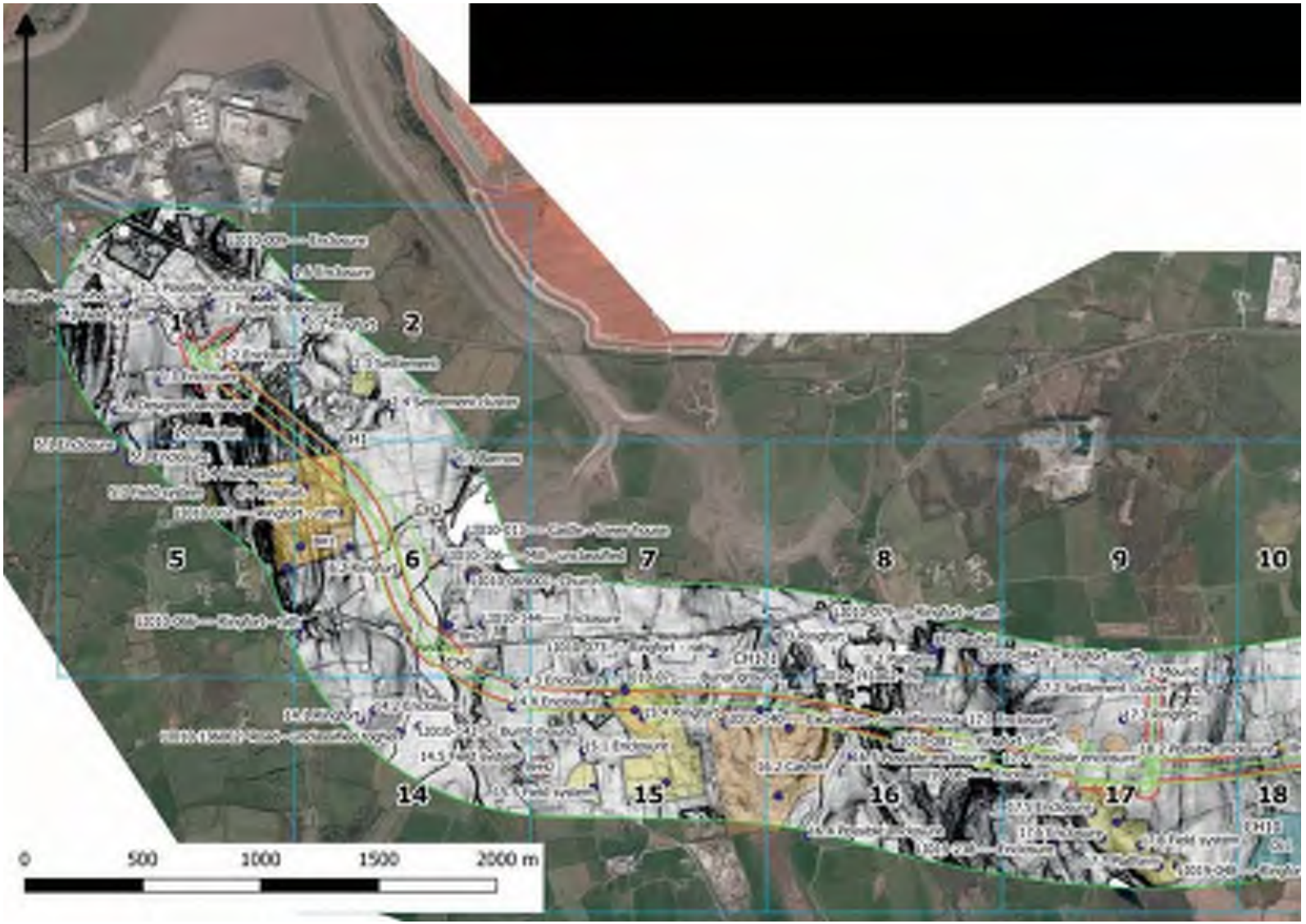
[2] In the following image catalogue the route is illustrated from west to east as opposed to respecting strict grid-square order



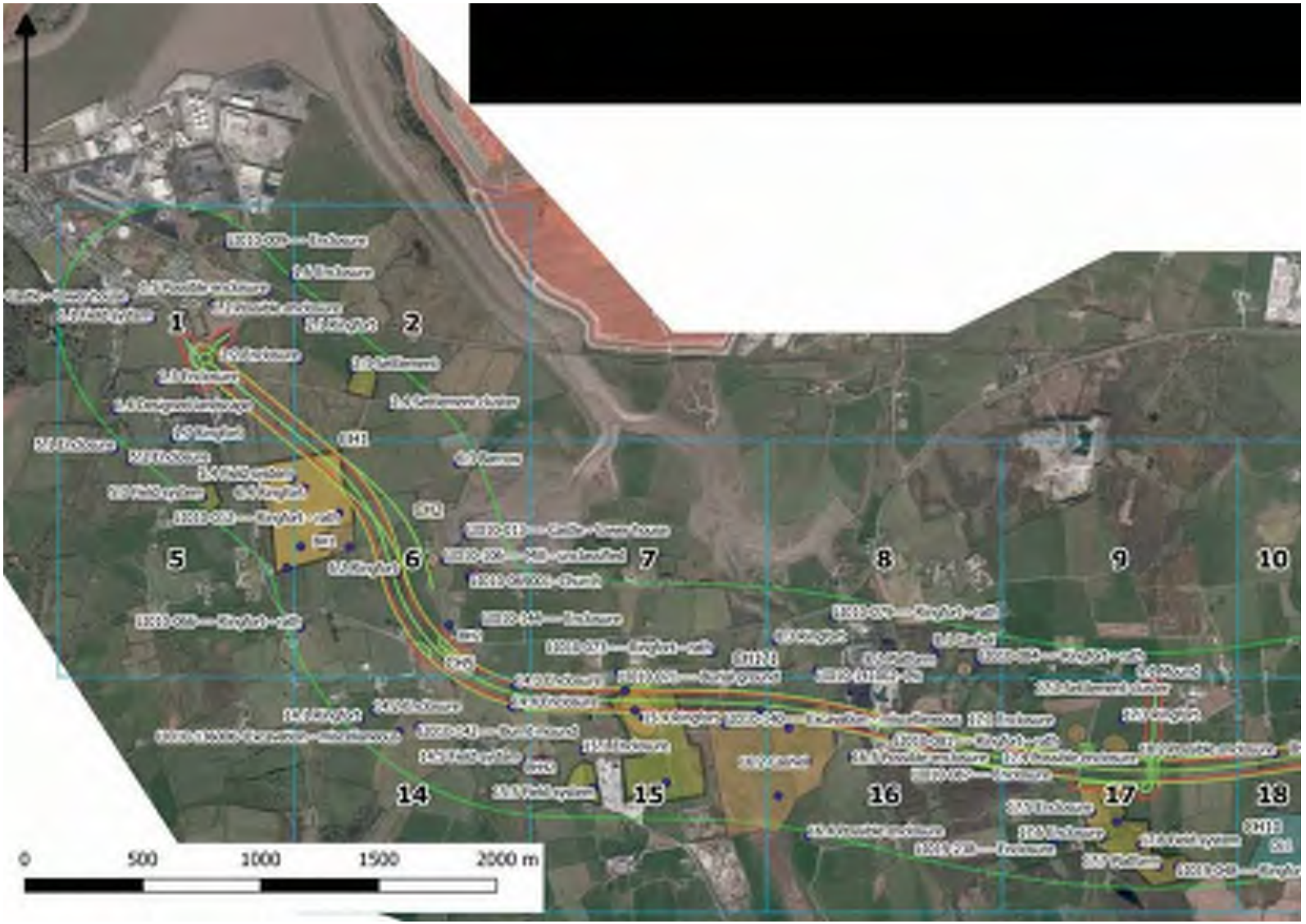
Overview of 1 km grid catalogue (OpenStreetmap base map)



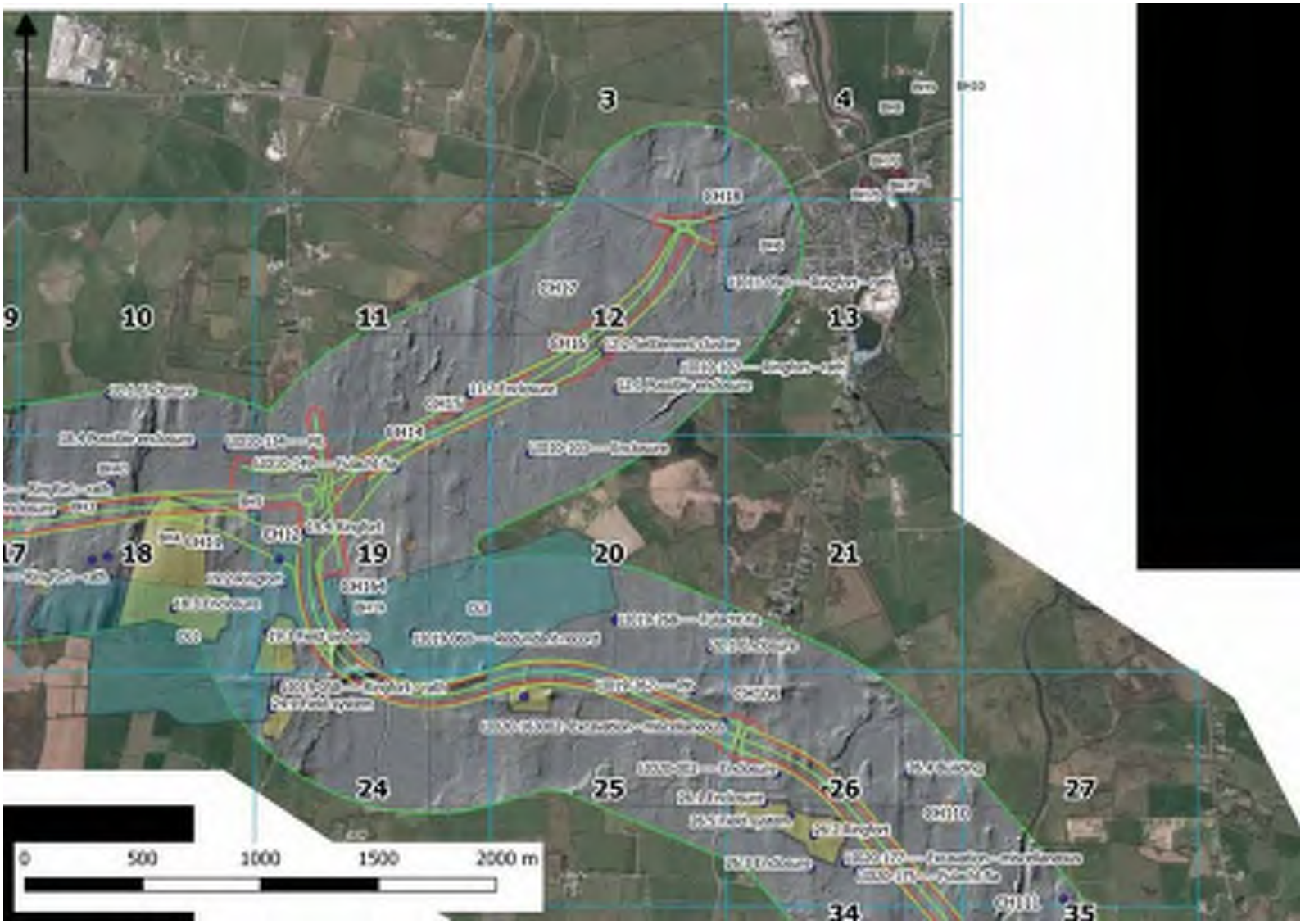
Grids 1;2;5;6;7;8;9;14;15;16;17. 16-direction hillshade. Scheme orthophotography base layer.



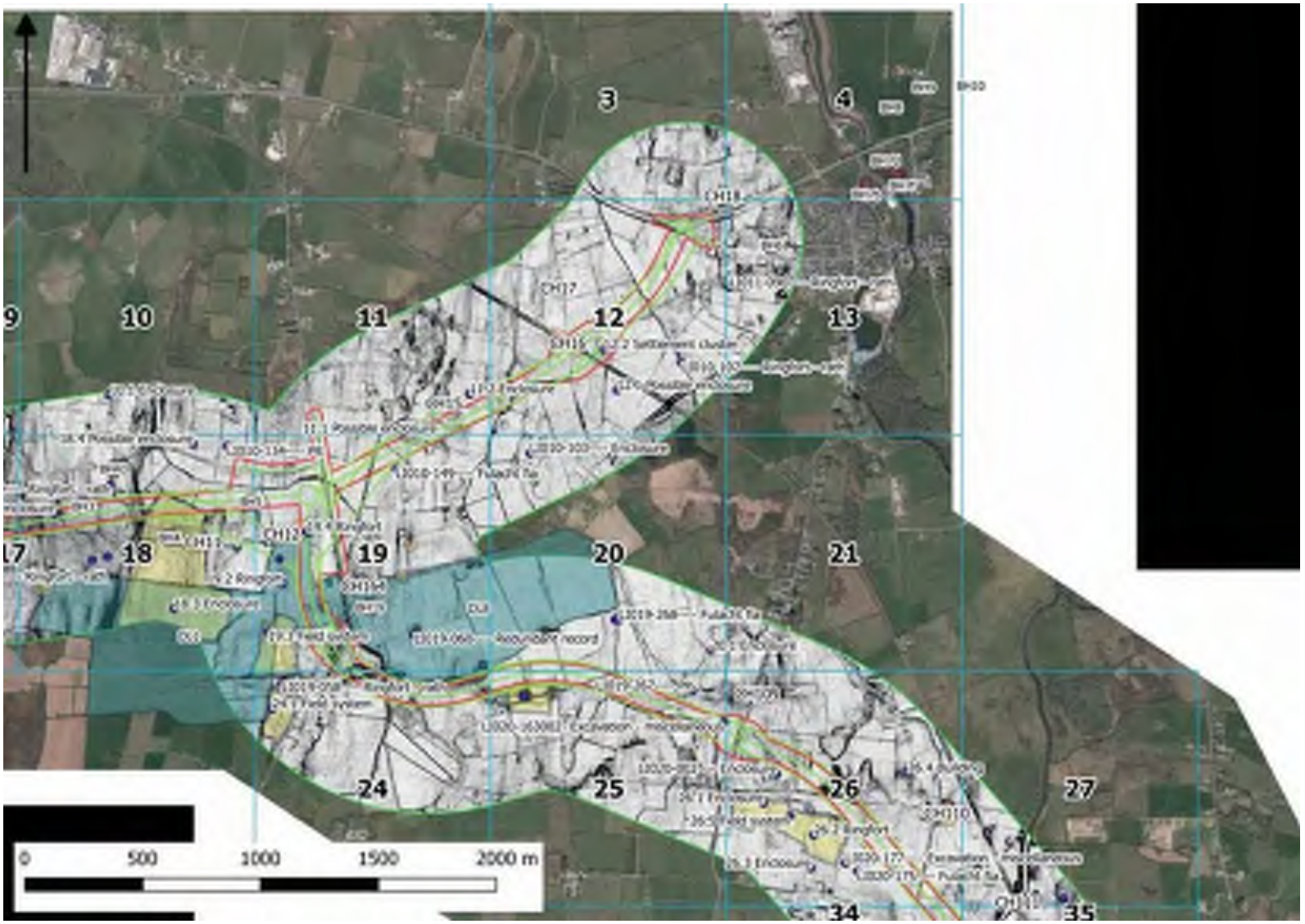
Grids 1;2;5;6;7;8;9;14;15;16;17. SkyView Factor. Scheme orthophotography base layer.



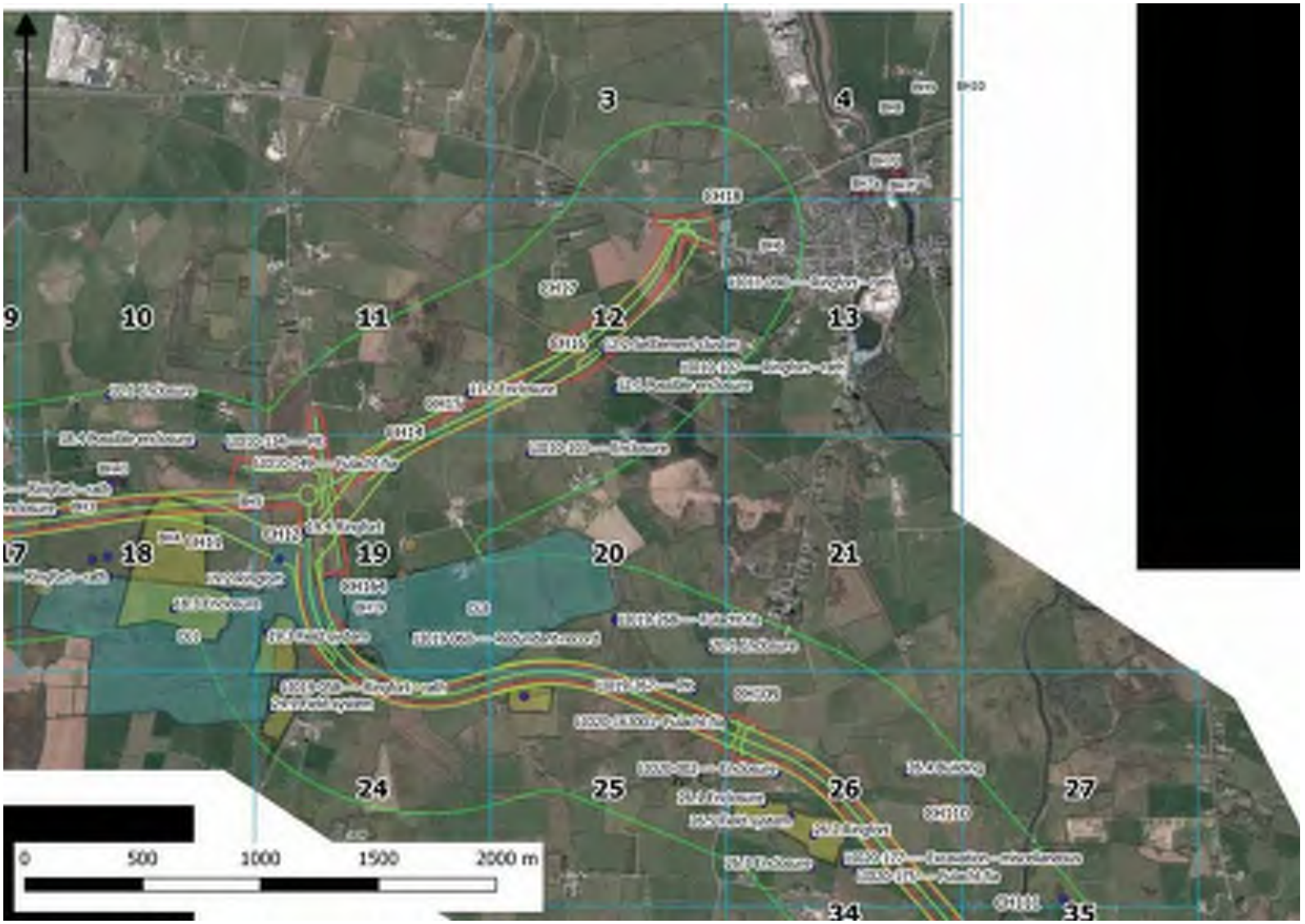
Grids 1;2;5;6;7;8;9;14;15;16;17. Scheme orthophotograph.



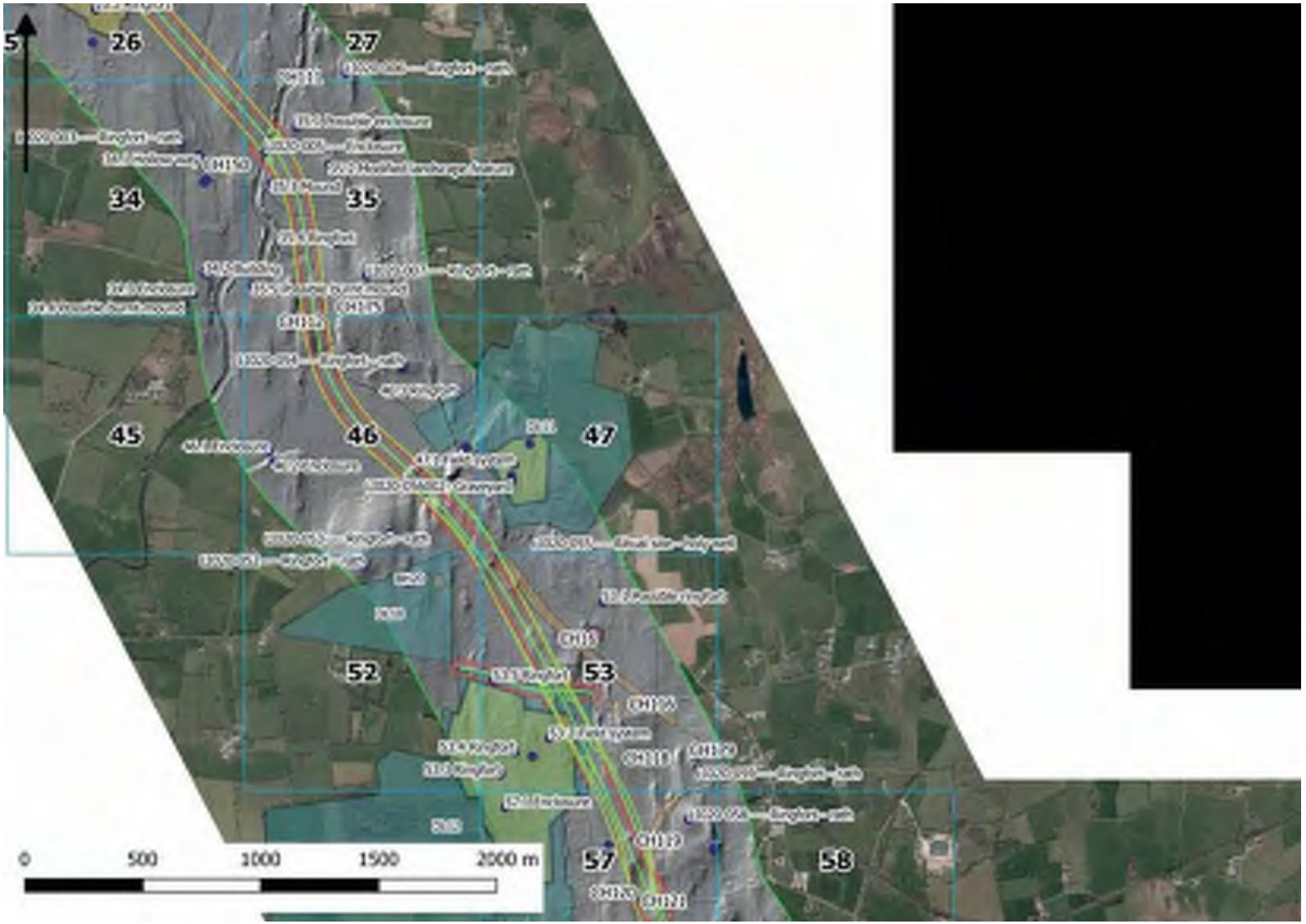
Grids 3;4;10;11;12;13;18;19;20;21;24;25;26;27. 16-direction hillshade. Scheme orthophotography base layer.



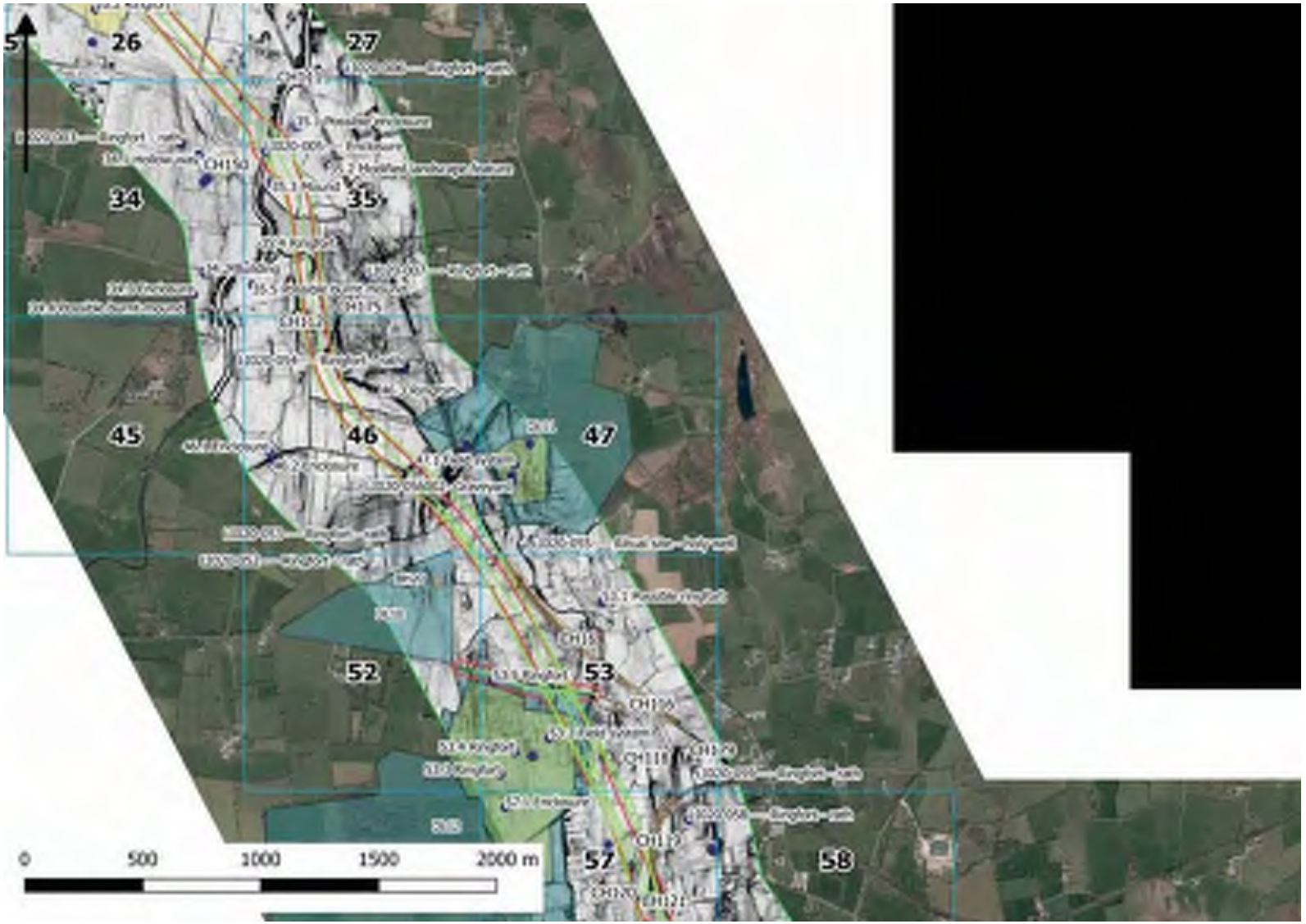
Grids 3;4;10;11;12;13;18;19;20;21;24;25;26;27. SkyView Factor. Scheme orthophotography base layer.



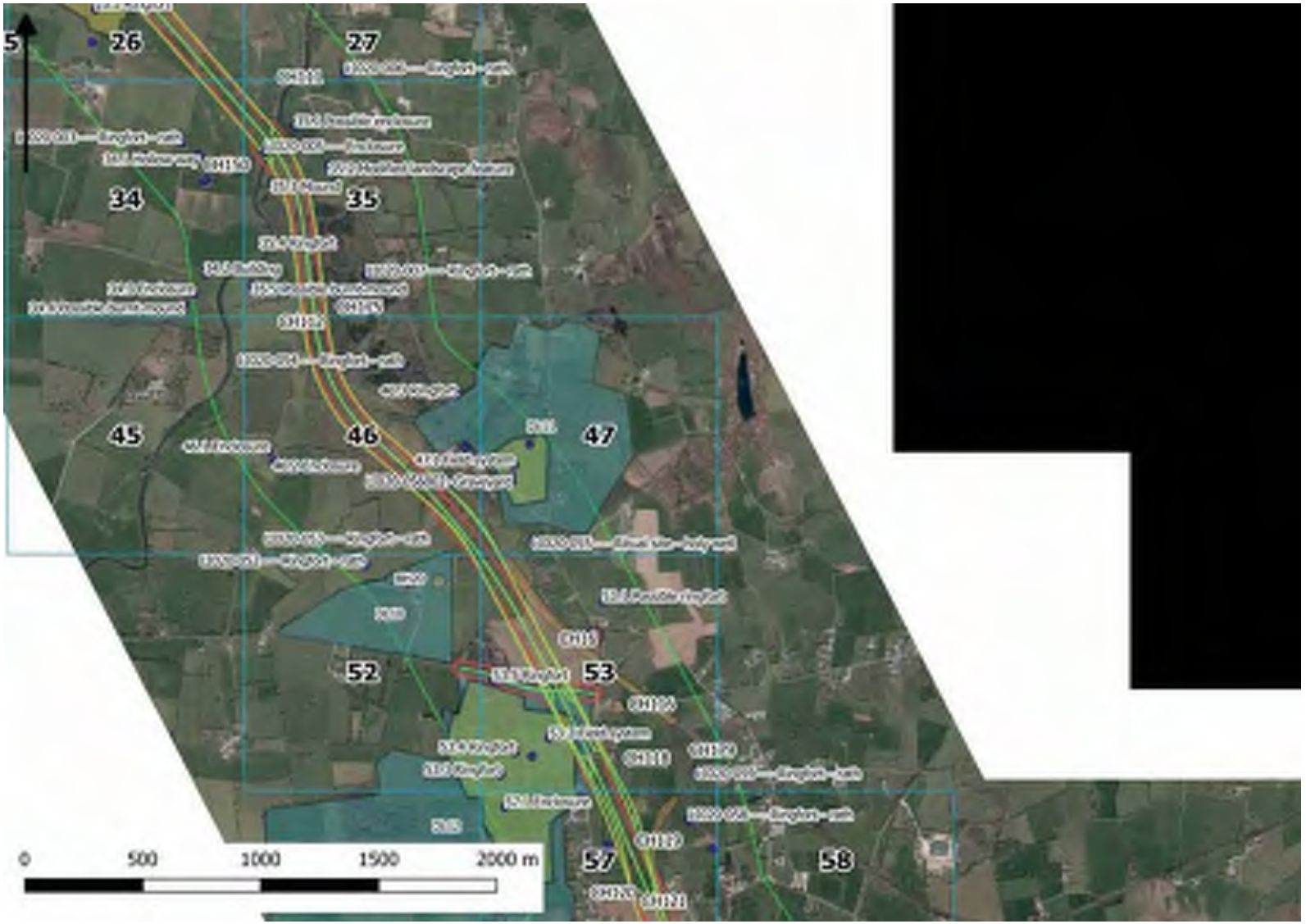
Grids 3;4;10;11;12;13;18;19;20;21;24;25;26;27. Scheme orthophotography.



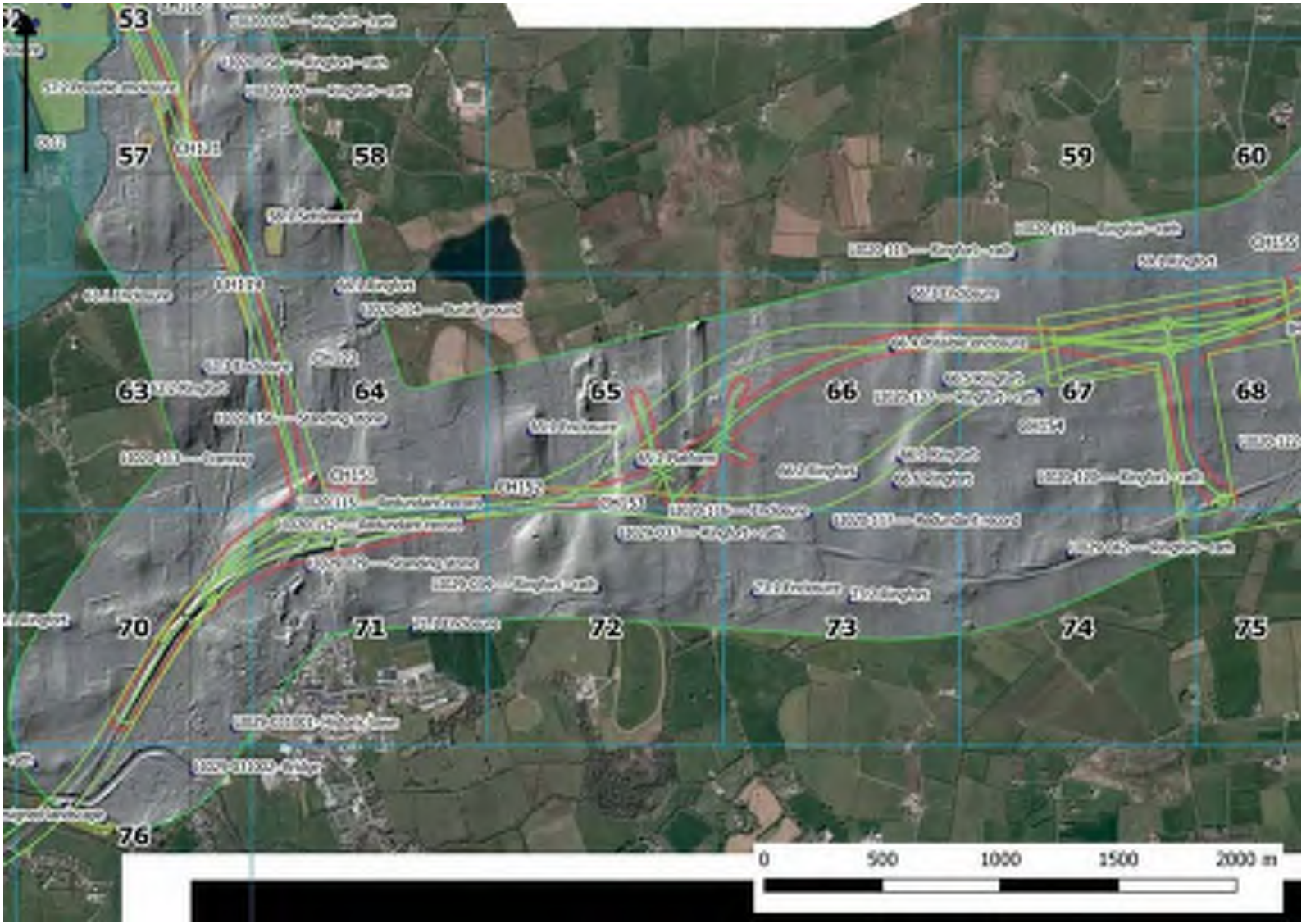
Grids 34;35;45;46;47;52;53. 16-direction hillshade. Scheme orthophotography base layer.



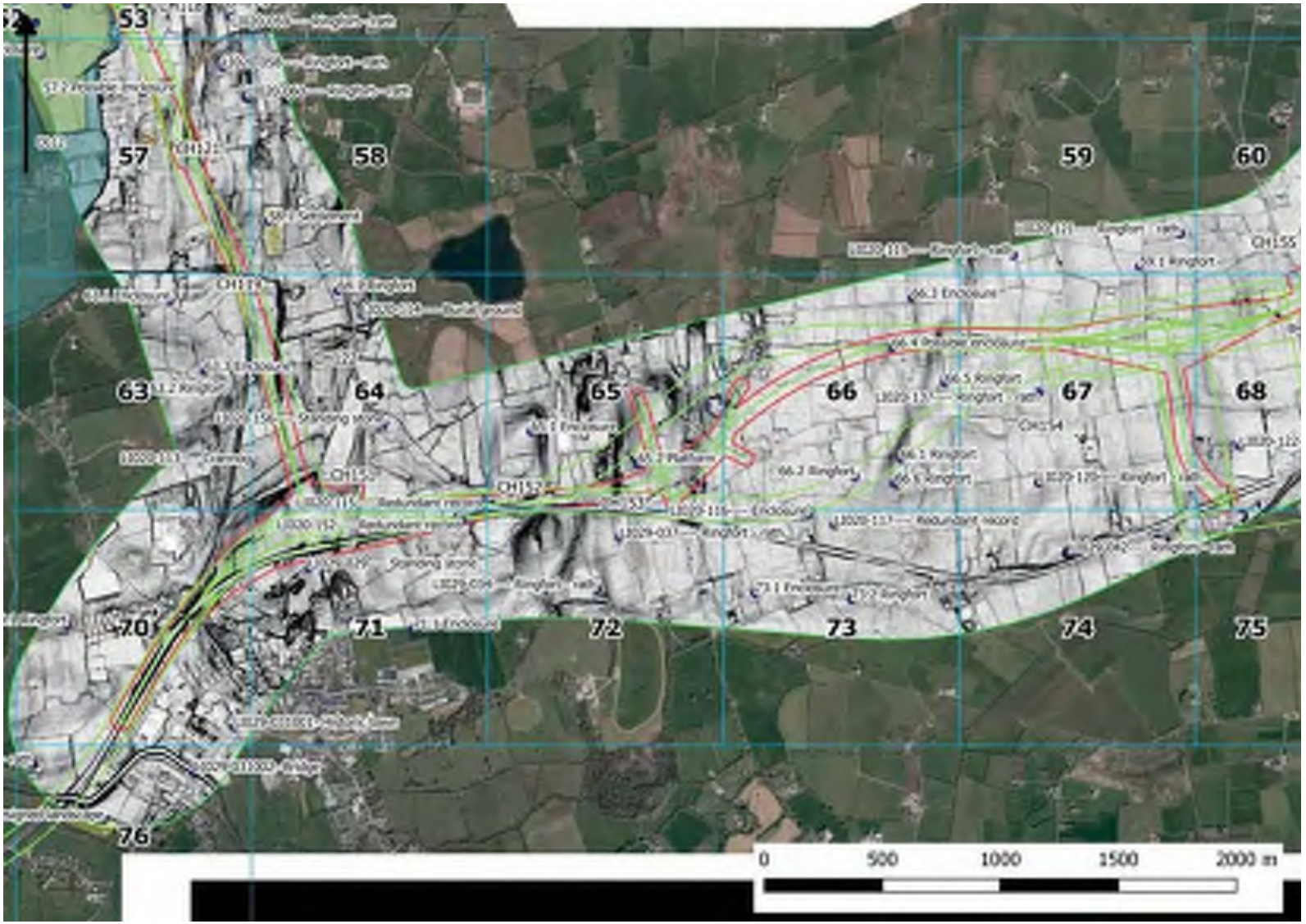
Grids 34;35;45;46;47;52;53. SkyView Factor. Scheme orthophotography base layer.



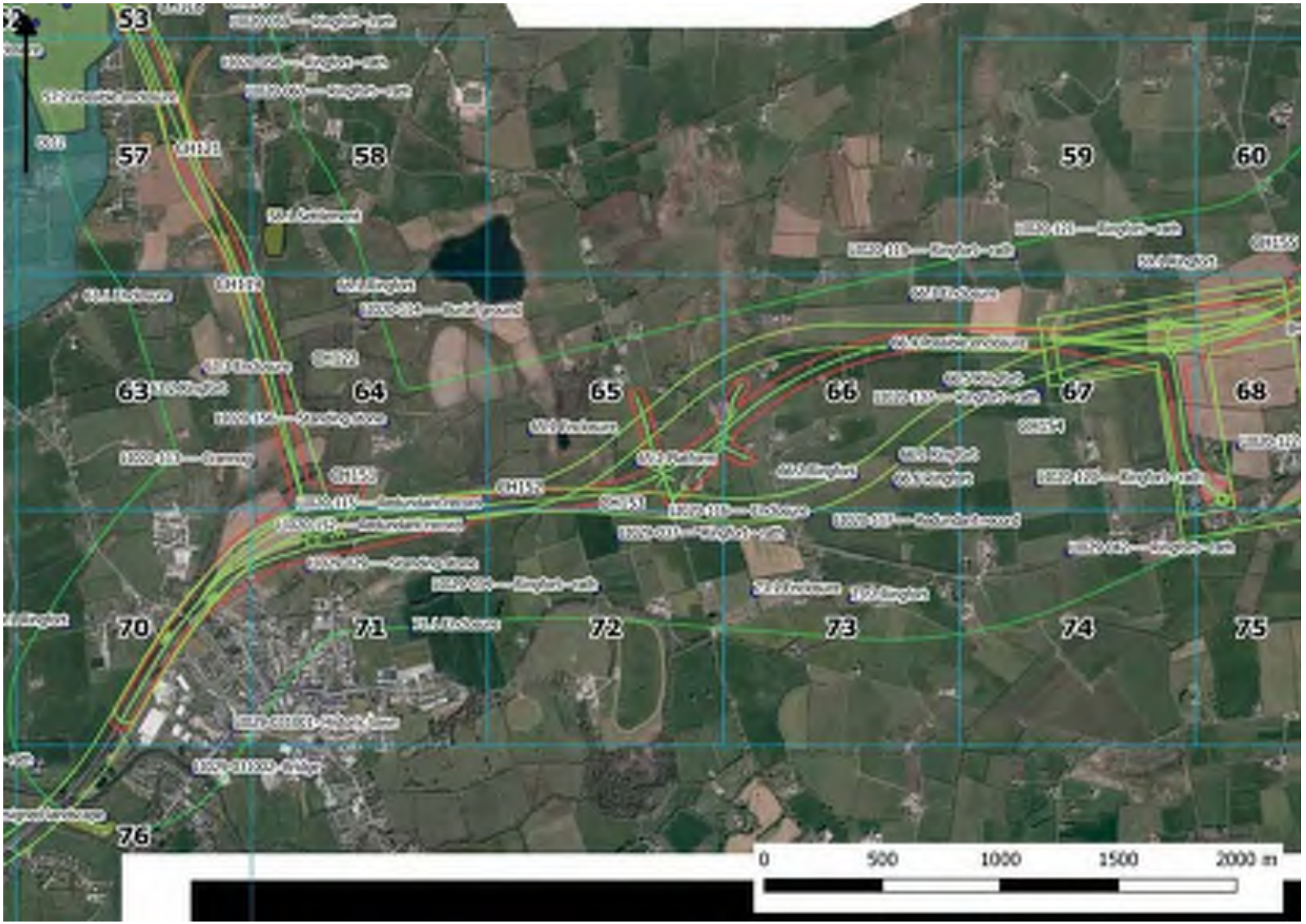
Grids 34;35;45;46;47;52;53. Scheme orthophotography.



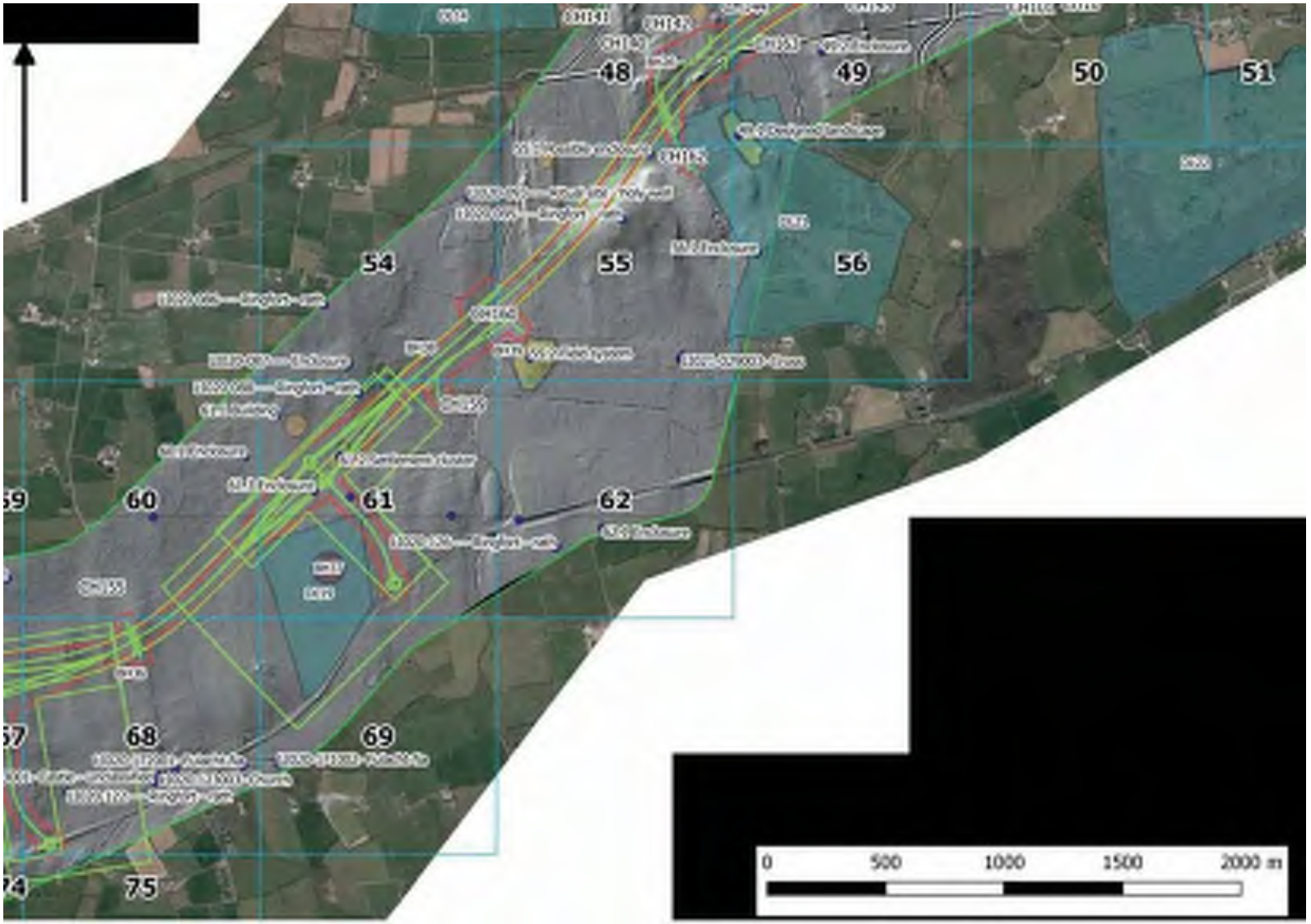
Grids 57;58;63;64;65;66;67;70;71;72;73;74;76. 16-direction hillshade. Scheme orthophotography base layer.



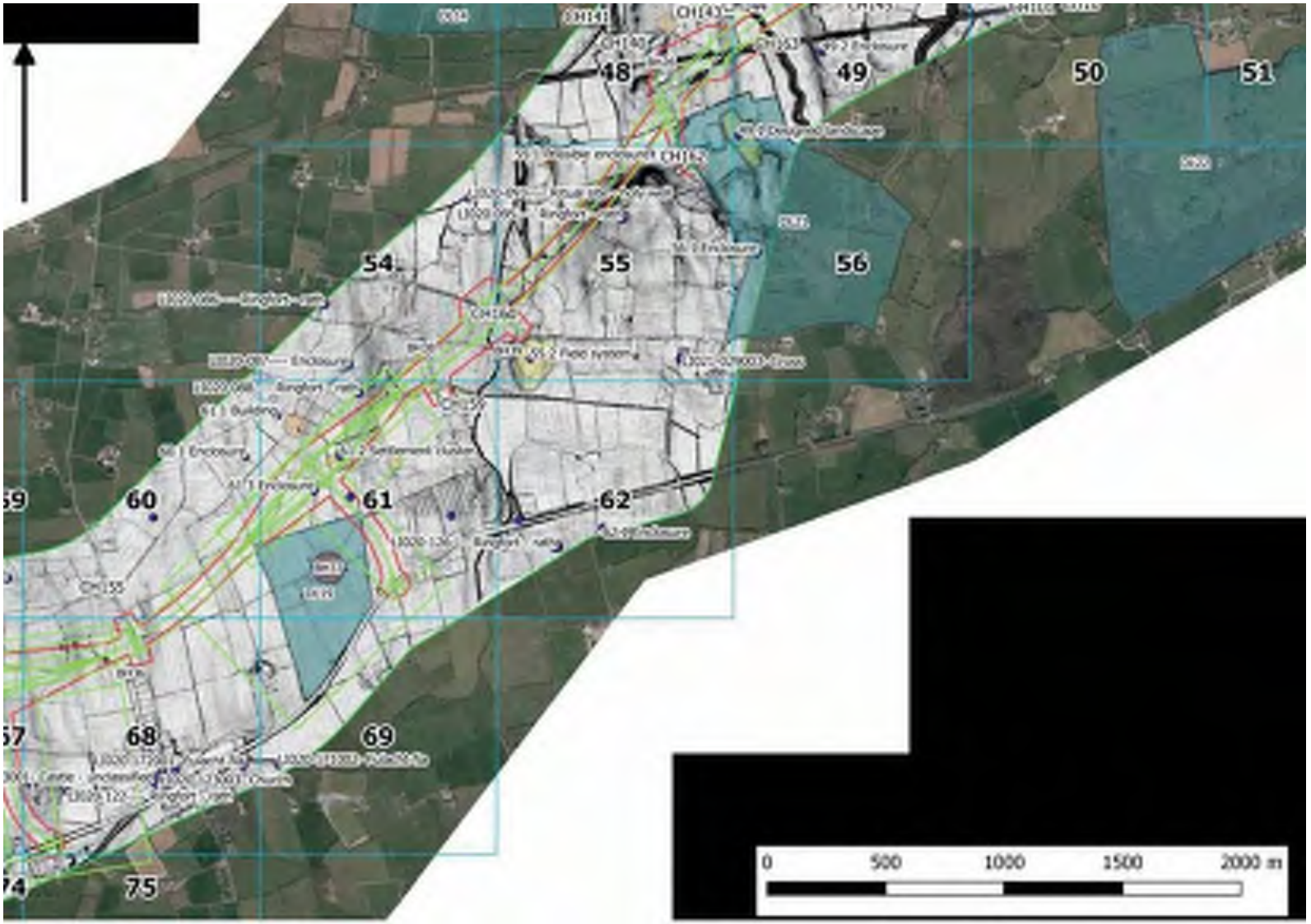
Grids 57;58;63;64;65;66;67;70;71;72;73;74;76. SkyView Factor. Scheme orthophotography base layer.



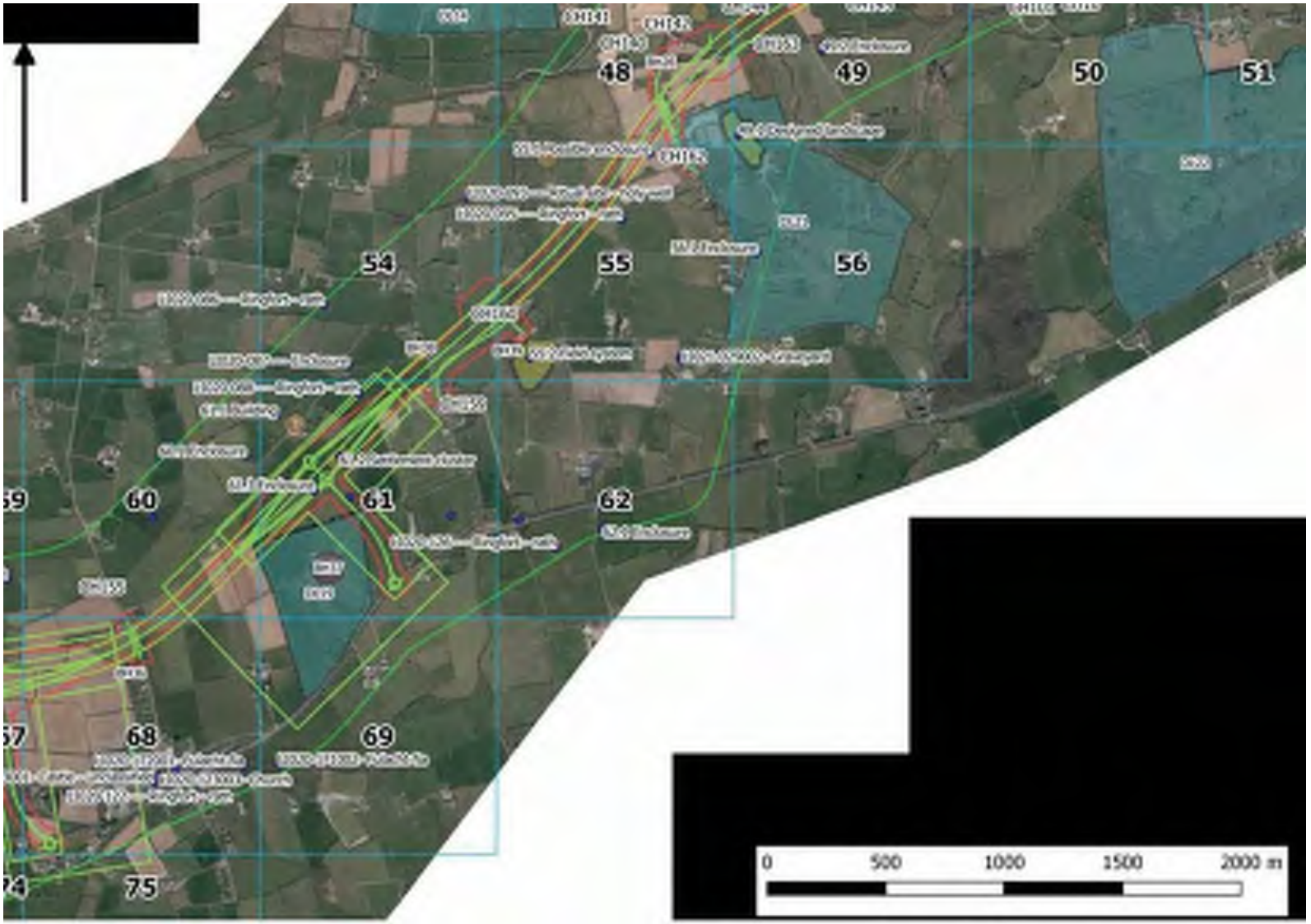
Grids 57;58;63;64;65;66;67;70;71;72;73;74;76. Scheme orthophotography



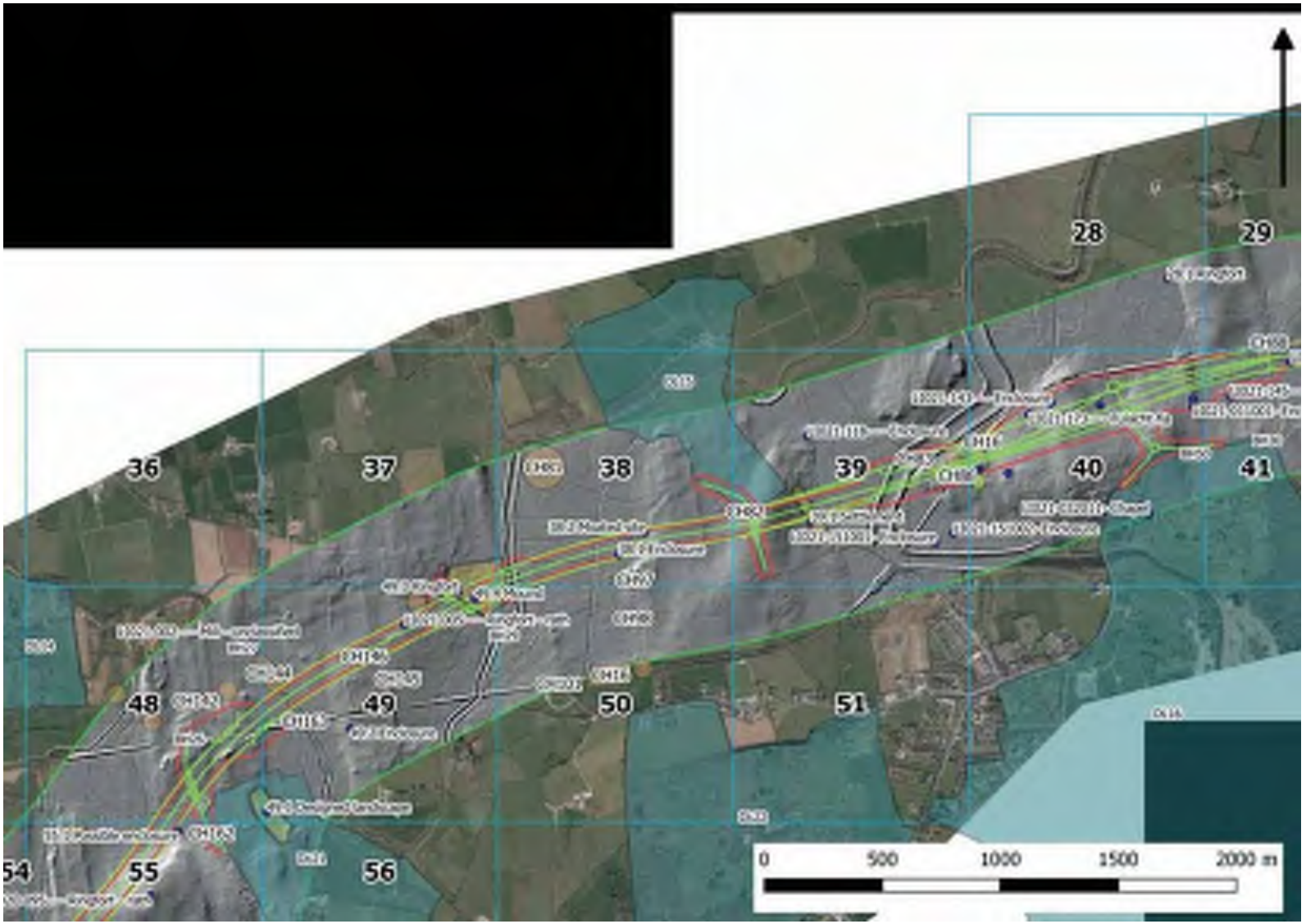
Grids 54;55;56;60;61;62;68;69. 16-direction hillshade. Scheme orthophotography base layer.



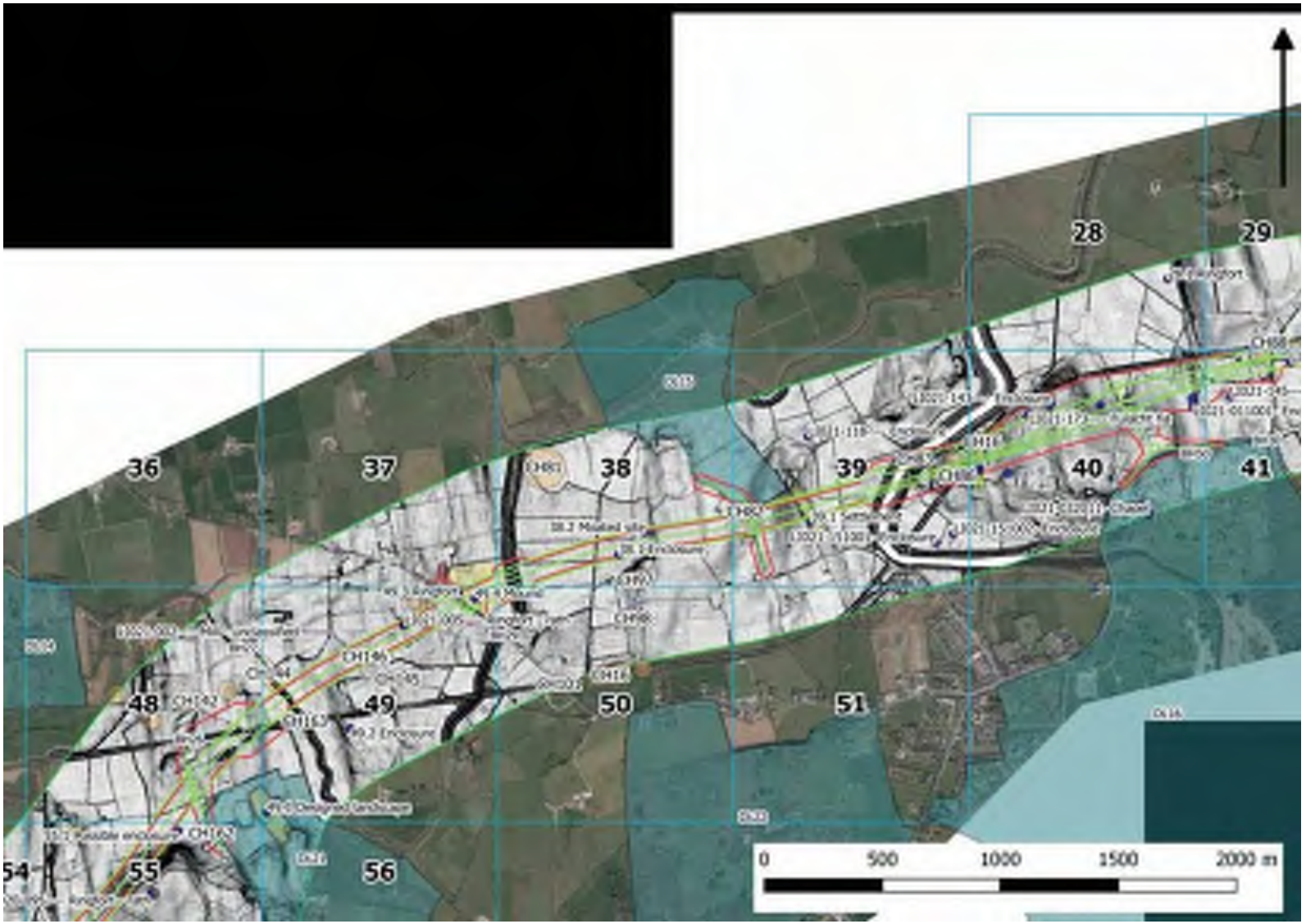
Grids 54;55;56;60;61;62;68;69. SkyView Factor. Scheme orthophotography base layer.



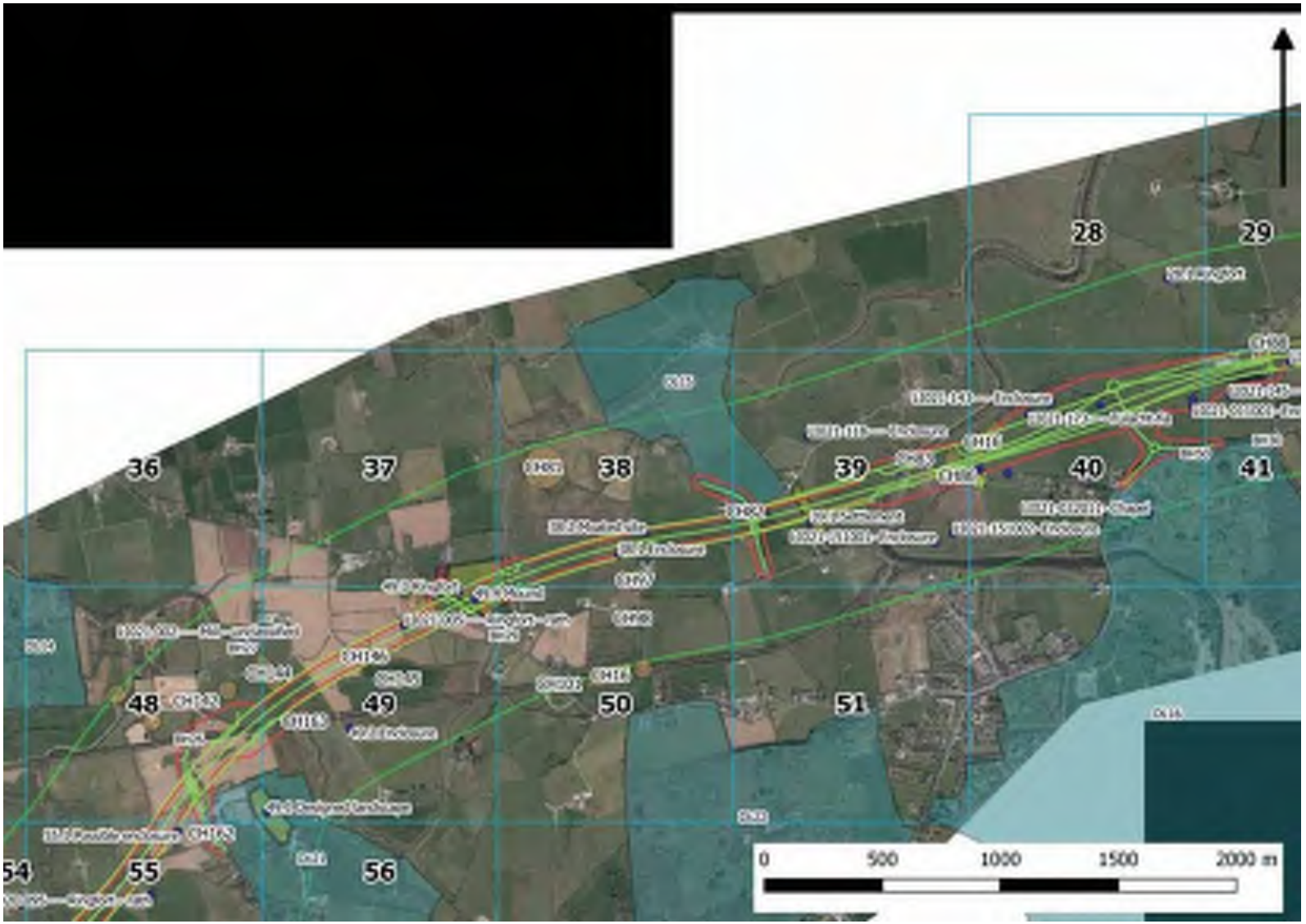
Grids 54;55;56;60;61;62;68;69. Scheme orthophotography.



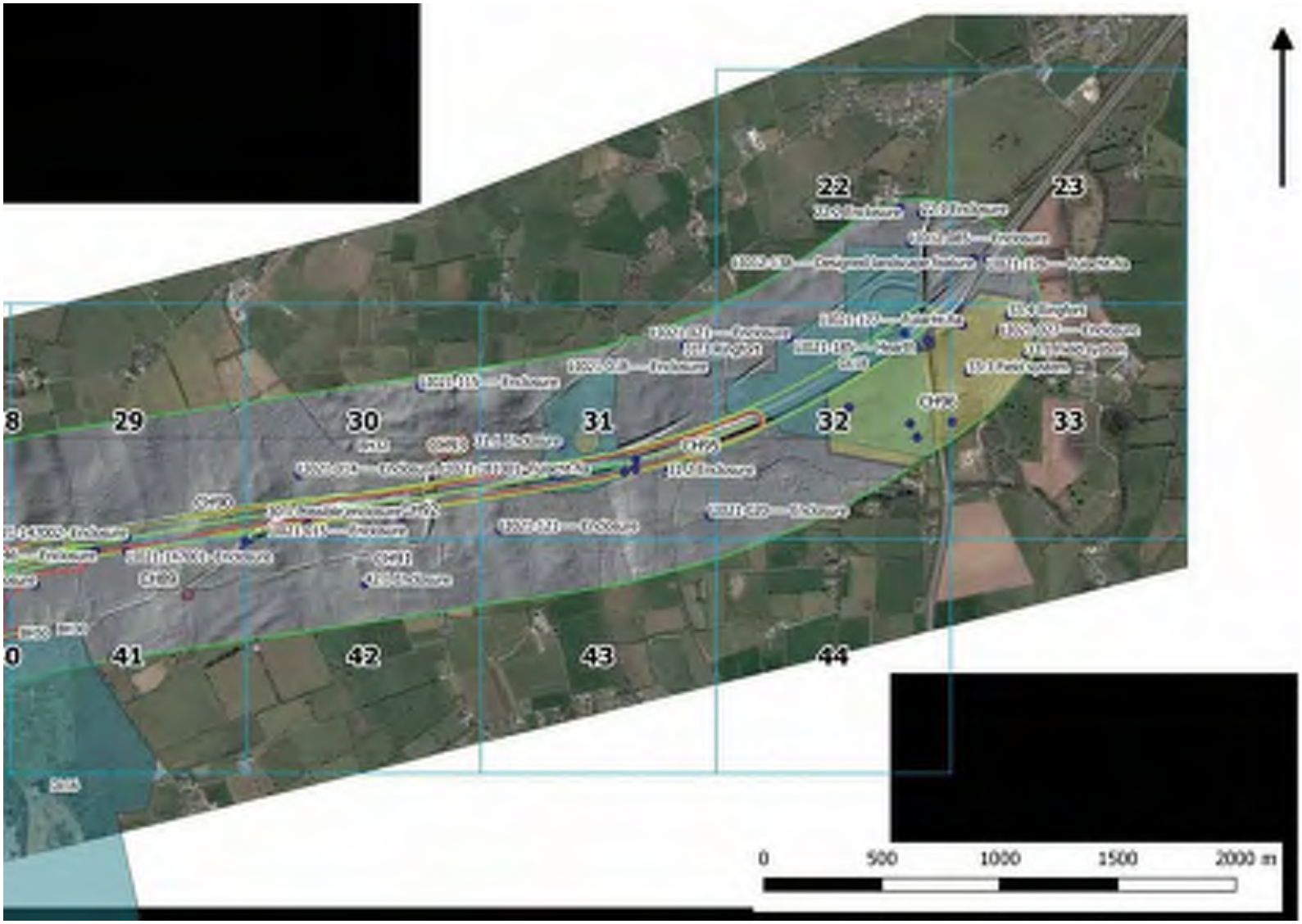
Grids 28;36;37;38;39;40;48;49;50;51. 16-direction hillshade. Scheme orthophotography base layer.



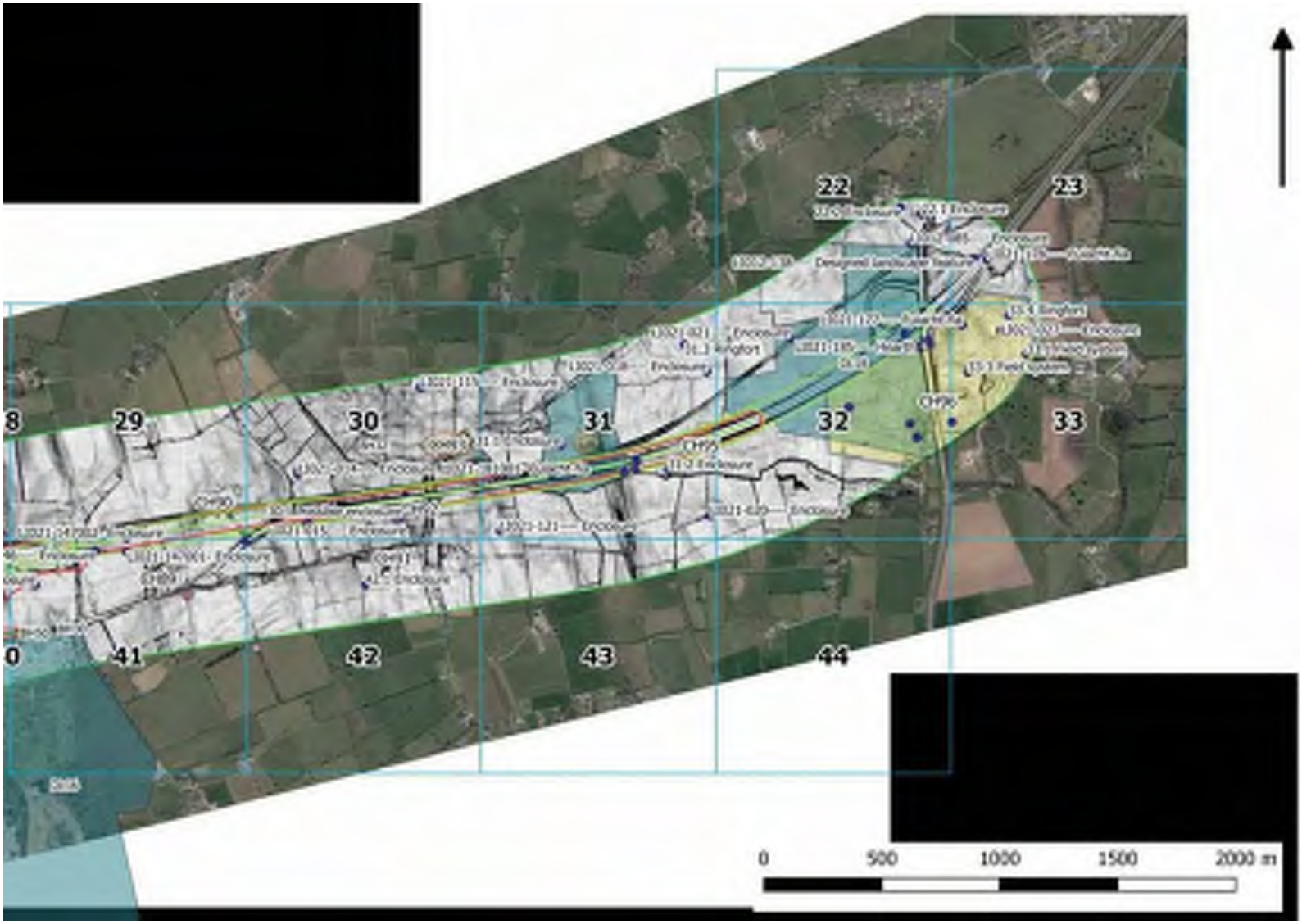
Grids 28;36;37;38;39;40;48;49;50;51. SkyView Factor. Scheme orthophotography base layer.



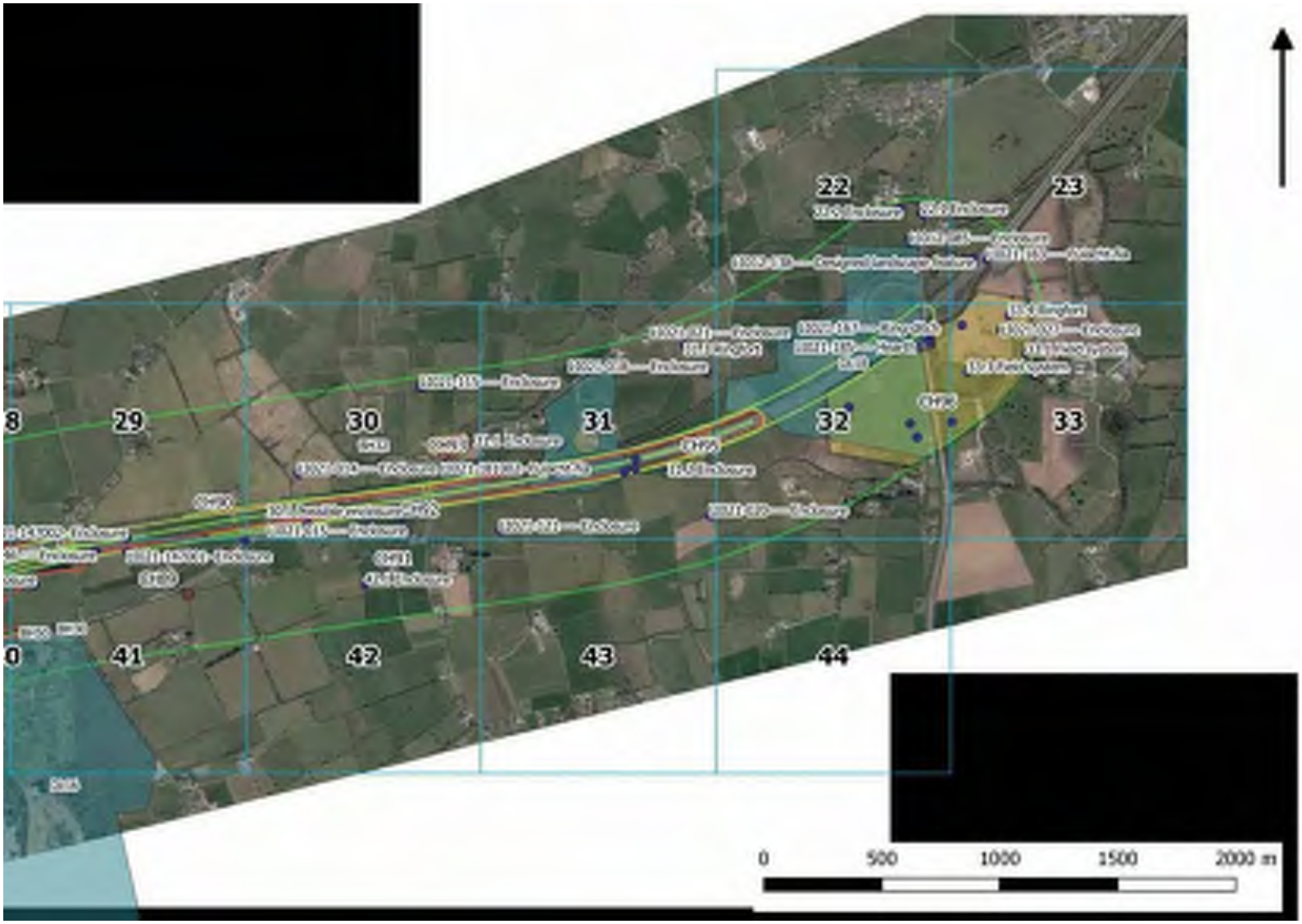
Grids 28;36;37;38;39;40;48;49;50;51. Scheme orthophotography.



Grids 22;23;29;30;31;32;33;41;42;43;44. 16-direction hillshade. Scheme orthophotography base layer.

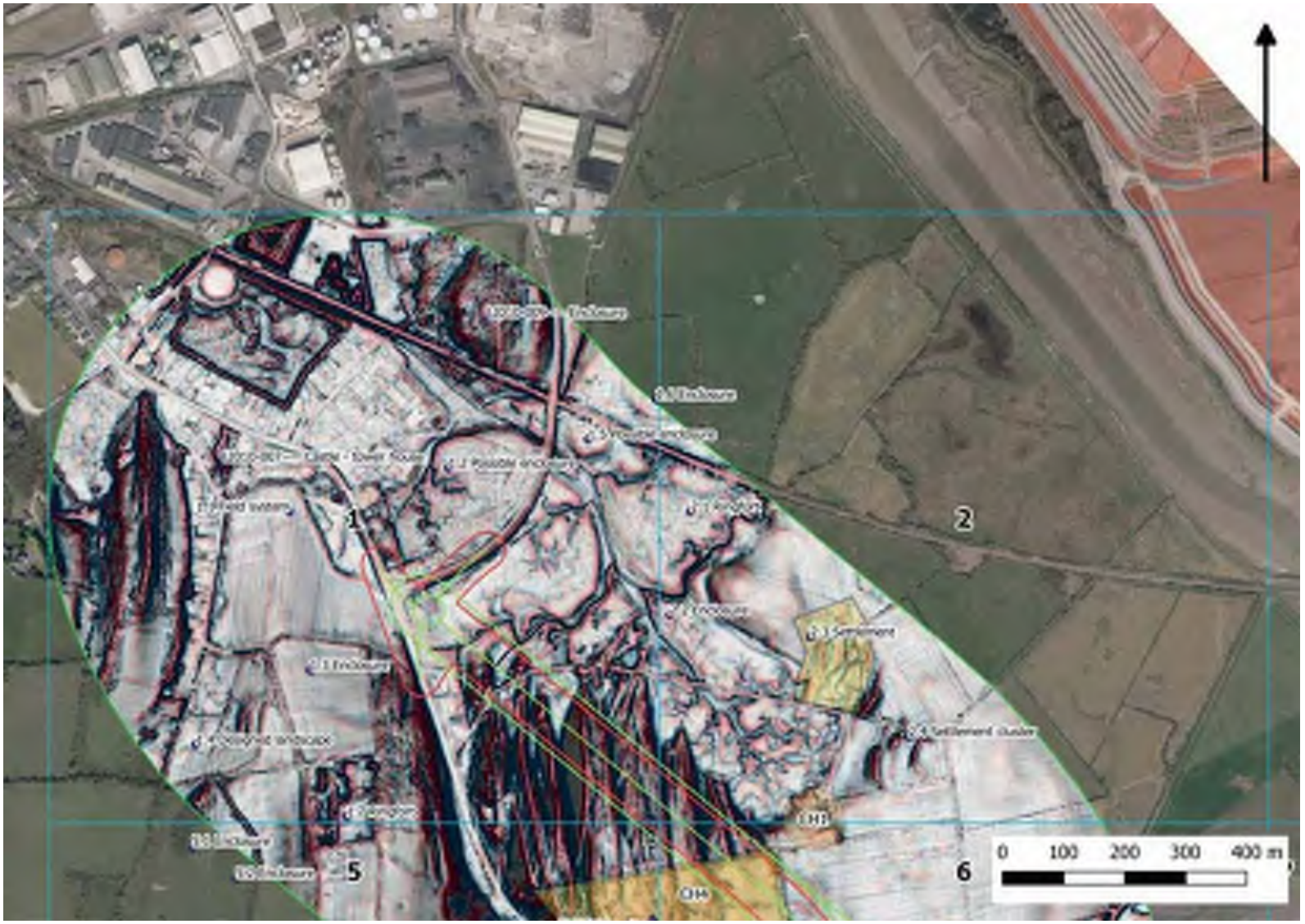


Grids 22;23;29;30;31;32;33;41;42;43;44. SkyView Factor. Scheme orthophotography base layer.

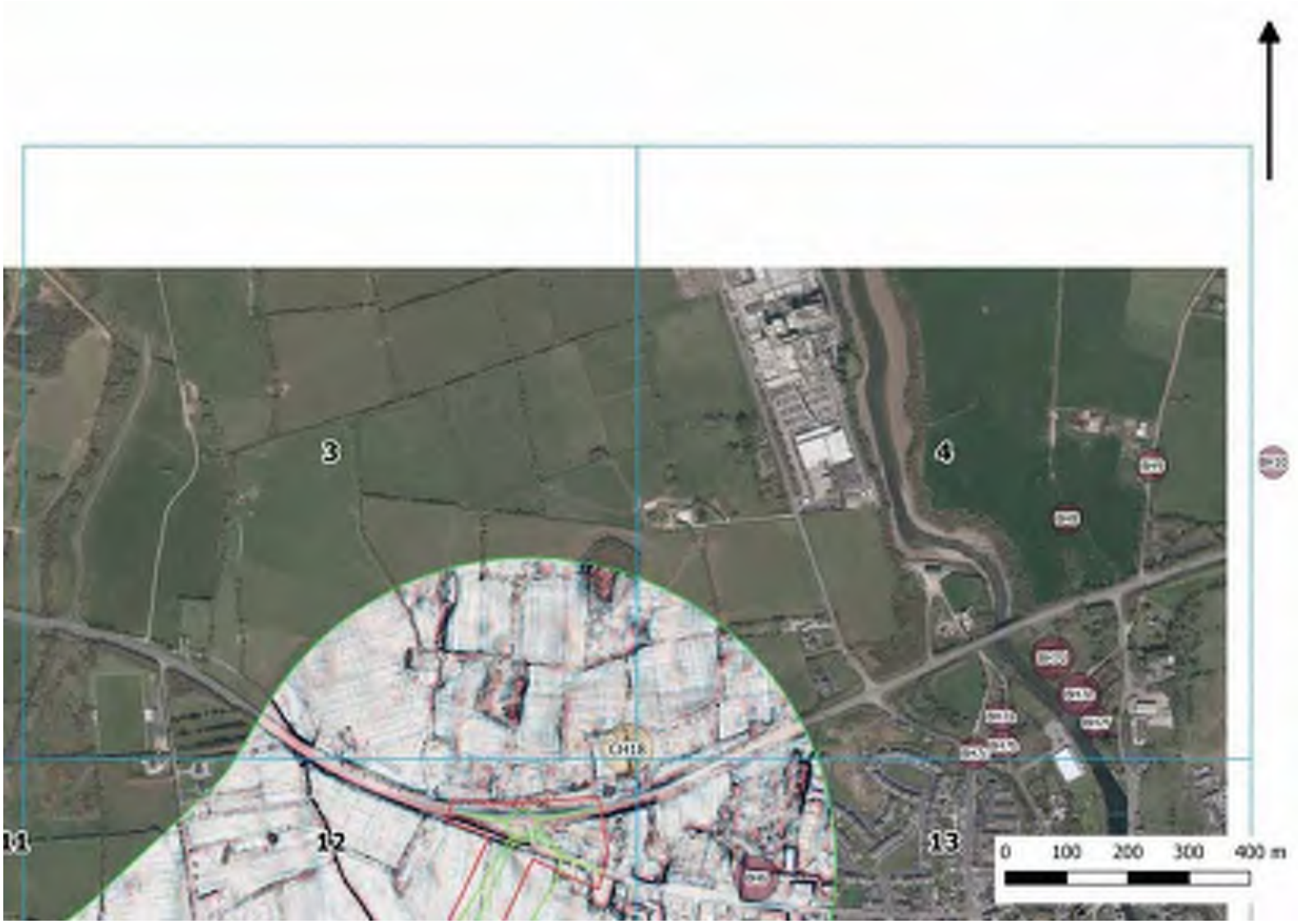


Grids 22;23;29;30;31;32;33;41;42;43;44. Scheme orthophotography.

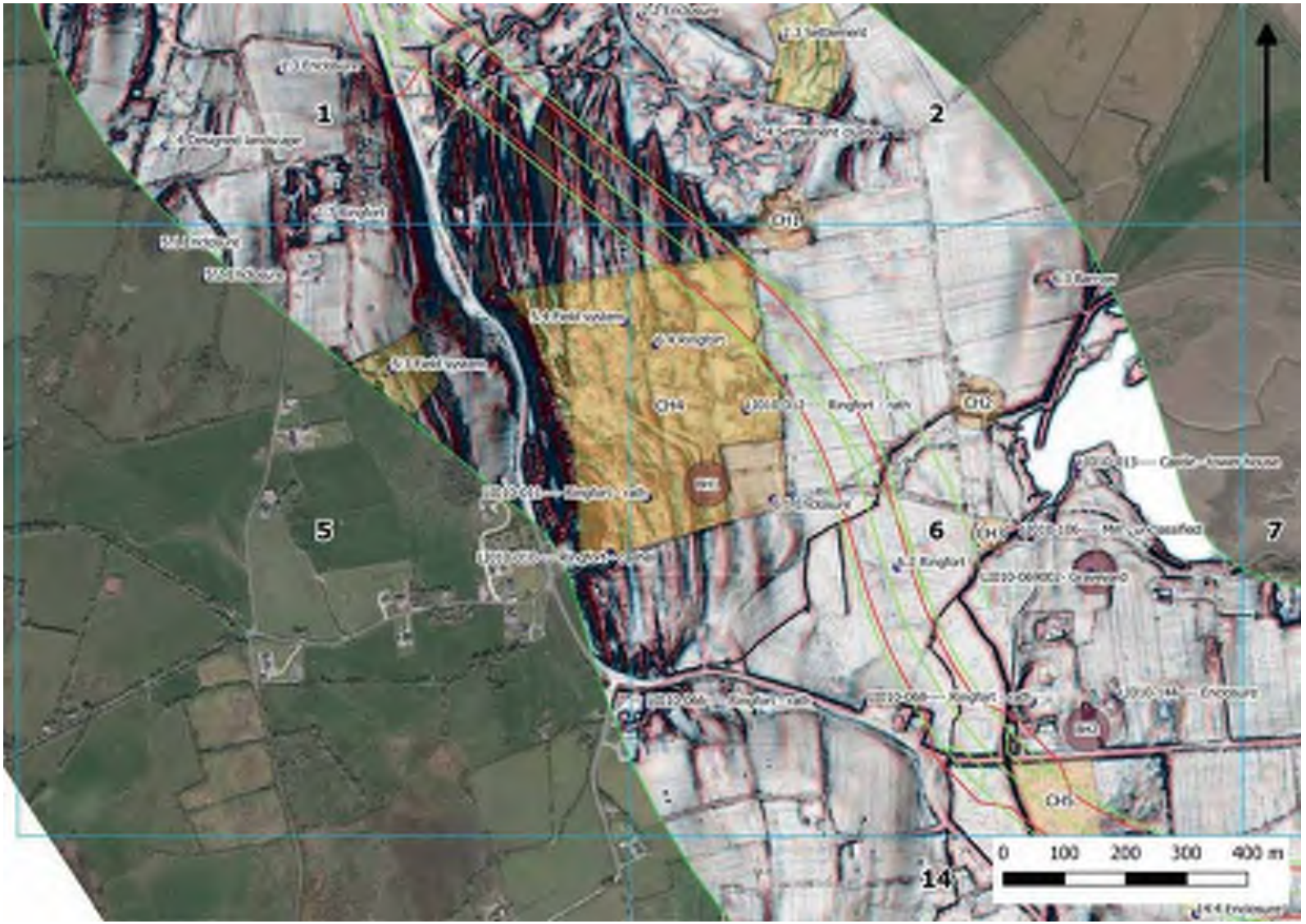
Appendix 3: Grid by grid overview images



Grids 1-2. LRM over SVF image, scheme orthophotography baselayer.

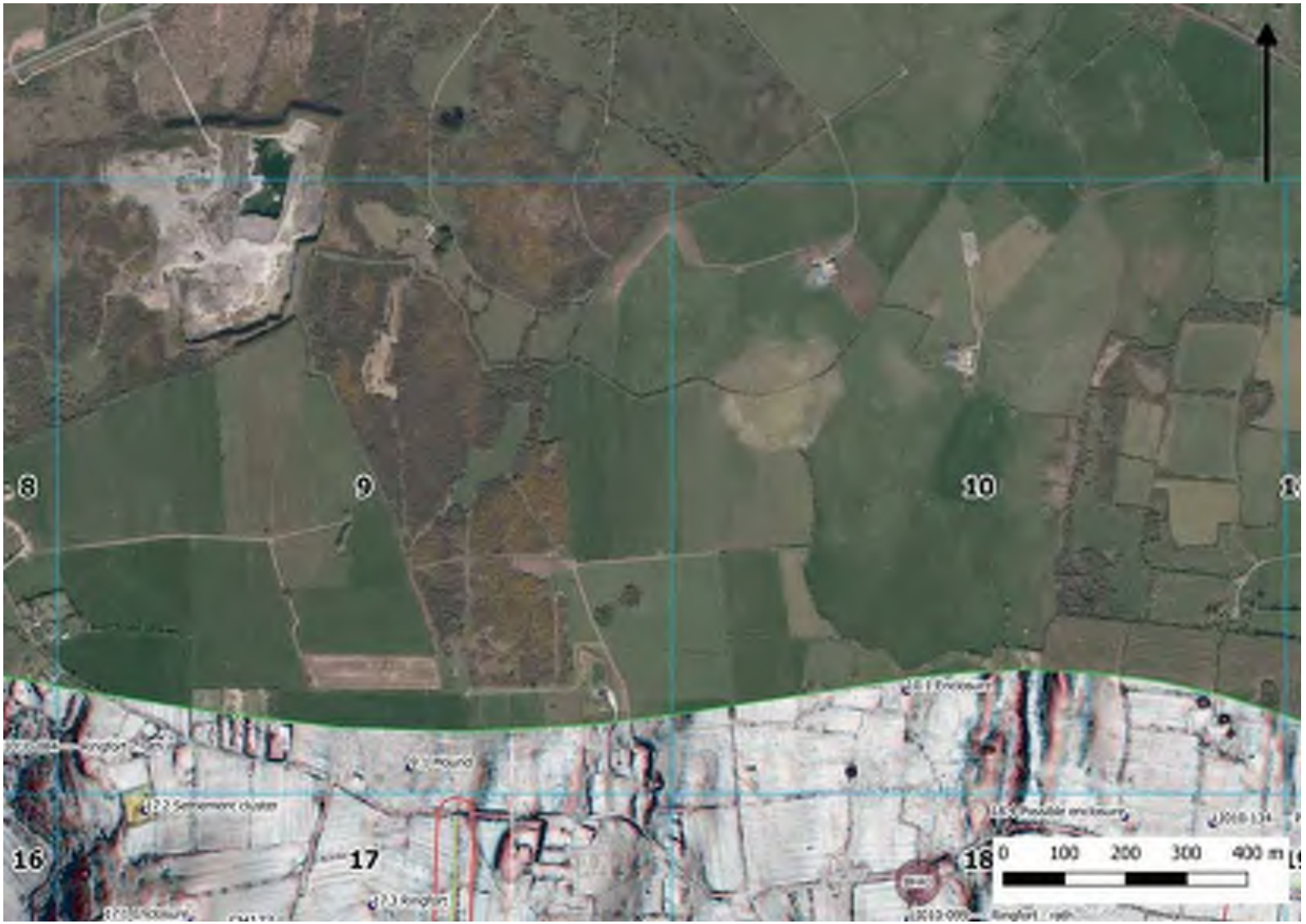


Grids 3-4. LRM over SVF image, scheme orthophotography baselayer.



Grids 5-6. LRM over SVF image, scheme orthophotography baselayer.

Grids 7-8. LRM over SVF image, scheme orthophotography baselayer.



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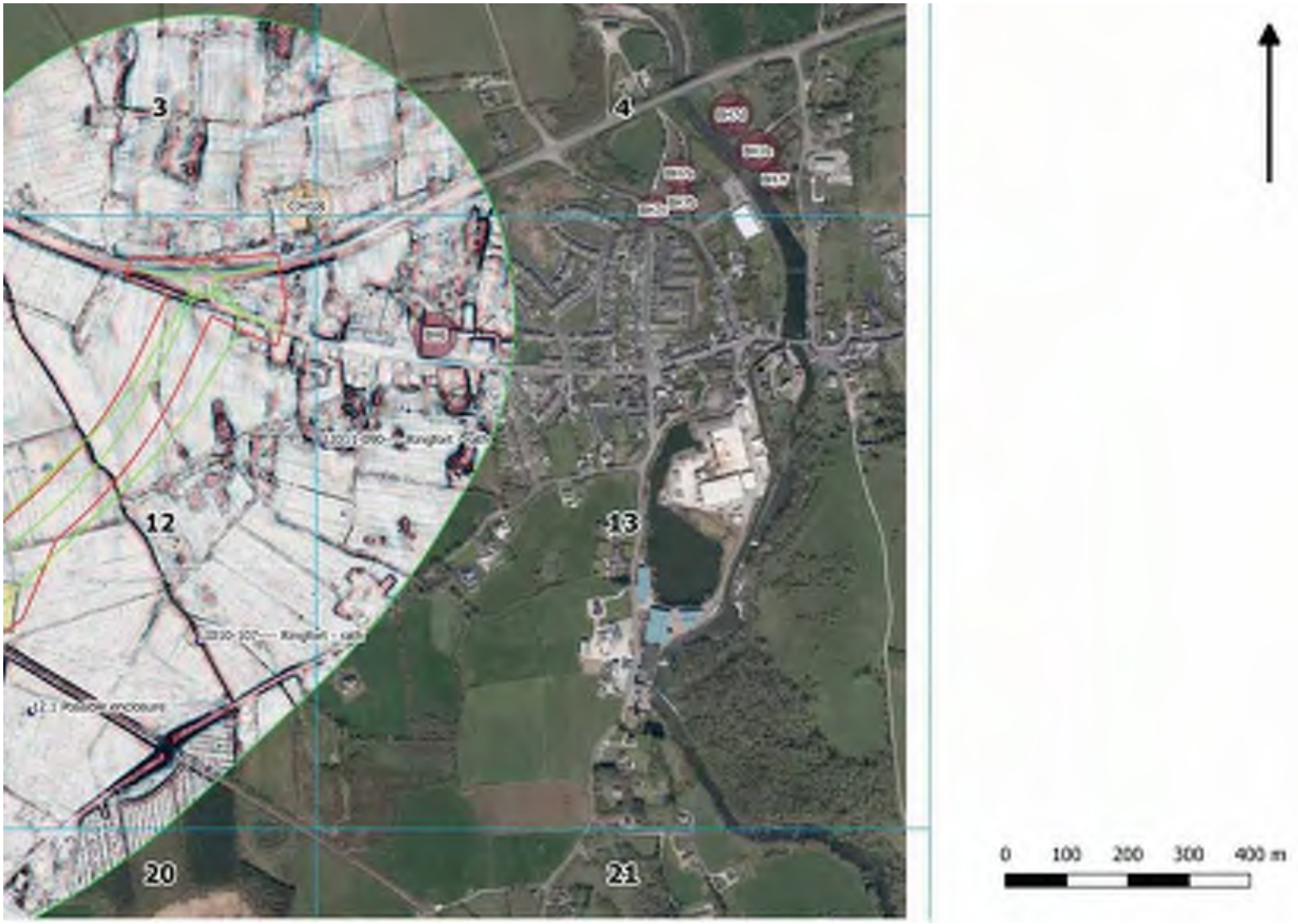
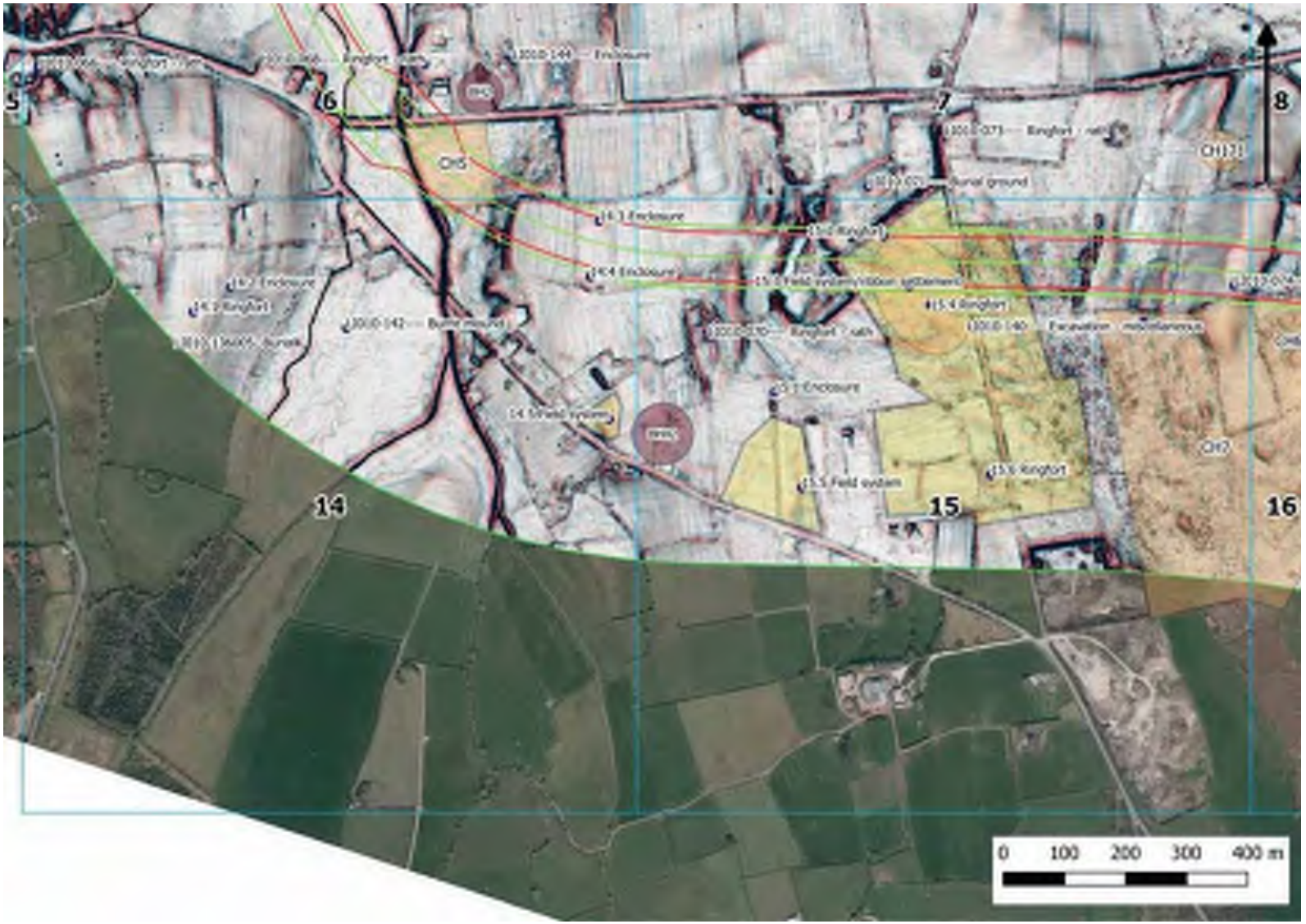
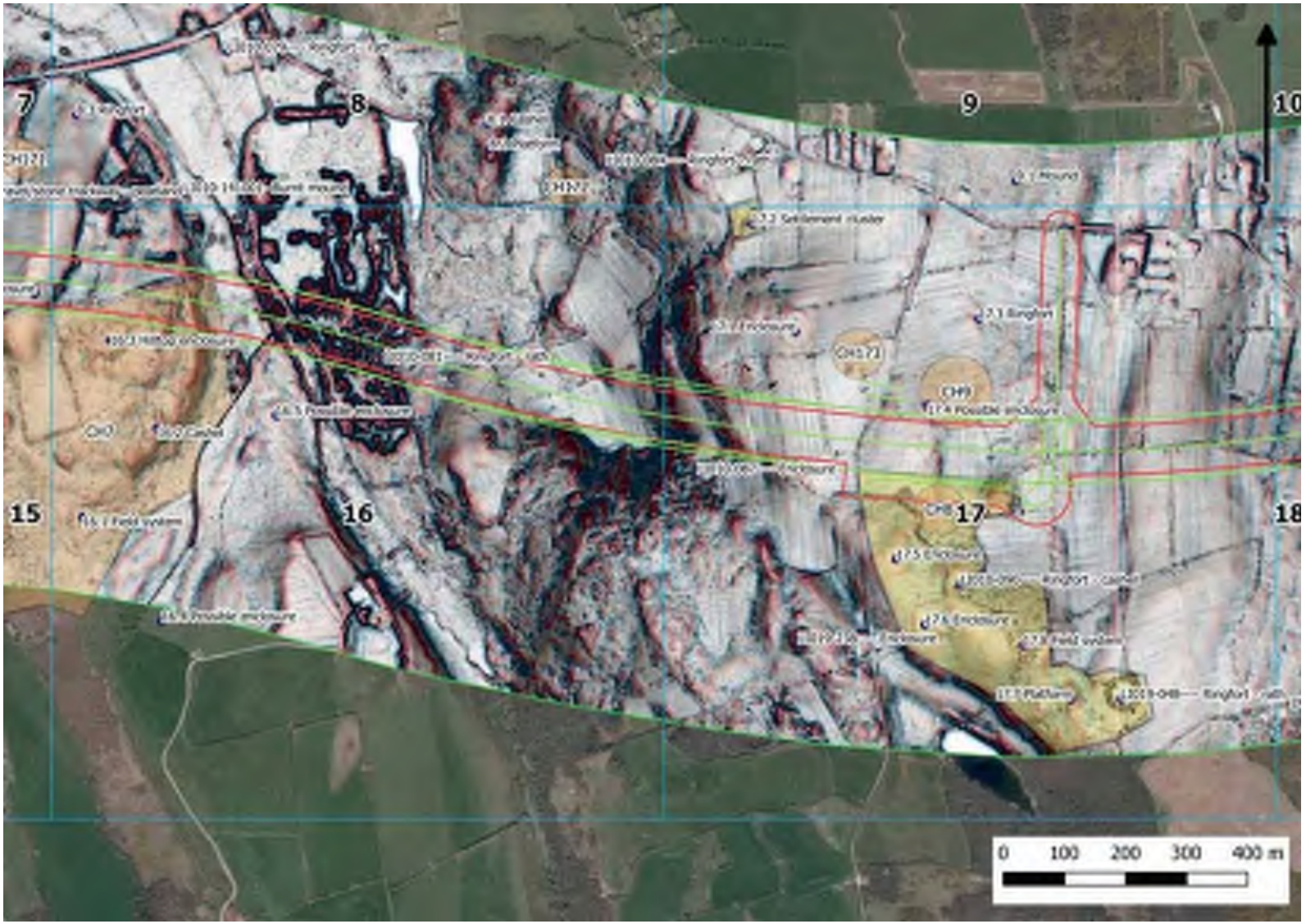
Grids 11-12. LRM over SVF image, scheme orthophotography baselayer.



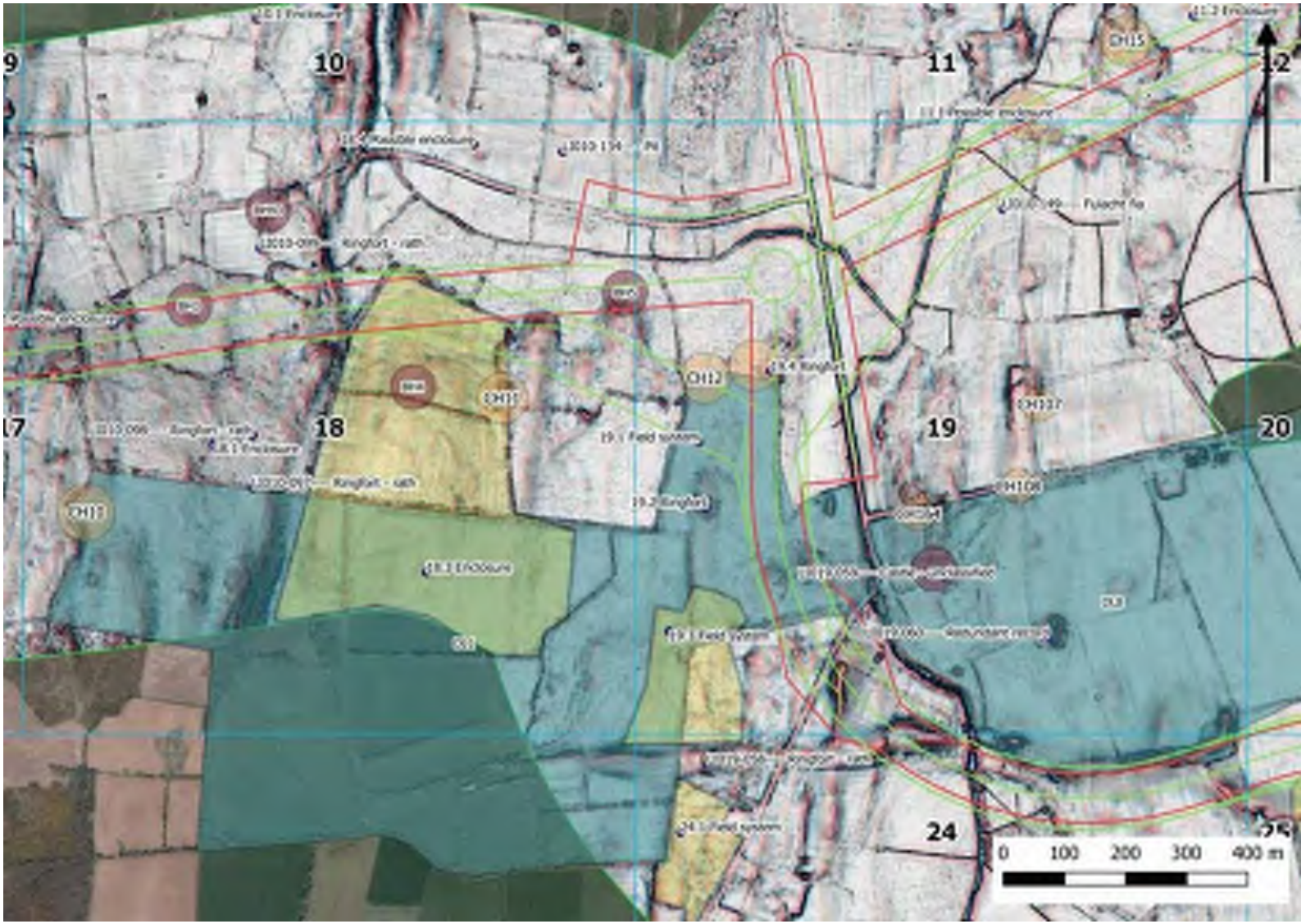
Grid 13. LRM over SVF image, scheme orthophotography baselayer.



Grids 14-15. LRM over SVF image, scheme orthophotography baselayer.



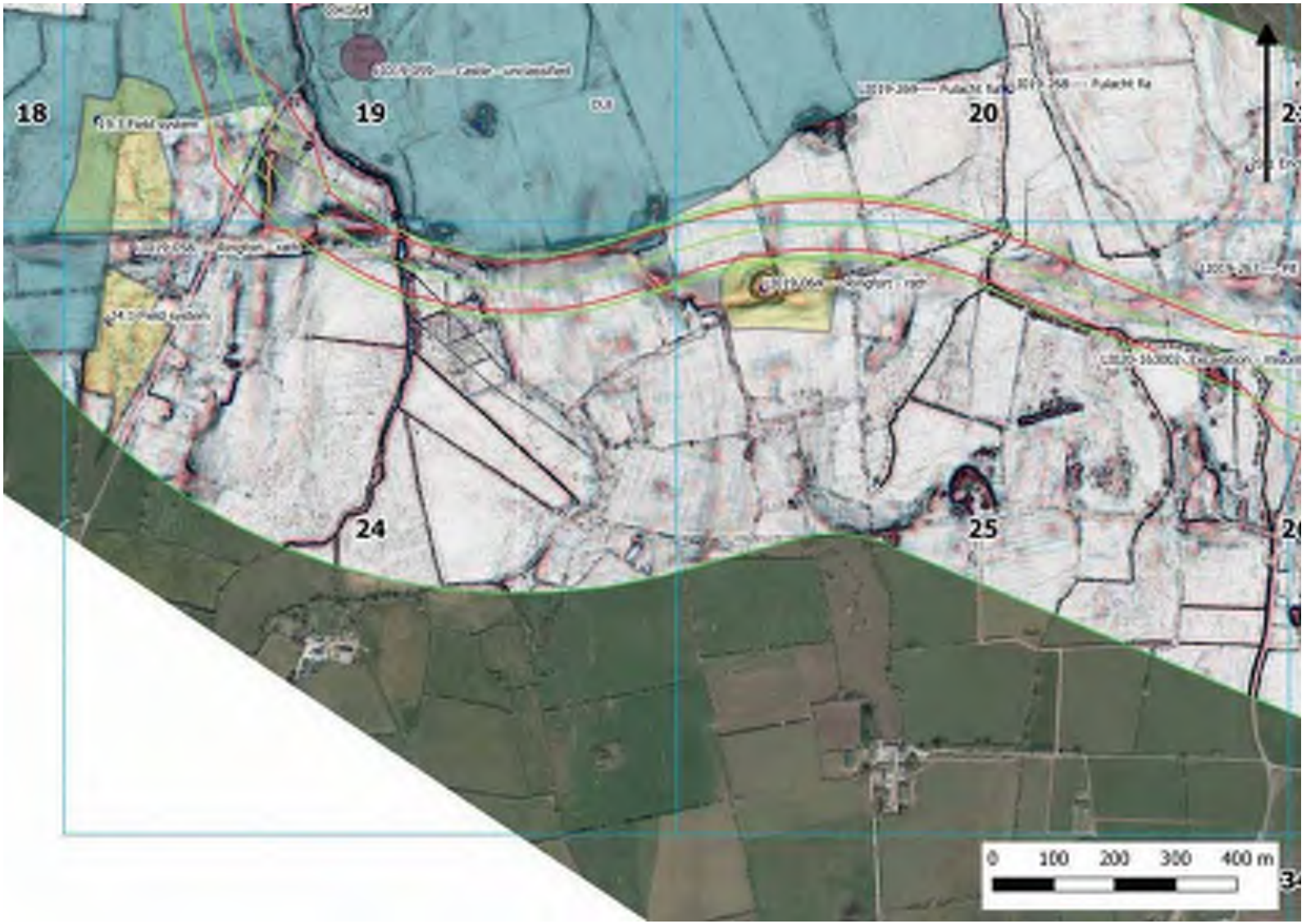
Grids 16-17. LRM over SVF image, scheme orthophotography baselayer.



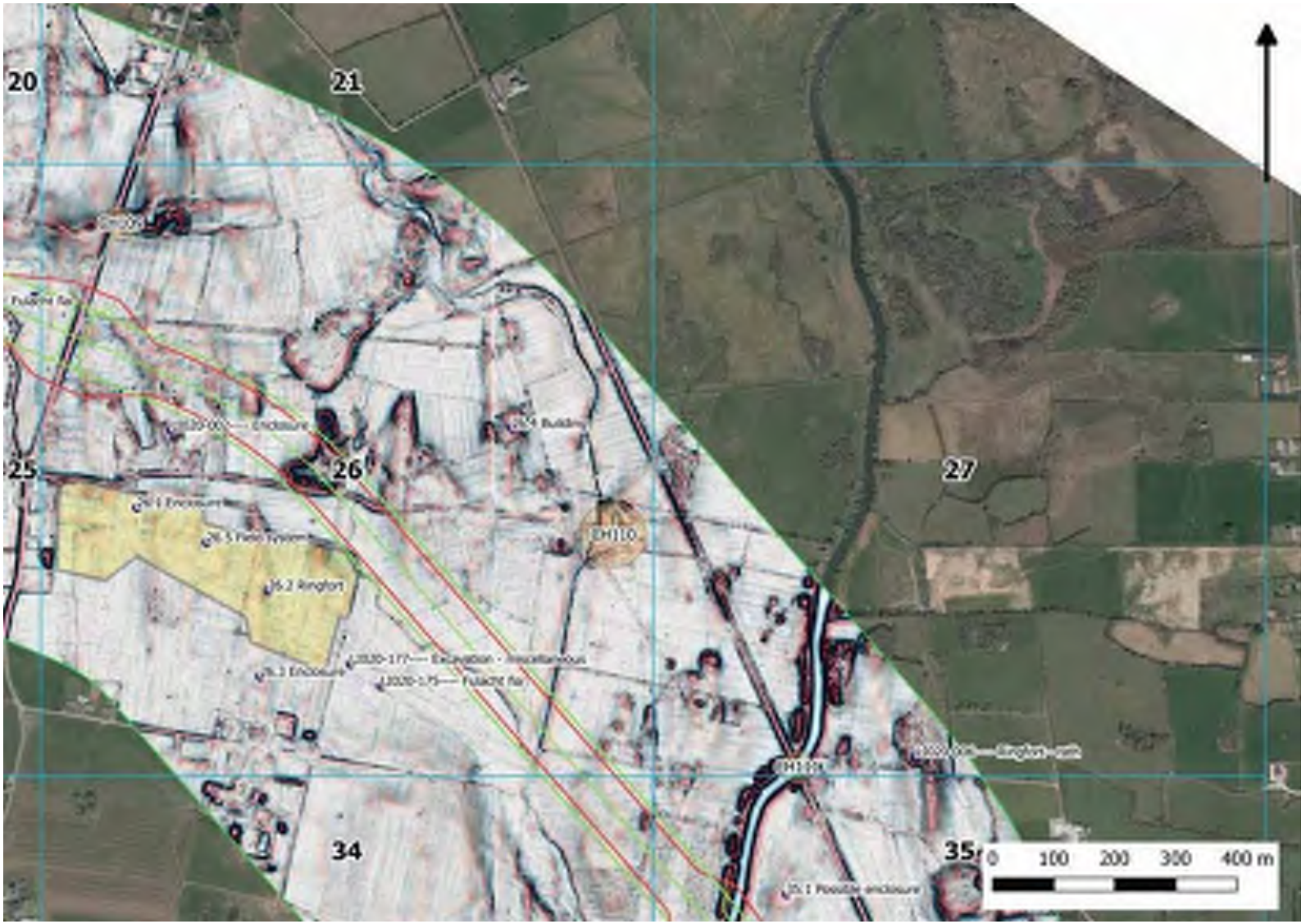
Grids 18-19. LRM over SVF image, scheme orthophotography baselayer.

Grids 20-21. LRM over SVF image, scheme orthophotography baselayer.

Grids 22-23. LRM over SVF image, scheme orthophotography baselayer.

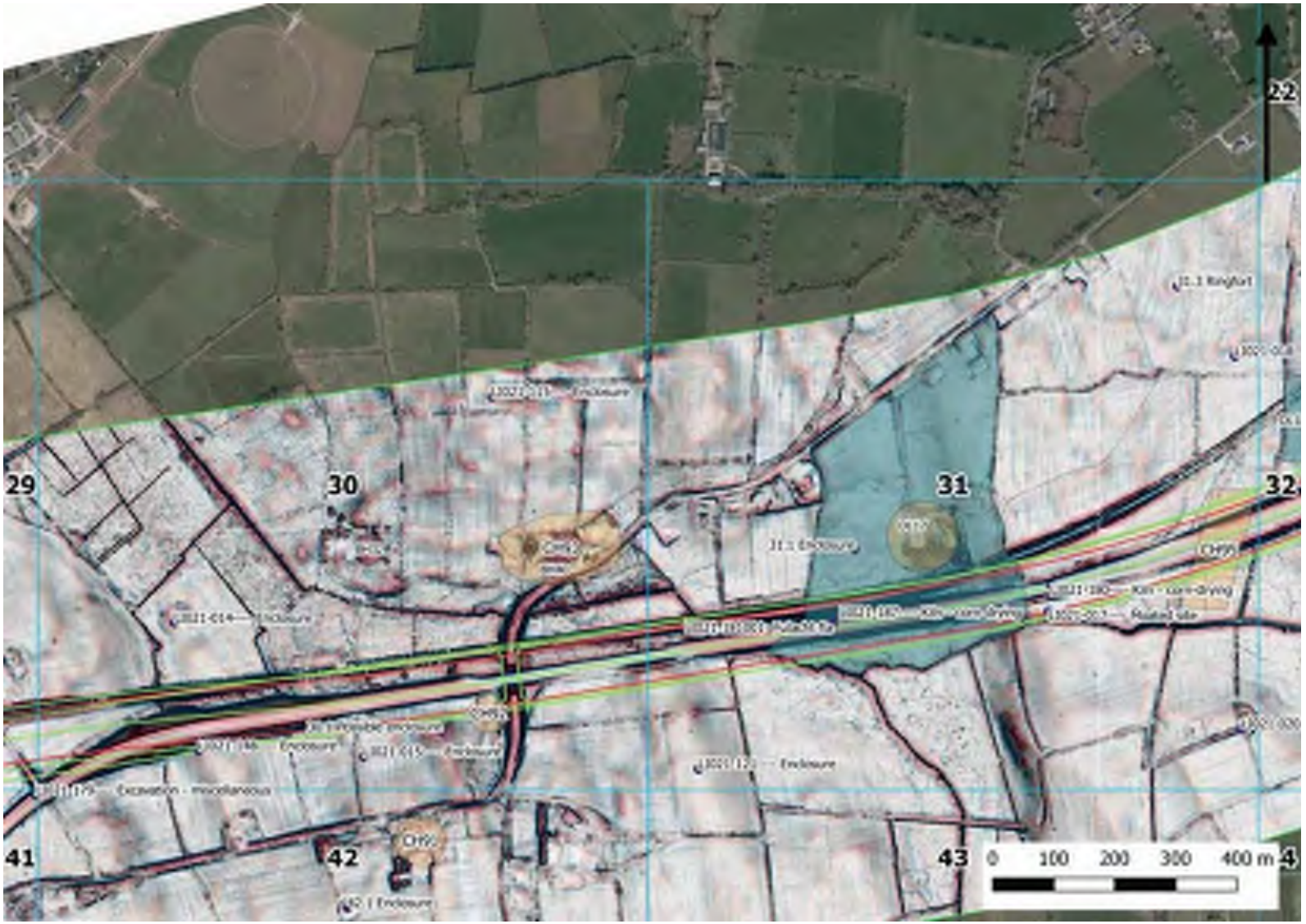


Grids 24-25. LRM over SVF image, scheme orthophotography baselayer.

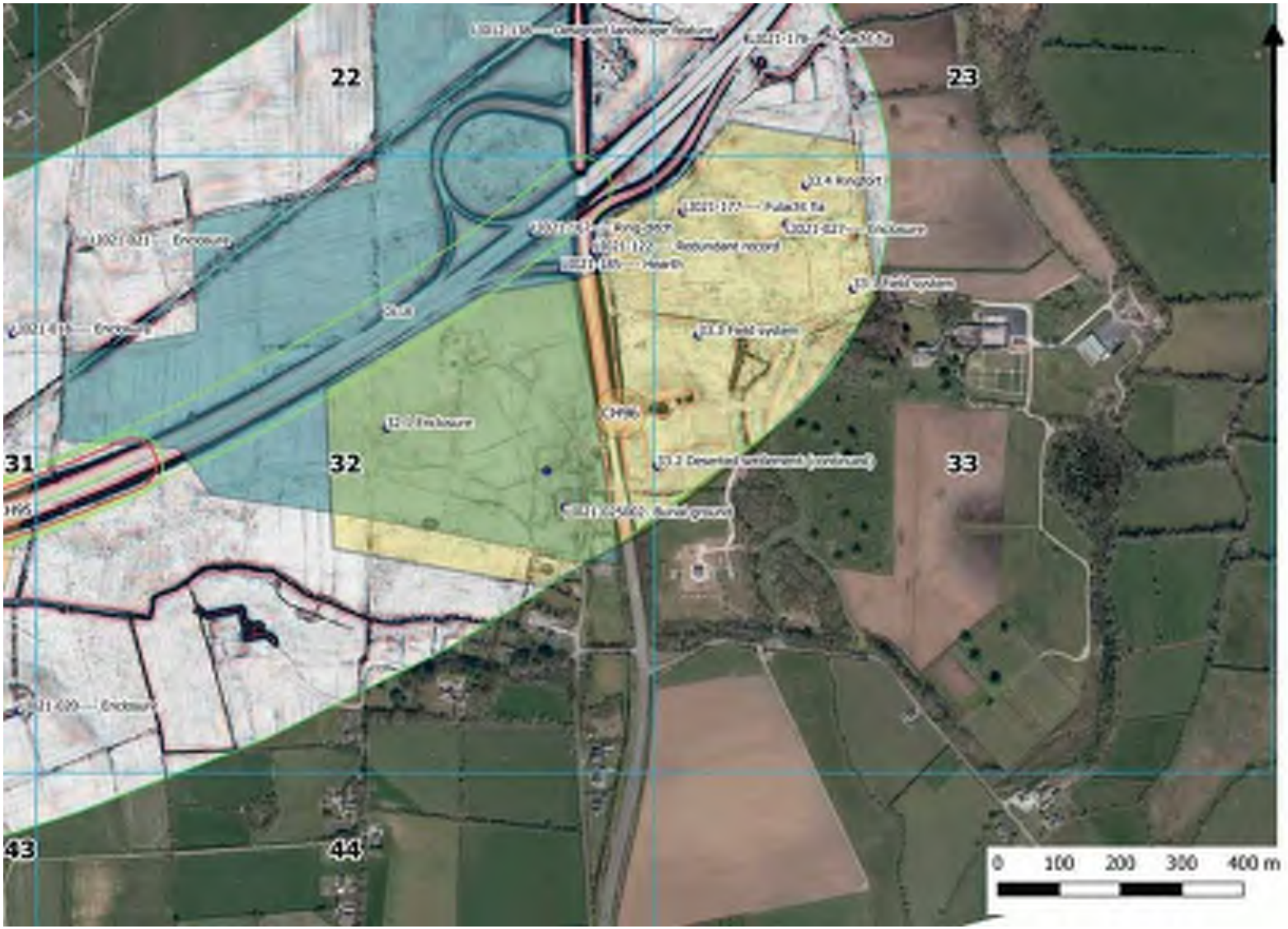


Grids 26-27. LRM over SVF image, scheme orthophotography baselayer

Grids 28-29. LRM over SVF image, scheme orthophotography baselayer



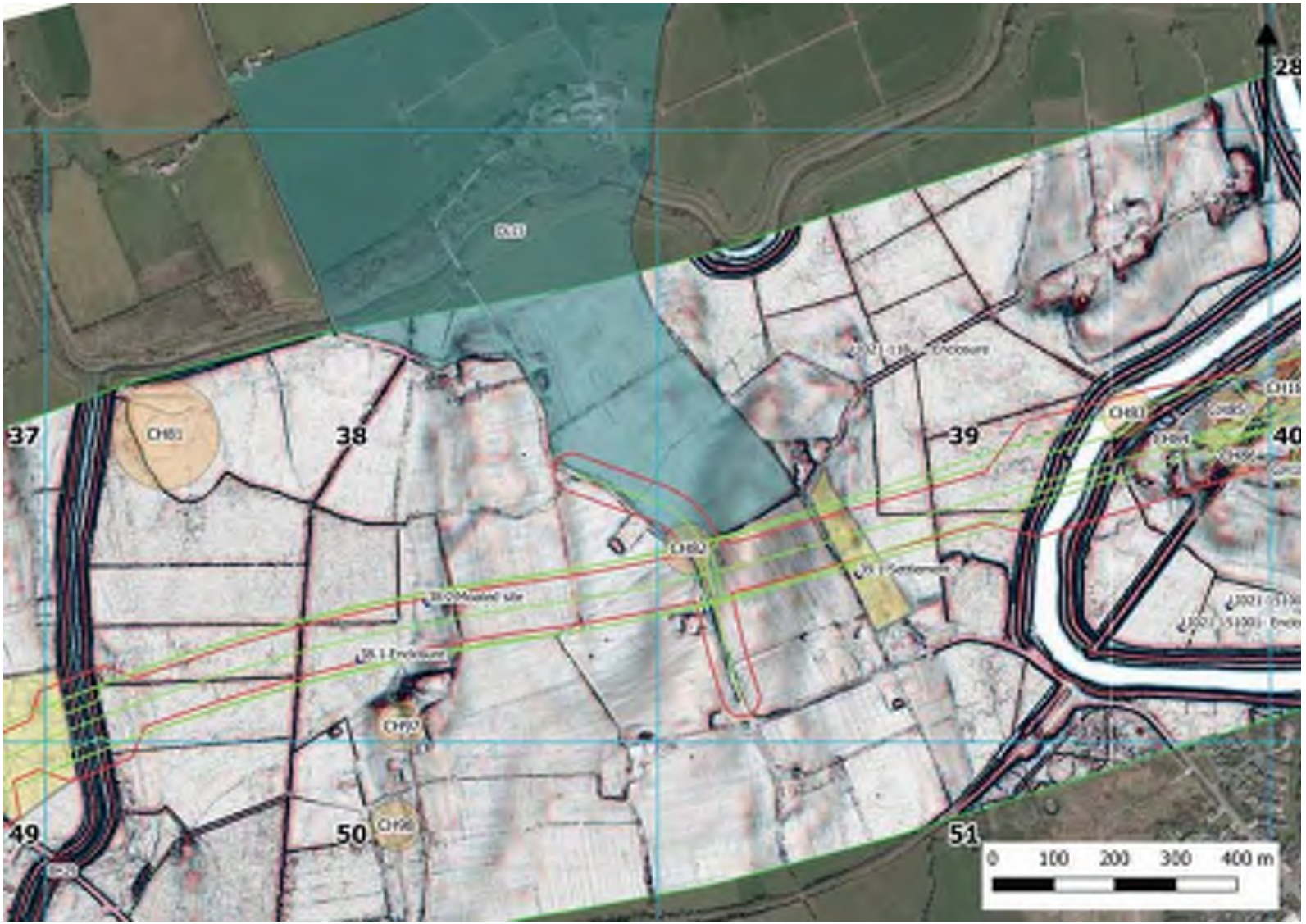
Grids 30-31. LRM over SVF image, scheme orthophotography baselayer



Grids 32-33. LRM over SVF image, scheme orthophotography baselayer.

Grids 34-35. LRM over SVF image, scheme orthophotography baselayer.

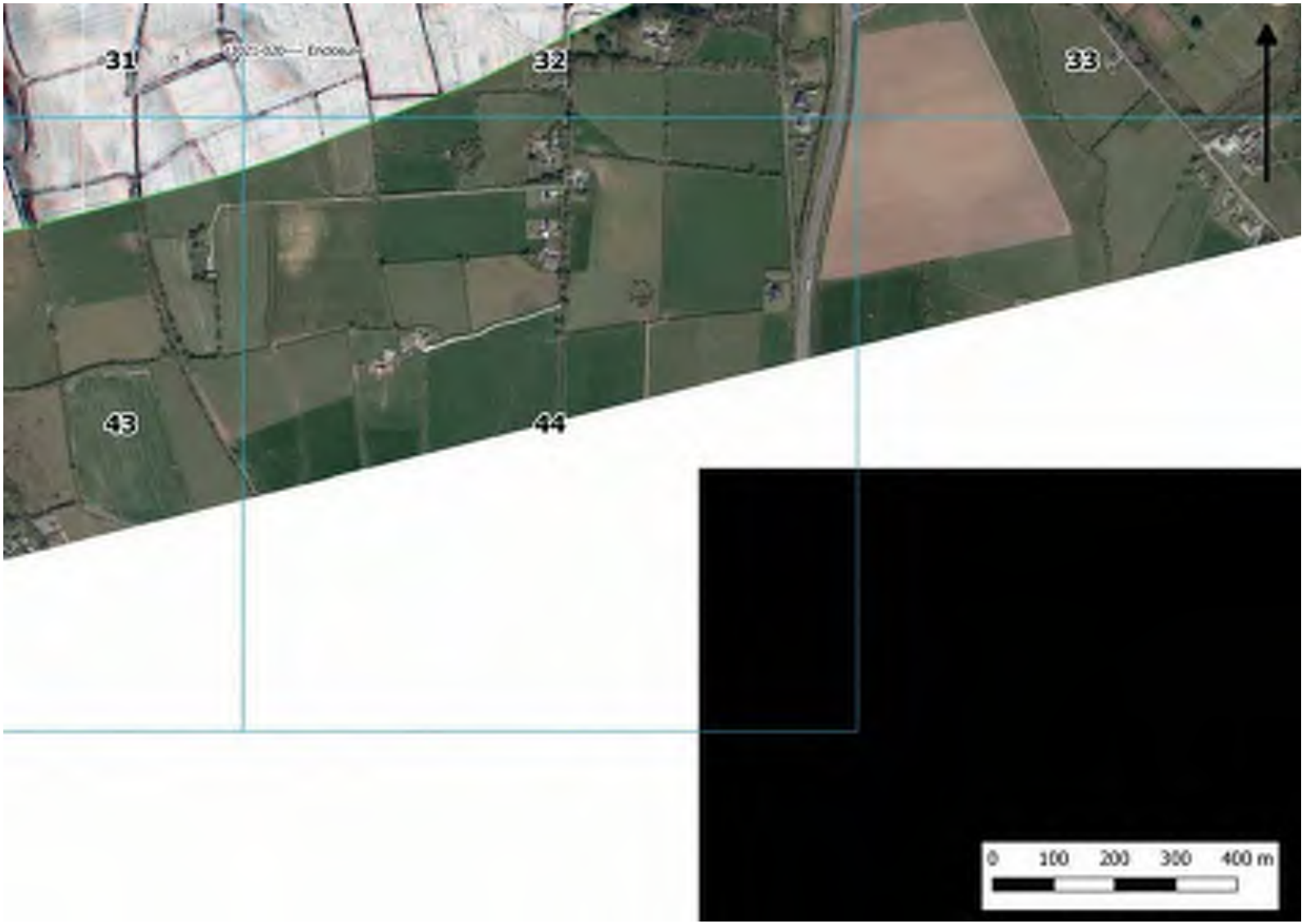
Grids 36-37. LRM over SVF image, scheme orthophotography baselayer.



Grids 38-39. LRM over SVF image, scheme orthophotography baselayer.

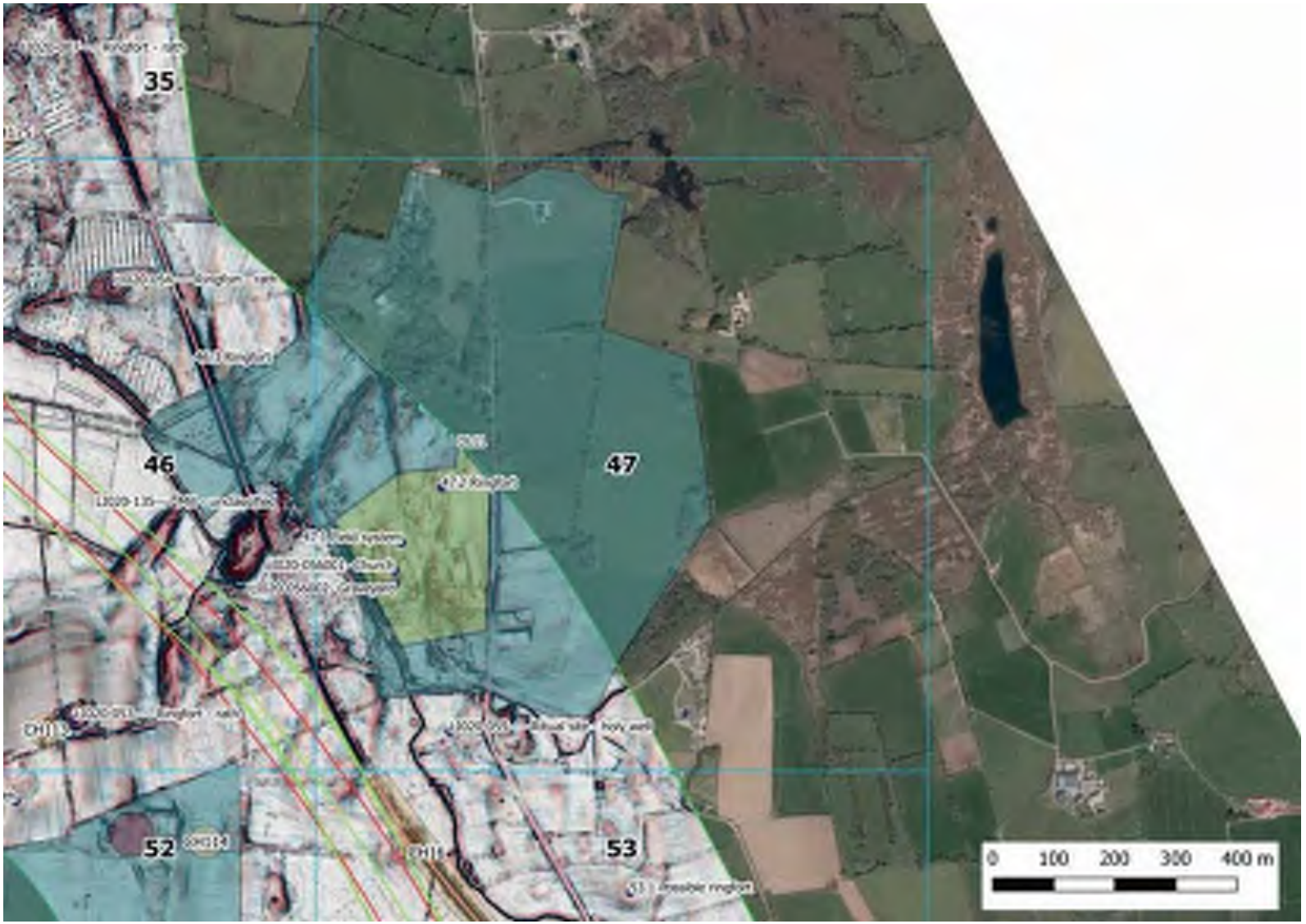
Grids 40-41. LRM over SVF image, scheme orthophotography baselayer.

Grids 42-43. LRM over SVF image, scheme orthophotography baselayer.

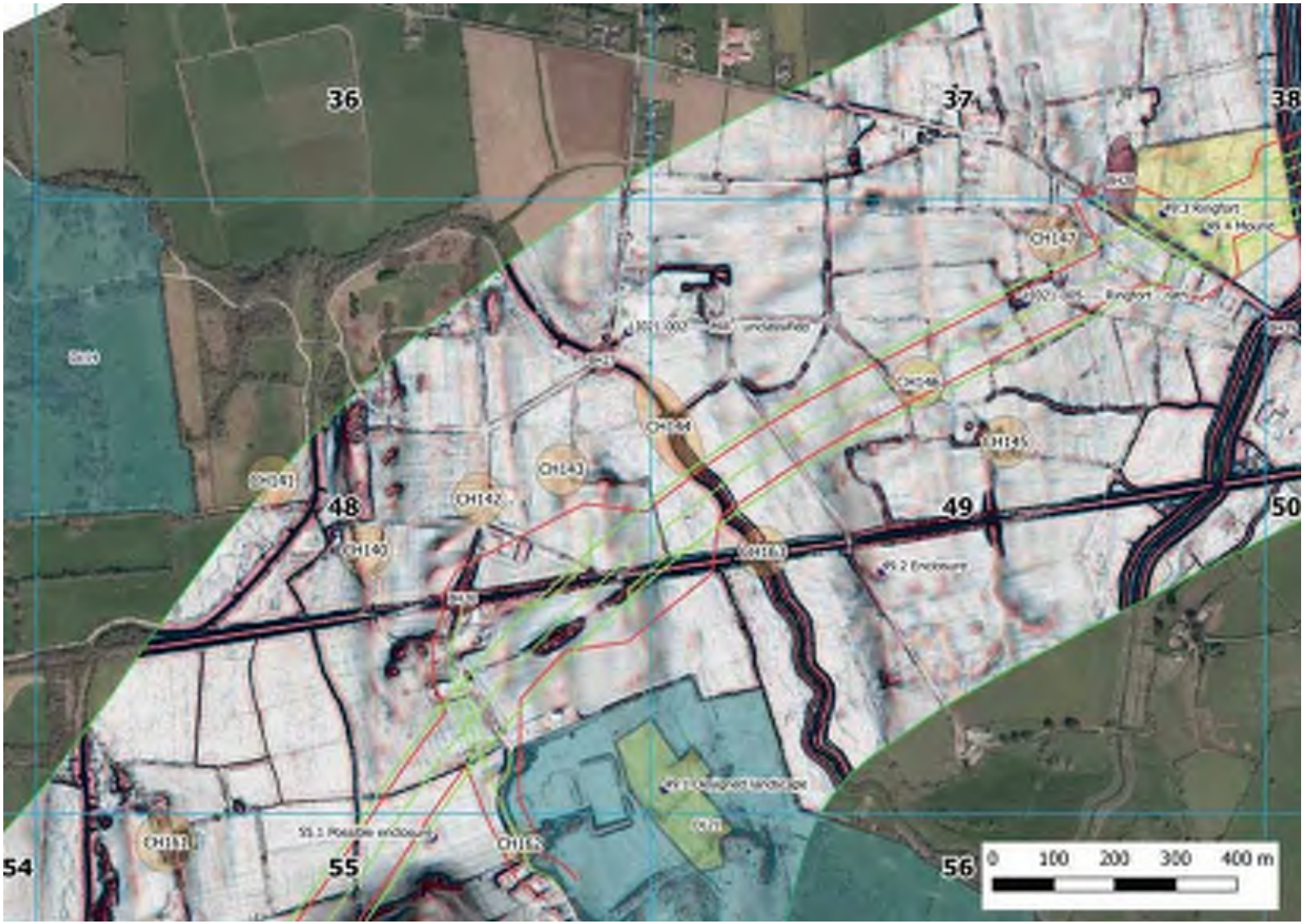


Grid 44. LRM over SVF image, scheme orthophotography baselayer.

Grids 45-46. LRM over SVF image, scheme orthophotography baselayer.

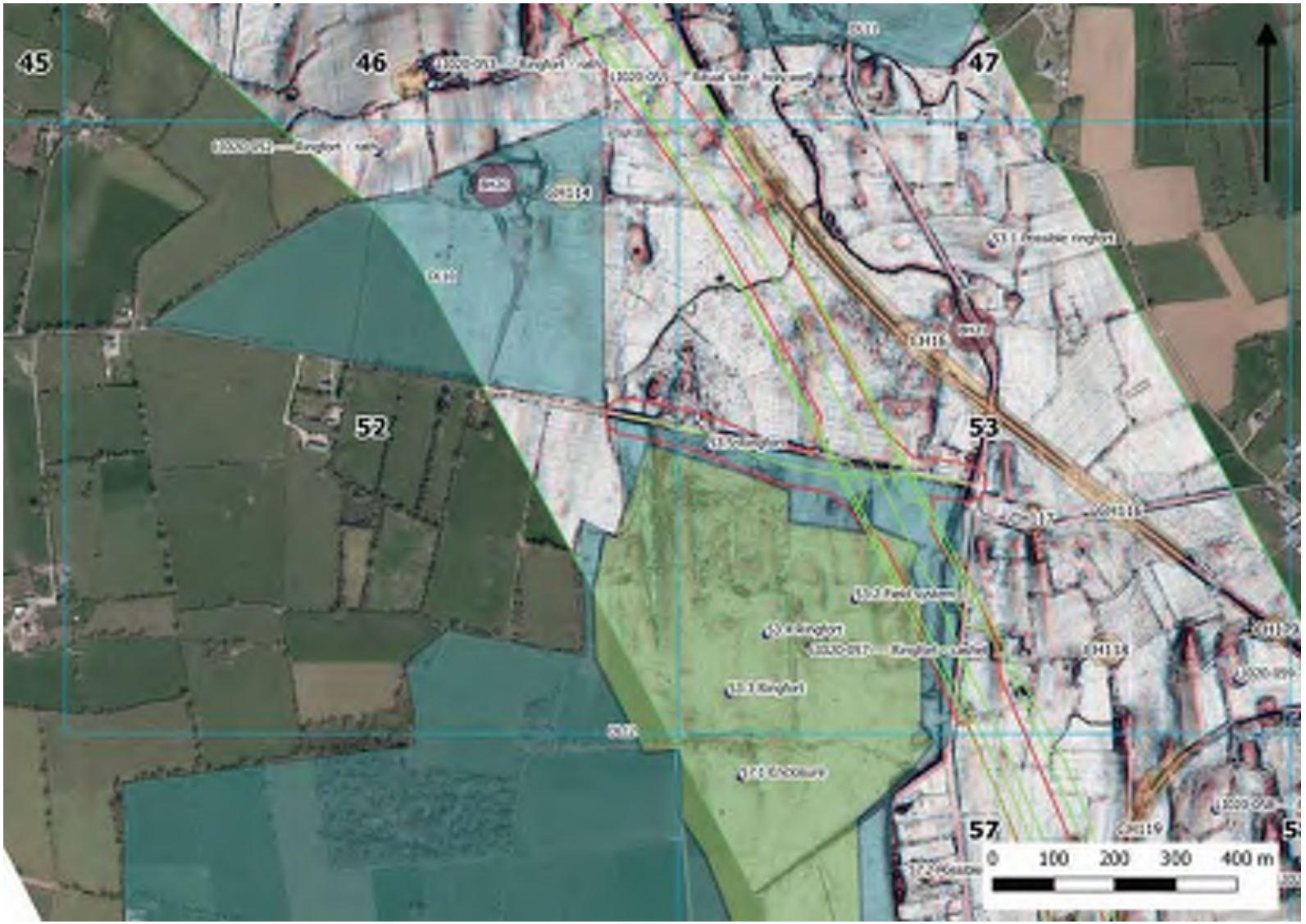


Grid 47. LRM over SVF image, scheme orthophotography baselayer.

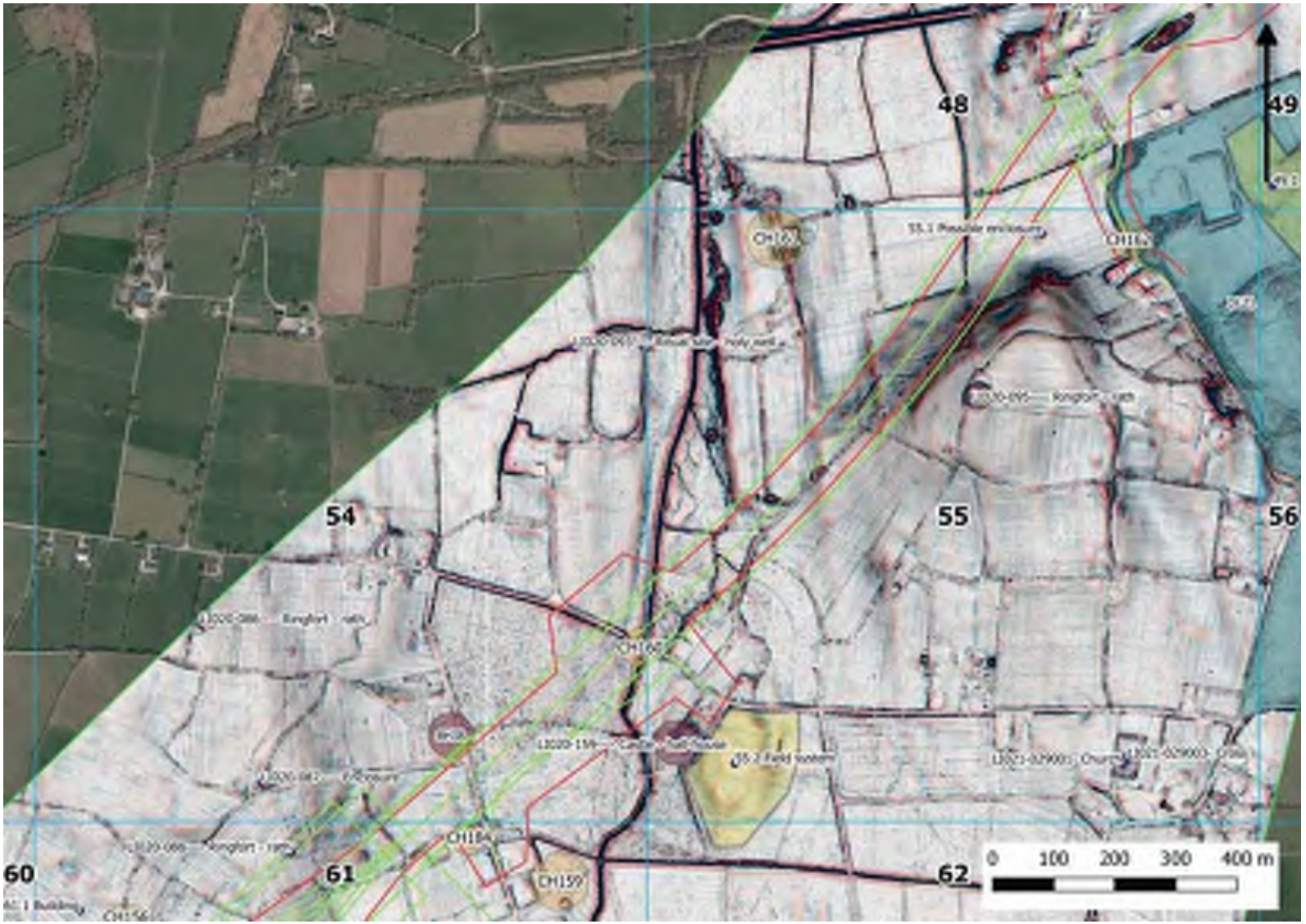


Grids 48-49. LRM over SVF image, scheme orthophotography baselayer.

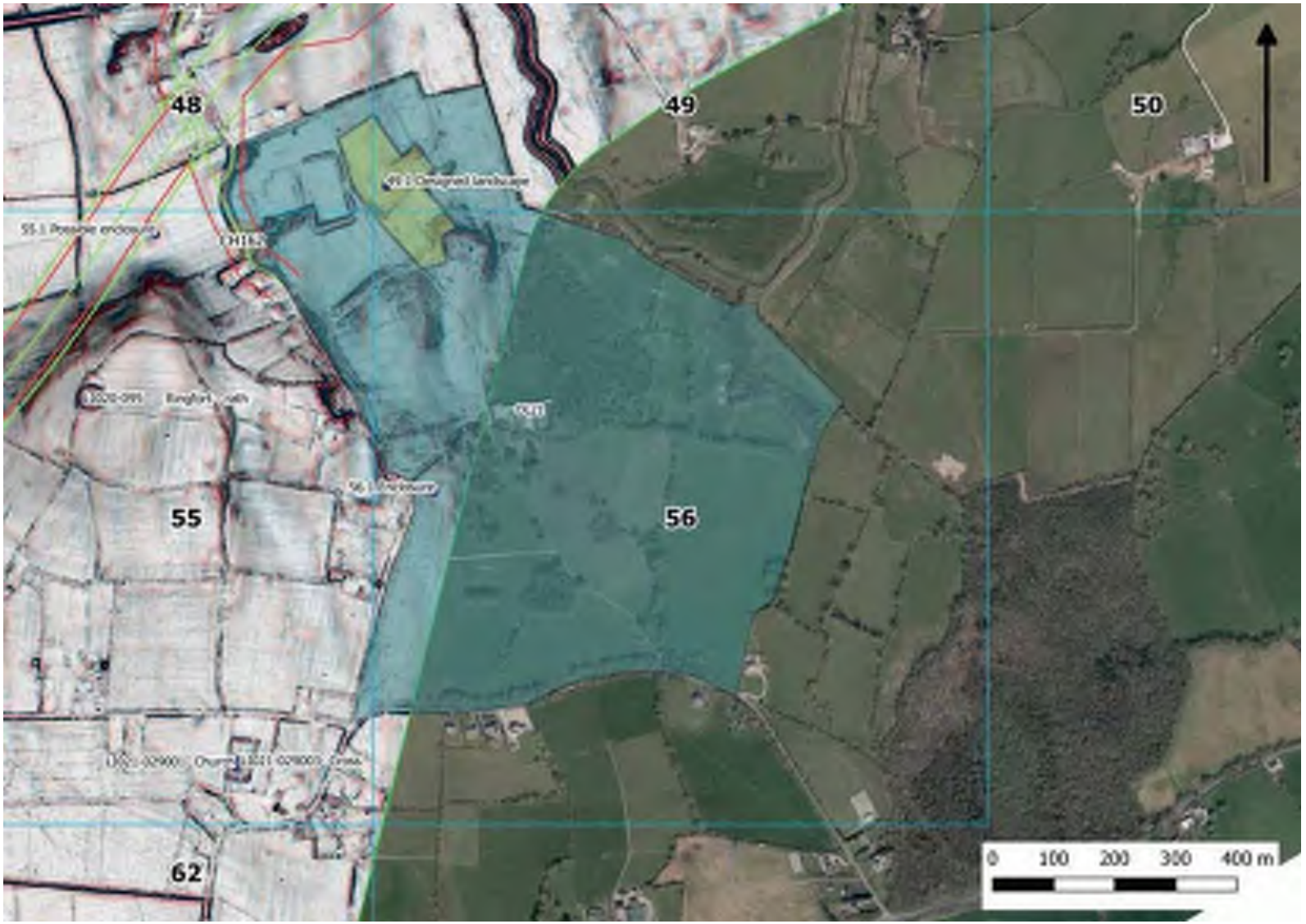
Grids 50-51. LRM over SVF image, scheme orthophotography baselayer.



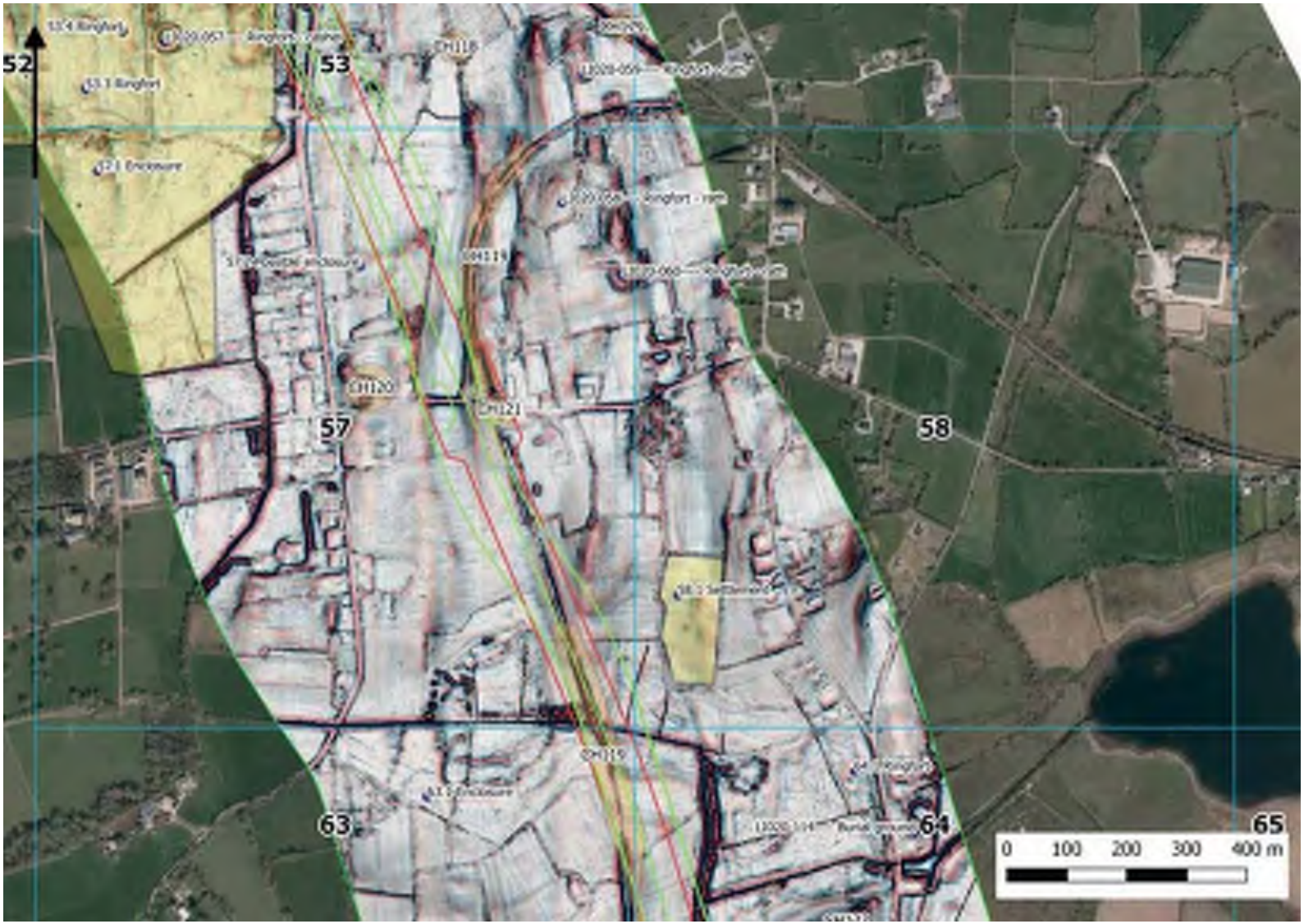
Grids 52-53. LRM over SVF image, scheme orthophotography baselayer.



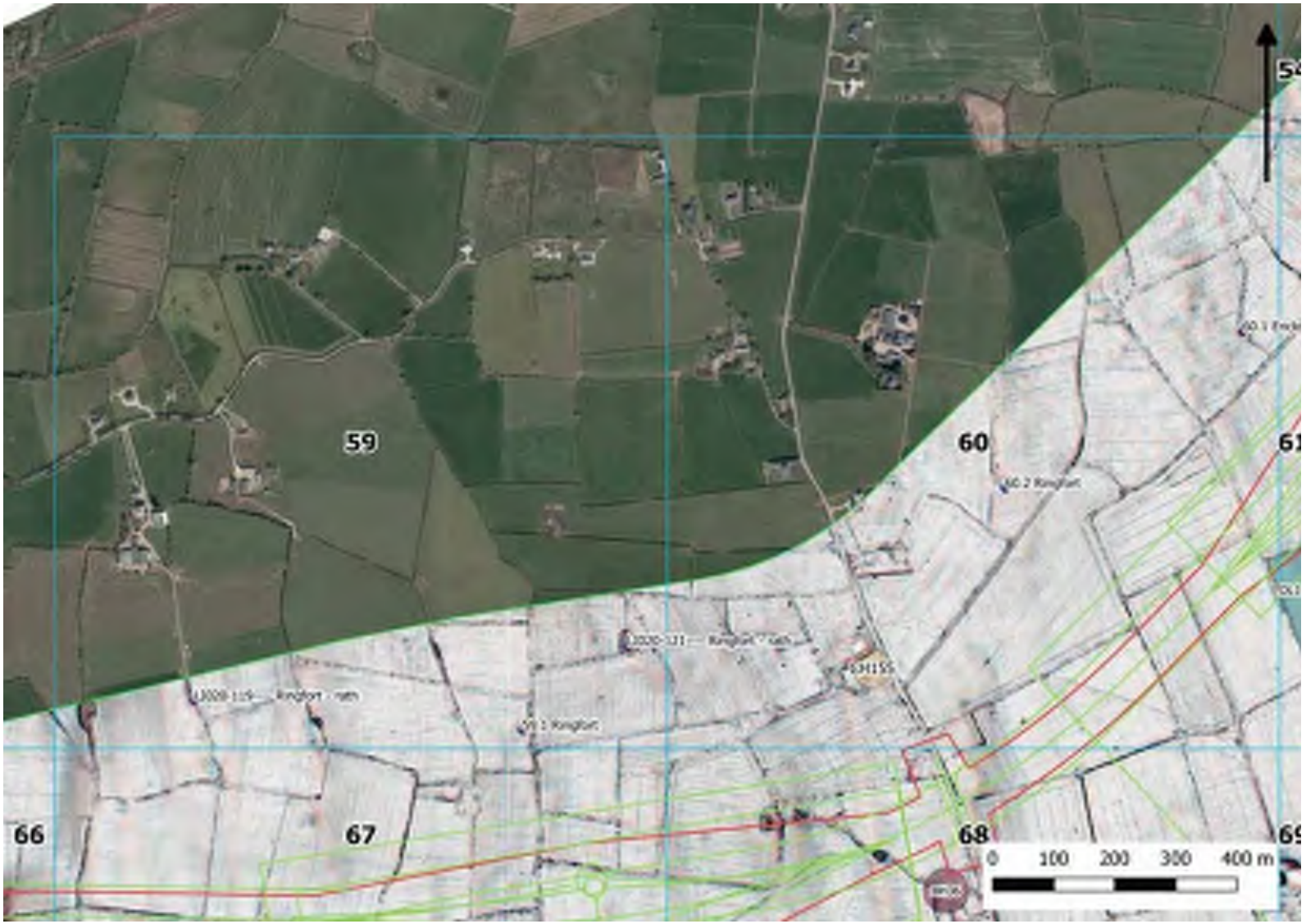
Grids 54-55. LRM over SVF image, scheme orthophotography baselayer.



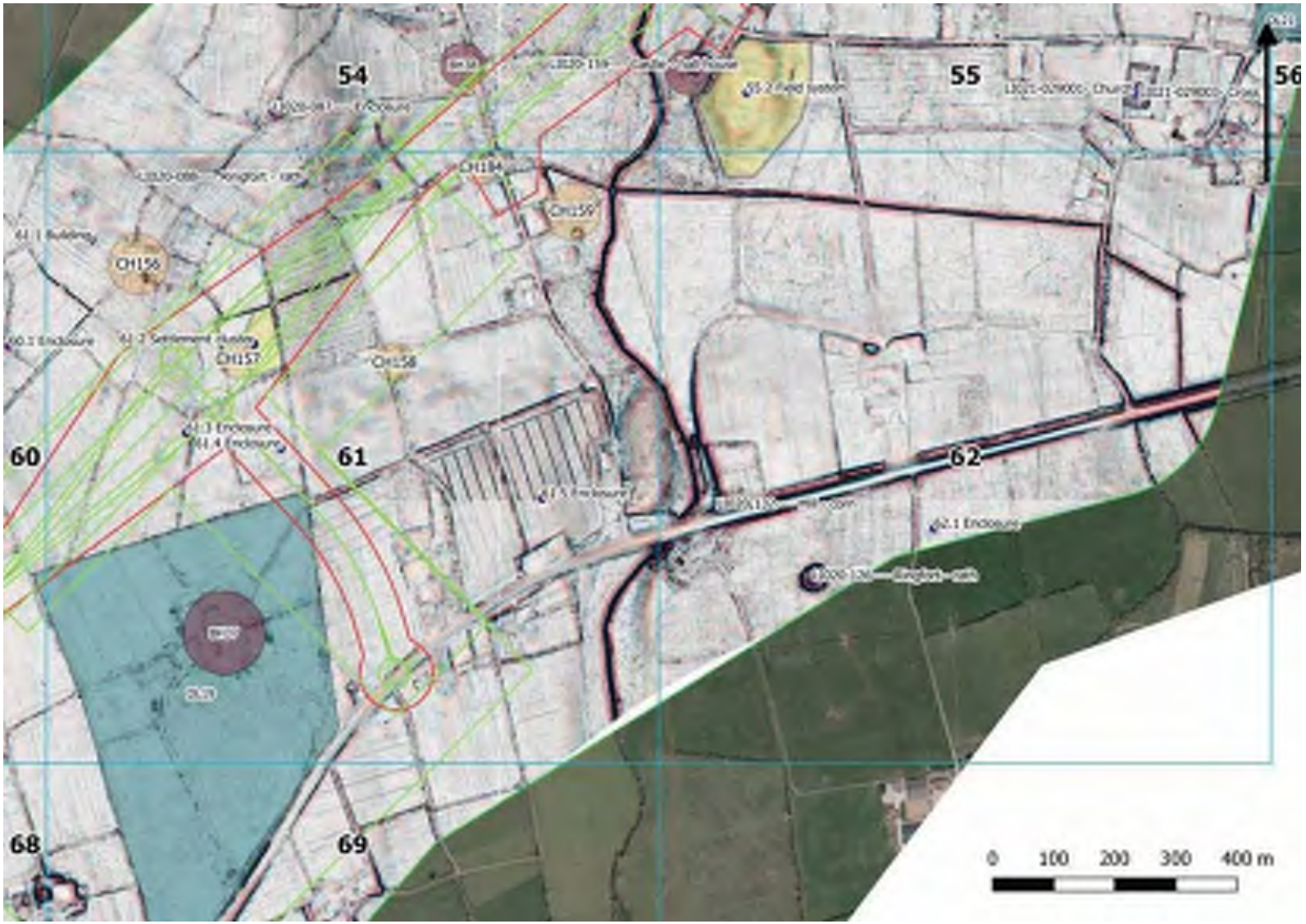
Grids 56. LRM over SVF image, scheme orthophotography baselayer.



Grids 57-58. LRM over SVF image, scheme orthophotography baselayer.



Grids 59-60. LRM over SVF image, scheme orthophotography baselayer.



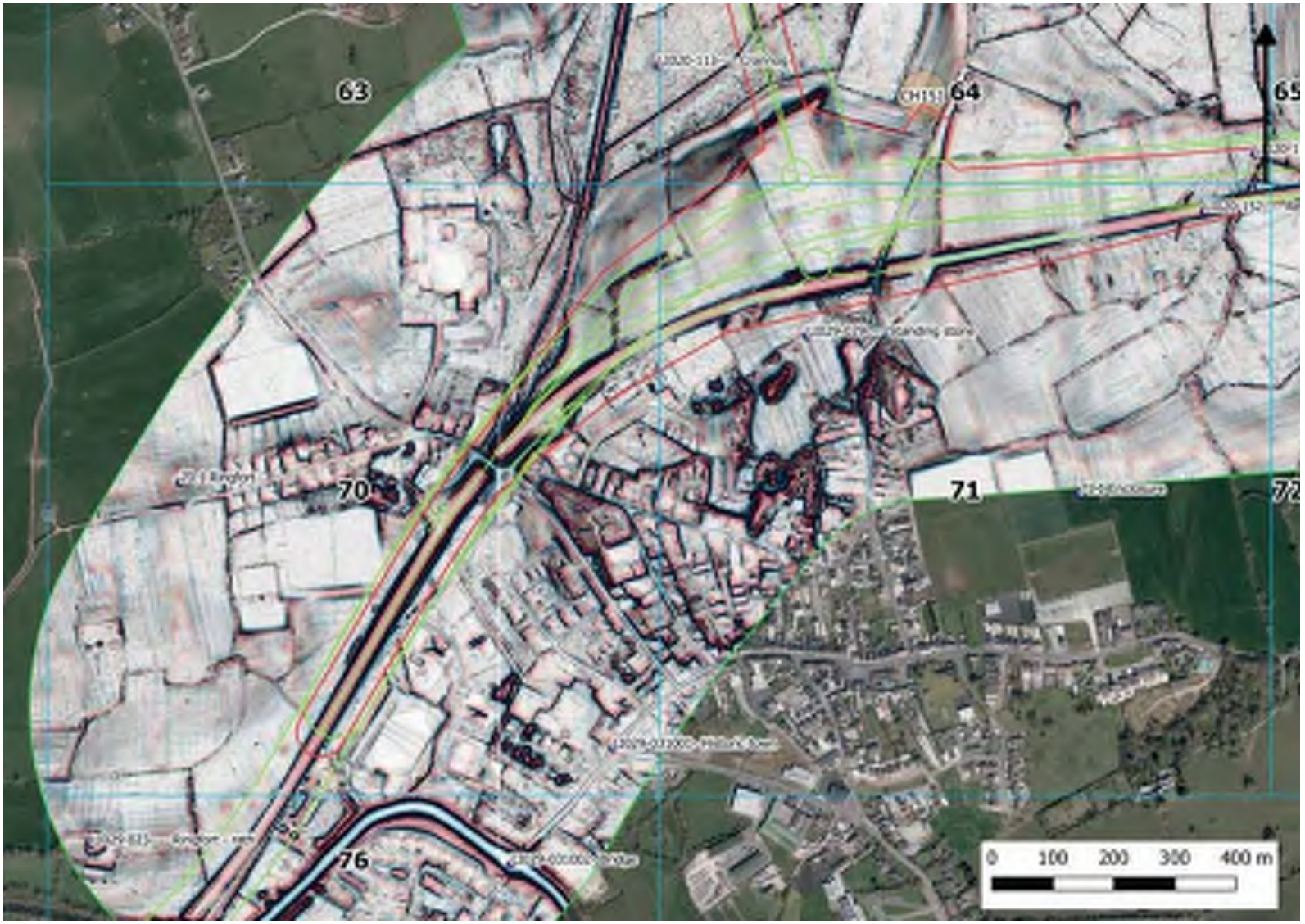
Grids 61-62. LRM over SVF image, scheme orthophotography baselayer.

Grids 63-64. LRM over SVF image, scheme orthophotography baselayer.

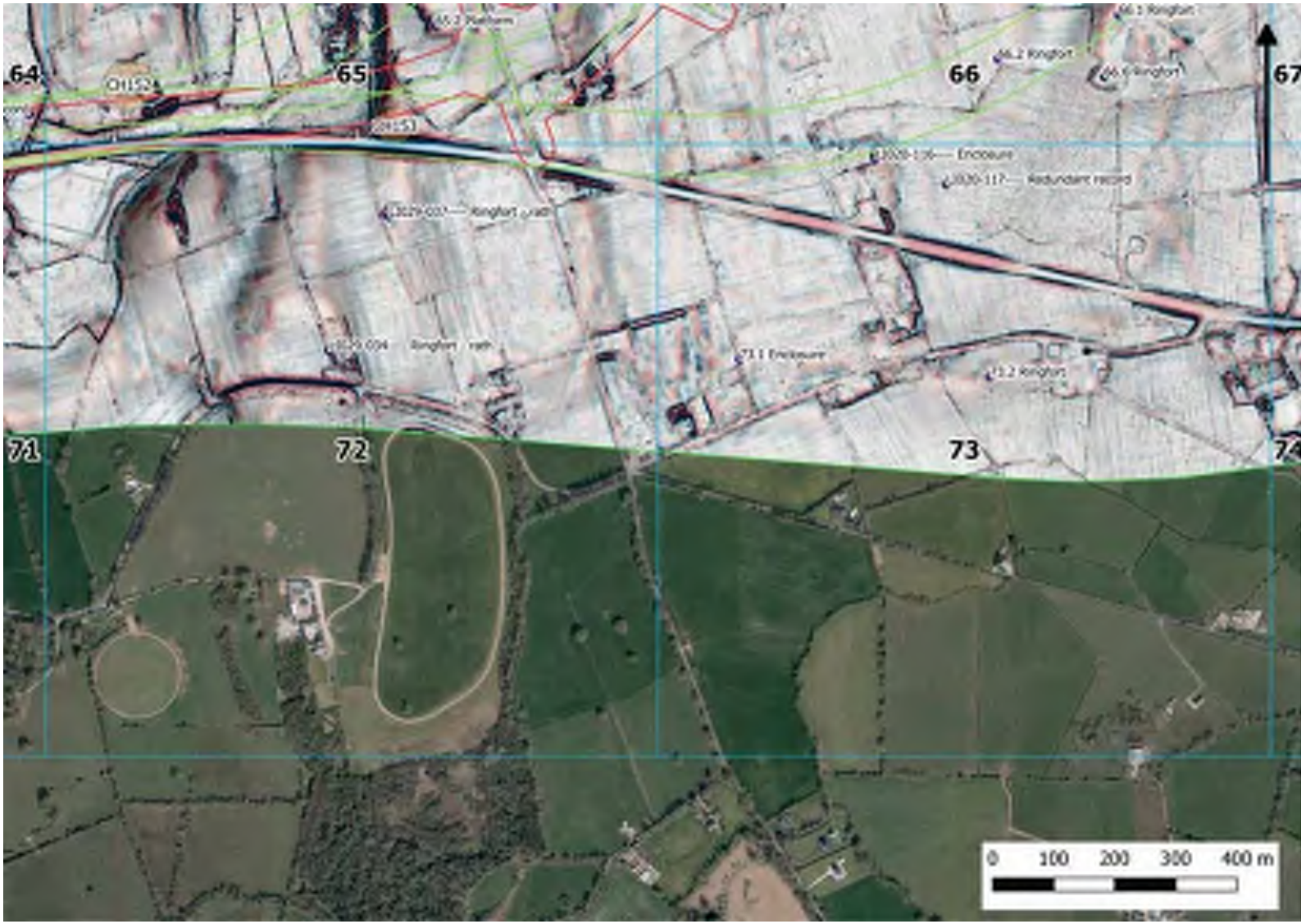
Grids 65-66. LRM over SVF image, scheme orthophotography baselayer.

Grids 67-68. LRM over SVF image, scheme orthophotography baselayer.

Grid 69. LRM over SVF image, scheme orthophotography baselayer.

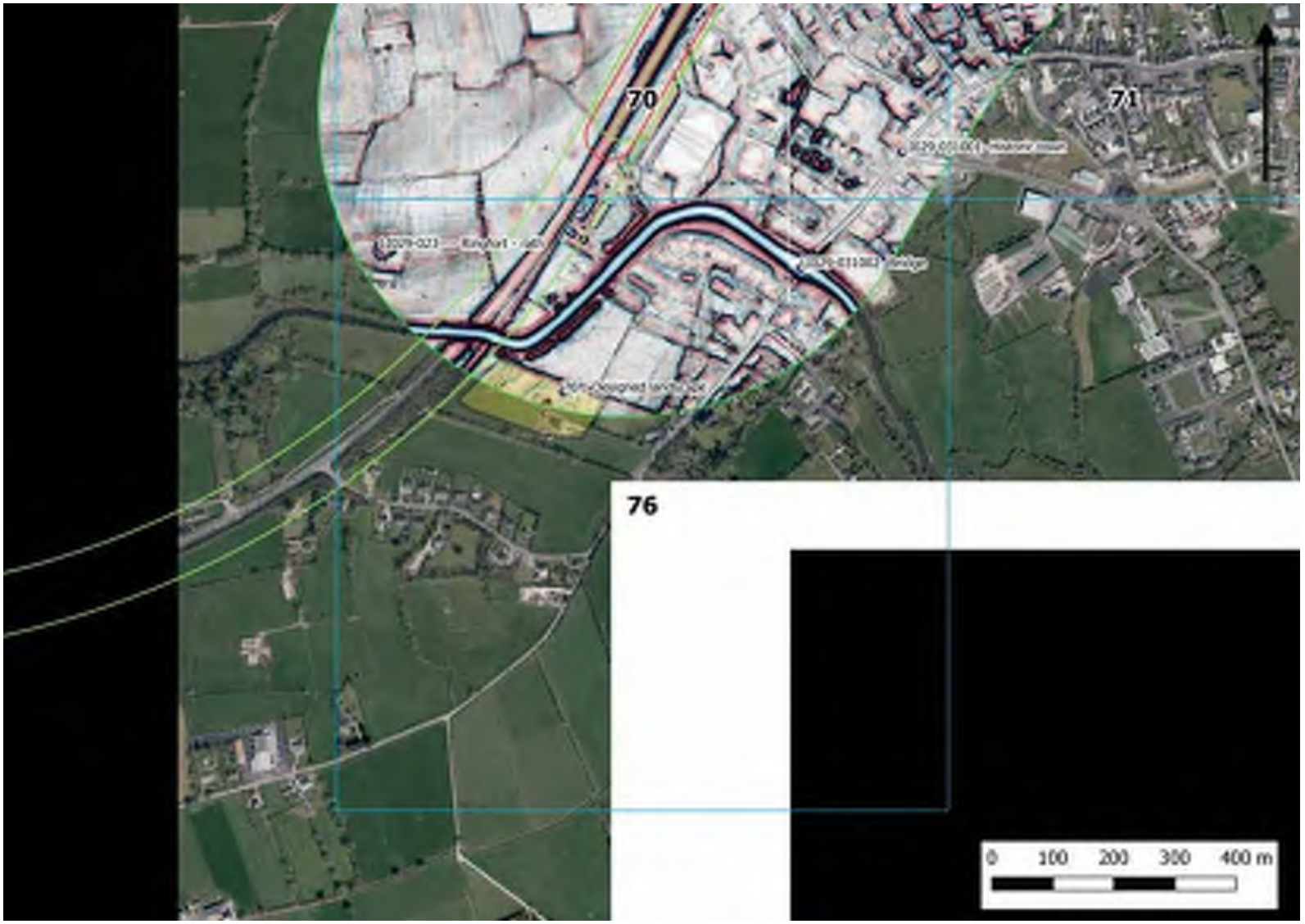


Grids 70-71. LRM over SVF image, scheme orthophotography baselayer.



Grids 72-73. LRM over SVF image, scheme orthophotography baselayer.

Grids 74-75. LRM over SVF image, scheme orthophotography baselayer.



Grid 76. LRM over SVF image, scheme orthophotography baselayer.

Appendix 4: Brief description of grid squares[3]

[3] In the tables below sites impacted by the 100 m road corridor are marked in bold.

Grid 1.

Class	Code	Townland	Barony	Parish	Confidence
Castle - tower house	LI010-007----	Corgrig	Shanid	Robertstown	1
Enclosure	LI010-009----	Durnish	Shanid	Robertstown	1
Field system	1.1	Corgrig	Shanid	Robertstown	1
Possible enclosure	1.2	Corgrig	Shanid	Robertstown	3
Enclosure	1.3	Corgrig	Shanid	Robertstown	2
Designed landscape	1.4	Corgrig	Shanid	Robertstown	2
Possible enclosure	1.5	Durnish	Shanid	Robertstown	2
Enclosure	1.6	Durnish	Shanid	Robertstown	3
Ringfort	1.7	Corgrig	Shanid	Robertstown	2

Increase from 2 to 9 sites. Much of this grid is occupied by the edge of Foynes town. Several features (e.g. 1.1; 1.2; 1.3; 1.4) lie within former Corgrig House demesne.

Grid 2.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort	2.1	Durnish	Shanid	Robertstown	1
Enclosure	2.2	Ardaneer	Shanid	Shanagolden	1
Settlement	2.3	Ardaneer	Shanid	Shanagolden	1
Settlement cluster	2.4	Ardaneer	Shanid	Shanagolden	2

Increase from 0 to 4 sites, three of which are strong candidates. Some reclaimed land within this grid square along the Robertstown River. Includes part of Churchfield townland.

Grid 3.

No sites recorded.

Grid 4.

No sites recorded.

Grid 5.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - cashel	LI010-010----	Ardaneer	Shanid	Shanagolden	1
Enclosure	5.1	Corgrig	Shanid	Robertstown	1
Enclosure	5.2	Corgrig	Shanid	Robertstown	1
Field system	5.3	Corgrig	Shanid	Robertstown	1
Field system	**5.4**	**Ardaneer**	**Shanid**	**Shanagolden**	**1**

Increase from 1 to 5 sites, all of which are strong candidates. Perhaps in the hinterland of the very large enclosure LI010-064001- which lies to the SW. Also includes some glebe land, perhaps assiociated with the adjacent townland of Churchfield or LI010-069001 which is in Grid 6. One site, field system 5.4, is impacted by the 100 m road corridor.

Grid 6

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI010-011----	Ardaneer	Shanid	Shanagolden	1
Ringfort - rath	LI010-012----	Ardaneer	Shanid	Shanagolden	1
Castle - tower house	LI010-013----	Churchfield	Shanid	Robertstown	1
Ringfort - rath	LI010-066----	Sroolane North	Shanid	Robertstown	0
Ringfort - rath	LI010-068----	Robertstown	Shanid	Robertstown	0
Church	LI010-069001-	Robertstown	Shanid	Robertstown	1
Graveyard	LI010-069002-	Robertstown	Shanid	Robertstown	1
Mill - unclassified	LI010-106----	Sroolane North	Shanid	Robertstown	0
Enclosure	LI010-144----	Robertstown	Shanid	Robertstown	1
Enclosure	6.1	Ardaneer	Shanid	Shanagolden	3
Ringfort	**6.2**	**Sroolane North**	**Shanid**	**Robertstown**	**2**
Barrow	6.3	Churchfield	Shanid	Shanagolden	1
Ringfort	6.4	Ardaneer	Shanid	Shanagolden	2

Increase from 9 to 13 sites, including one very strong candidate and one site (6.2) within the road corridor. Hinterland of Robertstown Castle (LI010-13) and church (LI010-069001-).

Grid 7.

Class	Code	Townland	Barony	Parish	Conf
Burial ground	LI010-071----	Robertstown	Shanid	Robertstown	2
Ringfort - rath	LI010-073----	Rincullia	Shanid	Robertstown	1

No potential new sites recorded. Mostly low-lying ground adjacent to Robertstown River.

Grid 8.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI010-079----	Craggs	Shanid	Robertstown	0
Ringfort - rath	LI010-084----	Craggs	Shanid	Robertstown	0
Burnt mound	LI010-141001-	Rincullia	Shanid	Robertstown	4
Pit	LI010-141002-	Rincullia	Shanid	Robertstown	4
Road - gravel/stone trackway - peatland	LI010-141003-	Rincullia	Shanid	Robertstown	4
Cashel	8.1	Craggs	Shanid	Robertstown	1
Platform	8.2	Craggs	Shanid	Robertstown	3
Ringfort	8.3	Oorla	Shanid	Robertstown	1

Increase from 5 to 8 sites, including two strong candidates. Southern part of grid dominated by a large quarry which extends to grid 16.

Grid 9.

Class	Code	Townland	Barony	Parish	Confidence
Mound	9.1	Mulderricksfield	Shanid	Robertstown	2

One potential new site. Grid only clipped by the road corridor.

Grid 10.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	10.1	Hazelfield	Shanid	Robertstown	1

One potential new strong candidate site. Grid only clipped by the road corridor.

Grid 11.

Class	Code	Townland	Barony	Parish	Confidence
Possible enclosure	11.1	Ballycullen	Connello Lower	Lismakeery	2
Enclosure	11.2	Ballycullen	Connello Lower	Lismakeery	1

Two potential new sites, including one strong candidate. Grid with some possible cut peatland or reclaimed land, with stream channel running n-s.

Grid 12.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI010-107----	Cloonreask	Connello Lower	Askeaton	1
Possible enclosure	12.1	Cloonreask	Connello Lower	Askeaton	2
Settlement cluster	**12.2**	**Cloonreask**	**Connello Lower**	**Askeaton**	**3**

Two potential new sites including one (12.2) within the road corridor.

Grid 13.

Class	Code	Townland	Barony	Parish	Conf
Ringfort - rath	LI011-090----	Cloonreask	Connello Lower	Askeaton	2

No potential new sites recorded. Adjacent to the town of askeaton and only clipped by the 1 km route corridor.

Grid 14.

Class	Code	Townland	Barony	Parish	Confidence
Excavation - miscellaneous	LI010-136006-	Inchagreenoge	Shanid	Robertstown	4
Burial	LI010-136005-	Inchagreenoge	Shanid	Robertstown	4
Excavation - miscellaneous	LI010-136001-	Inchagreenoge	Shanid	Robertstown	4
Road - unclassified togher	LI010-136002-	Inchagreenoge	Shanid	Robertstown	4
Fulacht fia	LI010-136003-	Inchagreenoge	Shanid	Robertstown	4
Fulacht fia	LI010-136004-	Inchagreenoge	Shanid	Robertstown	4
Burnt mound	LI010-142----	Robertstown	Shanid	Robertstown	4
Ringfort	14.1	Inchagreenoge	Shanid	Robertstown	3
Enclosure	14.2	Inchagreenoge	Shanid	Robertstown	2
Enclosure	14.3	Robertstown	Shanid	Robertstown	1
Enclosure	14.4	Robertstown	Shanid	Robertstown	1
Field system	14.5	Robertstown	Shanid	Robertstown	2

Increased from 7 to 12 sites, including two strong candidates. Includes a number of sites excavated on Gas Pipeline to the West in low-lying ground. This highlights the potential for these wetland areas to yield archaeological remains in this region.

Grid 15.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI010-070----	Robertstown	Shanid	Robertstown	1
Enclosure	**LI010-074----**	**Rincullia**	**Shanid**	**Robertstown**	**1**
Excavation - miscellaneous	LI010-140----	Rincullia	Shanid	Robertstown	4
Enclosure	15.1	Robertstown	Shanid	Robertstown	1
Ringfort	**15.2**	**Robertstown**	**Shanid**	**Robertstown**	**1**
Field system/ribbon settlement	**15.3**	**Robertstown**	**Shanid**	**Robertstown**	**1**
Ringfort	15.4	Robertstown	Shanid	Robertstown	2
Field system	15.5	Robertstown	Shanid	Robertstown	3
Ringfort	15.6	Robertstown	Shanid	Robertstown	1

Increase from 3 to 9 sites, including three strong potential new sites. Three sites within the road corridor – LI010-074, 15.2 and 15.3. An area of extensive early medieval activity around field system 15.3 especially.

Grid 16.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	**LI010-081----**	**Craggs**	**Shanid**	**Kilmoylan**	**0**
Field system	16.1	Rincullia	Shanid	Robertstown	1
Cashel	16.2	Rincullia	Shanid	Robertstown	1
Hilltop enclosure	**16.3**	**Rincullia**	**Shanid**	**Robertstown**	**1**
Possible enclosure	16.4	Ballinknockane	Shanid	Kilmoylan	1
Possible enclosure	16.5	Ballinknockane	Shanid	Kilmoylan	3

Increase from 1 to 6 sites, including four strong potential new sites. Two sites, hilltop enclosure 16.3 and ringfort LI010-081 – are impacted by the road corridor. Grid dominated by significant quarry and possible hilltop enclosure 16.3 (CH6).

Grid 17.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI010-087----	Craggs	Shanid	Kilmoylan	1
Ringfort - cashel	LI010-090----	Mulderricksfield	Shanid	Kilmoylan	1
Ringfort - rath	LI019-048----	Craggs	Shanid	Kilmoylan	1
Enclosure	LI019-238----	Craggs	Shanid	Kilmoylan	1
Enclosure	17.1	Mulderricksfield	Shanid	Kilmoylan	1
Settlement cluster	17.2	Mulderricksfield	Shanid	Robertstown	1
Ringfort	17.3	Mulderricksfield	Shanid	Kilmoylan	2
Possible enclosure	17.4	Mulderricksfield	Shanid	Kilmoylan	3
Enclosure	17.5	Craggs	Shanid	Kilmoylan	3
Enclosure	17.6	Craggs	Shanid	Kilmoylan	1
Platform	17.7	Craggs	Shanid	Kilmoylan	2
Field system	17.8	Mulderricksfield	Shanid	Kilmoylan	2

Increase from 4 to 12 sites, including three strong candidates. A significant area of early medieval archaeology including several enclosures. Predominantly low-lying.

Grid 18.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI010-097----	Ballyclogh (Connello Lower by.)	Connello Lower	Lismakeery	0
Ringfort - rath	LI010-098----	Ballyclogh (Connello Lower by.)	Connello Lower	Lismakeery	0
Ringfort - rath	LI010-099----	Mulderricksfield	Shanid	Kilmoylan	0
Pit	LI010-134----	Ballyellinan	Connello Lower	Lismakeery	4
Enclosure	18.1	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	1
Possible enclosure	**18.2**	**Ballyclogh (Ed Askeaton West)**	**Shanid**	**Lismakeery**	**3**
Enclosure	18.3	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	1
Possible enclosure	18.4	Ballyellinan	Connello Lower	Lismakeery	2
Field system	**18.5**	**Ballyclogh (Ed Askeaton West)**	**Connello Lower**	**Lismakeery**	**1**

Increase from 4 to 8 sites, including two strong candidates and one site impacted by the road corridor. Southern half of grid occupied by Ballyclogh Demesne, northern half by very small, irregular fields (field system 18.5), partly impacted by the 100 m road corridor.

Grid 19.

Class	Code	Townland	Barony	Parish	Confidence
Castle - unclassified	LI019-059----	Ballycullen	Connello Lower	Lismakeery	4
Redundant record	LI019-060----	Ballycullen	Connello Lower	Lismakeery	4
Fulachta fia	LI010-149----	Ballycullen	Connello Lower	Lismakeery	4
Field system	**19.1**	**Ballyclogh (Ed Askeaton West)**	**Connello Lower**	**Lismakeery**	**3**
Ringfort	19.2	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	1
Field system	19.3	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	2
Ringfort	**19.4**	**Ballyclogh (Ed Askeaton West)**	**Connello Lower**	**Lismakeer**	**1**

Increase from 3 to 7 sites, including 2 strong candidates. Two sites are impacted by the road corridor, including site 19.4 which lies within CH13. Almost entirely occupied by Ballycullen House demesne.

Grid 20.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI010-103----	Cloonreask	Connello Lower	Askeaton	1
Fulacht fia	LI019-268----	Baunreagh	Connello Lower	Askeaton	4
Fulacht fia	LI019-269----	Baunreagh	Connello Lower	Lismakeery	4
Enclosure	20.1	Baunreagh	Connello Lower	Askeaton	1

Increase from 4 to 5 sites, the only new site (20.1) being a strong candidate. Approximately half of the grid is outside of the 1 km route corridor. Much ground that is liable to flooding.

Grid 21.

No sites recorded. Only clipped by route corridor.

Grid 22.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI012-085----	Ballybronoge North	Pubblebrien	Killonahan	1
Enclosure	22.1	Ballybronoge North	Pubblebrien	Killonahan	1
Enclosure	22.2	Ballybronoge North	Pubblebrien	Killonahan	1

Increase from 1 to 3 sites, with the two additional sites being strong candidates. Grid only clipped by route corridor. Sites in grounds of spring lodge.

Grid 23.

Class	Code	Townland	Barony	Parish	Confidence
Designed landscape feature	LI012-138----	Attyflin	Pubblebrien	Killonahan	0
Fulacht fia	LI021-178----	Attyflin	Pubblebrien	Killonahan	0
Fulacht fia	LI021-183----	Attyflin	Pubblebrien	Killonahan	0

No additional sites recorded. Grid only clipped by route corridor.

Grid 24.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI019-058----	Ballyclogh (Connello Lower by.)	Connello Lower	Lismakeery	1
Field system	24.1	Ballyclogh (Ed Askeaton West)	Connello Lower	Lismakeery	3

One additional site recorded. Much of this grid is very low lying. Recorded as alluvium in GSI data. Some potential for wetland archaeology/fulachtai fia.

Grid 25.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	**LI019-064----**	**Lismakeery**	**Connello Lower**	**Lismakeery**	**1**
Fulacht fia	**LI020-163001-**	**Baunreagh**	**Connello Lower**	**Askeaton**	**4**
Excavation - miscellaneous	**LI020-163002-**	**Baunreagh**	**Connello Lower**	**Askeaton**	**4**
Pit	LI019-267----	Baunreagh	Connello Lower	Askeaton	4

No additional sites recorded. Some glebe land associated probably with Lismakeery chuch to the south. Three sites impacted by the road corridor, two of which have been previously excavated.

Grid 26.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI020-002----	Ballynacaheragh	Connello Lower	Askeaton	1
Fulacht fia	LI020-175----	Milltown North	Connello Lower	Lismakeery	4
Excavation - miscellaneous	LI020-177----	Milltown North	Connello Lower	Lismakeery	4
Enclosure	26.1	Milltown North	Connello Lower	Lismakeery	3
Ringfort	26.2	Milltown North	Connello Lower	Lismakeery	1
Enclosure	26.3	Milltown North	Connello Lower	Lismakeery	3
Building	26.4	Ballynacaheragh	Connello Lower	Askeaton	2
Field system	26.5	Milltown North	Connello Lower	Lismakeery	2

Increase from 3 to 8 sites recorded, including one strong candidate. An active area of early medieval archaeology, especially to the south of the road corridor.

Grid 27.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-006----	Boolaglass	Connello Lower	Nantinan	1

No new sites recorded. Grid only clipped by route corridor. Bisected N-S by Deel River.

Grid 28.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort	28.1	Mondellihy	Coshma	Adare	1

One new site recorded, a strong candidate. Grid only clipped by route corridor. Grounds of Mondellihy House.

Grid 29.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	**LI021-147002-**	**Kilgobbin**	**Coshma**	**Adare**	**0**

No new sites recorded. Significant part of grid occupied by grounds of Mondellihy House. One site impacted by road corridor, of which no topographic trace remains.

Grid 30.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI021-014----	Kilgobbin	Coshma	Adare	1
Enclosure	LI021-015----	Rineroe	Coshma	Adare	2
Enclosure	LI021-115----	Ballyloughnaan	Pubblebrien	Croom	0
Enclosure	**LI021-148----**	**Kilgobbin**	**Coshma**	**Adare**	**0**
Possible enclosure	30.1	Rineroe	Coshma	Adare	2

Increase from 4 to 5 sites recorded. One site (LI021-148) is impacted by the road corridor but has no topographic expression. Much low-lying ground, especially to west of grid.

Grid 31.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI021-018----	Ballycarrane	Pubblebrien	Croom	2
Enclosure	LI021-020----	Killeen (Coshma by)	Coshma	Adare	1
Moated site	**LI021-017----**	**Gorteen (Pubblebrien by.)**	**Pubblebrien**	**Croom**	**3**
Enclosure	LI021-121----	Monearla	Coshma	Adare	1
Kiln - corn-drying	**LI021-180----**	**Gorteen (Pubblebrien by.)**	**Pubblebrien**	**Croom**	**4**
Fulacht fia	**LI021-181001-**	**Ballycarrane**	**Pubblebrien**	**Croom**	**4**
Fulacht fia	**LI021-181002-**	**Ballycarrane**	**Pubblebrien**	**Croom**	**4**
Kiln - corn-drying	**LI021-187----**	**Gorteen (Pubblebrien by.)**	**Pubblebrien**	**Croom**	**4**
Enclosure	31.1	Ballycarrane	Pubblebrien	Croom	1
Enclosure	**31.2**	**Gorteen (ed Clarina)**	**Pubblebrien**	**Croom**	**1**
Ringfort	31.3	Ballycarrane	Pubblebrien	Croom	1

Increase from 7 to 10 sites, including 6 to be impacted by the road corridor. Of these, four sites were excavated as part of previous infrastructural projects and one (LI021-017) is likely to be the same as 31.2. Includes grounds of Ballycurrane House and Newborough House.

Grid 32.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI021-021----	Ballybronoge South	Pubblebrien	Killonahan	2
Settlement deserted - medieval	LI021-025001-	Ballybronoge South	Pubblebrien	Killonahan	1
Burial ground	LI021-025002-	Ballybronoge South	Pubblebrien	Killonahan	1
Redundant record	LI021-122----	Ballybronoge South	Pubblebrien	Killonahan	4
Ring-ditch	**LI021-167----**	**Ballybronoge South**	**Pubblebrien**	**Killonahan**	**4**
Road - road/trackway	LI021-025003-	Ballybronoge South	Pubblebrien	Killonahan	1
Hearth	LI021-185----	Ballybronoge South	Pubblebrien	Killonahan	4
Enclosure	32.1	Ballybronoge South	Pubblebrien	Killonahan	1

Increase from 7 to 8 sites, with one additional strong candidate. One site is impacted by the road corridor but was previously excavated as part of the N20/N21 road improvement scheme (98E0506). Grounds of Attyflin House, including significant later medieval archaeology associated with LI021-025001.

Grid 33.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI021-027----	Attyflin	Pubblebrien	Killonahan	2
Fulacht fia	LI021-177----	Attyflin	Pubblebrien	Killonahan	4
Field system	33.1	Attyflin	Pubblebrien	Killonahan	1
Deserted settlement (continued)	33.2	Attyflin	Pubblebrien	Killonahan	1
Field system	33.3	Attyflin	Pubblebrien	Killonahan	2
Ringfort	33.4	Attyflin	Pubblebrien	Killonahan	2

Increase from 2 to 6 sites, including two strong candidates. Grounds of Attyflin House including significant later medieval archaeology associated with LI021-025001.

Grid 34.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-003----	Milltown North	Connello lower	Lismakeery	1
Ringfort - cashel	LI020-004001-	Milltown North	Connello lower	Lismakeery	1
Castle - tower house	LI020-004002-	Milltown North	Connello lower	Lismakeery	1
Souterrain	LI020-176----	Milltown North	Connello lower	Lismakeery	1
Hollow way	34.1	Milltown North	Connello lower	Lismakeery	1
Building	34.2	Milltown South	Connello lower	Lismakeery	2
Enclosure	34.3	Milltown South	Connello lower	Lismakeery	2
Possible burnt mound	34.4	Milltown South	Connello lower	Lismakeery	2

Increase from 4 to 8 sites, including one strong candidate. Hinterland of large cashel LI020-004001-. Despite townland name no recorded mill.

Grid 35.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	**LI020-005----**	**Milltown north**	**Connello lower**	**Lismakeery**	**0**
Ringfort - rath	LI020-007----	Boolaglass	Connello lower	Nantinan	1
Possible enclosure	35.1	Boolaglass	Connello lower	Nantinan	2
Modified landscape feature	35.2	Boolaglass	Connello lower	Nantinan	2
Mound	35.3	Boolaglass	Connello lower	Nantinan	2
Ringfort	35.4	Boolaglass	Connello lower	Nantinan	1
Possible burnt mound	35.5	Bullaun	Connello lower	Nantinan	2

Increase from 2 to 7 sites, including one strong candidate. Enclosure LI020-005 will be impacted by the road corridor. Grid dominated by small field systems.

Grid 36.

No sites recorded.

Grid 37.

No sites recorded.

Grid 38.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	**38.1**	**Kilknockan**	**Kenry**	**Adare**	**2**
Moated site	**38.2**	**Kilknockan**	**Kenry**	**Adare**	**1**

Two new sites recorded, including one strong candidate. Both will be impacted by the road corridor. Much low-lying ground, recorded as alluvium in GSI mapping. Possibility of wetland sites/fulacht.

Grid 39.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI021-118----	Islandea	Coshma	Adare	2
Enclosure	LI021-151001-	Ardshanbally	Coshma	Adare	0
Enclosure	LI021-151002-	Ardshanbally	Coshma	Adare	0
Settlement	**39.1**	**Islandea**	**Coshma**	**Adare**	**2**

One new site recorded which will be impacted by the road corridor. Bisected by Maigue River and clipping Curraghbridge Demesne.

Grid 40.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	**LI021-010----**	**Ardshanbally**	**Coshma**	**Adare**	**0**
Enclosure	**LI021-011001-**	**Mondellihy**	**Coshma**	**Adare**	**1**
Enclosure	**LI021-011002-**	**Mondellihy**	**Coshma**	**Adare**	**1**
Fulacht fia	**LI021-173----**	**Ardshanbally**	**Coshma**	**Adare**	**4**
Chapel	LI021-032011-	Adare	Coshma	Adare	1
Enclosure	LI021-143----	Ardshanbally	Coshma	Adare	0
Enclosure	**LI021-144----**	**Ardshanbally**	**Coshma**	**Adare**	**0**
Enclosure	**LI021-149----**	**Ardshanbally**	**Coshma**	**Adare**	**0**
Ringfort	40.1	Ardshanbally	Coshma	Adare	3

Increase from 8 to 9 sites, 6 of which are to be impacted by the road corridor. Includes one site previously excavated as part of infrastructural works and two sites where no visible trace remains. Clips northern edge of Adare **m**anor. Riverside situation raises potential for fulachtai fia (Maigue River).

Grid 41.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	LI021-145----	Mondellihy	Coshma	Adare	2
Enclosure	**LI021-146----**	**Kilgobbin**	**Coshma**	**Adare**	**0**
Enclosure	**LI021-147001-**	**Kilgobbin**	**Coshma**	**Adare**	**0**
Enclosure	LI021-150----	Rineroe	Coshma	Adare	0
Excavation - miscellaneous	LI021-179----	Kilgobbin	Coshma	Adare	4

No new sites recorded. Two previously identified sites to be impacted by the road corridor, neither of which have any topographic trace.

Grid 42.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	42.1	Rineroe	Coshma	Adare	1

One previously unrecorded site, a strong candidate. Low-lying ground to northwest of grid (alluvium), with potential for wetland sites/fulachtai fia.

Grid 43.

No sites recorded.

Grid 44.

No sites recorded. Only clipped by route corridor.

Grid 45.

No sites recorded. Only clipped by route corridor.

Grid 46.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-053----	Feeagh	Connello lower	Nantinan	1
Ringfort - rath	LI020-054----	Nantinan	Connello lower	Nantinan	1
Mill - unclassified	LI020-135----	Feeagh	Connello lower	Nantinan	4
Enclosure	46.1	Ardgoul north	Connello lower	Nantinan	1
Enclosure	46.2	Ardgoul North	Connello lower	Nantinan	1
Ringfort	46.3	Nantinan	Connello lower	Nantinan	1

Increase from 3 to 6 sites, including three strong candidates. Much of grid taken up by grounds of Nantinan House.

Grid 47.

Class	Code	Townland	Barony	Parish	Confidence
Ritual site - holy well	LI020-055----	Ardgoul South	Connello lower	Nantinan	4
Church	LI020-056001-	Nantinan	Connello lower	Nantinan	1
Graveyard	LI020-056002-	Nantinan	Connello lower	Nantinan	1
Field system	47.1	Nantinan	Connello lower	Nantinan	1
Ringfort	47.2	Nantinan	Connello lower	Nantinan	1

Increase from 3 to 5 sites, including two strong candidates. Grounds of Nantinan House, including fair green. Potentially a significant later medieval settlement.

Grid 48.

Class	Code	Townland	Barony	Parish	Confidence
Mill - unclassified	LI021-002----	Tuogh (Kenry by.)	Kenry	Adare	4

No new sites recorded. Some areas of low-lying ground, liable to floods.

Grid 49.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	**LI021-005----**	**Tuogh (Kenry by.)**	**Kenry**	**Adare**	**1**
Designed landscape	49.1	Clonshire Beg	Connello lower	Clonshire	1
Enclosure	49.2	Rower Nore	Coshma	Adare	1
Ringfort	49.3	Tuogh (Ed Adare North)	Kenry	Adare	1
Mound	**49.4**	**Tuogh (Ed Adare North)**	**Kenry**	**Adare**	**3**

Increase from 1 to 4 sites including 3 strong candidates. Two sites to be impacted by the road corridor, including LI021-005. Significant area of alluvium running from NW (grid 38). Potential for wetland archaeology/fulachtai fiadh.

Grid 50.

No sites recorded

Grid 51.

No sites recorded.

Grid 52.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-052----	Feeagh	Connello Lower	Nantinan	1

No new sites recorded. Much of grid taken up by grounds of Wellmount House (bh20).

Grid 53.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - cashel	LI020-057----	Graigeen	Connello Llower	Nantinan	1
Ringfort - rath	LI020-059----	Ballingarrane	Connello Llower	Nantinan	1
Possible ringfort	53.1	Ballingarrane	Connello Llower	Nantinan	2
Field system	53.2	Graigeen	Connello Llower	Nantinan	1
Ringfort	53.3	Graigeen	Connello Llower	Nantinan	1
Ringfort	53.4	Graigeen	Connello Llower	Nantinan	2
Ringfort	53.5	Graigeen	Connello Llower	Nantinan	1

Increase from 2 to 7 sites, including 3 strong candidates. Much of grid within Stoneville demesne. Several sites (53.2; 53.3; 53.4; LI020-057) lie within the former deer park.

Grid 54.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-086----	Ballinvira	Connello Lower	Cappagh	1
Enclosure	LI020-087----	Graigue (Connello lower by., Croagh ed)	Connello Lower	Clonshire	1
Ritual site - holy well	LI020-093----	Ballinvira	Connello Lower	Croagh	4

No new sites recorded. Includes part of the grounds of Ballinvira House.

Grid 55.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-095----	Clonshire More	Connello Lower	Clonshire	1
Church	LI021-029001-	Clonshire More	Connello Lower	Clonshire	1
Graveyard	LI021-029002-	Clonshire More	Connello Lower	Clonshire	1
Cross	LI021-029003-	Clonshire More	Connello Lower	Clonshire	1
Cross	LI021-029004-	Clonshire More	Connello Lower	Clonshire	1
Castle - hall-house	LI020-159----	Clonshire More	Connello Lower	Clonshire	1
Possible enclosure	**55.1**	**Gortnagrour**	**Connello** Lower	**Clonshire**	**2**
Field system	55.2	Clonshire More	Connello Lower	Clonshire	2

Increase from 6 to 8 sites, including one (a possible quarry) which will be impacted by the road corridor. Substantial glebe field associated with LI021-029001.

Grid 56.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	56.1	Clonshire beg	Connello Lower	Clonshire	1

One new site recorded, a strong candidate. Grid mostly taken up by Clonshire Lodge and only clipped by route corridor.

Grid 57.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-058----	Ballingarrane	Connello Lower	Nantinan	0
Ringfort - rath	LI020-060----	Ballingarrane	Connello Lower	Nantinan	1
Enclosure	57.1	Stoneville	Connello Lower	Nantinan	1
Possible enclosure	57.2	Ballingarrane	Connello Lower	Nantinan	3

Increase from 2 to 4 sites, including one strong candidate. Catches edge of Stoneville Demesne.

Grid 58.

Class	Code	Townland	Barony	Parish	Confidence
Settlement	58.1	Ballingarrane	Connello Lower	Nantinan	2

One new potential site. Catches edge of Doohyle Lough, so potential for wetland sites

Grid 59.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-119----	Clogh east	Connello Lower	Croagh	1
Ringfort - rath	LI020-121----	Croagh	Connello Lower	Croagh	1
Ringfort	59.1	Clogh east	Connello Lower	Croagh	1

Increase from 2 to 3 sites, with one strong candidate. Much of grid outside of route corridor.

Grid 60.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	60.1	Croagh	Connello Lower	Croagh	1
Ringfort	60.2	Knockdromin	Connello Lower	Clonshire	1

Two previously unrecorded sites, both strong candidates.

Grid 61.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	**LI020-088----**	**Graigue (connello lower by., croagh ed)**	**Connello Lower**	**Clonshire**	**1**
Building	61.1	Croagh	Connello Lower	Croagh	1
Settlement cluster	**61.2**	**Croagh**	**Connello Lower**	**Croagh**	**3**
Enclosure	**61.3**	**Croagh**	**Connello Lower**	**Croagh**	**2**
Enclosure	61.4	Croagh	Connello Lower	Croagh	1
Enclosure	61.5	Croagh	Connello Lower	Croagh	1

Increase from 1 to 6 sites, including three strong candidates. Three sites to be impacted by the road corridor, including 61.2 which lies within CH157. Includes BH37 (Smithfield House).

Grid 62.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-126----	Coolballyshane	Connello Lower	Clonshire	1
Mill - corn	LI020-132----	Coolballyshane	Connello Lower	Clonshire	4
Enclosure	62.1	Coolballyshane	Connello Lower	Clonshire	2

Increase from 2 to 3 sites. Includes significant area of low-lying ground, including alluvium adjacent to LI020-159.

Grid 63.

Class	Code	Townland	Barony	Parish	Confidence
Crannog	LI020-113----	Kyletaun	Connello Lower	Rathkeale	1
Enclosure	63.1	Kyletaun	Connello Lower	Rathkeale	3
Ringfort	63.2	Kyletaun	Connello Lower	Rathkeale	1
Enclosure	63.3	Kyletaun	Connello Lower	Rathkeale	2

Increase from 1 to 4 sites, including 1 strong candidate. Includes significant area of wetlands, former lake at Kyletaun.

Grid 64.

Class	Code	Townland	Barony	Parish	Confidence
Burial ground	LI020-114----	Kyletaun	Connello Lower	Rathkeale	0
Redundant record	**LI020-115----**	**Wolfesburgess east**	**Connello Lower**	**Rathkeale**	**4**
Standing stone	LI020-156----	Rathkeale	Connello Lower	Rathkeale	0
Ringfort	64.1	Ballingarrane	Connello Lower	Nantinan	2

Increase from 3 to 4 sites. One site (the redundant record LI020-115) will be impacted by the road corridor. Including large area of terrestrialised lake (formerly Doohyle Lough).

Grid 65.

Class	Code	Townland	Barony	Parish	Confidence
Enclosure	65.1	Wolfesburgess East	Connello Lower	Rathkeale	3
Platform	65.2	Blossomhill (ed Rathkeale Rural)	Connello Lower	Rathkeale	2

Two previously unrecorded sites. Including large area of terrestrialised lake (formerly Doohyle Lough) and southern spur in Blossom Hill.

Grid 66.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort	66.1	Amogan Beg	Connello Lower	Croagh	2
Ringfort	**66.2**	**Amogan Beg**	**Connello Lower**	**Croagh**	**2**
Enclosure	66.3	Clogh west	Connello Lower	Croagh	1
Possible enclosure	**66.4**	**Clogh West**	**Connello Lower**	**Croagh**	**3**
Ringfort	66.5	Clogh West	Connello Lower	Croagh	2
Ringfort	66.6	Amogan Beg	Connello Lower	Croagh	2

Six new sites recorded, including one strong candidate. Two sites (66.2 and 66.4) will be impacted by the road corridor. Includes significant element of early medieval settlement. Some low-lying ground.

Grid 67.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-120----	Amogan Beg	Connello Lower	Croagh	1
Ringfort - rath	LI020-137----	Ballycannon	Connello Lower	Croagh	0

No new sites recorded.

Grid 68.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI020-122----	Ballycannon	Connello Lower	Croagh	1
Castle - unclassified	LI020-123001-	Adamswood	Connello Lower	Croagh	1
Church	LI020-123003-	Adamswood	Connello Lower	Croagh	1
Graveyard	LI020-123002-	Adamswood	Connello Lower	Croagh	1
Fulacht fia	LI020-172001-	Adamswood	Connello Lower	Croagh	4
Fulacht fia	LI020-172002-	Adamswood	Connello Lower	Croagh	4
Fulacht fia	LI020-172003-	Adamswood	Connello Lower	Croagh	4
Fulacht fia	LI020-172004-	Adamswood	Connello Lower	Croagh	4
Fulacht fia	LI020-172005-	Adamswood	Connello Lower	Croagh	4
Fulacht fia	LI020-174----	Adamswood	Connello Lower	Croagh	4

No new sites recorded. Several fulachtai fia were dug here as part of the Croagh Sewerage Scheme.

Grid 69.

Class	Code	Townland	Barony	Parish	Confidence
Fulacht fia	LI020-171001-	Adamswood	Connello Lower	Croagh	4
Fulacht fia	LI020-171002-	Adamswood	Connello Lower	Croagh	4

No new sites recorded. Includes further sites dug as part of the Croagh Sewerage Scheme.

Grid 70.

Class	Code	Townland	Barony	Parish	Confidence
Historic town	LI029-031001-	Abbeylands,English Tenements,Enniscoush,Rathkeale	Connello Lower	Rathkeale	1
Ringfort	70.1	Kyletaun	Connello Lower	Rathkeale	1

Increase from 1 to 2 sites, including one strong candidate. Southern half of grid occupied by the town of Rathkeale.

Grid 71.

Class	Code	Townland	Barony	Parish	Confidence
Redundant record	**LI020-152----**	**Rathkeale**	**Connello Lower**	**Rathkeale**	**4**
Standing stone	LI029-029----	Rathkeale	Connello Lower	Rathkeale	4
Enclosure	71.1	Wolfesburgess East	Connello Lower	Rathkeale	2

Increase from 2 to 3 sites. Reduntant record LI020-152 will be impacted by the road corridor. Much of grid occupied by the town of Rathkeale.

Grid 72.

CLASSDESC	SMRS	TOWNLAND	BARONY	PARISH	Confidence
Ringfort - rath	LI029-034----	Blossomhill (Connello Lower By.)	Connello Lower	Rathkeale	1
Ringfort - rath	LI029-037----	Blossomhill (Connello Lower By.)	Connello Lower	Rathkeale	1

No new sites recorded. Clips edge of Beechmount Demesne to the south.

Grid 73.

CLASSDESC	SMRS	TOWNLAND	BARONY	PARISH	Confidence
Enclosure	**LI020-116----**	**Amogan Beg**	**Connello Lower**	**Croagh**	**0**
Redundant record	LI020-117----	Amogan Beg	Connello Lower	Croagh	4
Enclosure	73.1	Croagh Commons	Connello Lower	Croagh	1
Ringfort	73.2	Ballymacave	Connello Lower	Croagh	2

Increase from 2 to 4 sites with one strong candidate. One site (LI021-116) will be impacted by the road corrodor.

Grid 74.

CLASSDESC	SMRS	TOWNLAND	BARONY	PARISH	Confidence
Ringfort - rath	LI029-042----	Amogan Beg	Connello Lower	Croagh	1

No new sites recorded. Includes much of grounds of Newpark House. Some low-lying wet areas and glebe lands further south.

Grid 75.

No sites recorded

Grid 76.

Class	Code	Townland	Barony	Parish	Confidence
Ringfort - rath	LI029-023----	Wolfesburgess West	Connello Lower	Rathkeale	1
Bridge	LI029-031002-	English Tenements,Enniscoush,Rathkeale	Connello Lower	Rathkeale	1
Designed landscape	76.1	Castlematrix	Connello Lower	Rathkeale	2

Increase from 2 to 3 sites. Includes glebe lands associated with church at Mount Southwell and grounds of Castlematrix.

Appendix 5: Image catalogue

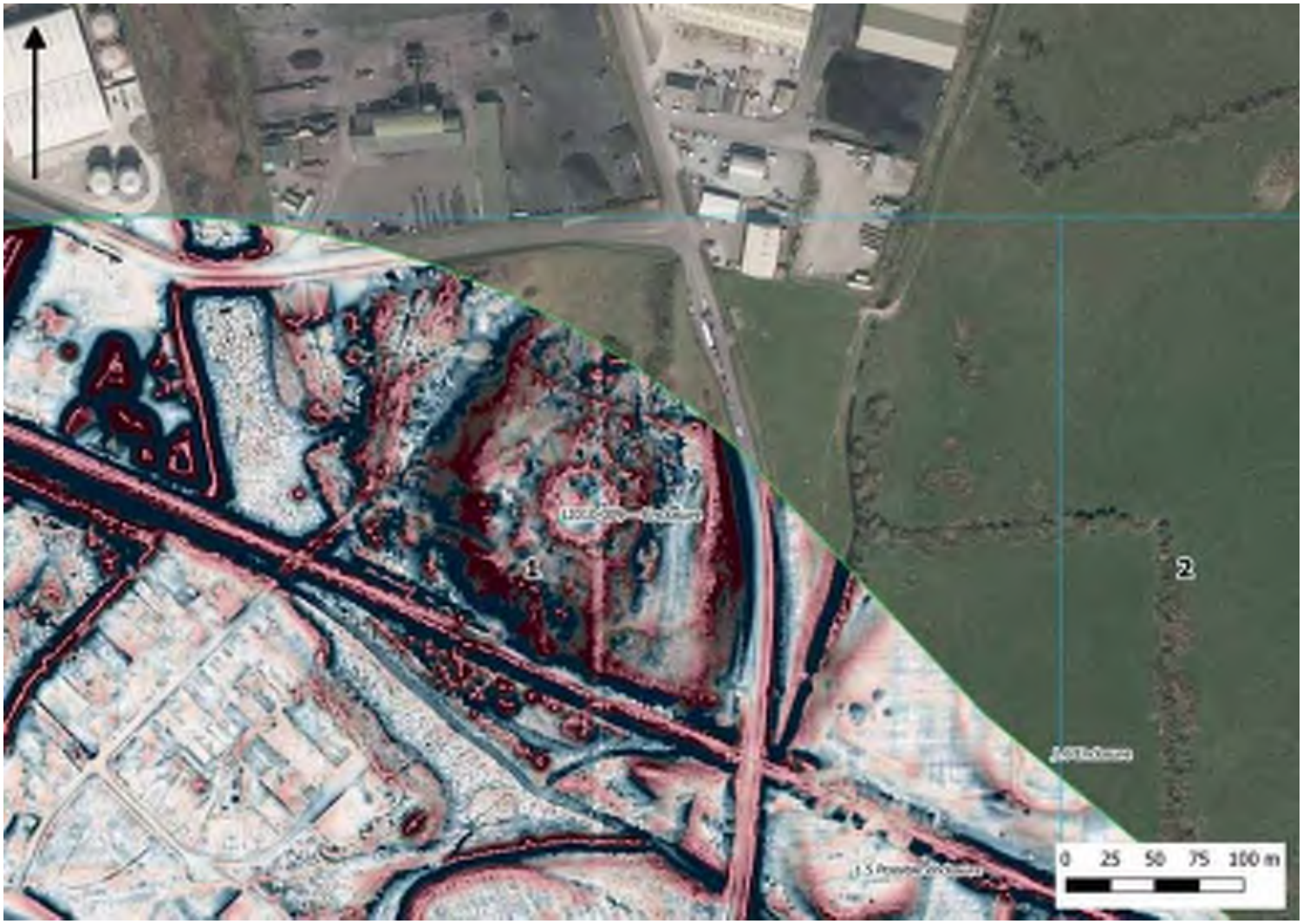
Grid 1

LI010-007. Corgrig Castle. Heavily wooded. Former landscaped grounds of Corgrig House now covered by housing development to the east.

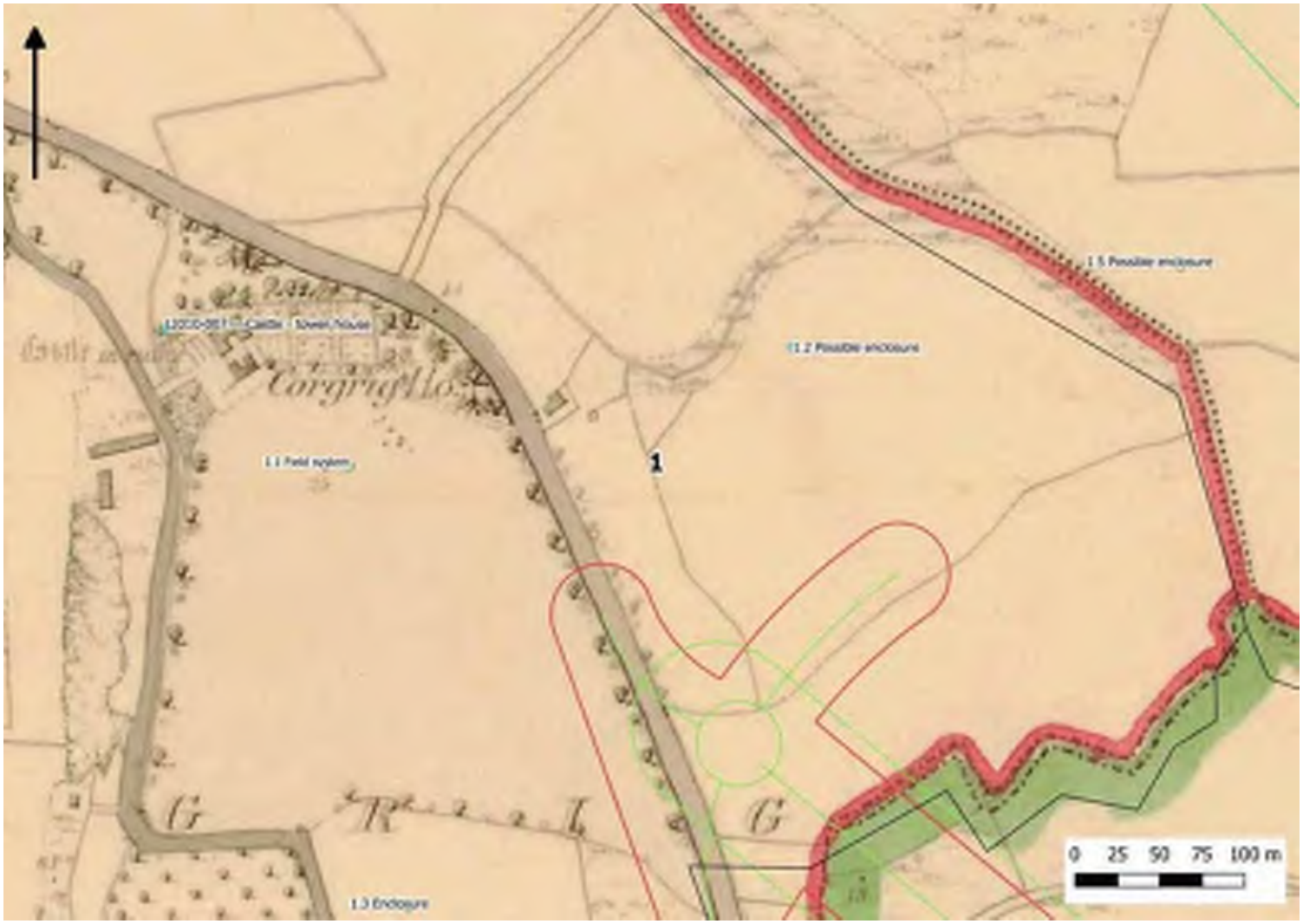
LI010-007. Corgrig Castle. Heavily wooded. Former landscaped grounds of Corgrig Castle now covered by housing development to the east. Scheme orthophotography.

LI010-007. Corgrig Castle. Heavily wooded. Former landscaped grounds now covered by housing development to the east. LRM over SVF.

LI010-009. Heavily wooded univallate ringfort, 37 m diameter. Occupies prominent position on a bluff, with the land falling away to the west. Green line denotes boundary of 1km route corridor. Scheme orthophotography.



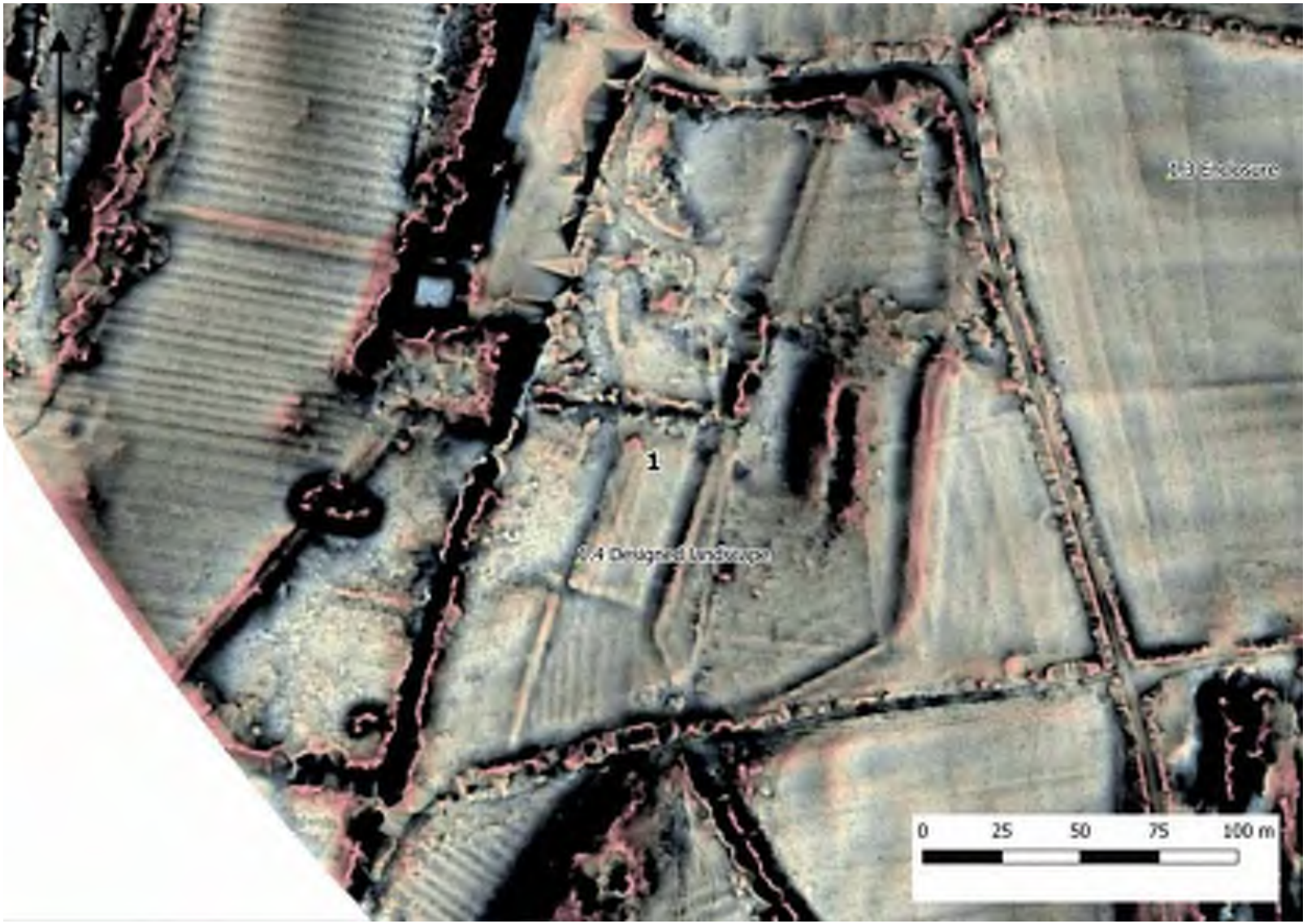
LI010-009. Heavily wooded univallate ringfort, 37 m diameter. Occupies prominent position on a bluff, with the land falling away to the west. Green line denotes boundary of 1km route corridor LRM over SVF image.



Feature 1.1. Probable field system associated with LI010-007. 148 x 85 m. 6-inch series.
Feature 1.2. Possible oval enclosure, 33.9 m NE-SW, 31.4 m NW-SE. No indications on early mapping.

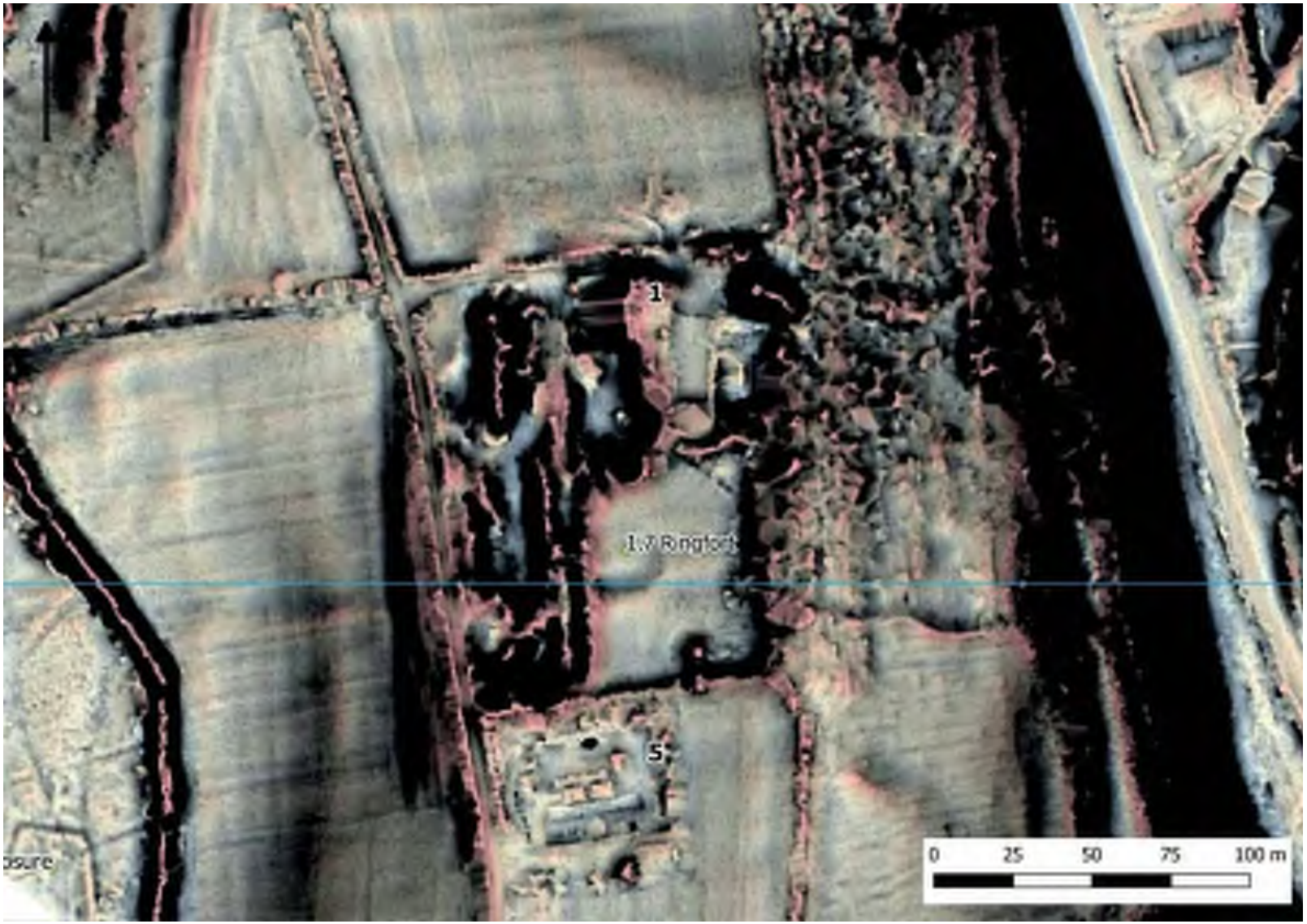
Feature 1.1 Probable field system associated with LI010-007. 148 x 85 m.. 6-inch series.
Feature 1.2. Possible oval enclosure, 33.9 m NE-SW, 31.4 m NW-SE. No indications on early mapping. LRM over SVF image.

Feature 1.3. Very low profile circular enclosure, probable ringfort. 22.4 m diameter. Not visible in AP or 6-inch mapping. LRM over SVF image.



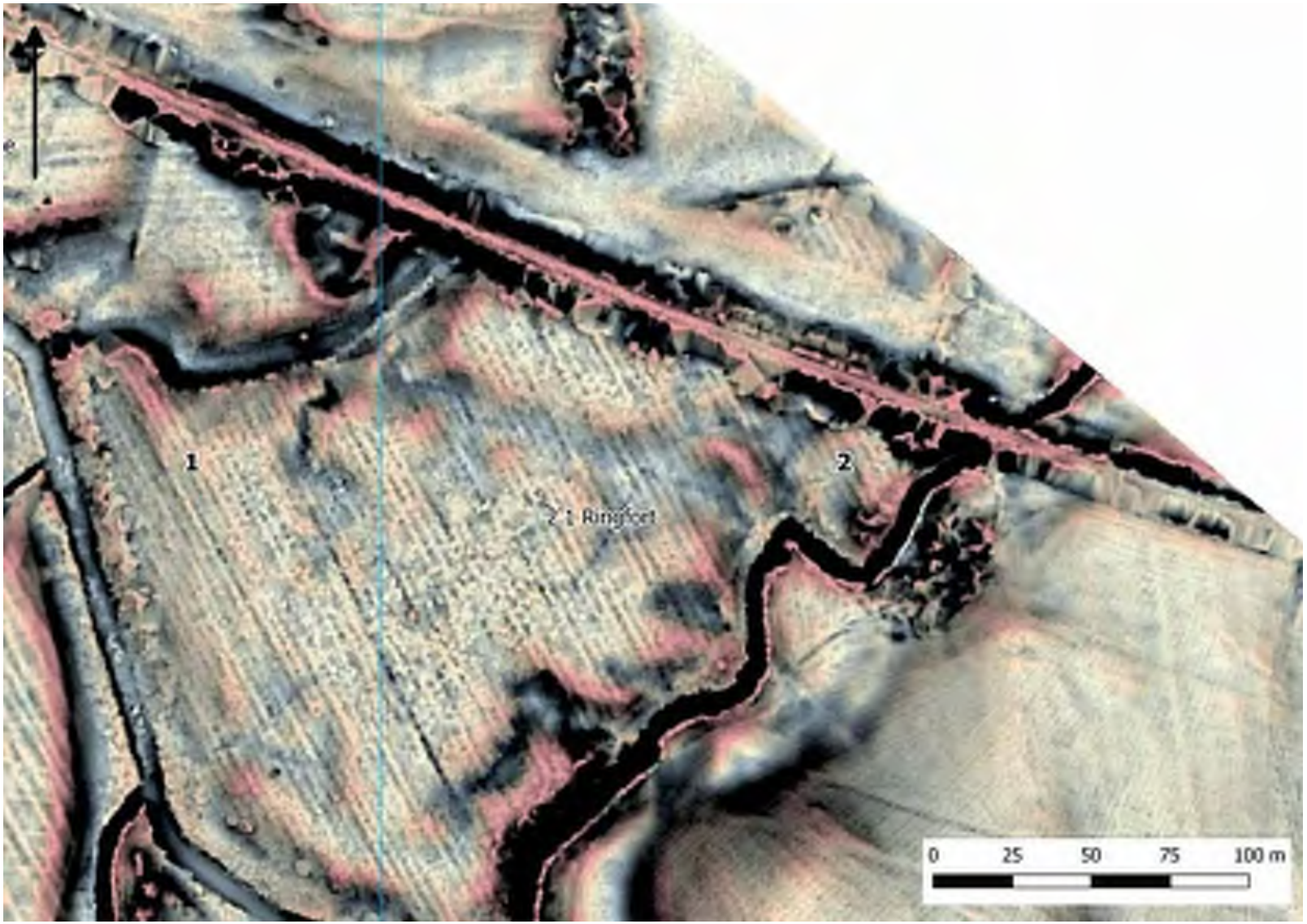
Feature 1.4. Rectangular field and raised linear bank, possibly associated with demesne of Corgrig Castle. 55 x 25 m. LRM over SVF image.

Feature 1.5. Oval raised area, possibly modified natural platform. Truncated to NE by railroad. Dimensions 56.4 x 41.5 m;
Feature 1.6. Long, curving bank, possible forming SW portion of a large enclosure. LRM over SVF image.

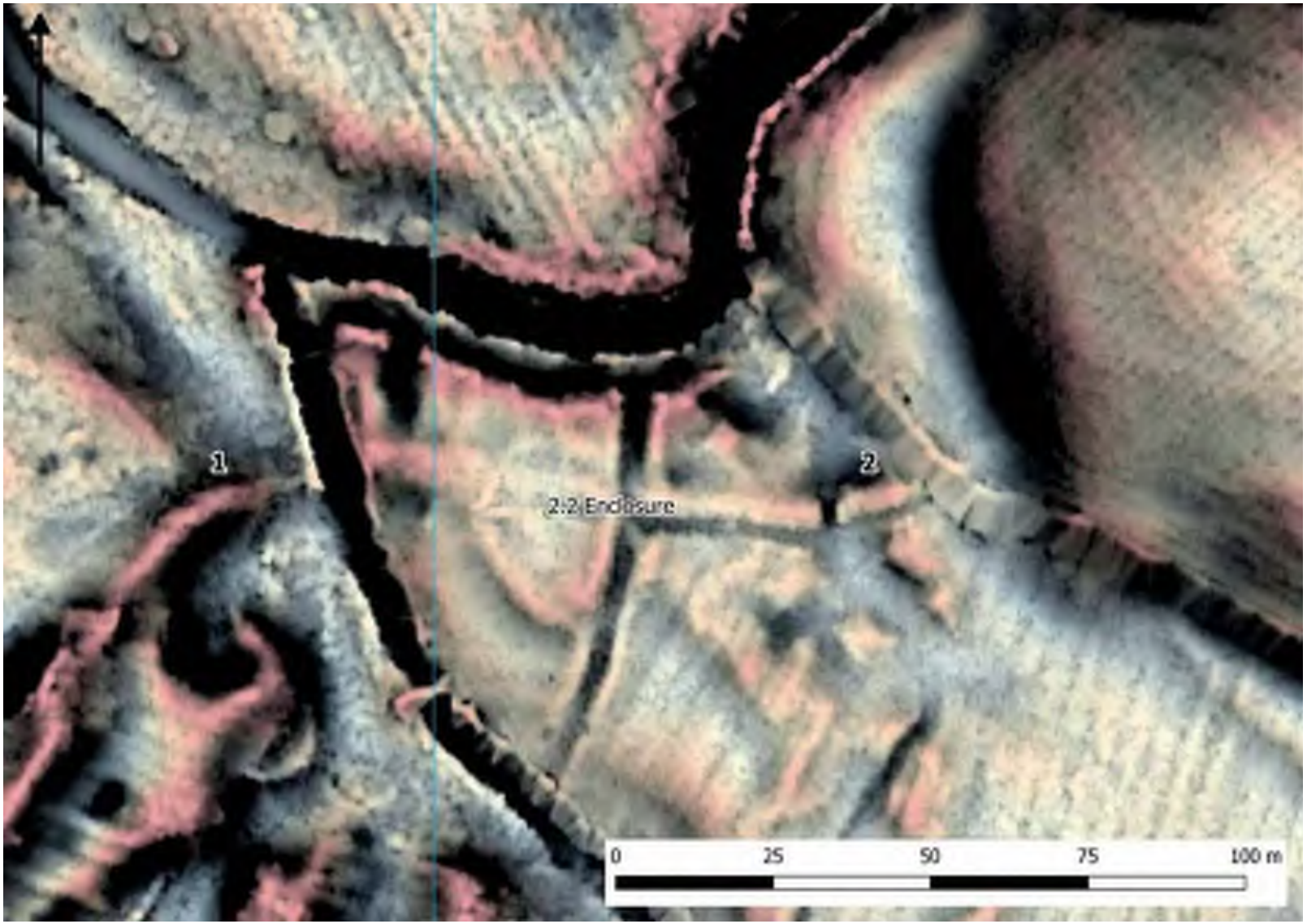


Feature 1.7. Small enclosure, truncated to west by modern farm buildings. 24 m diameter. Probable ringfort. LRM over SVF image.

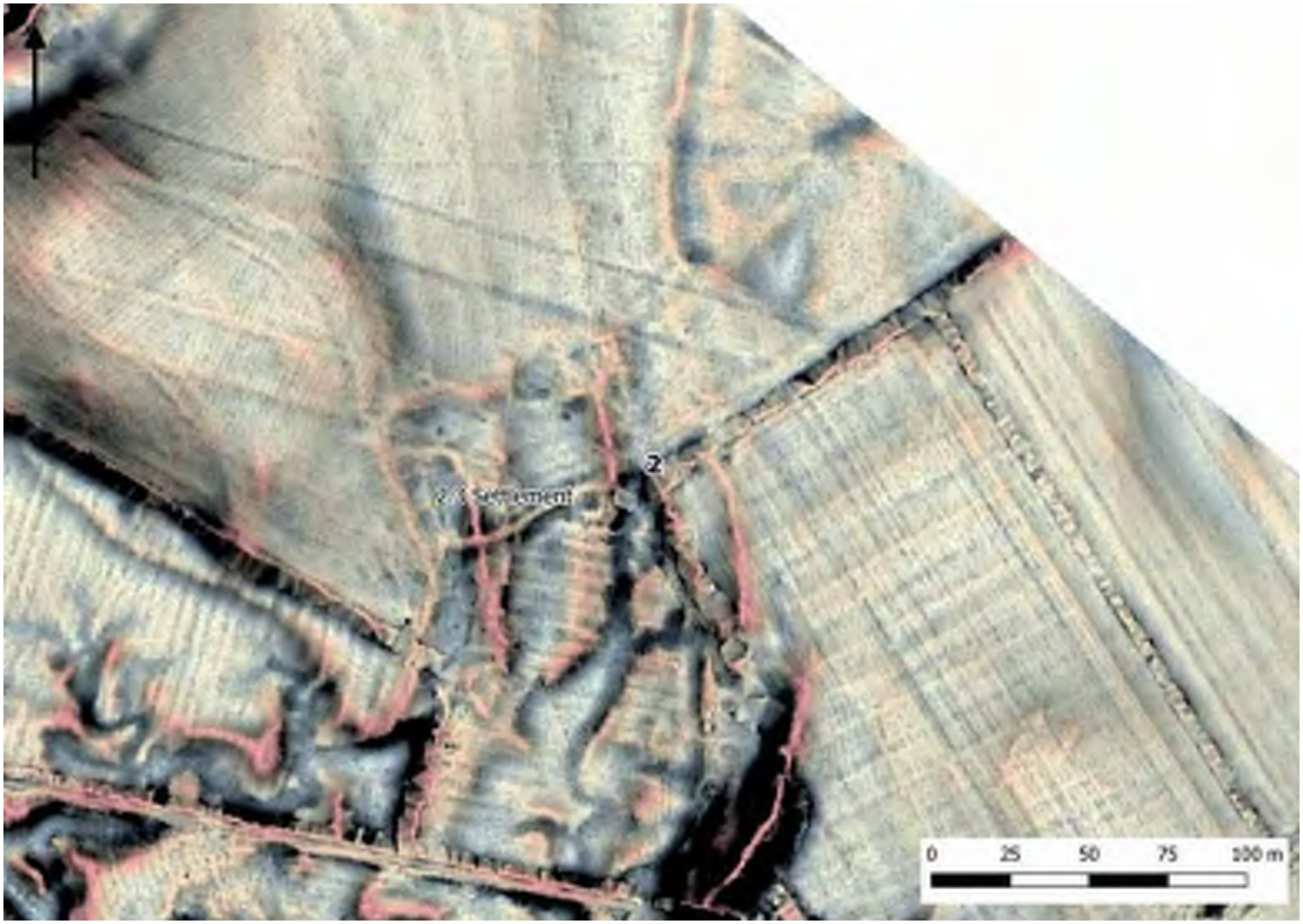
Grid 2



Feature 2.1. Small, univallate ringfort, c. 34 m diameter. LRM over SVF image.

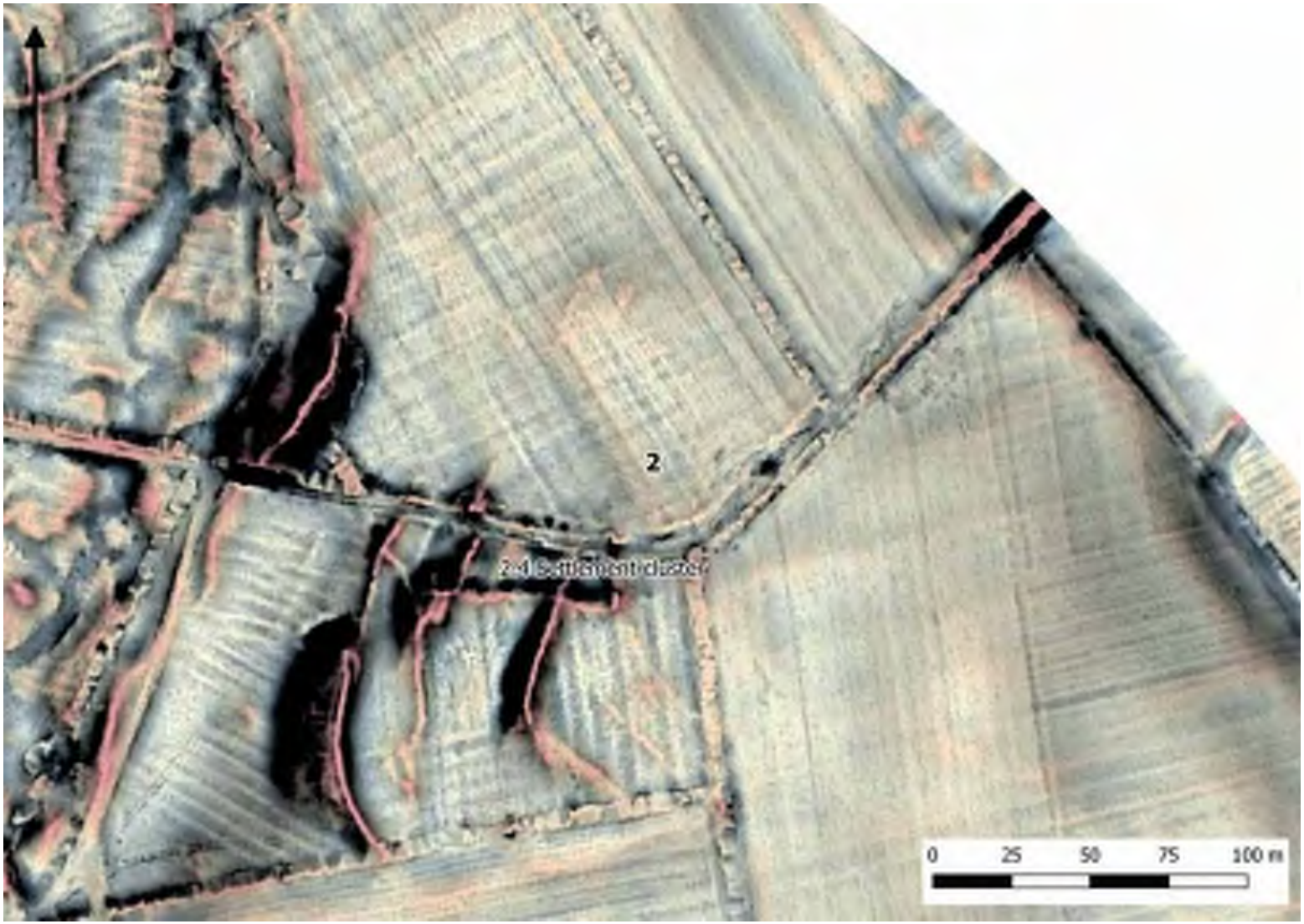


Feature 2.2. Possible ringfort. Oval, dimensions 22 m NE-SW, 29 m NW-SE. LRM over SVF image.



Feature 2.3. Settlement cluster, medieval or post-medieval. Comprising a well-defined rectangular enclosure (possible bawn), 70 m NE-SW, 50 m NW-SE, with a smaller enclosure to the SW, 21 m NE-SW, 29 m NW-SE. Suggestions of hollow-ways connecting site to the NW. LRM over SVF image. See also Fig. 9.

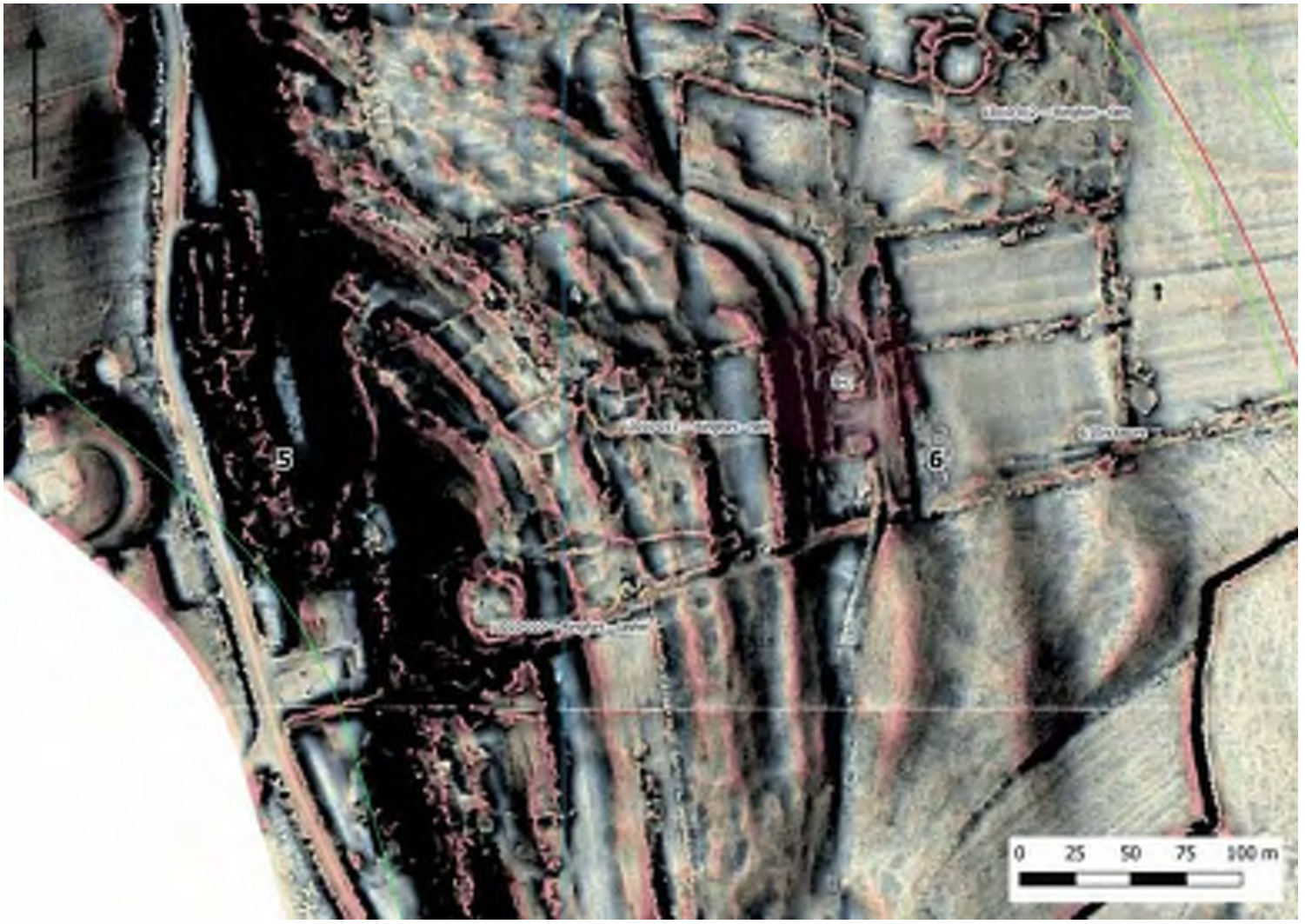
Feature 2.4. Apparent settlement cluster aligned along roadway, comprising three rectangular plots with associated ridge and furrow cultivation.79 x 27 m. Scheme orthophotography.



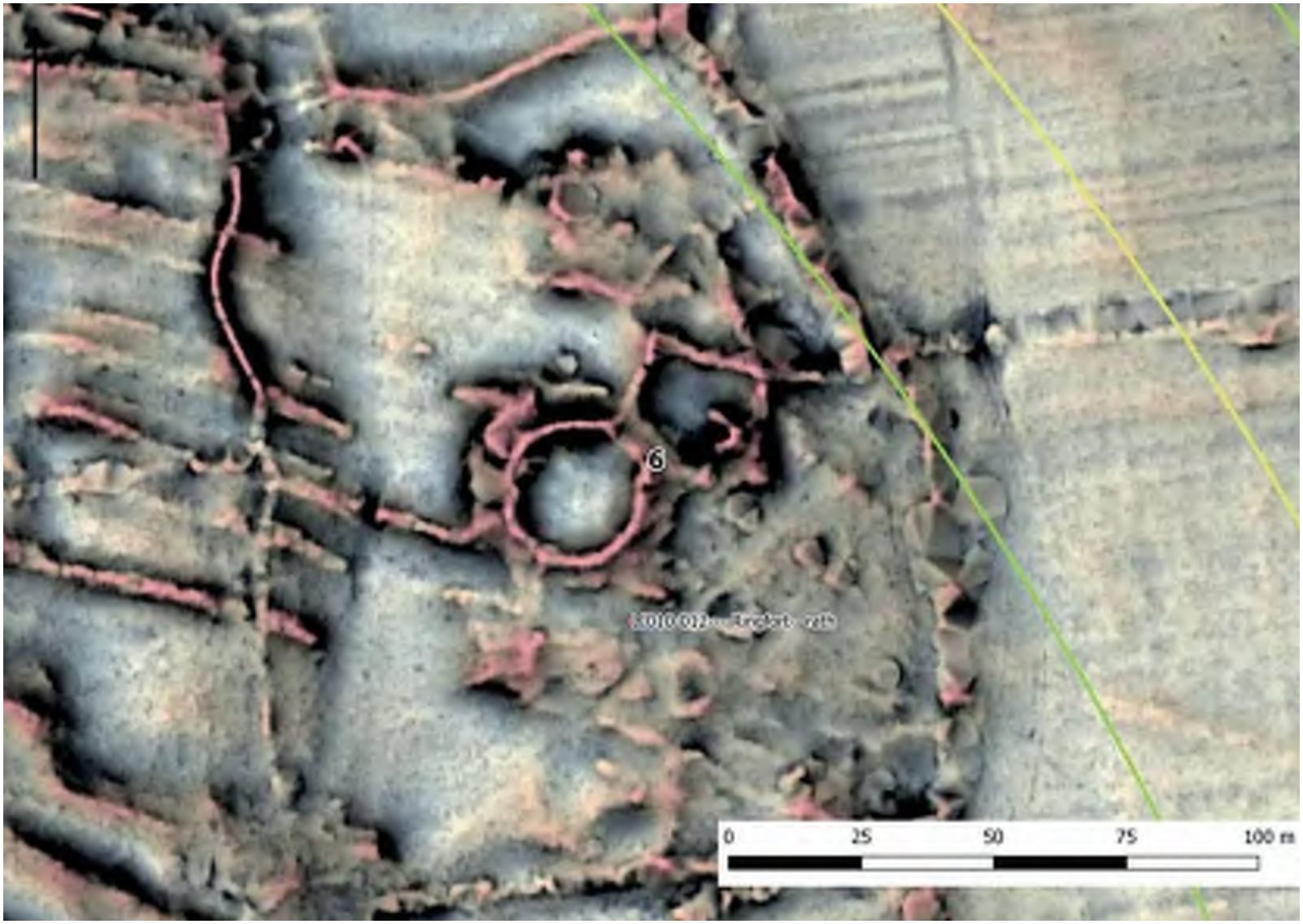
Feature 2.4. Apparent settlement cluster aligned along roadway, comprising three rectangular plots with associated ridge and furrow cultivation.79 x 27 m. LRM over SVF image.

Grid 5

LI010-010. Ringfort, 27.5 x 21 m diameter, under heavy woodland. Possibly bivallate.
LI010-011. Univallate ringfort, 27 m in diameter. Well-preserved with field systems on all sides. Part of potentially an important complex of enclosures covering c. 15 ha. 6 inch series, showing previously identified Built Heritage asset BH1.

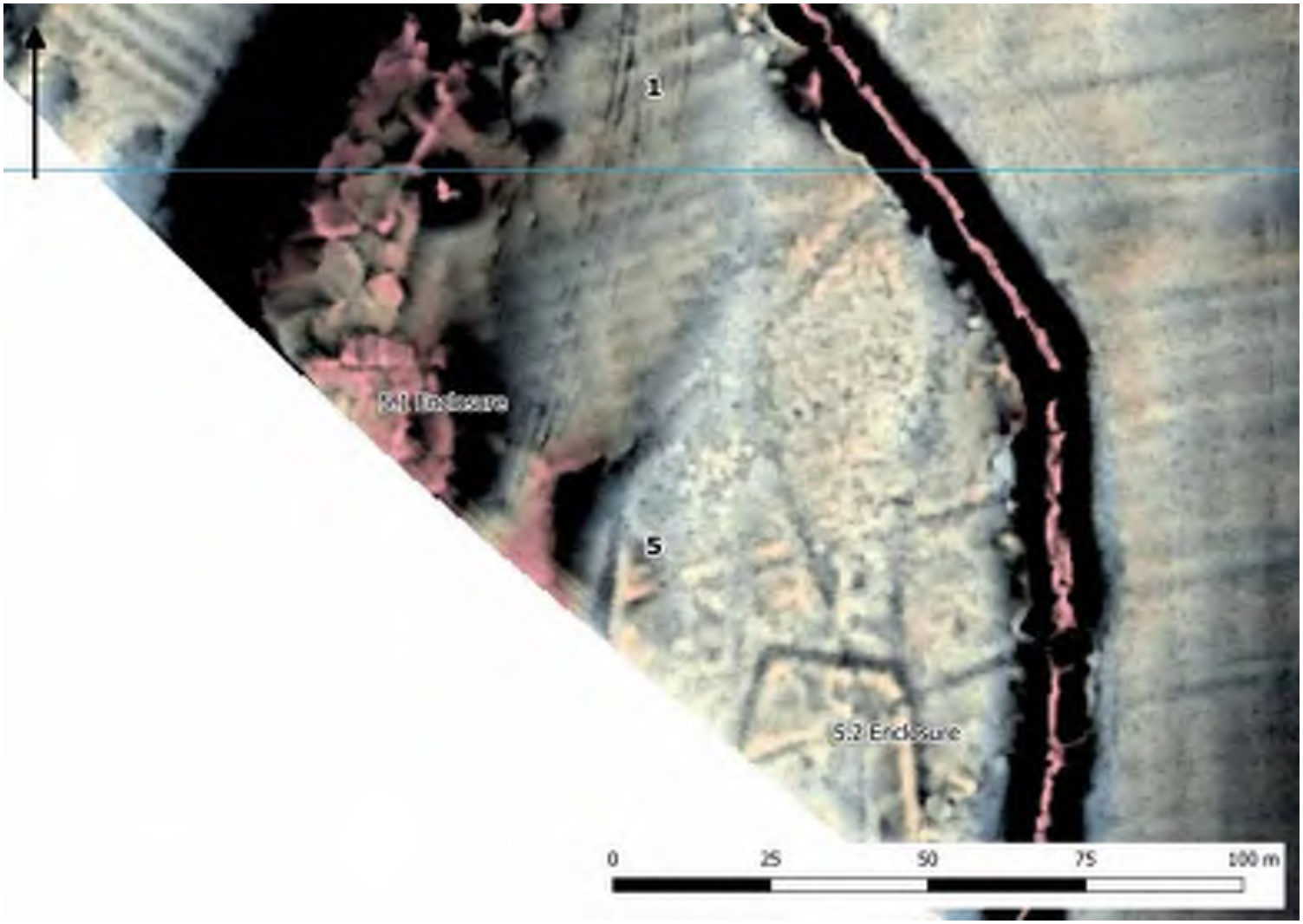


LI010-010. Ringfort, 27.5 x 21 m diameter, under heavy woodland. Possibly bivallate.
LI010-011. Univallate ringfort, 27 m in diameter. Well-preserved with field systems on all sides. Part of potentially an important complex of enclosures. LRM over SVF

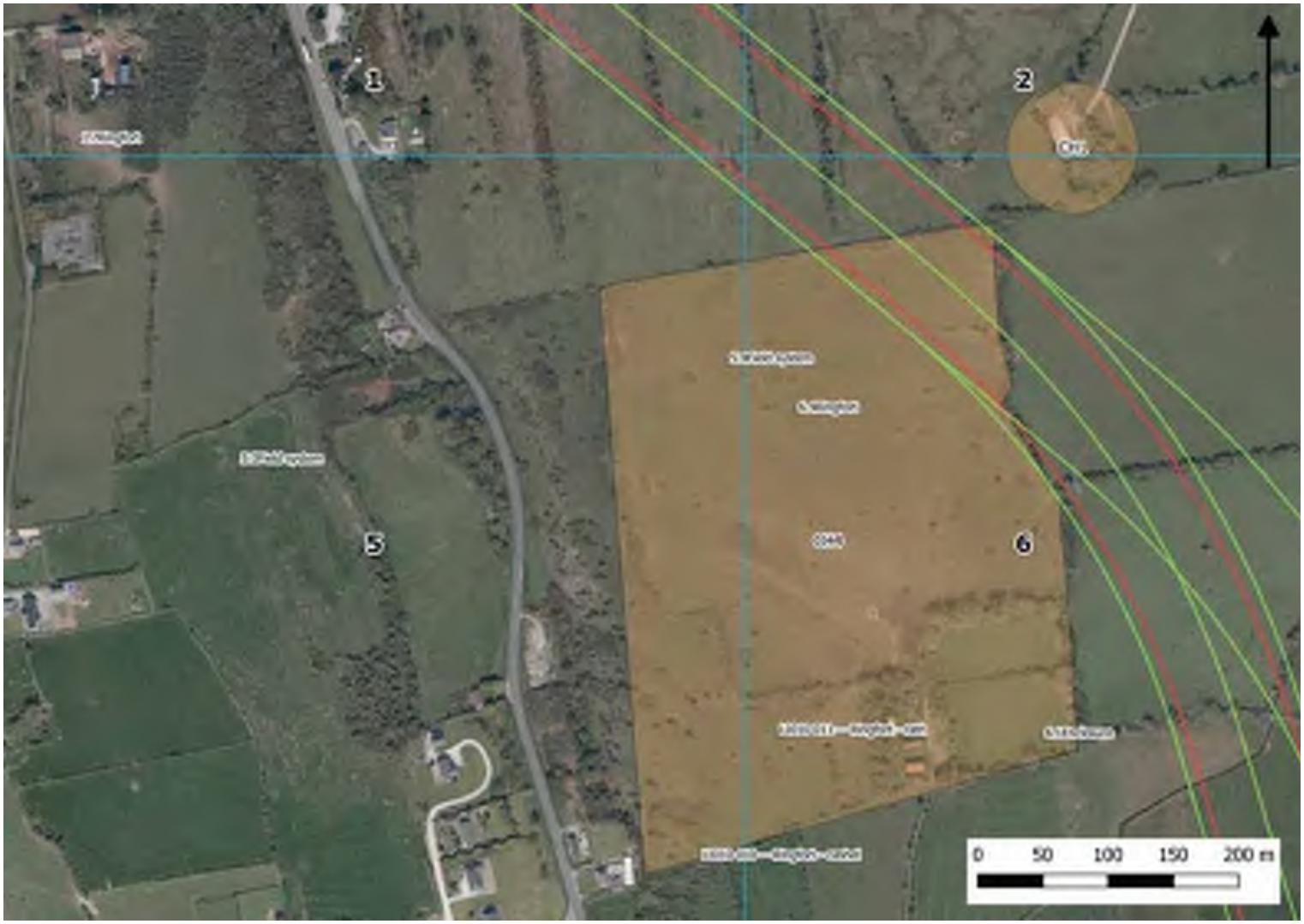


LI010-012. Univallate ringfort, 24 m in diameter. Well-preserved with field systems to NE covering up to 15 ha. RMP places this 13 m south of its actual location. ITM: 526436 650290. LRM over SVF image.

Feature 5.1. Probable ringfort at edge of dataset, 27 m diameter. Visible in AP, possibly a landscape feature;
Feature 5.2. Small trapezoidal ditched enclosure, c. 27 x 29 m. Possible moated site. Scheme orthophotography.

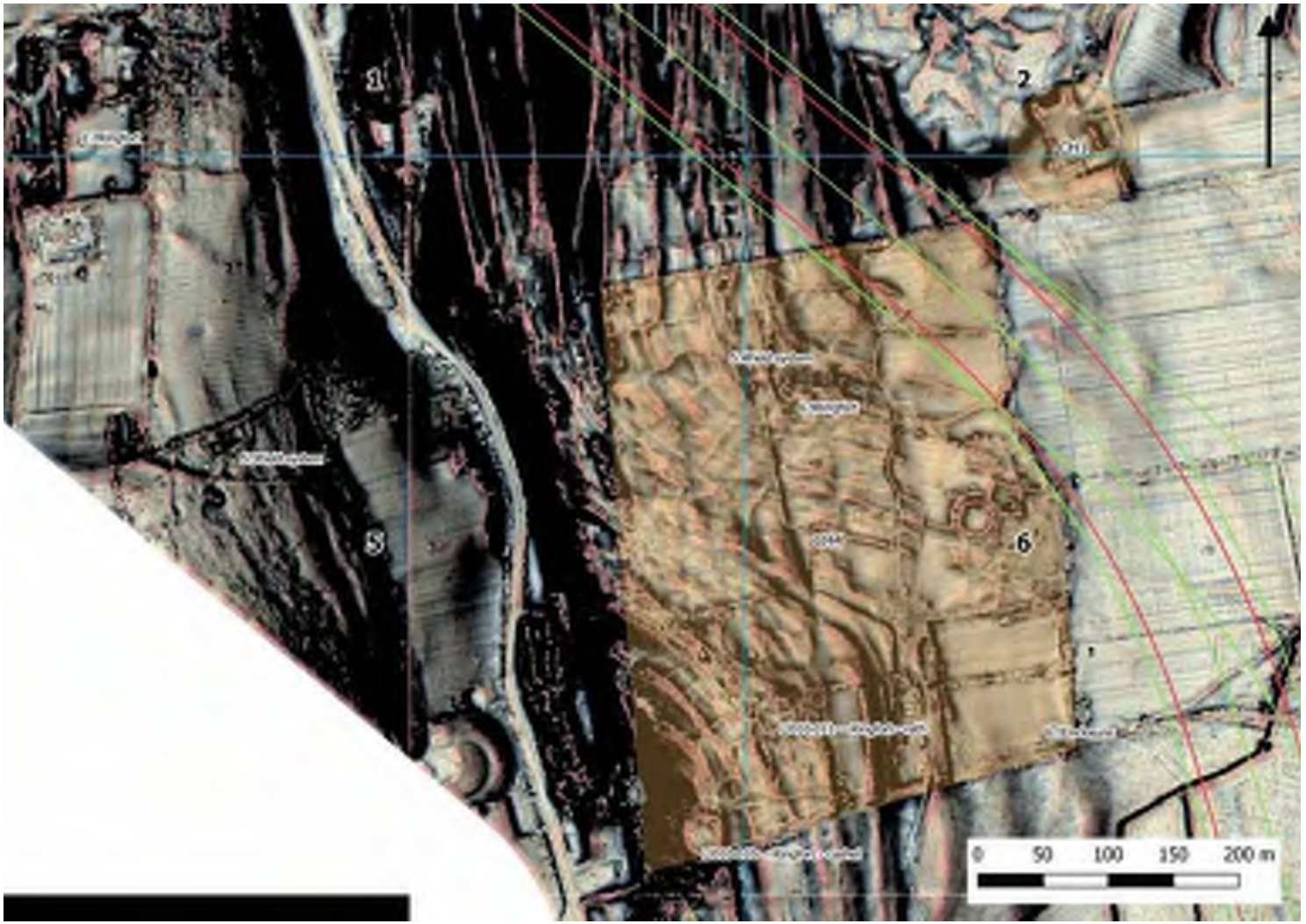


Feature 5.1. Probable ringfort at edge of dataset, 27 m diameter. Visible in AP, possibly a landscape feature;
Feature 5.2. Small trapezoidal ditched enclosure, c. 27 x 29 m. Possible moated site. LRM over SVF image.



Feature 5.3. Field system, defined by multiple walls, some visible in AP.

Feature 5.4. Extensive and potentially significant field system, perhaps associated with LI010-012 and extending as far as LI010-010 and LI010-011. LRM over 16-direction hillshade. Green line to SW denotes border of 1km road corridor. Scheme orthophotography.

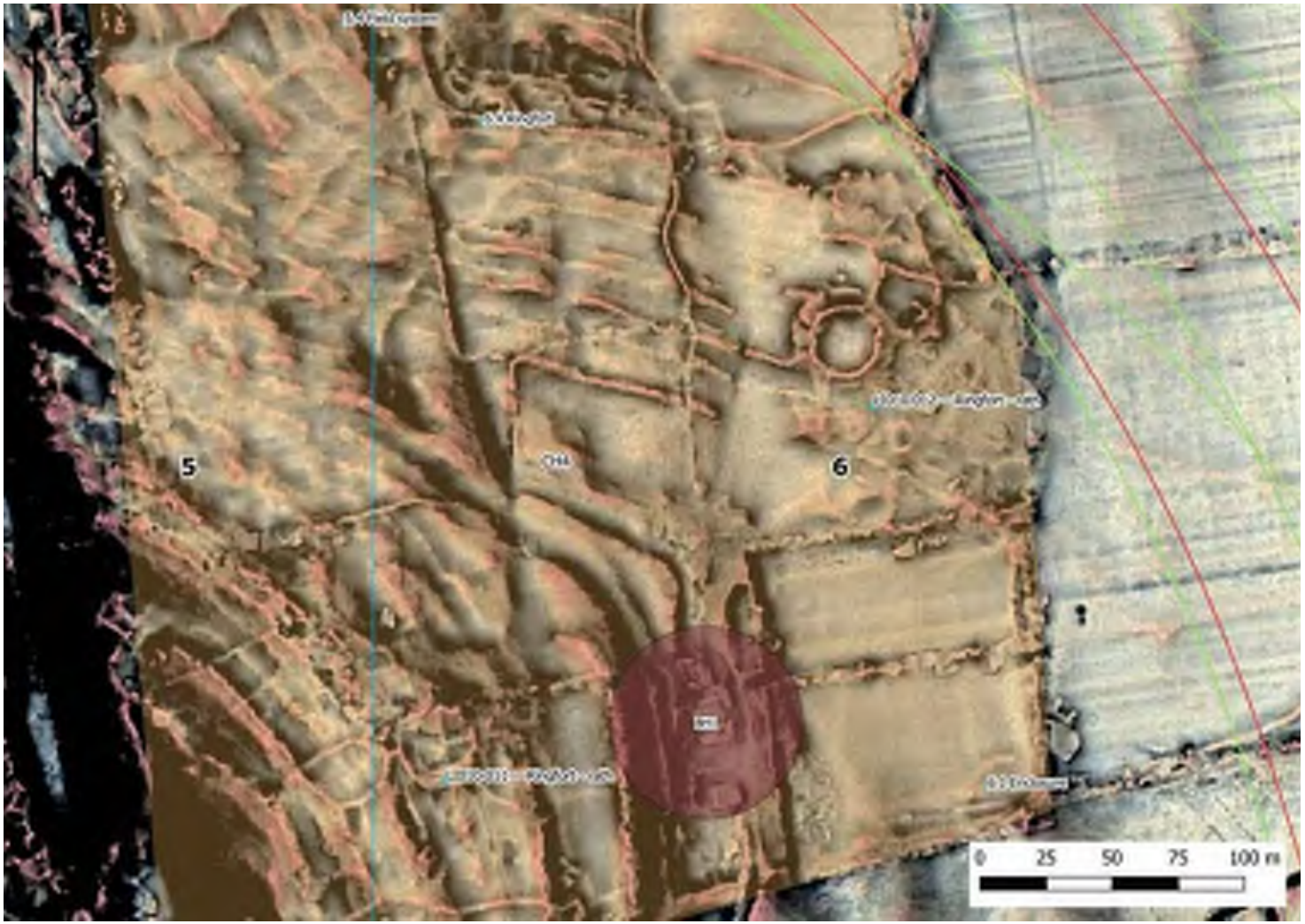


Feature 5.3. Field system, defined by multiple walls, some visible in AP.
Feature 5.4. Extensive and potentially significant field system, perhaps associated with LI010-012 and extending as far as LI010-010 and LI010-011. LRM over 16-direction hillshade. See also Fig. 10.

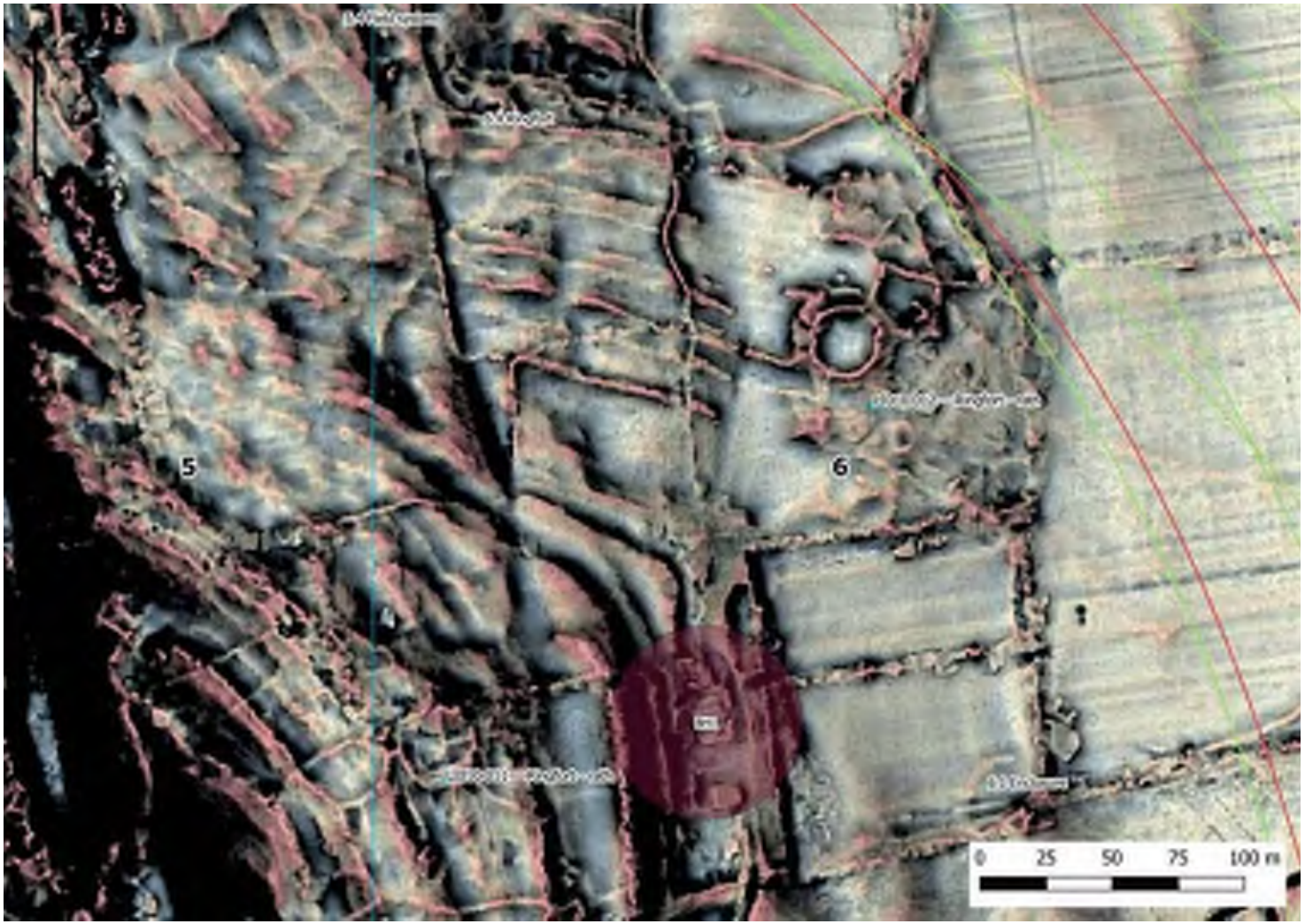
Grid 6

Grid 6, constraint CH5. No trace of above ground features. Scheme orthophotography.

Grid 6, constraint CH5. No trace of above ground features. LRM over SVF.



LI010-010. Ringfort, 27.5 x 21 m diameter, under heavy woodland. Possibly bivallate.
LI010-011. Univallate ringfort, 27 m in diameter. Well-preserved with field systems on all sides. Part of potentially an important complex of enclosures.
LI010-012 (AH1). Univallate ringfort, 24 m in diameter. Well-preserved with field systems to NE. RMP places this 13 m south of its actual location. LRM over SVF image showing previously identified CH asset CH4 and BH1.

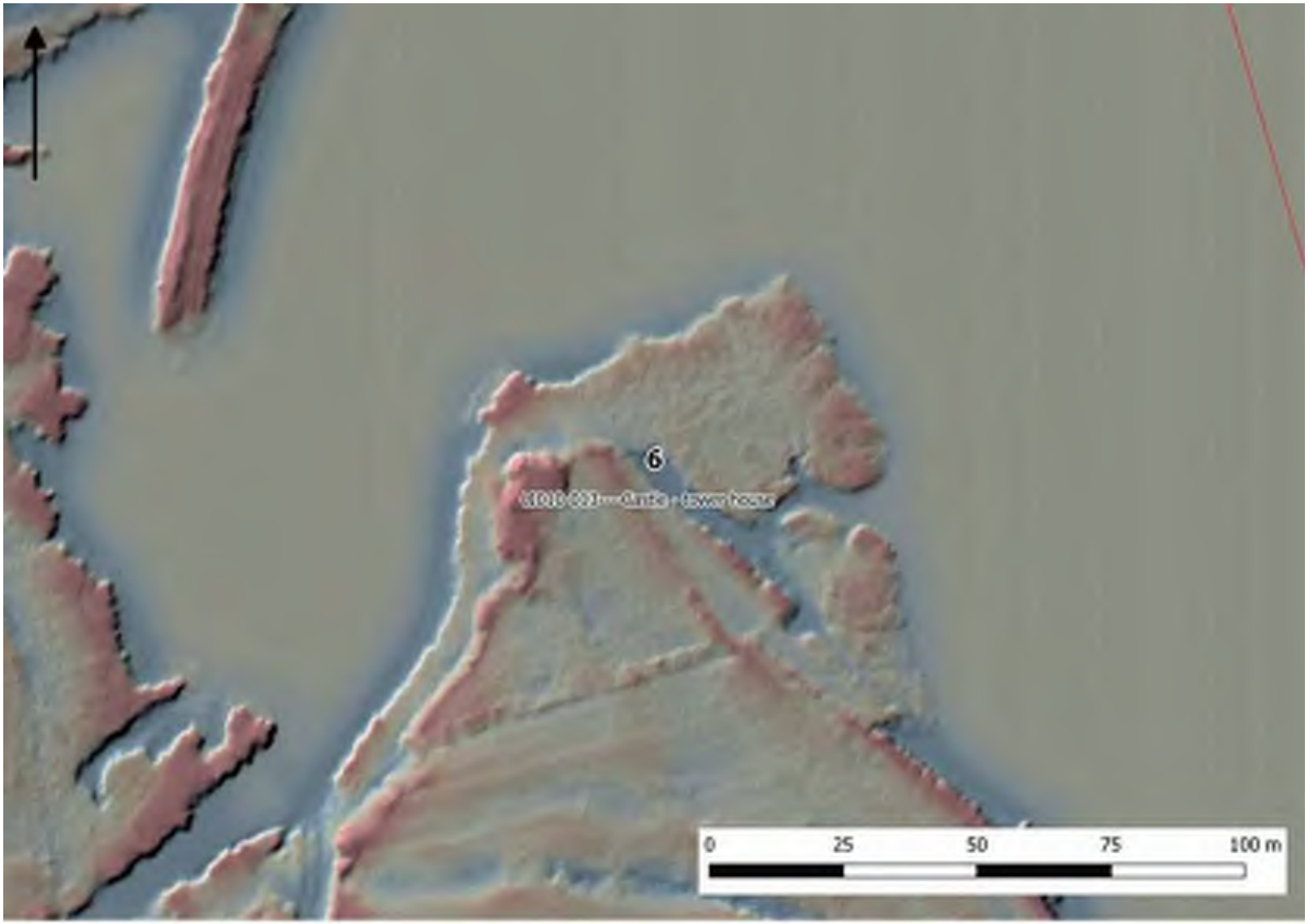


LI010-010. Ringfort, 27.5 x 21 m diameter, under heavy woodland. Possibly bivallate.
LI010-011. Univallate ringfort, 27 m in diameter. Well-preserved with field systems on all sides. Part of potentially an important complex of enclosures.
LI010-012 (AH1). Univallate ringfort, 24 m in diameter. Well-preserved with field systems to NE. RMP places this 13 m south of its actual location. LRM over SVF image showing previously identified BH1.

LI010-012 (AH1). Univallate ringfort, 24 m in diameter. Well-preserved with field systems to NE. RMP places this 13 m south of its actual location. LRM over SVF image.

LI010-013. Robertstown Castle. Very little visible in lidar or APs.

LI010-013. Robertstown Castle. Very little visible in lidar or APs. Scheme orthophotography.



LI010-013. Robertstown Castle. Very little visible in lidar or APs. LRM over 16-direction hillshade.

LI10-066. Modern house at this location. No visible trace remains of monument. LRM over SVF image

LI10-066. Modern house at this location. No visible trace remains of monument. Scheme orthophotography..

LI010-068 (AH3). Modern house at this location. No visible trace remains of monument. 6-inch mapping.

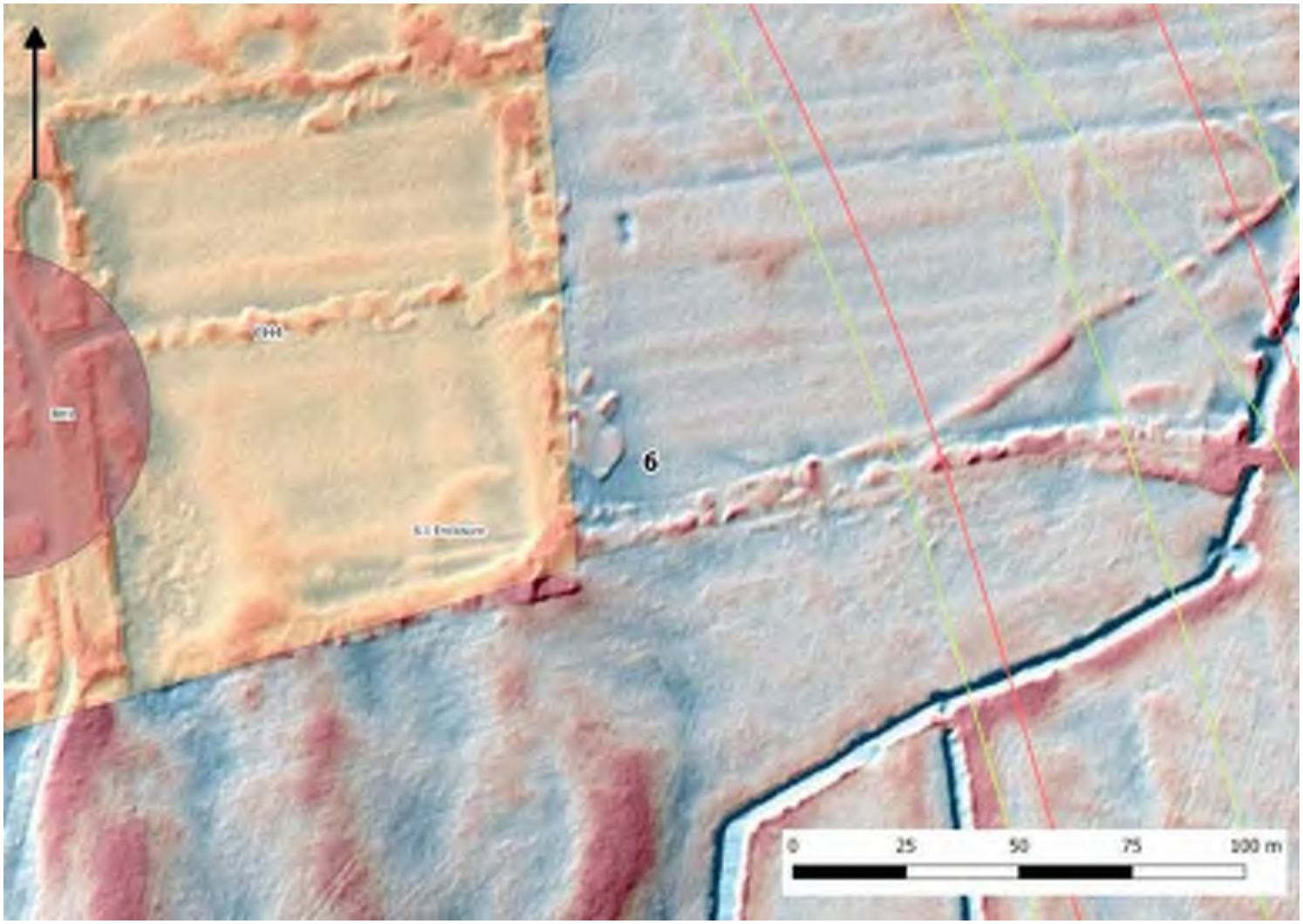
LI010-068 (AH3). Modern house at this location. No visible trace remains of monument. Scheme orthophotography.

LI010-069001 (AH121). Within LI010-069002. Little of note visible beyond modern graveyard use. Scheme orthophotography.
LI010-069002 (AH121). Walled graveyard within sub-rectangular enclosure 54 x 47 m. Hollow-way access route visible to NW. Previously identified as BH41

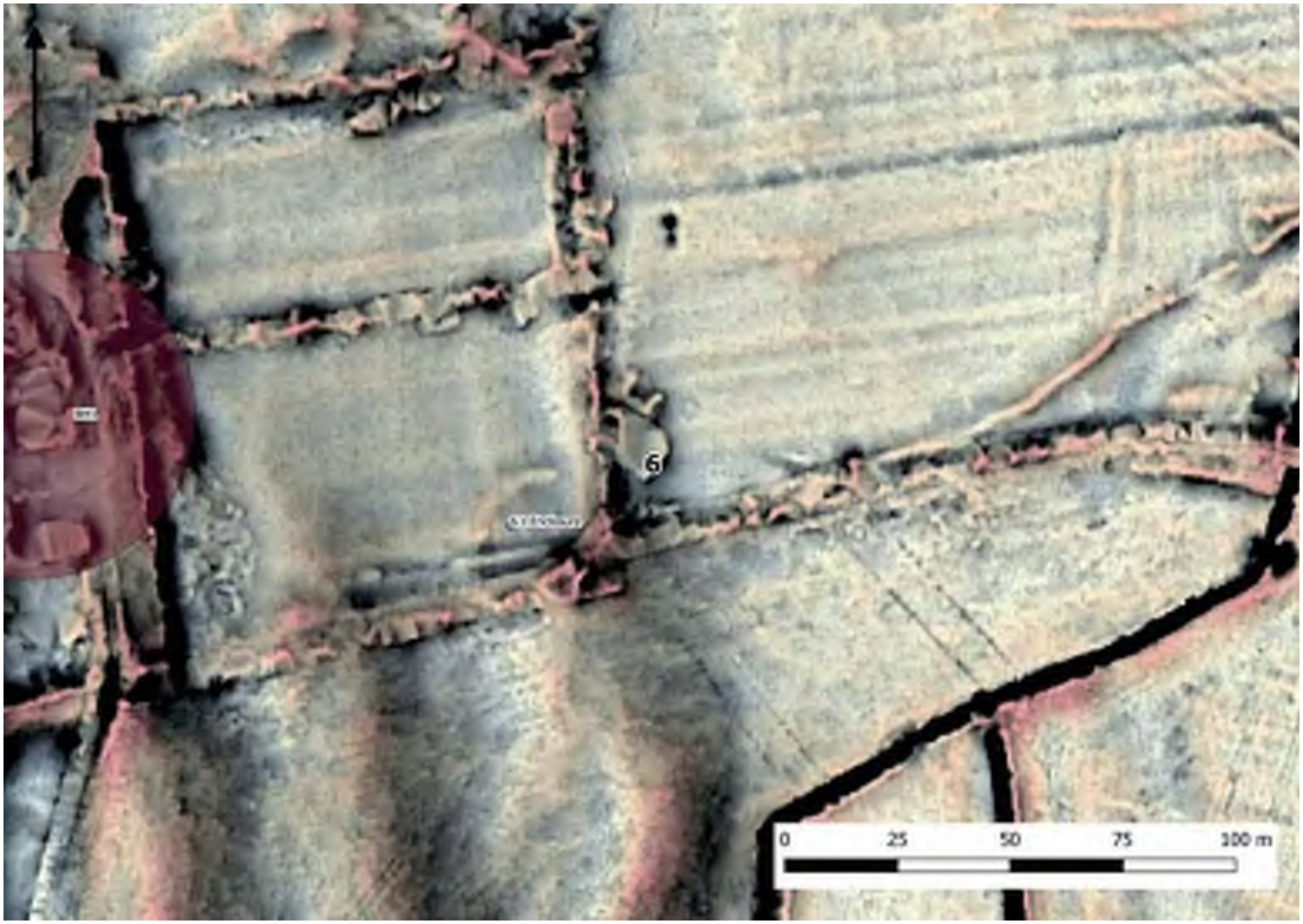
LI010-069001 (AH121). Within LI010-069002. Little of note visible beyond modern graveyard use.
LI010-069002 (AH121). Walled graveyard within sub-rectangular enclosure 54 x 47 m. Hollow-way access route visible to NW. LRM over SVF image. Previously identified as BH41

LI010-144 (AH4). Ringfort in pasture, with associated field system to north and possibly SW. 34 m diameter. Possible rectangular building within southern enclosure and conjoined enclosure to north, 24 m diameter. Located to SW of RMP location at ITM 527041 649784. Scheme orthophotography.

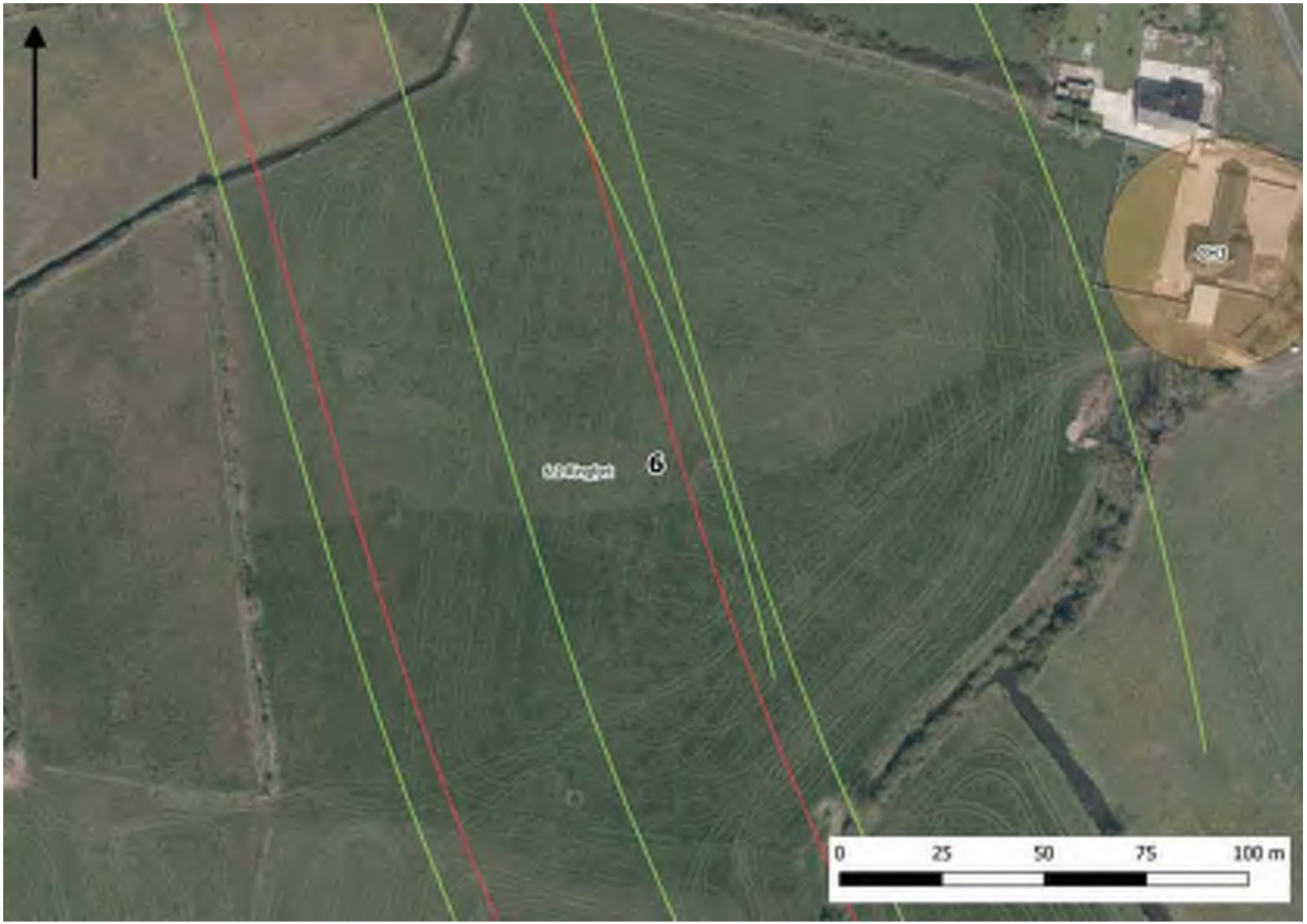
LI010-144 (AH4). Ringfort in pasture, with associated field system to north and possibly SW. 34 m diameter. Possible rectangular building within southern enclosure and conjoined enclosure to north, 24 m diameter. Located to SW of RMP location at ITM 527041 649784.LRM over SVF image.



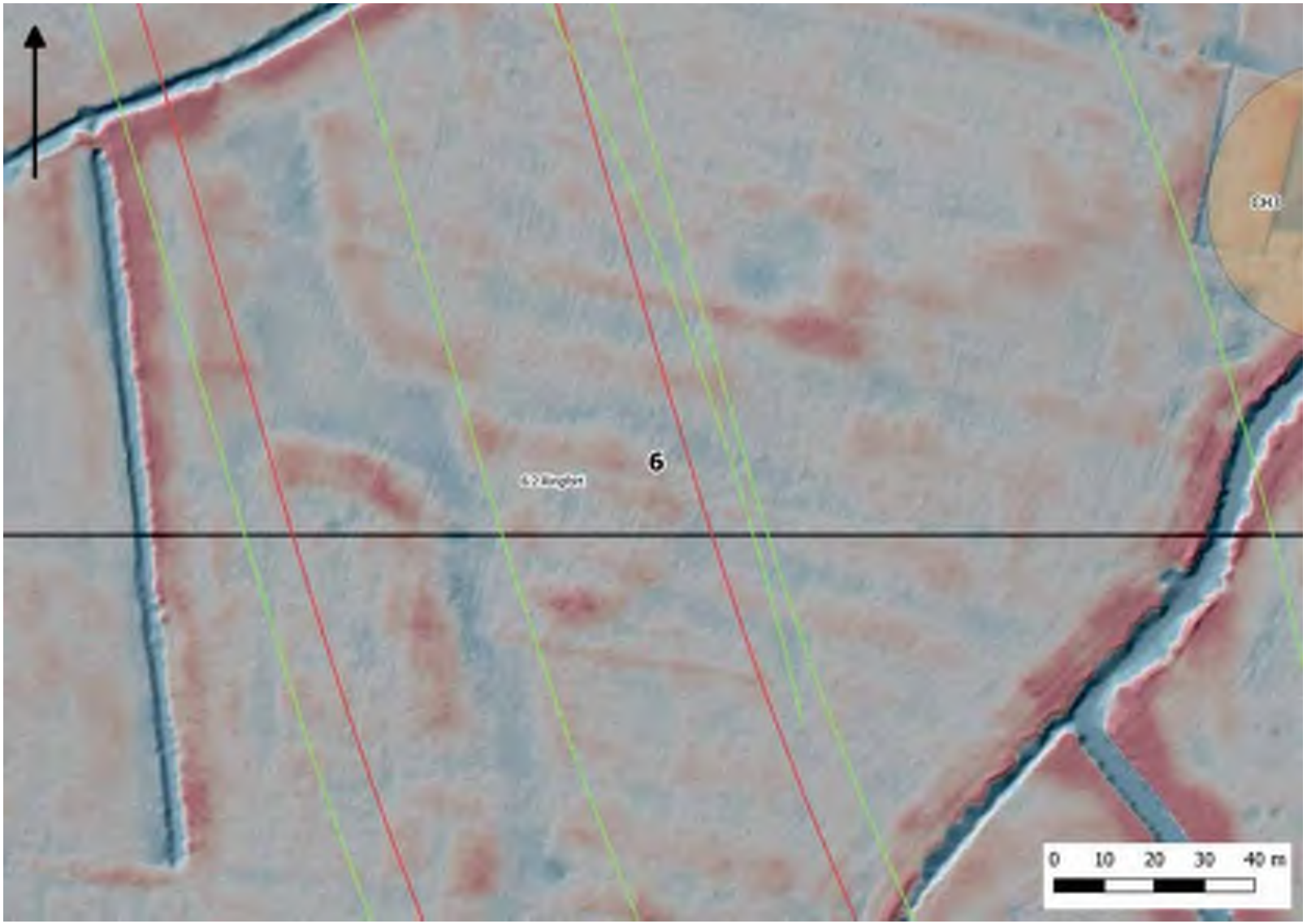
Feature 6.1. Possible ringfort, NW portion only. Defined by curving bank, describing an oval, 30 m along its long axis, showing previously identified assets CH4 and BH1. LRM over 16-direction hillshade



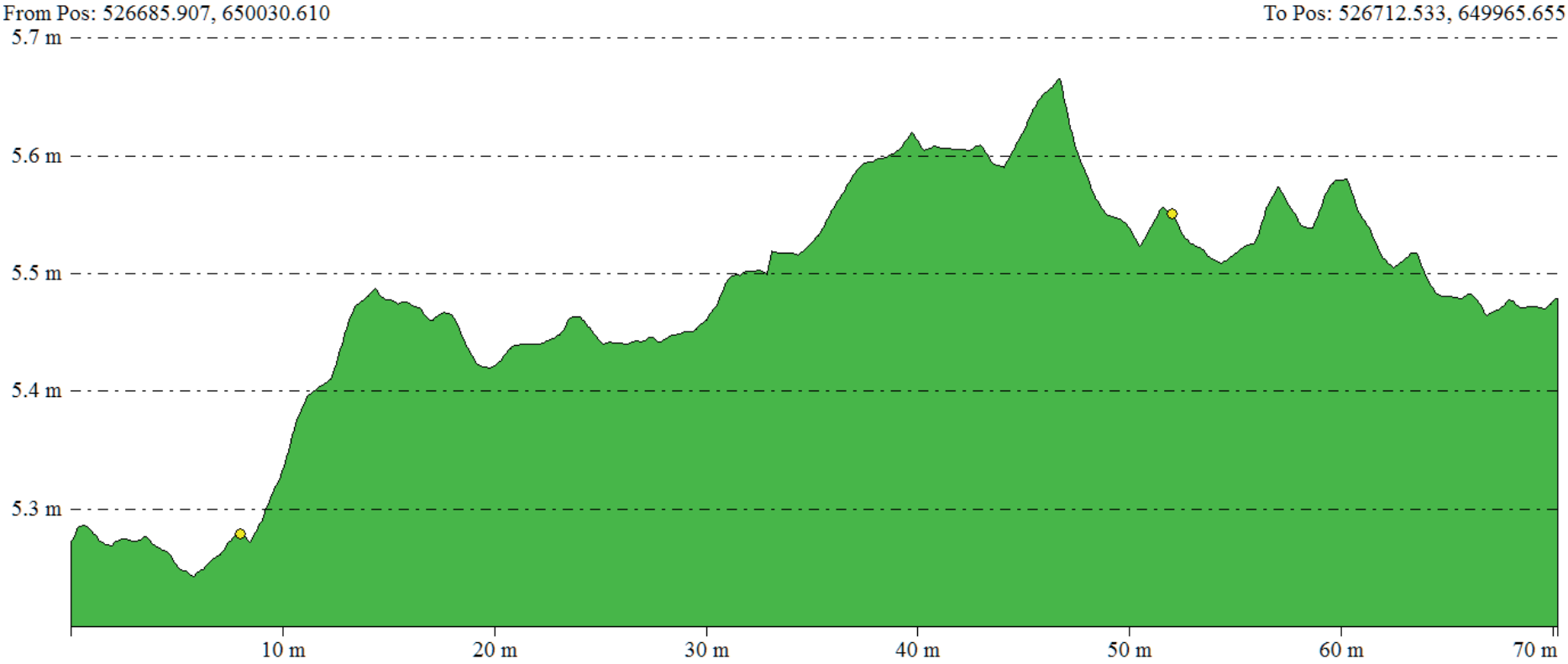
Feature 6.1. Possible ringfort, NW portion only. Defined by curving bank, describing an oval, 30 m along its long axis. LRM over 16-direction hillshade



Feature 6.2. Low profile ringfort, apparently truncated to west, probably by field boundary evident in 6-inch mapping. Diameter c. 35.4 m. Scheme orthophotography.



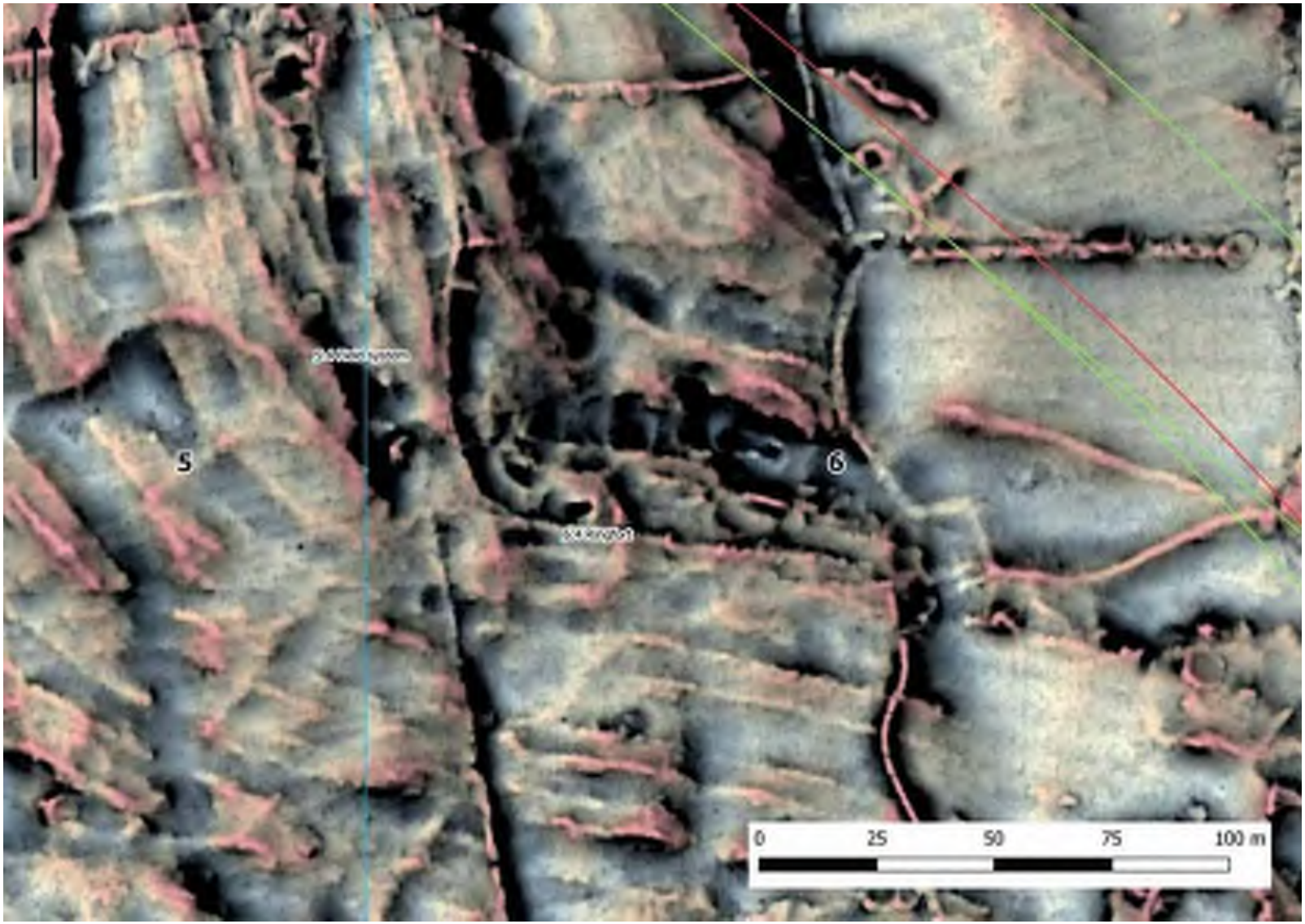
Feature 6.2. Low profile ringfort, apparently truncated to west, probably by field boundary evident in 6-inch mapping. Diameter c. 35.4 m. LRM over 16-direction hillshade.



Feature 6.2. NW-SE profile.

Feature 6.3. Probable bowl barrow, 40.2 m diameter, surrounded by broad fosse. Overbuilt by rectangular structure, possibly a church (townland name is Churchfield). Scheme orthophotography.

Feature 6.3. Probable bowl barrow, 40.2 m diameter, surrounded by broad fosse. Overbuilt by rectangular structure, possibly a church (townland name is Churchfield). LRM over SVF.

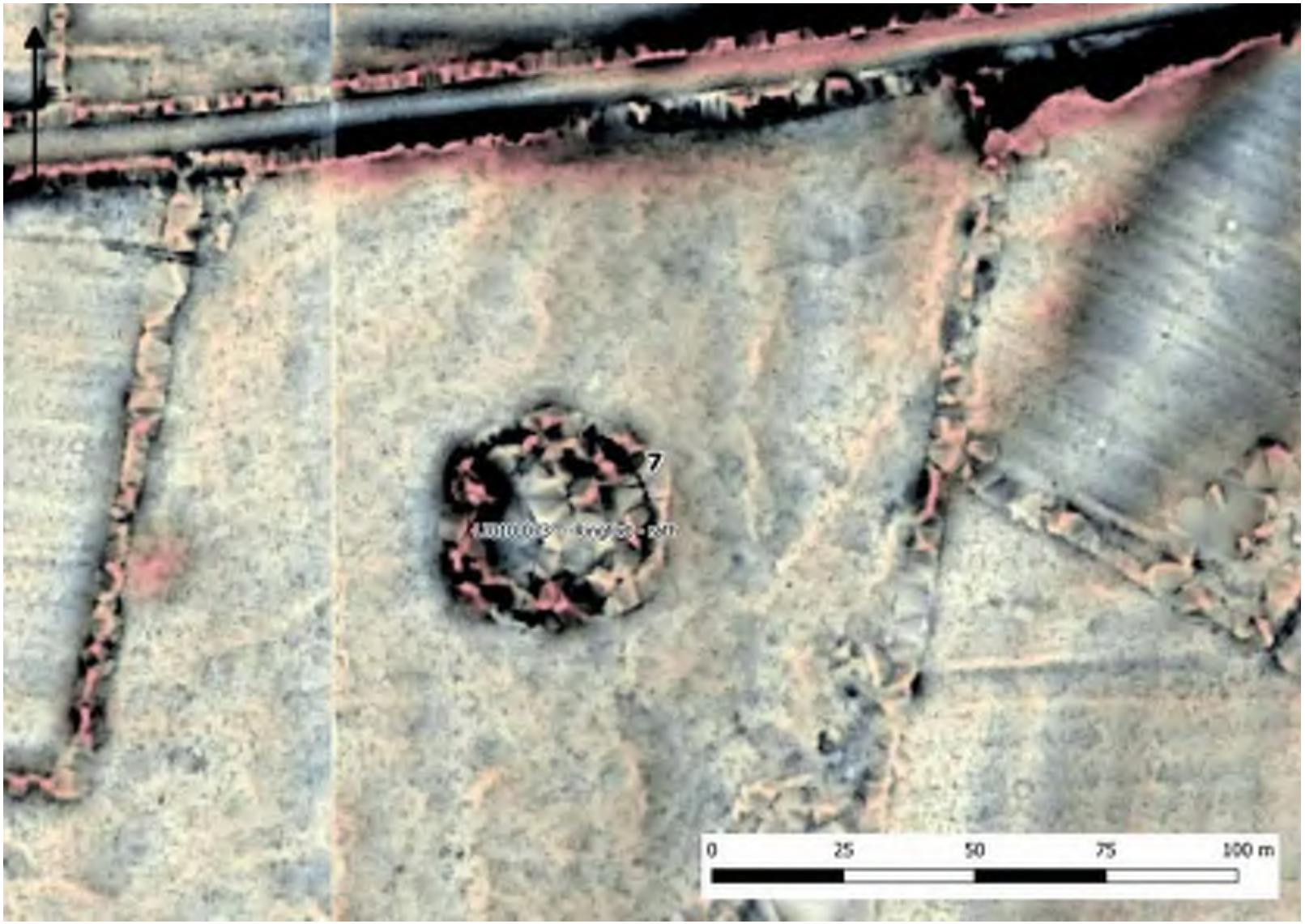


Feature 6.4. Small ringfort, 27 m diameter, within field system 5.4

Grid 7

LI010-071 (AH6). Burial ground. Disturbed by cattle feeders and no obvious trace in elevation data.

LI010-073 (AH11). Ringfort, possibly bivallate, under heavy woodland. 29.8 m diameter. Scheme orthophotography.



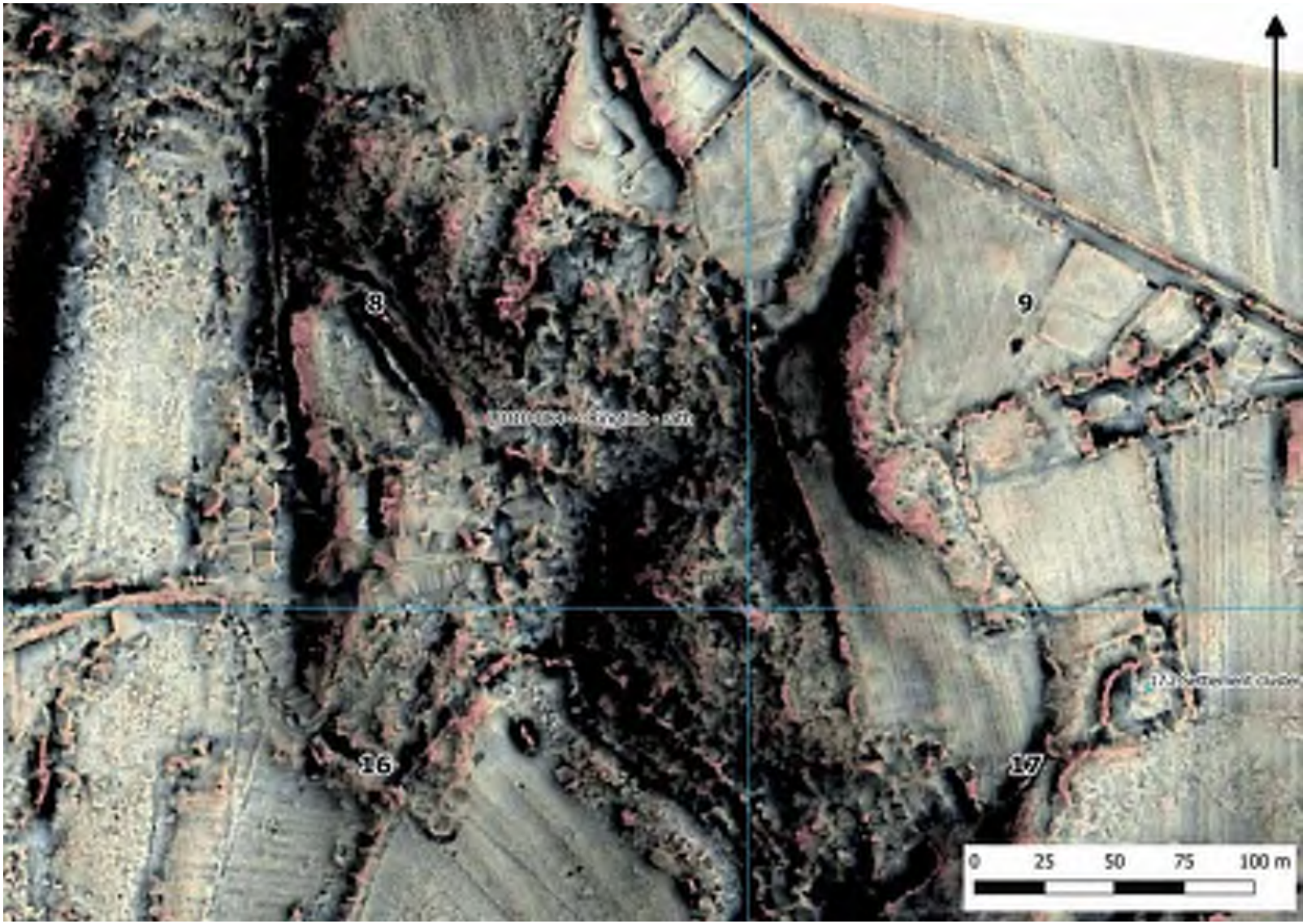
LI010-073 (AH11). Ringfort, possibly bivallate, under heavy woodland. 29.8 m diameter. LRM over SVF image.

Grid 8

LI010-079. Modern house at this location. No visible trace remains of monument. 6 inch mapping.

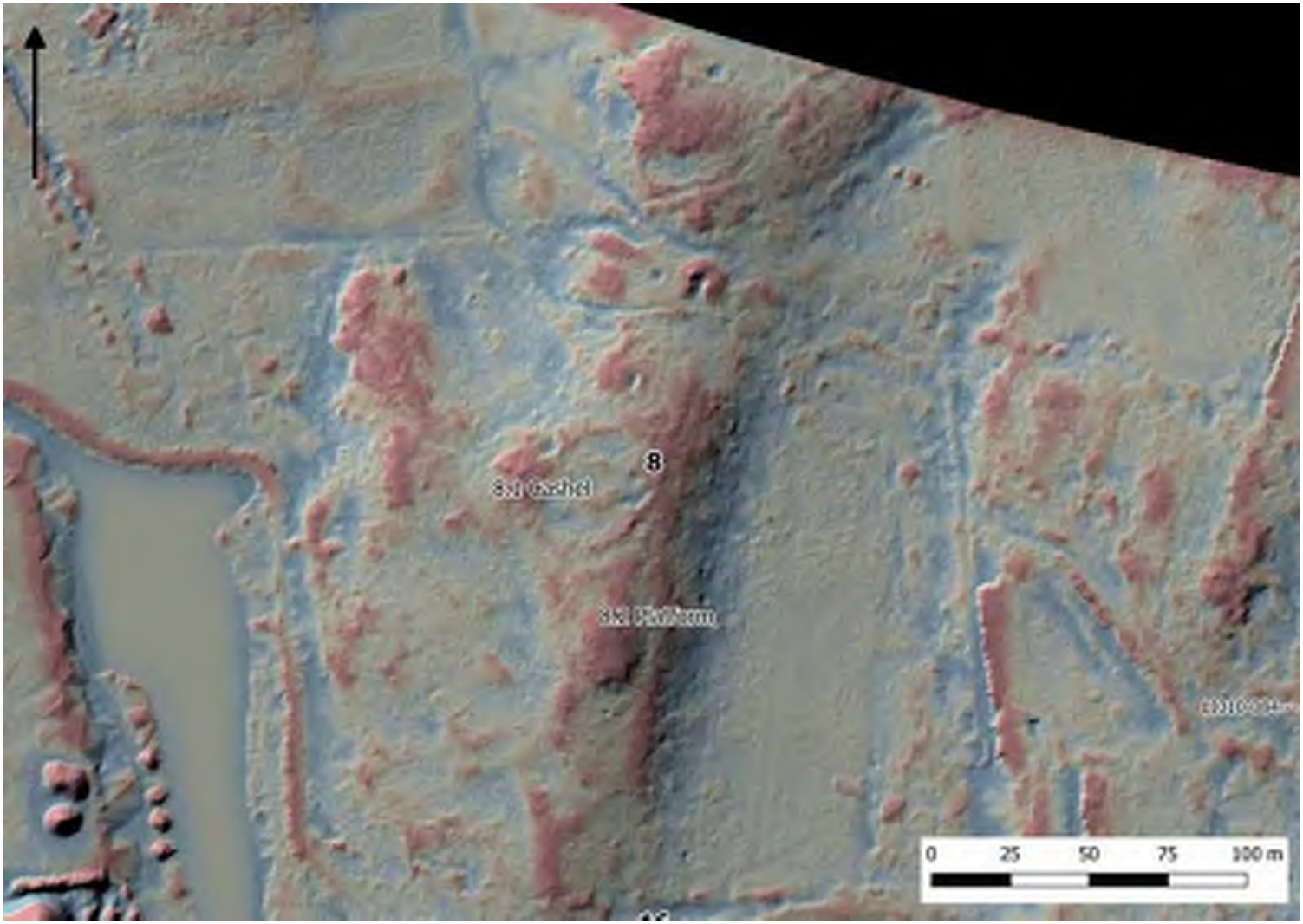
LI010-079. Modern house at this location. No visible trace remains of monument. Scheme orthophotography.

LI010-084. Under heavy woodland, but no obvious trace remains. Requires ground survey to check. Scheme orthophotography.



LI010-084. Under heavy woodland, but no obvious trace remains. Requires ground survey to check. LRM over SVF image.

Feature 8.1. Cashel or ringfort, within heavy forestry, c. 44.6 x 31.7 m diameter.
Feature 8.2. Apparent rectangular platform in heavy forestry. 18 m N-S, 9 m E-W. Possibly building associated with Craggs House Demesne. Scheme orthophotography.



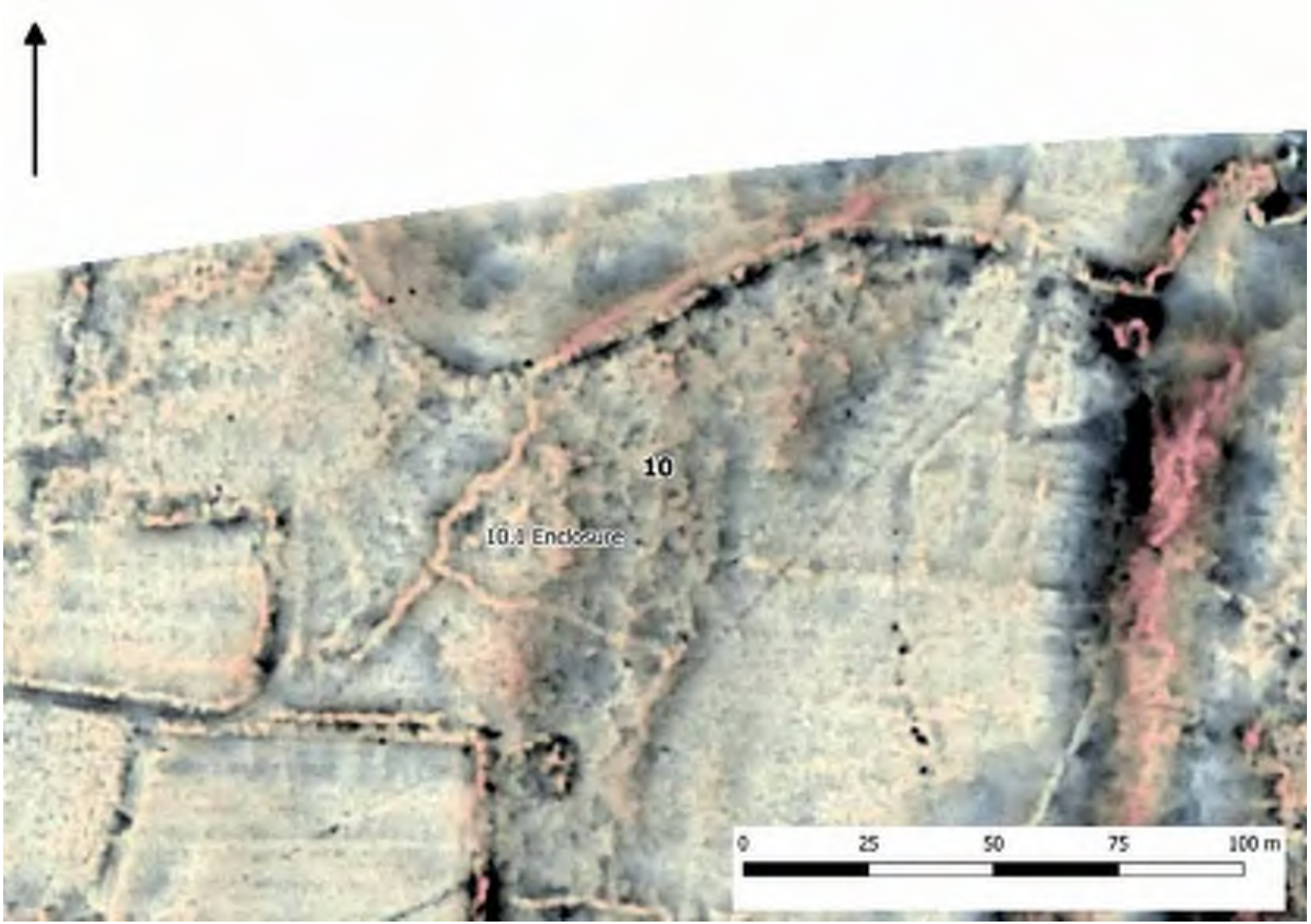
Feature 8.1. Cashel or ringfort, within heavy forestry, c. 44.6 x 31.7 m diameter.
Feature 8.2. Apparent rectangular platform in heavy forestry. 18 m N-S, 9 m E-W. Possibly building associated with Craggs House Demesne. LRM over 16-direction hillshade.

Feature 8.3. Low profile subcircular enclosure, 31 x 23 m.

Grid 9

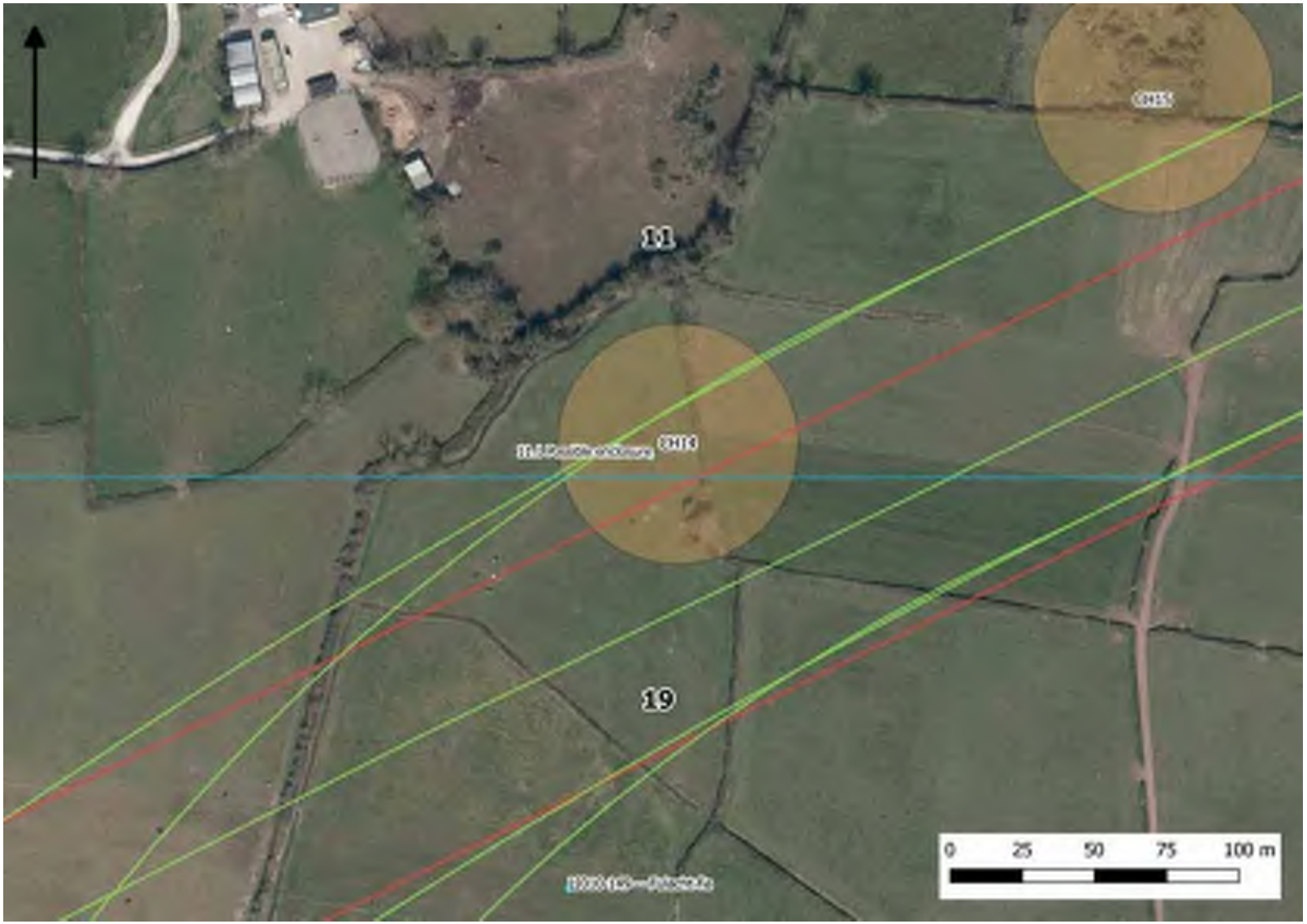
Feature 9.1. Small mound in otherwise flat field. 8 m diameter. LRM over SVF image.

Grid 10

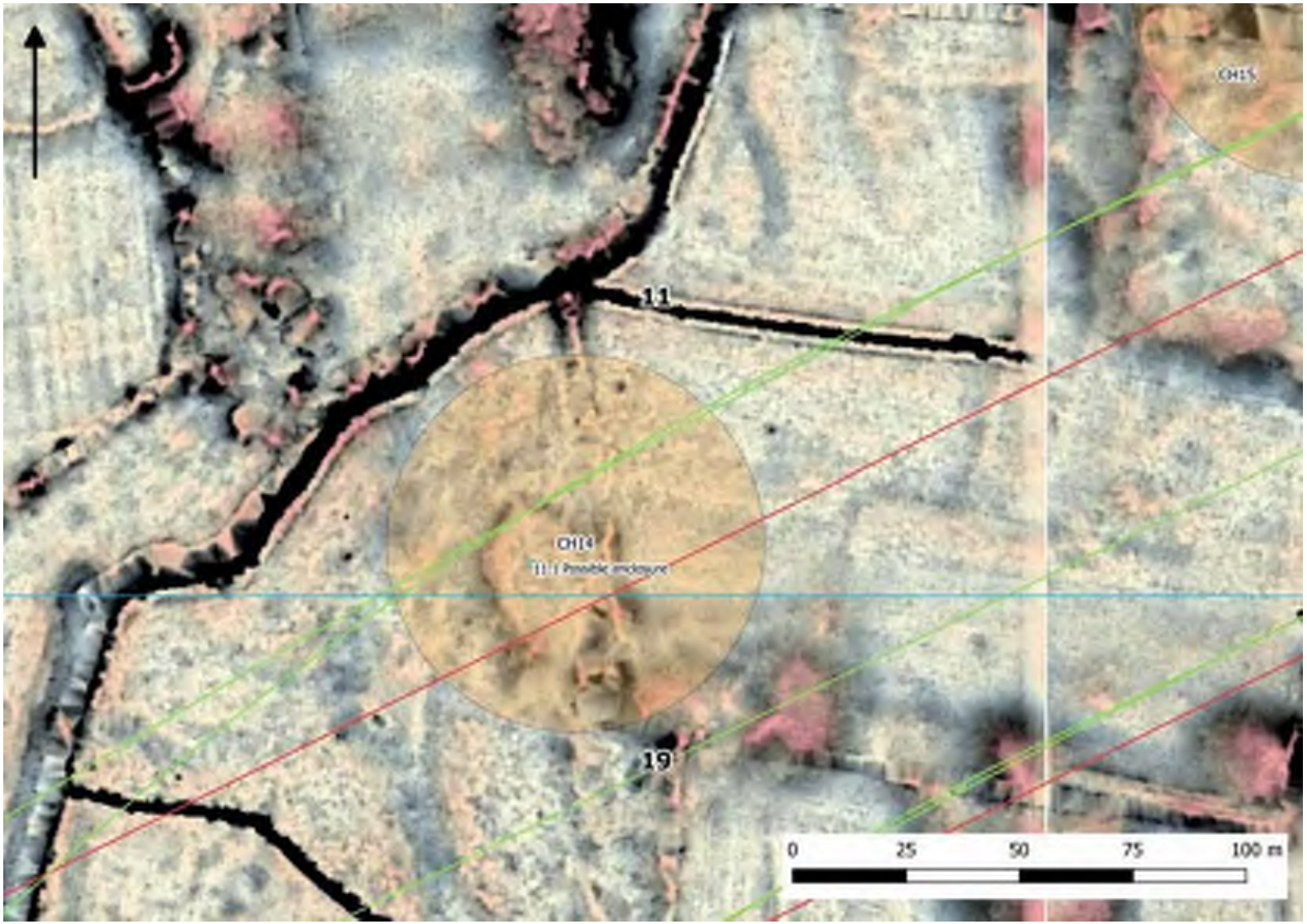


Feature 10.1. Enclosure sited in corner of field system, c. 21 m diameter. LRM over SVF image.

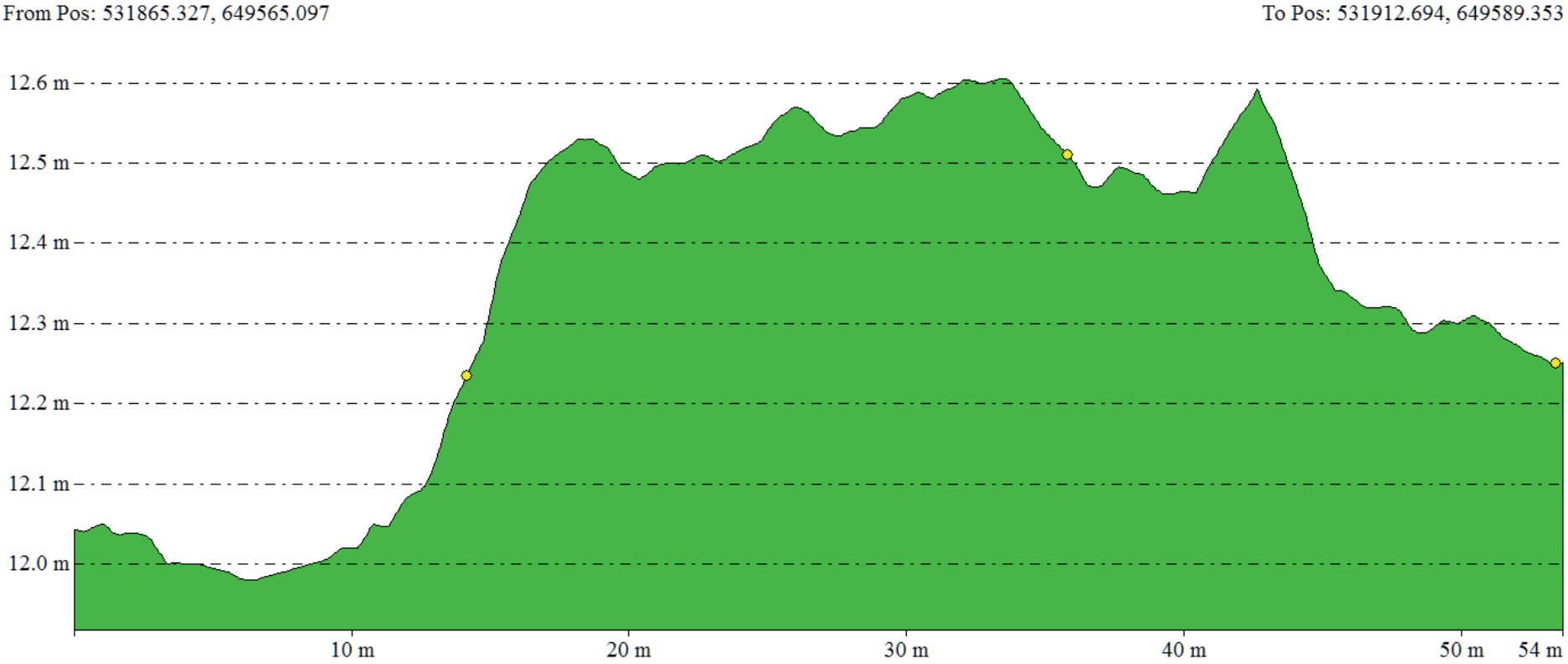
Grid 11



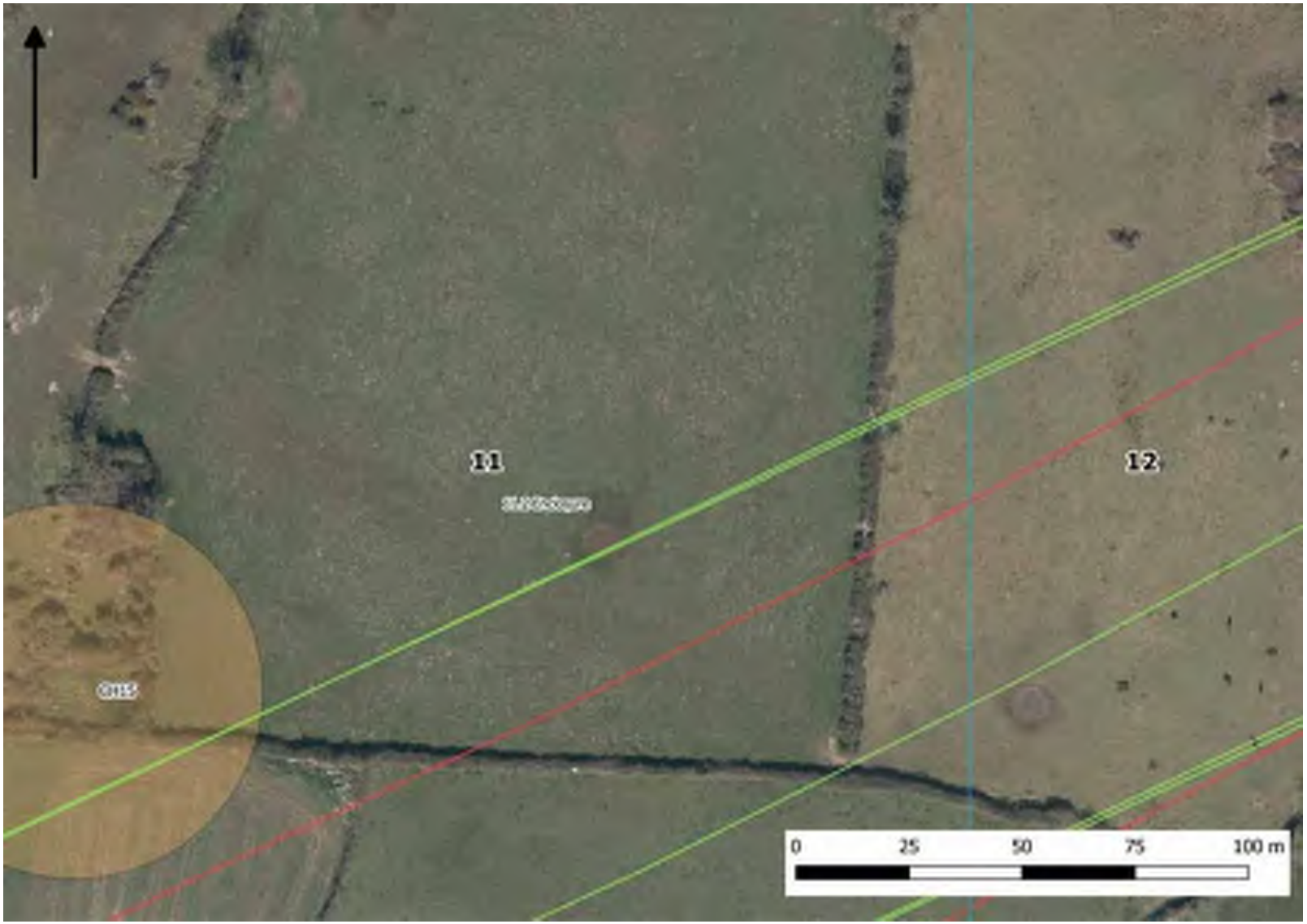
Feature 11.1. Possible oval enclosure, 36 m NW-SE, 22 m SW-NE. AP.



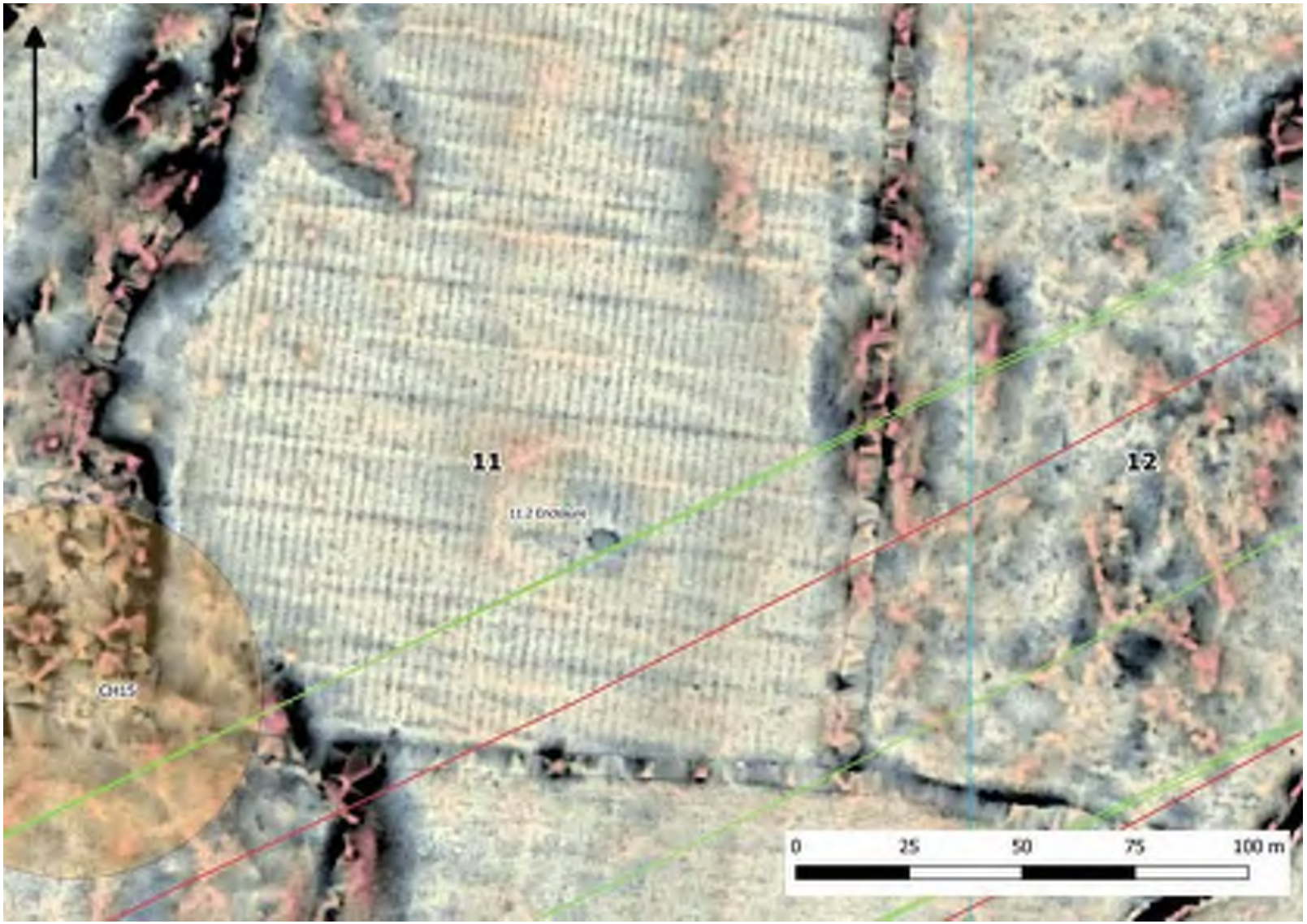
Feature 11.1. Possible oval enclosure, 36 m NW-SE, 22 m SW-NE. LRM over SVF image.



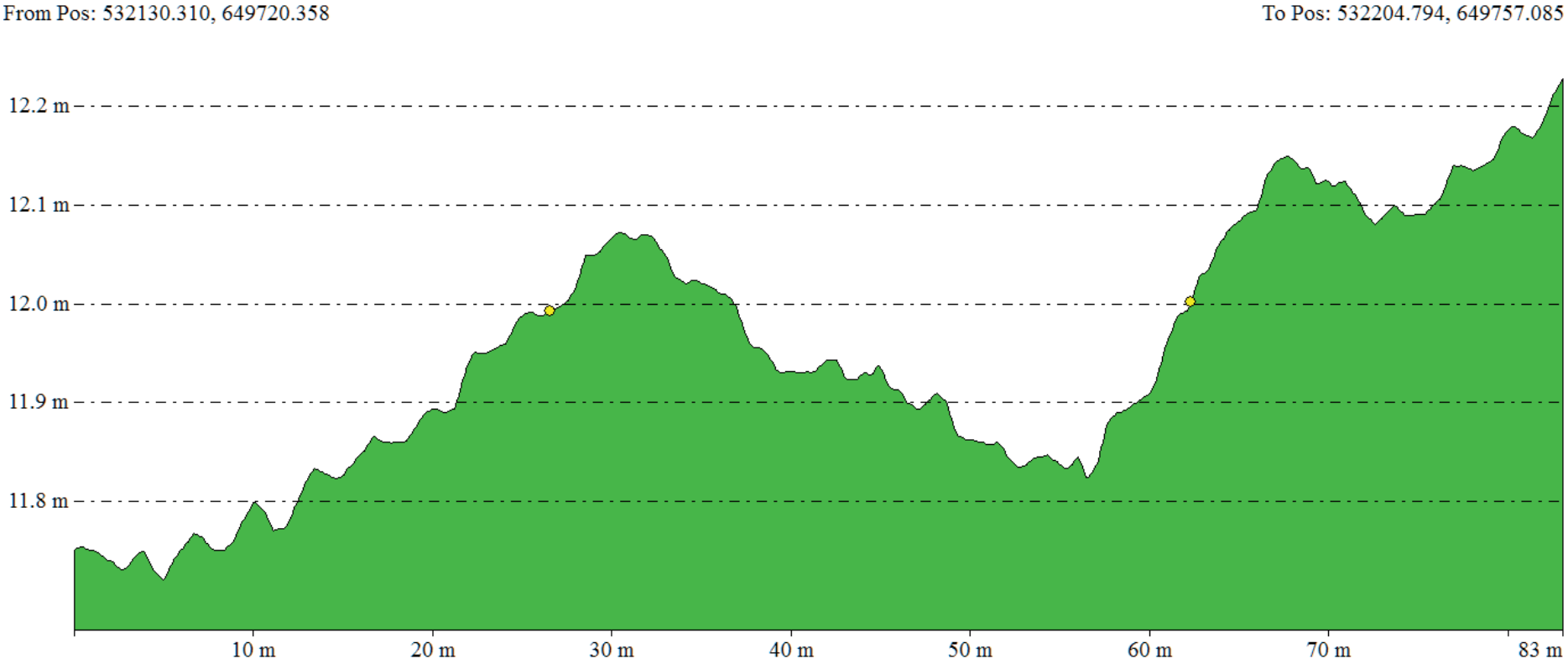
Feature 11.1. SW-NE profile through possible enclosure.



Feature 11.2. Possible ringfort, defined by curving bank to the NW. Truncated to SE. c. 32.6 m diameter. Scheme orthophotography.

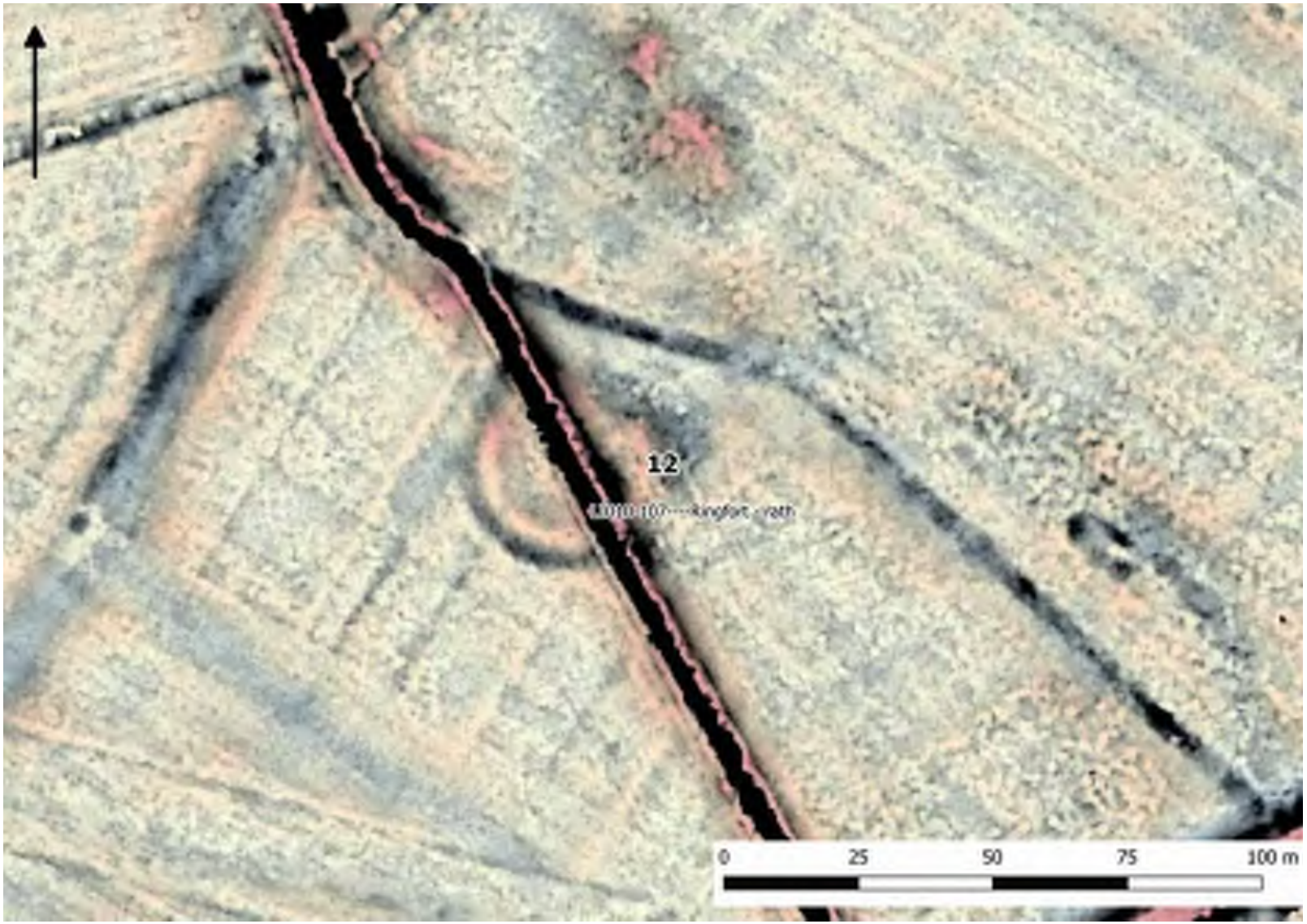


Feature 11.2. Possible ringfort, defined by curving bank to the NW. Truncated to SE. c. 32.6 m diameter. LRM over SVF image.

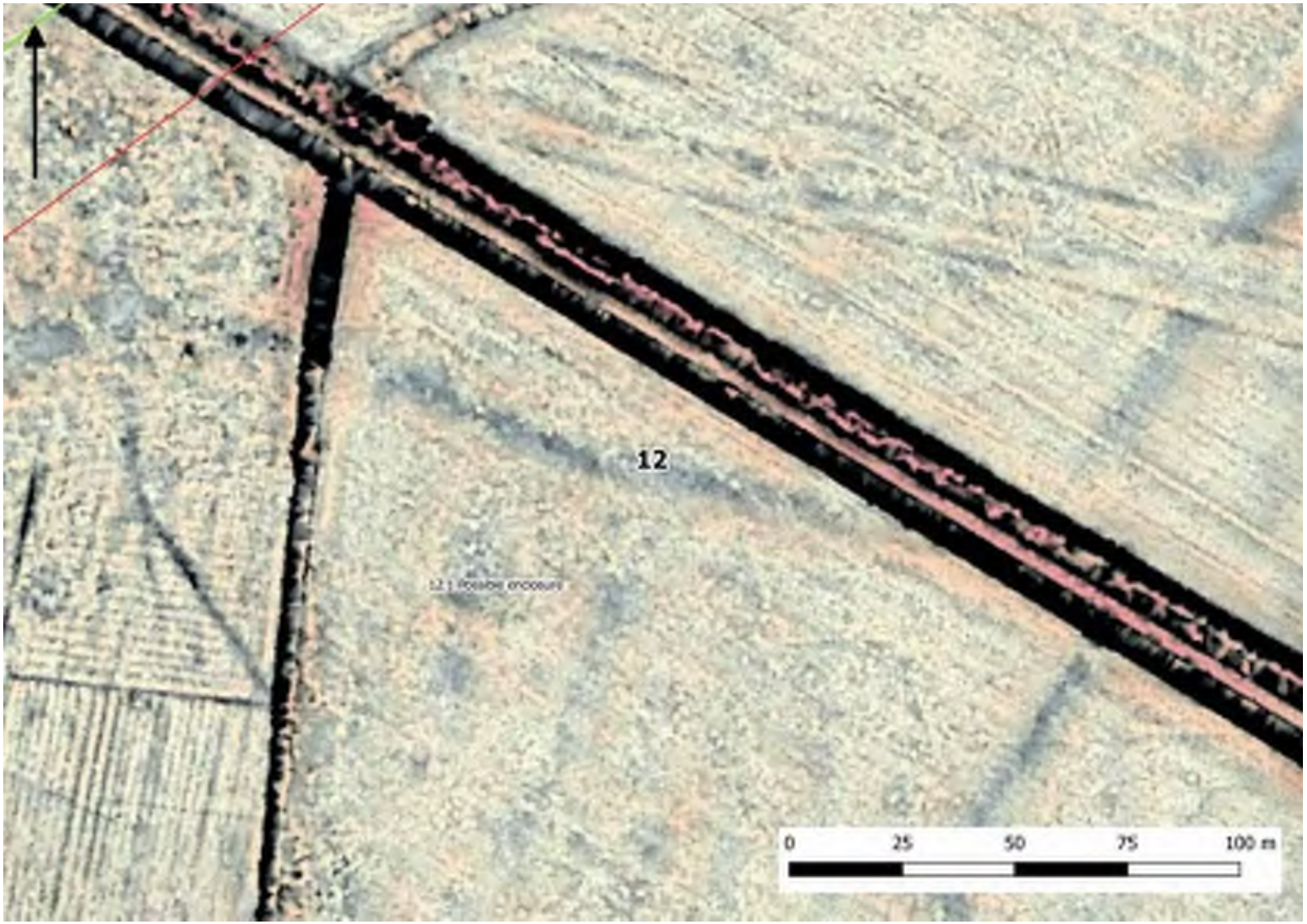


Feature 11.2. SW-NE profile though feature.

Grid 12

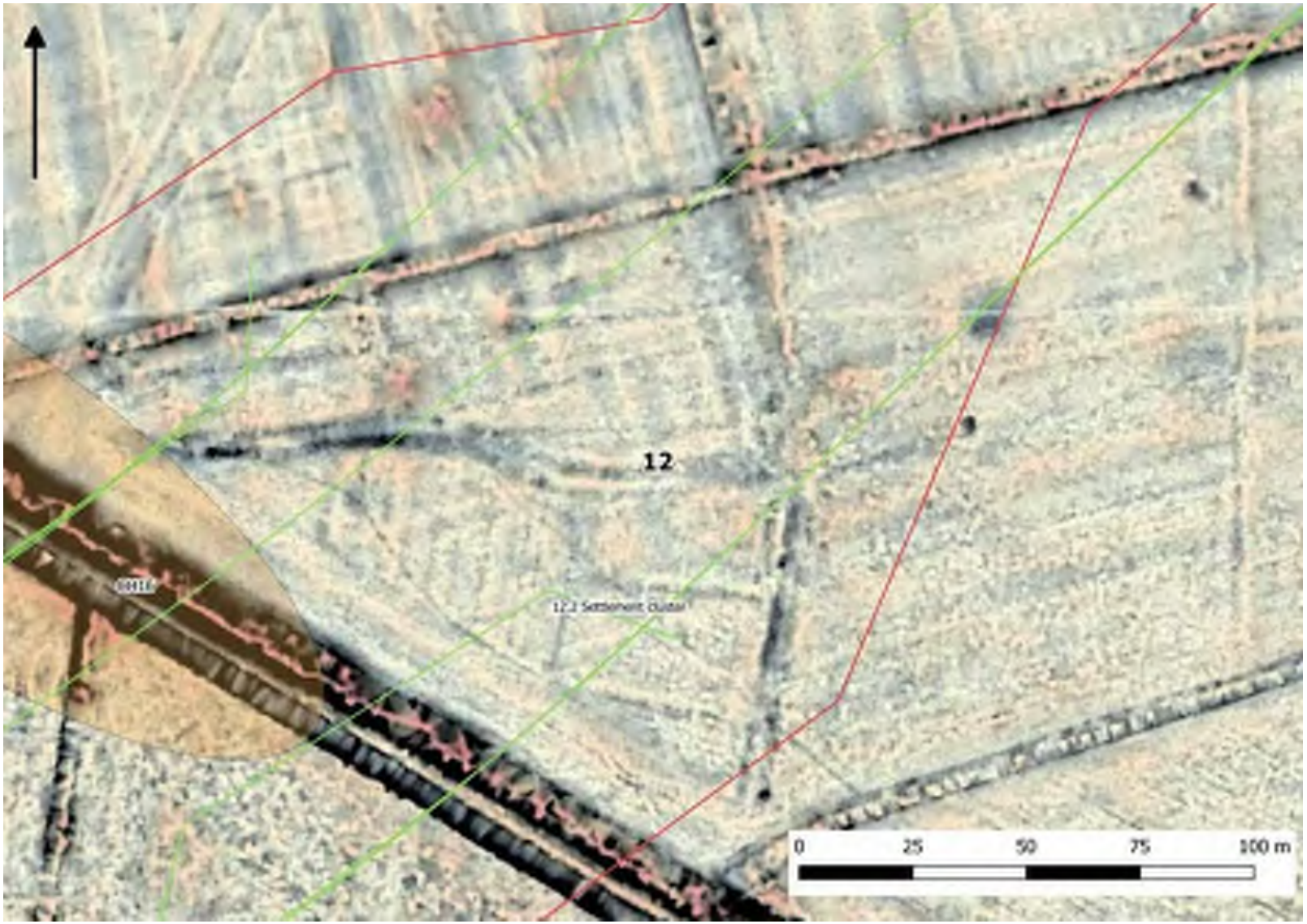


LI010-107. Ditched enclosure cut by field boundary and truncated to NE. c. 33.3 m diameter. LRM over SVF image.

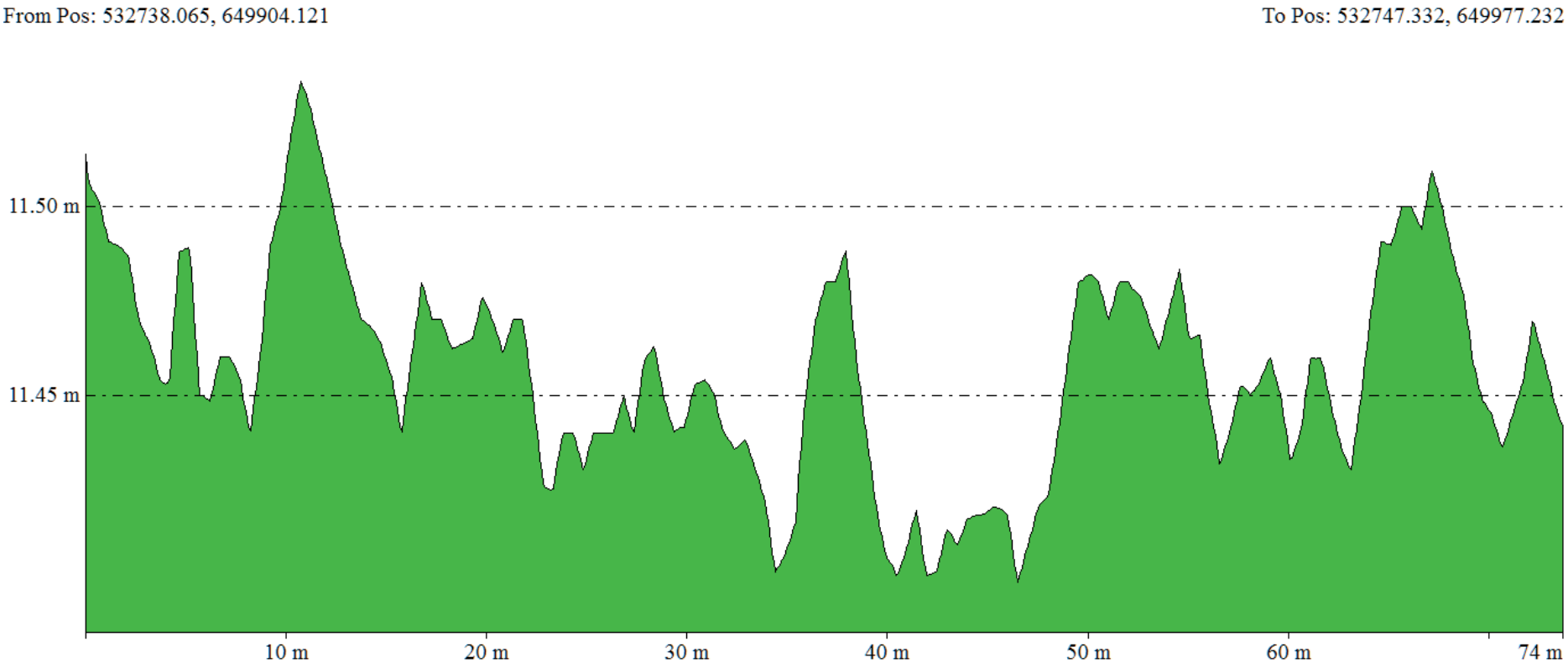


Feature 12.1. Very low profile possible ringfort. c. 26.2 m diameter. Best preserved to SW. LRM over SVF image. Note pipeline corridor to the north.

Feature 12.2. Possible settlement cluster defined by two rectangular enclosures, and a third possibly truncated to SW. 66 x 49 m. Scheme orthophotography.



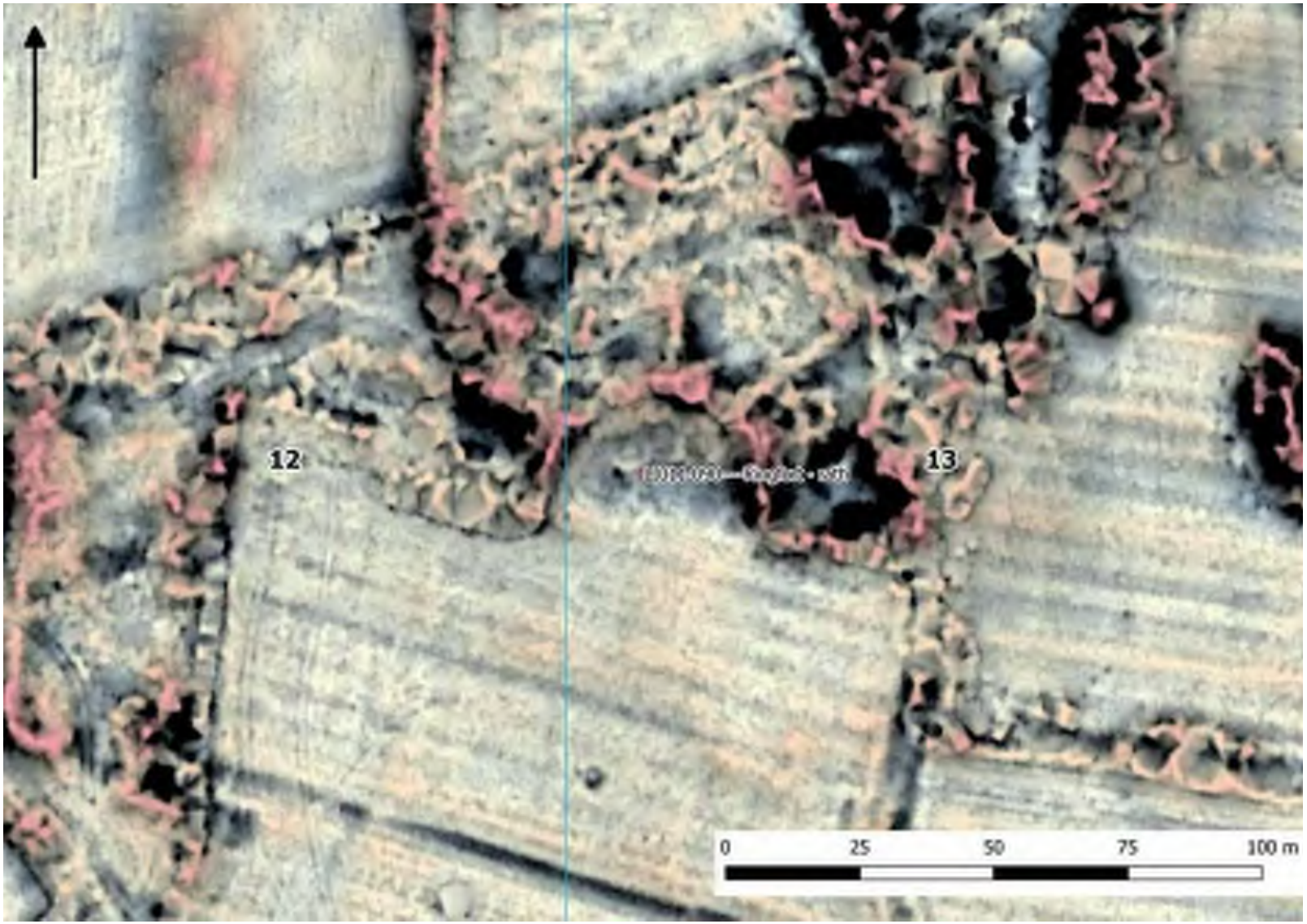
Feature 12.2. Possible settlement cluster defined by two rectangular enclosures, and a third possibly truncated to SW. 66 x 49 m. LRM over SVF image.



Feature 12.2. S-N profile through feature.

Grid 13

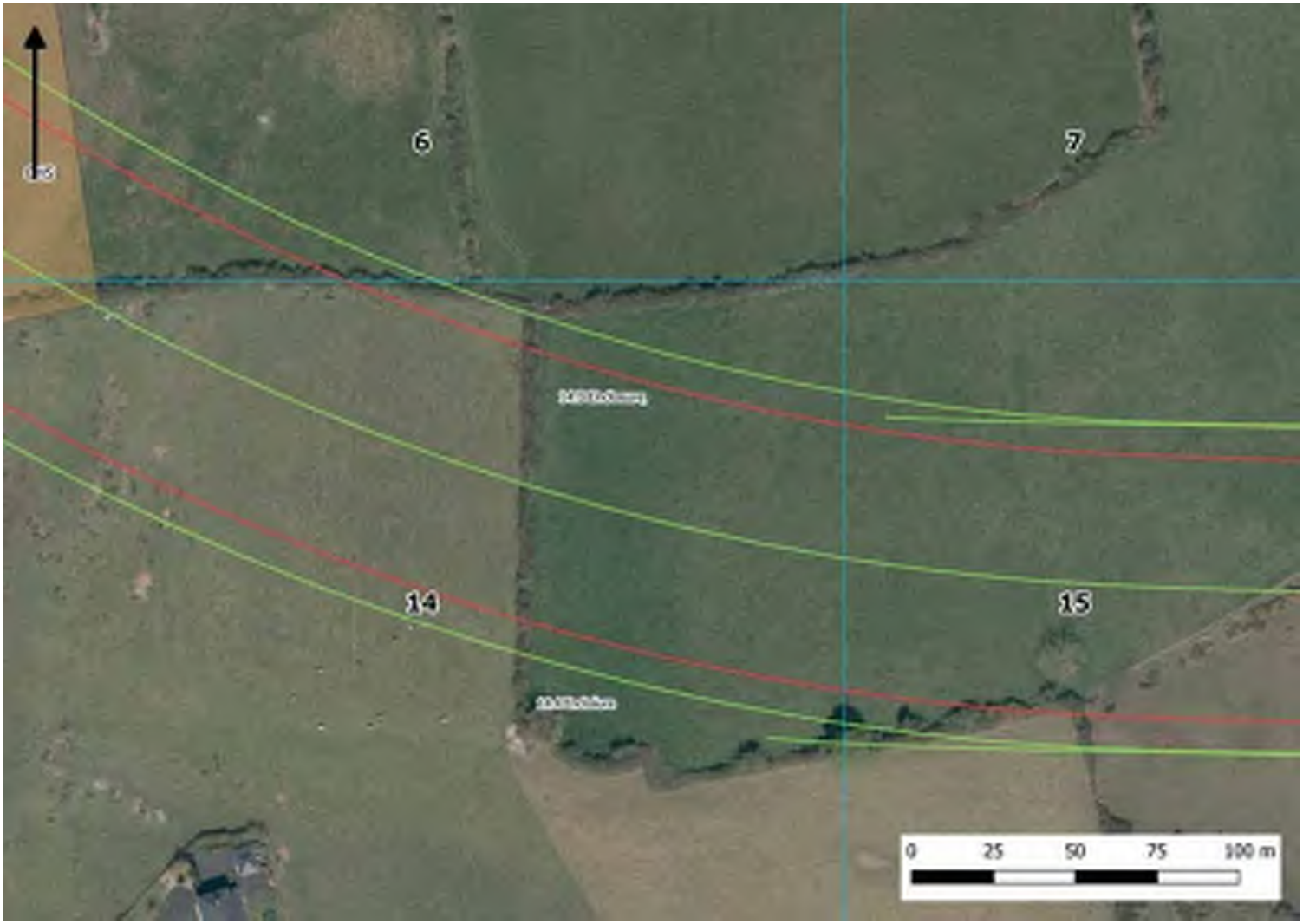
LI011-090. Northern section of site remains as horse-shoe shaped sunken area. Suggestion of quarrying. 38 m diameter.



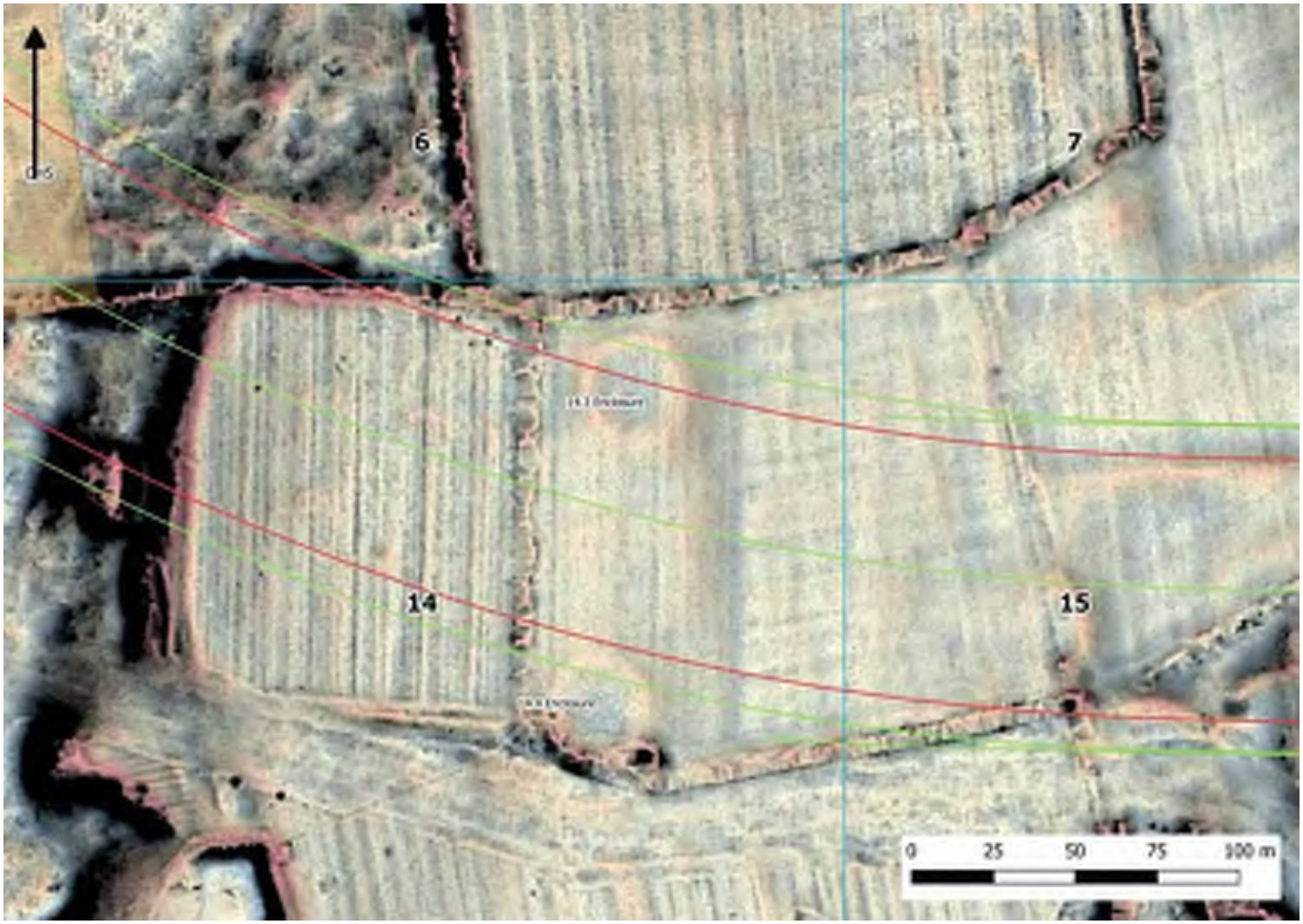
LI011-090. Northern section of site remains as horse-shoe shaped sunken area. Suggestion of quarrying. 38 m diameter. LRM over SVF image.

Grid 14

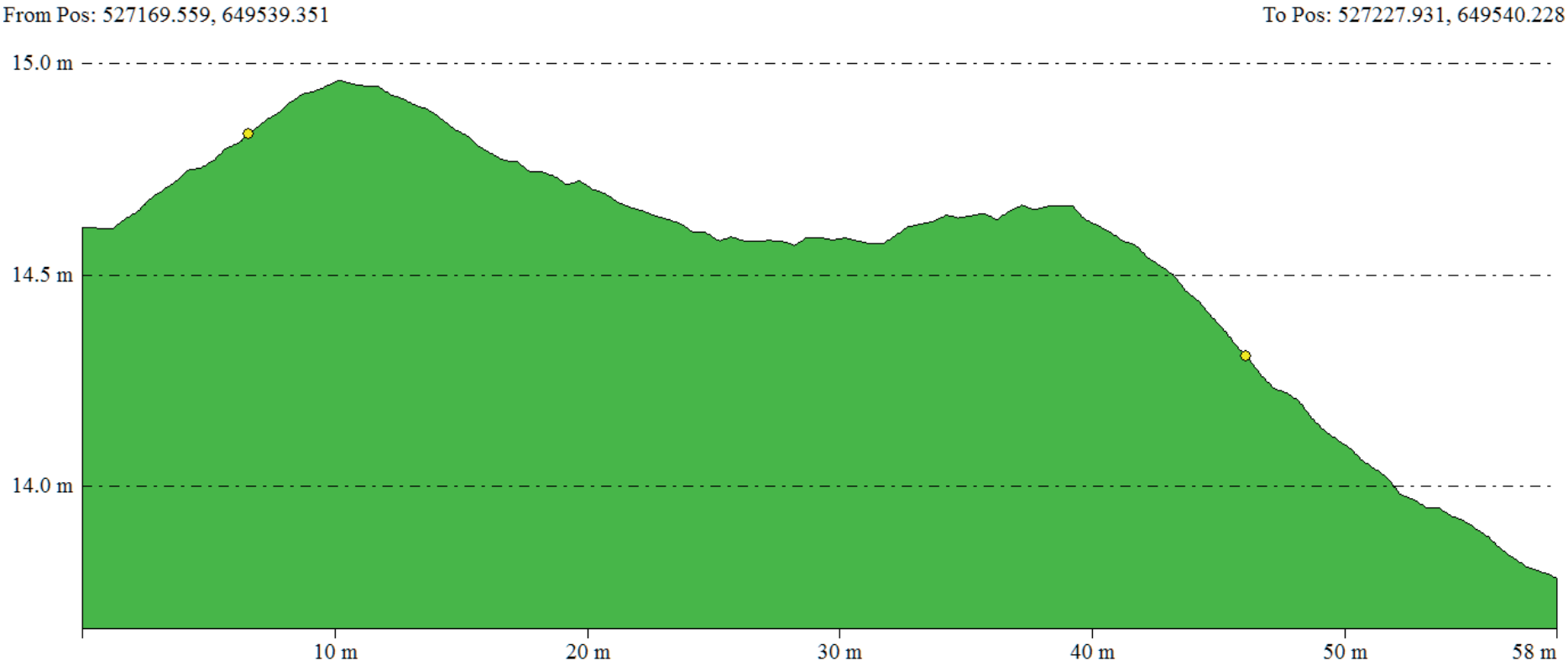
Feature 14.1. Low profile probable ringfort, c. 17.2 m diameter;
Feature 14.2. Possible enclosure, 17 m diameter. Perhaps part of field system extending to NE. LRM over SVF image.



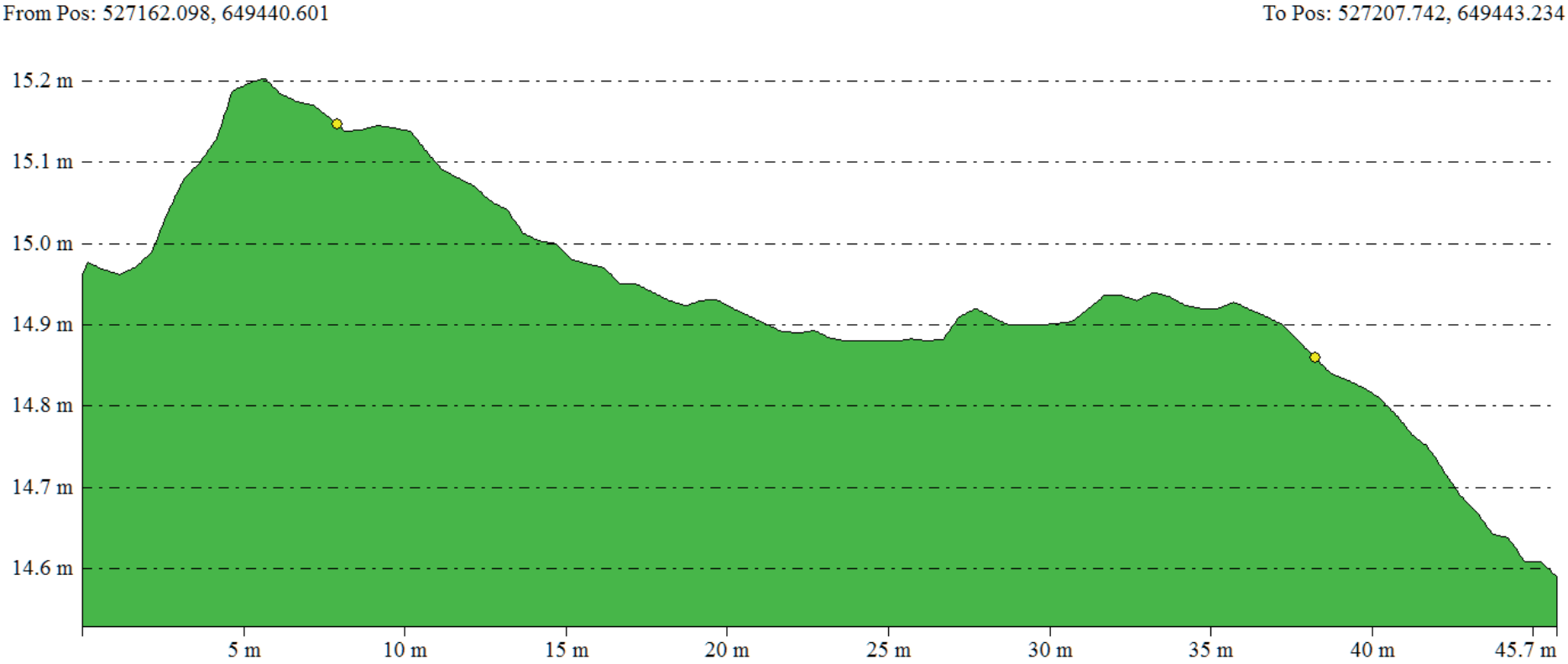
Feature 14.3. Small enclosure, one of a pair. c. 23.6 m diameter. Probable ringfort;
Feature 14.4. Pair to 14.3 which is c. 100 m to the north. Small enclosure, 21 m diameter. Probable ringfort. AP.



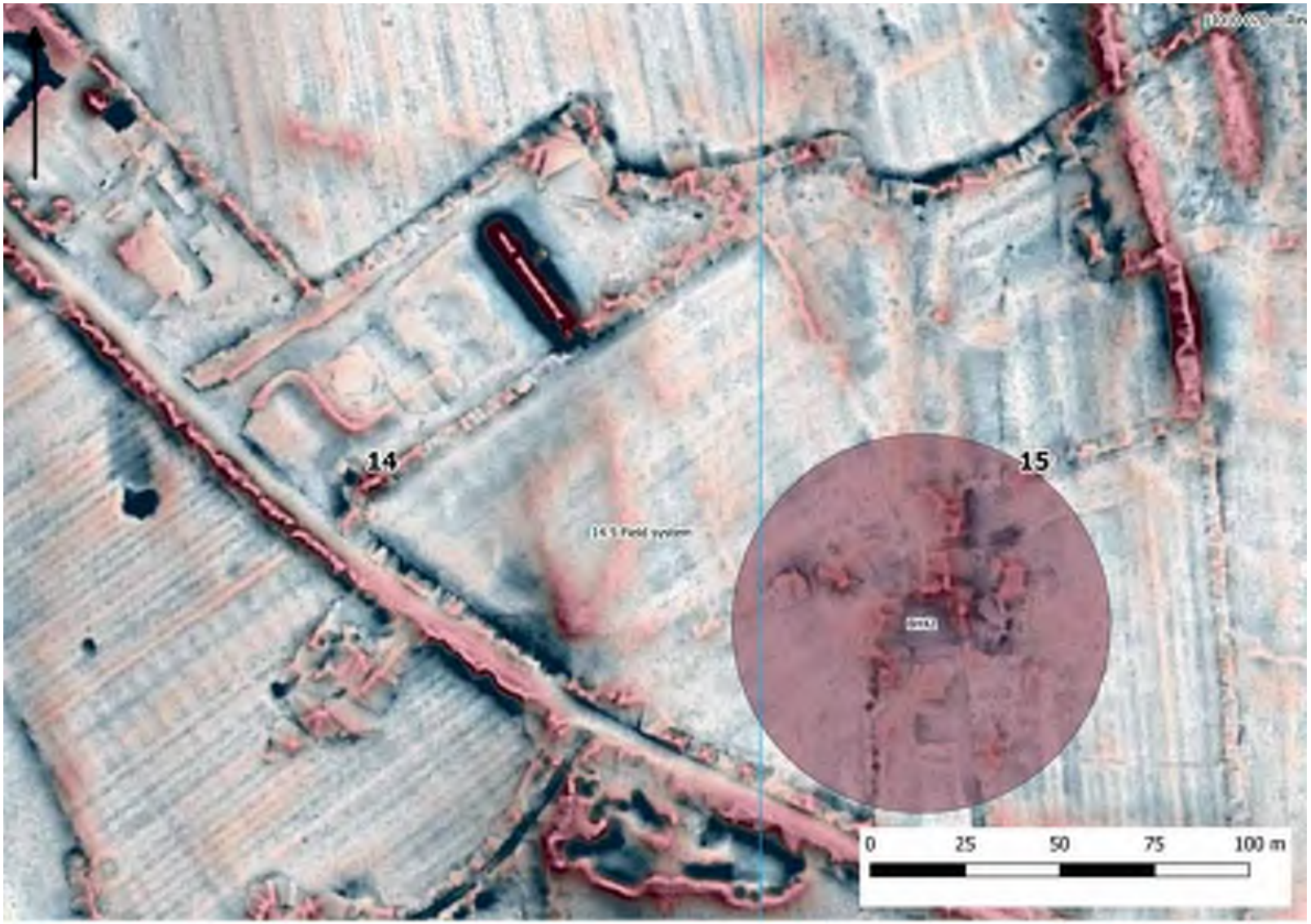
Feature 14.3. Small enclosure, one of a pair. c. 23.6 m diameter. Probable ringfort;
Feature 14.4. Pair to 14.3 which is c. 100 m to the north. Small enclosure, 21 m diameter. Probable ringfort. LRM over SVF image.



Feature 14.3. West-east profile. of enclosure



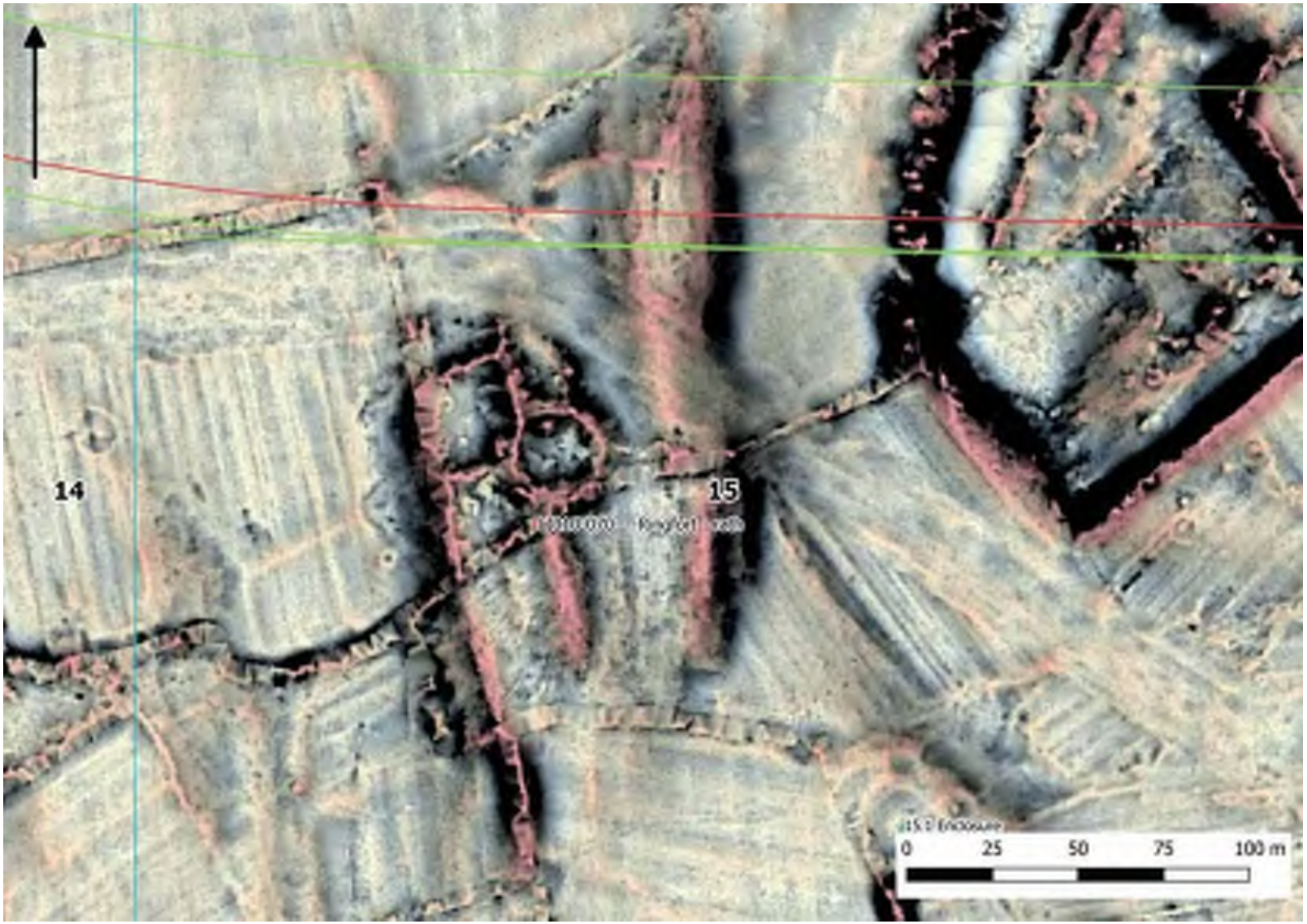
Feature 14.4. West-East profile of enclosure.



Feature 14.5. Approximately triangular field, defined by low banks. 38 m x 22 m. LRM over SVF image.

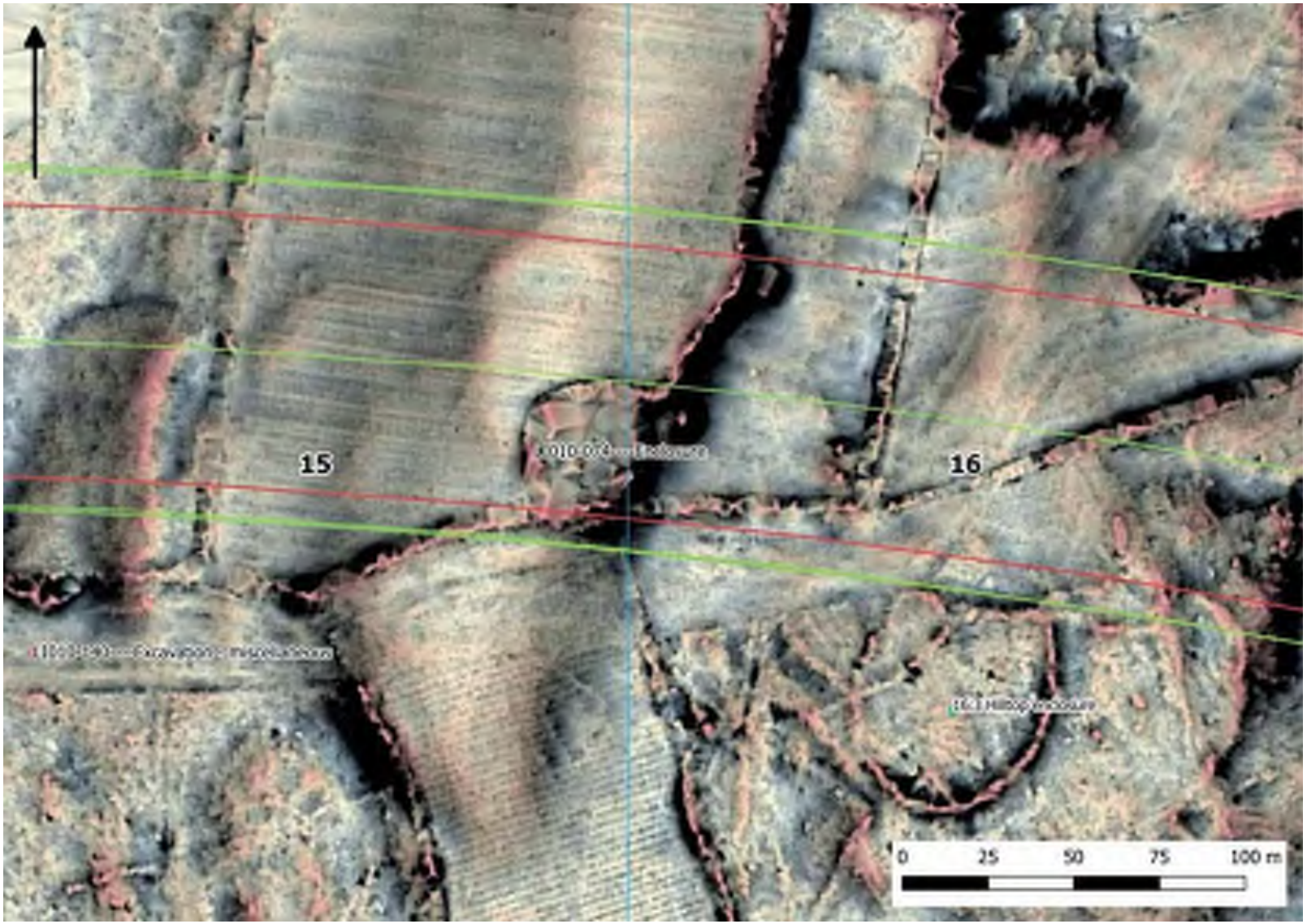
Grid 15

LI010-070 (AH5). Well-preserved ringfort under scrub. Associated field systems to west. 25 m diameter. Scheme orthophotography.



LI010-070 (AH5). Well-preserved ringfort under scrub. Associated field systems to west. 25 m diameter. LRM over SVF image.

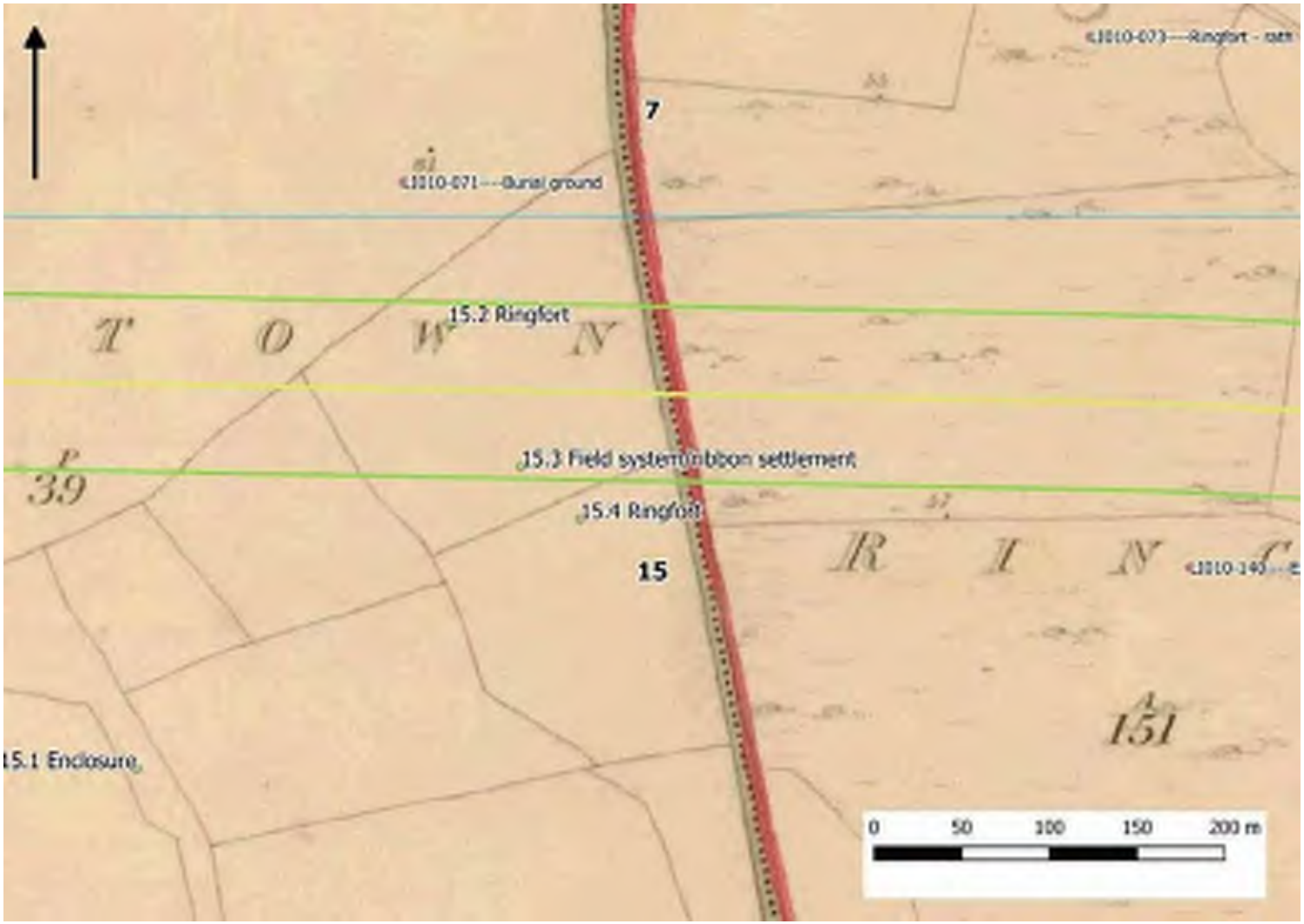
LI010-074 (AH8). Roughly circular enclosure, truncated to east, under heavy woodland. 42 m diameter. Scheme orthophotography.



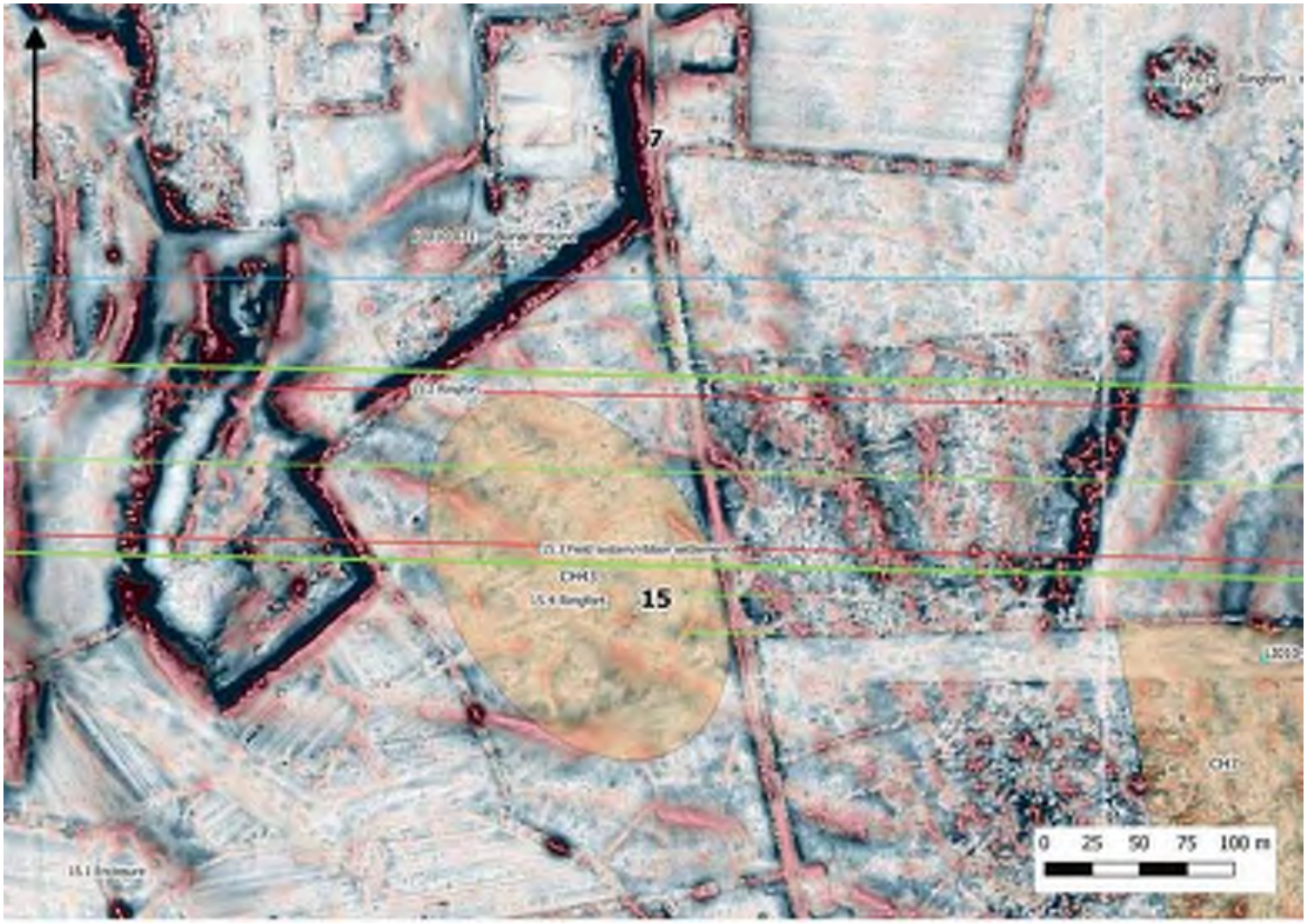
LI010-074 (AH8). Roughly circular enclosure, truncated to east, under heavy woodland. 42 m diameter. LRM over SVF image.

LI010-074 (AH8). West-East profile of enclosure.

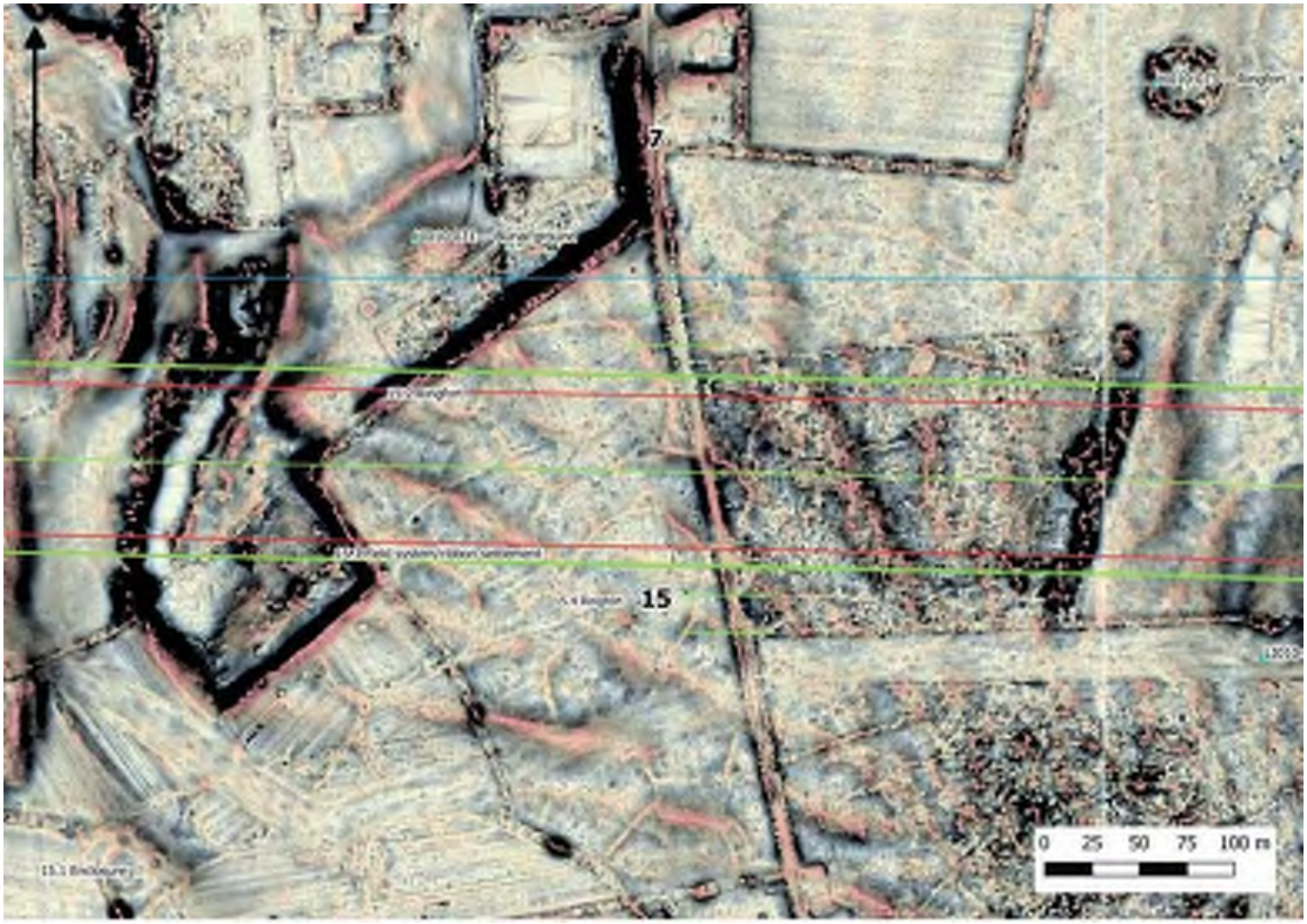
Feature 15.1. Probable ringfort, 26 m diameter. Some suggestion of internal structure. LRM over SVF image.



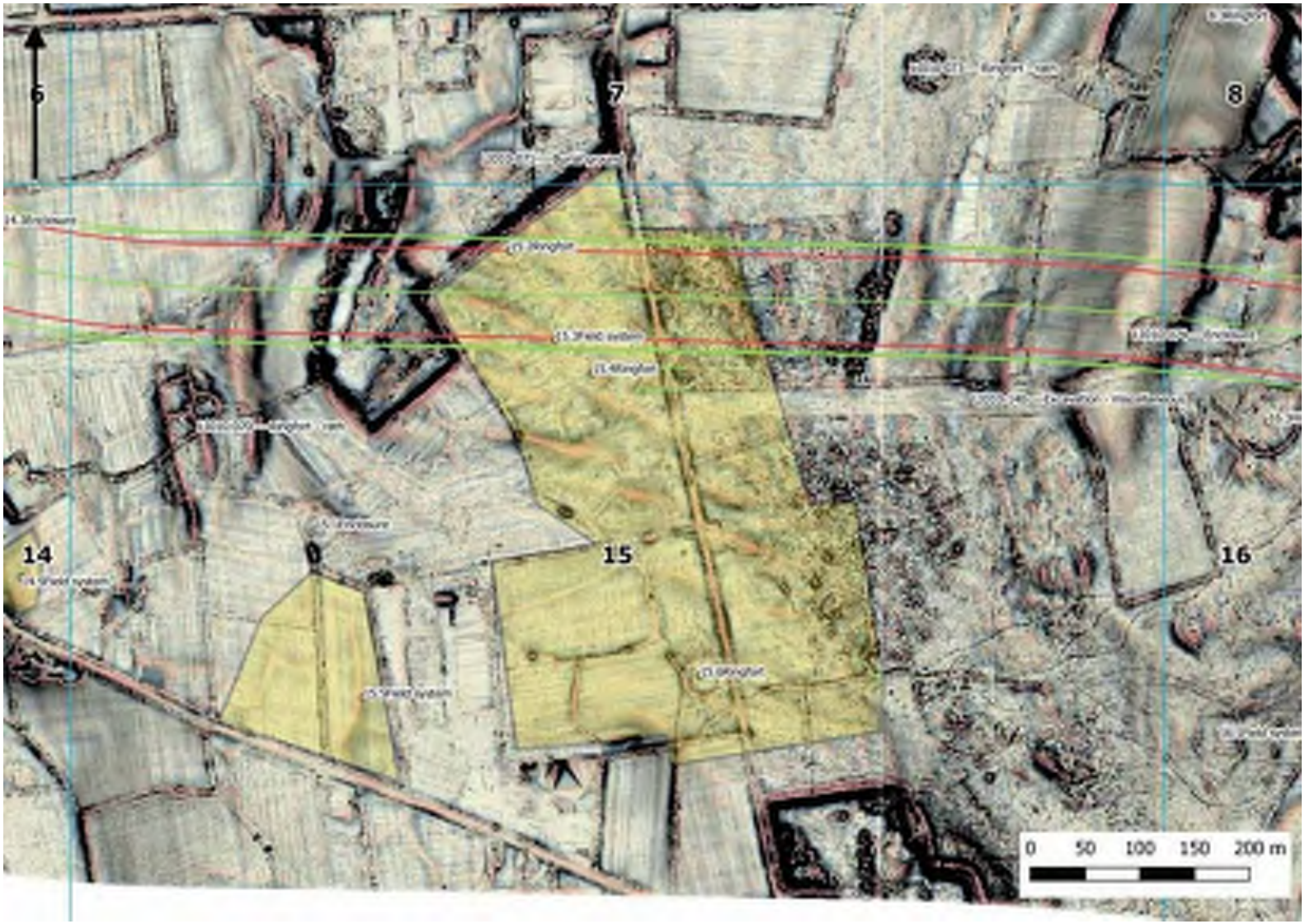
Feature 15.2. Ringfort, truncated to NW and associated with the extensive field system complex 15.3. c. 25 m diameter;
Feature 15.3. Extensive field system associated with at least one early medieval enclosure (probably more). 370 x 190 m
Feature 15.4. Probable low-profile ringfort associated with field system 15.3. 32 m diameter. 6 inch map.



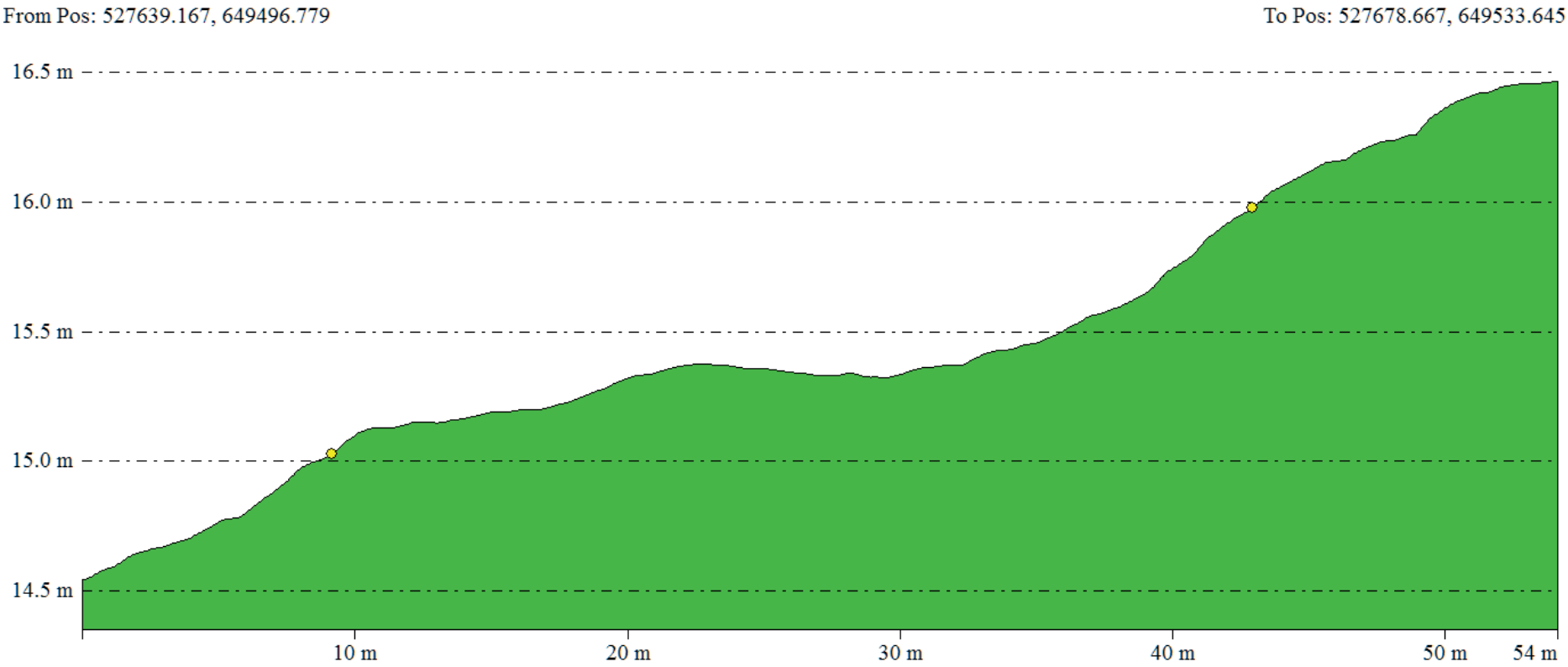
Feature 15.2. Ringfort, truncated to NW and associated with the extensive field system complex 15.3. c. 25 m diameter;
Feature 15.3. Extensive field system associated with at least one early medieval enclosure (probably more). 370 x 190 m
Feature 15.4. Probable low-profile ringfort associated with field system 15.3. 32 m diameter. 6 inch map. LRM over SVF image.



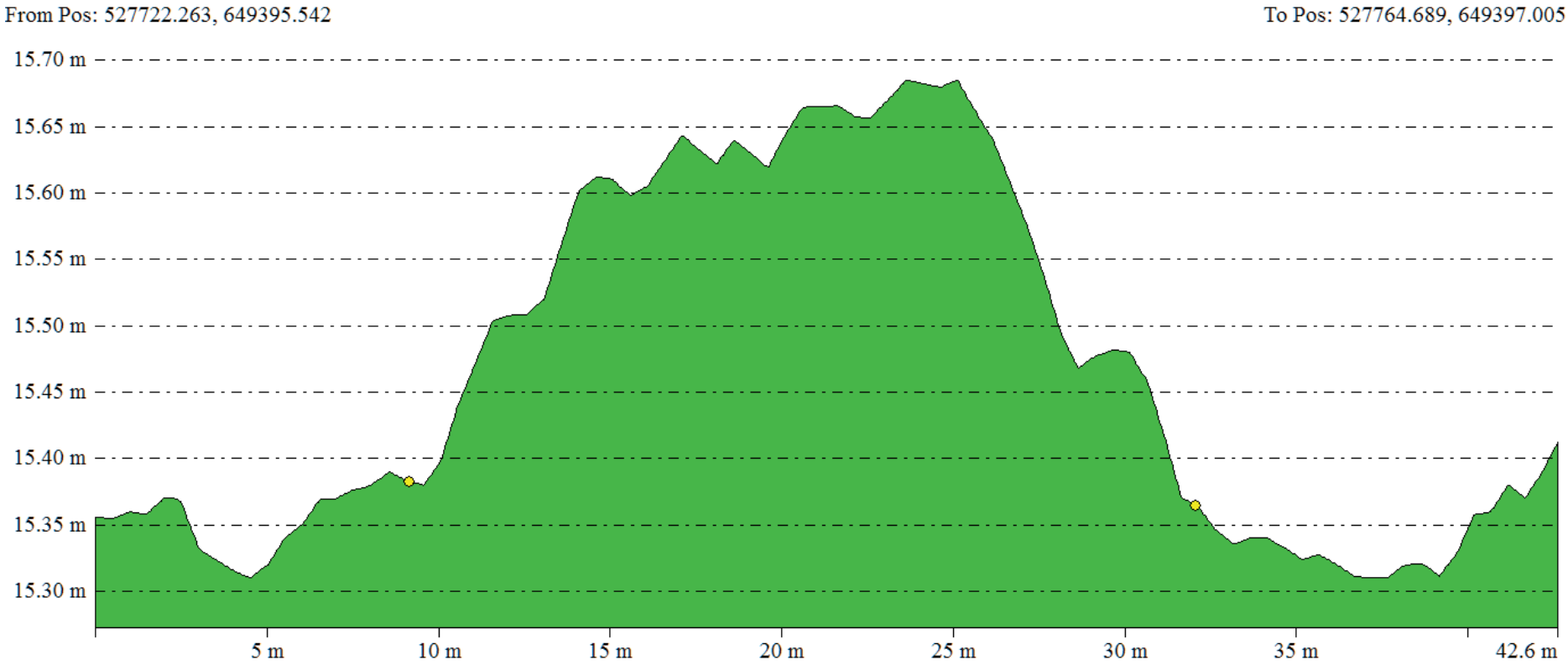
Feature 15.2. Ringfort, truncated to NW and associated with the extensive field system complex 15.3. c. 25 m diameter;
Feature 15.3. Extensive field system associated with at least one early medieval enclosure (probably more). 370 x 190 m
Feature 15.4. Probable low-profile ringfort associated with field system 15.3. 32 m diameter. 6 inch map. LRM over SVF image.



Feature 15.3. Full extent of field system marked in yellow. 370 x 190 m

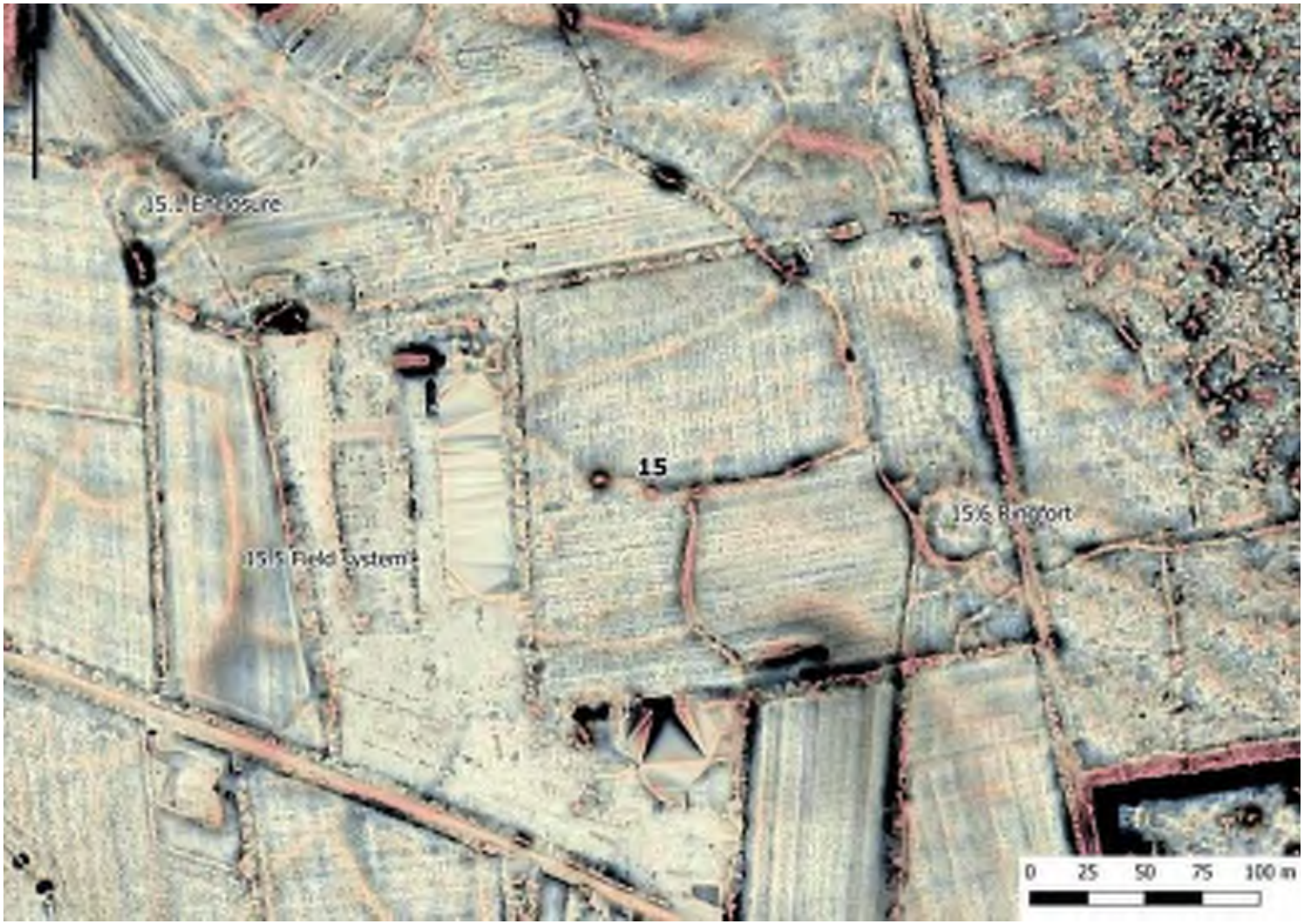


Feature 15.2. SW-NE profile of enclosure



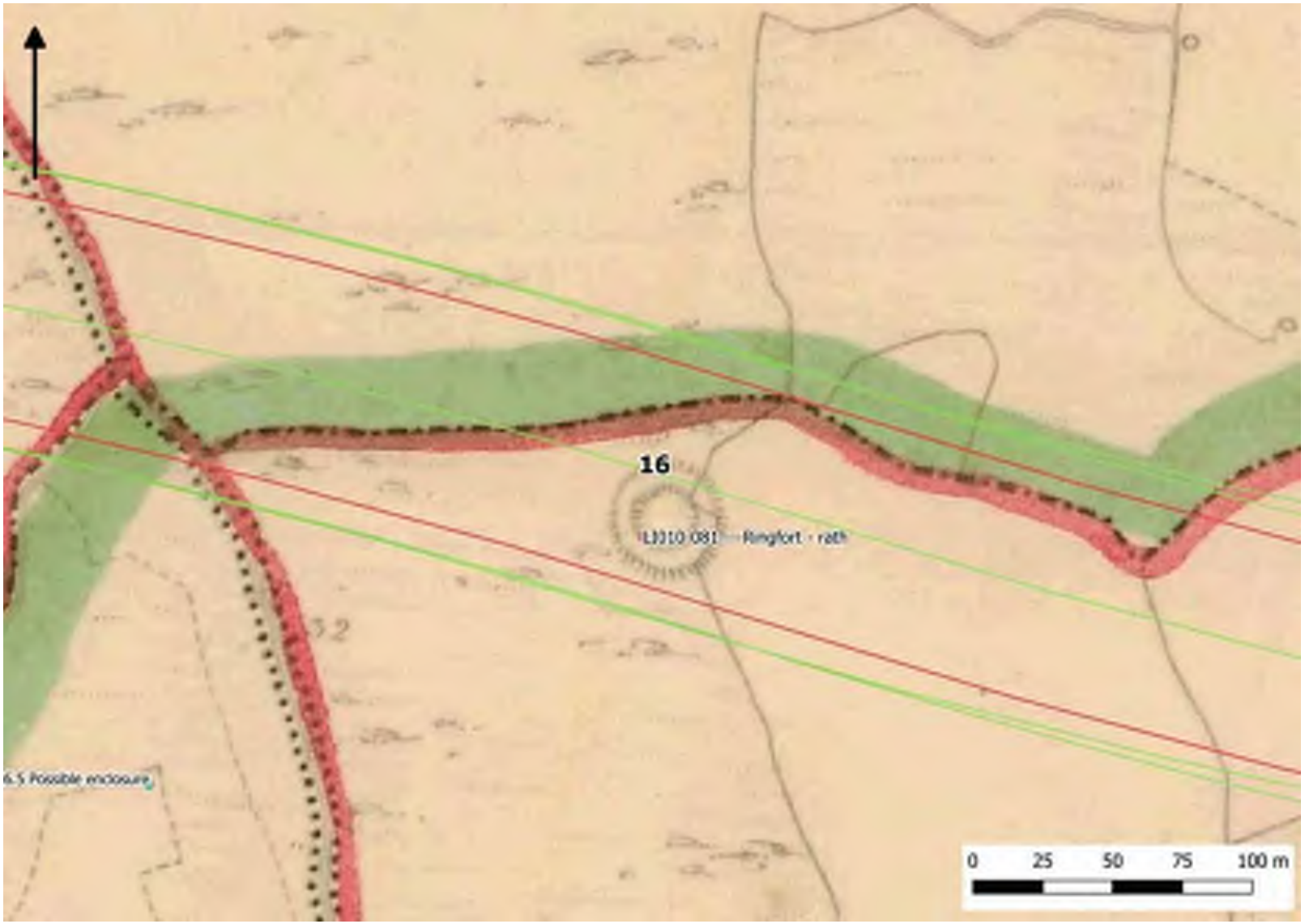
Feature 15.4. W-E profile of enclosure.

Feature 15.5. Elements of field system potentially associated with 15.1;
Feature 15.6. Ringfort constituting southern end of field system 15.3. 31 m diameter. Scheme orthophotography. See also Fig. 11.



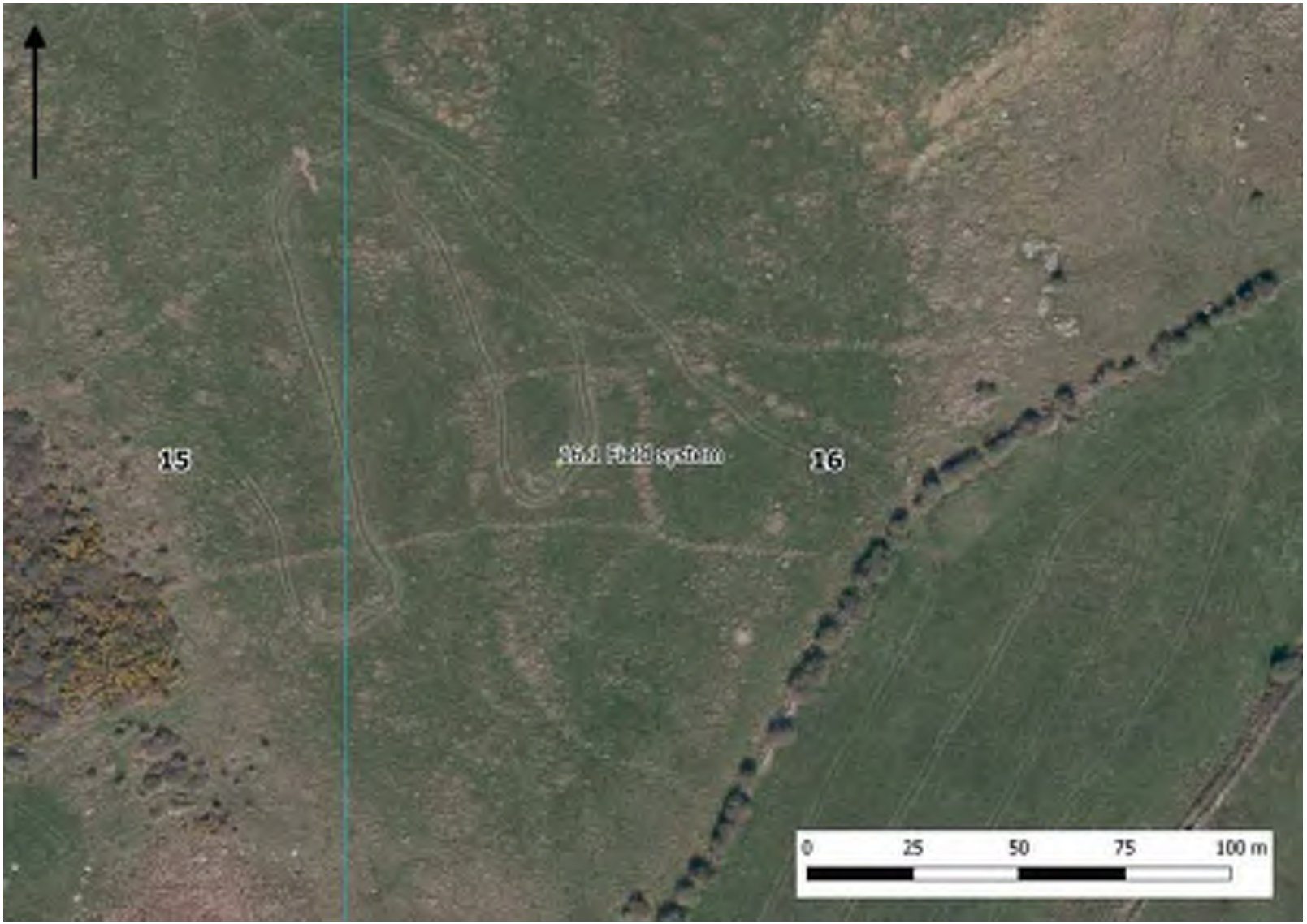
Feature 15.5. Elements of field system potentially associated with 15.1. 138 x 126 m
Feature 15.6. Ringfort constituting southern end of field system 15.3. 31 m diameter. LRM over SVF image. See also Fig. 11.

Grid 16

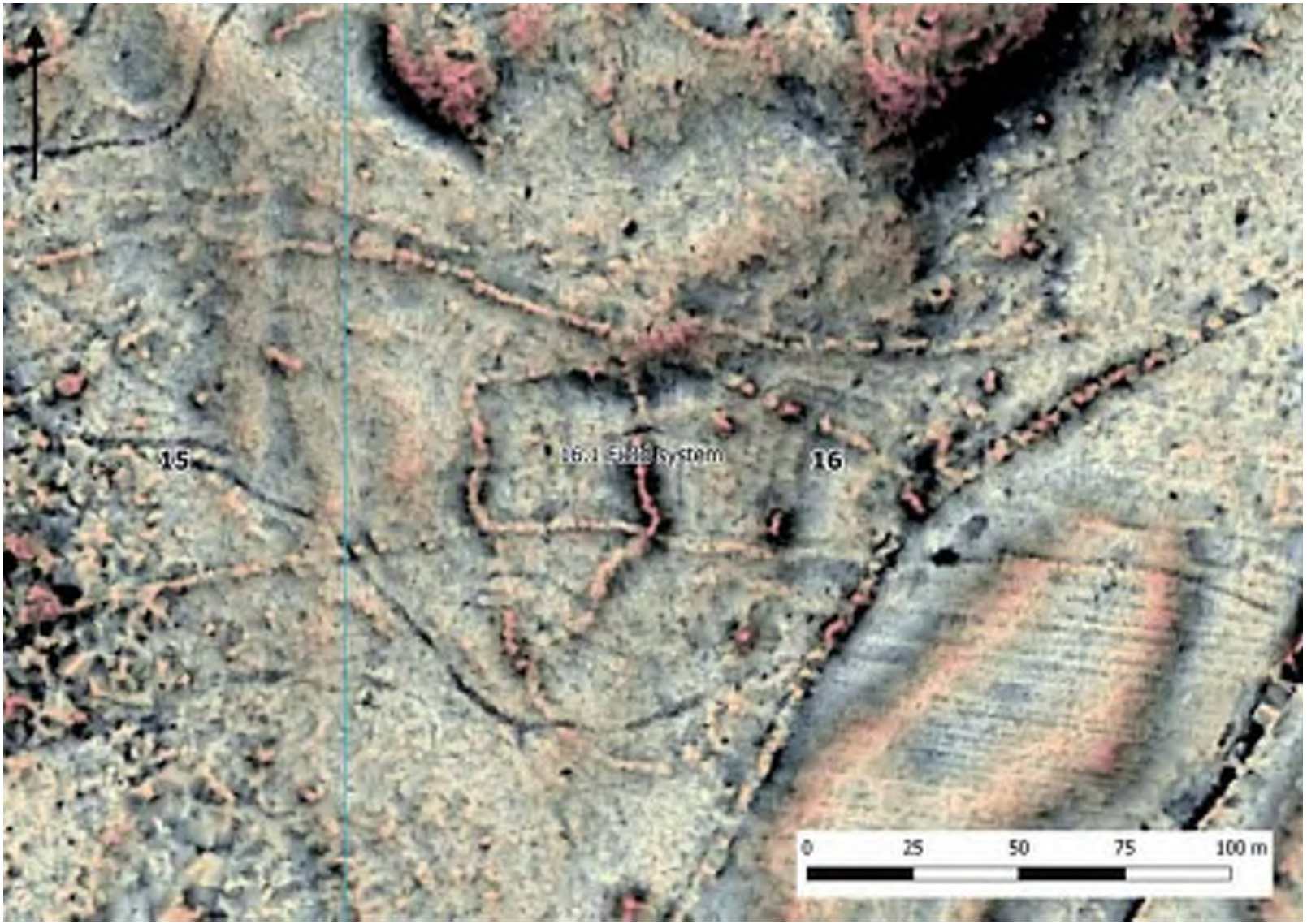


LI010-081 (AH9). Modern quarry at this location. No visible trace remains of monument. 6-inch series mapping

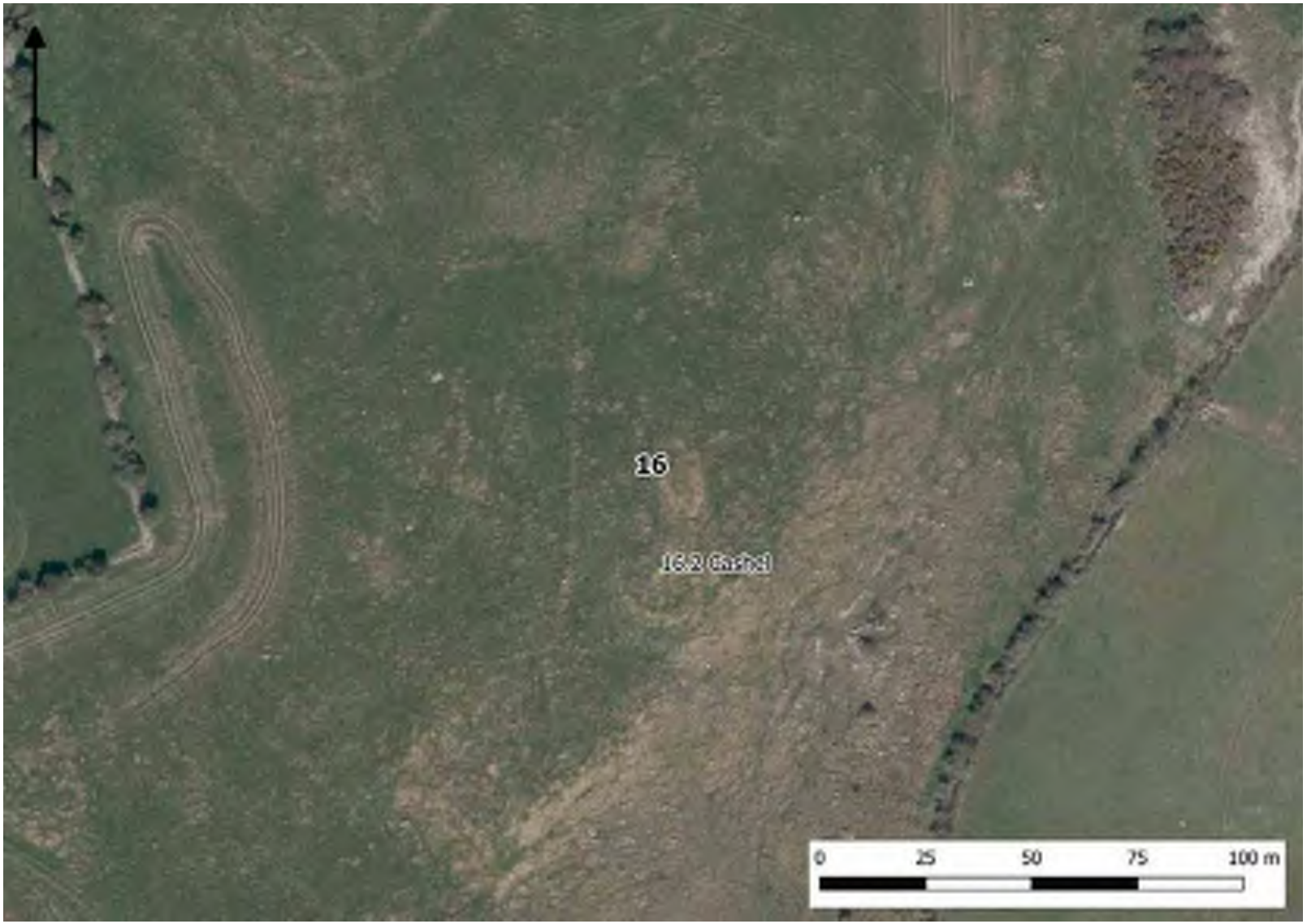
LI010-081 (AH9). Modern quarry at this location. No visible trace remains of monument. Scheme orthophotography.



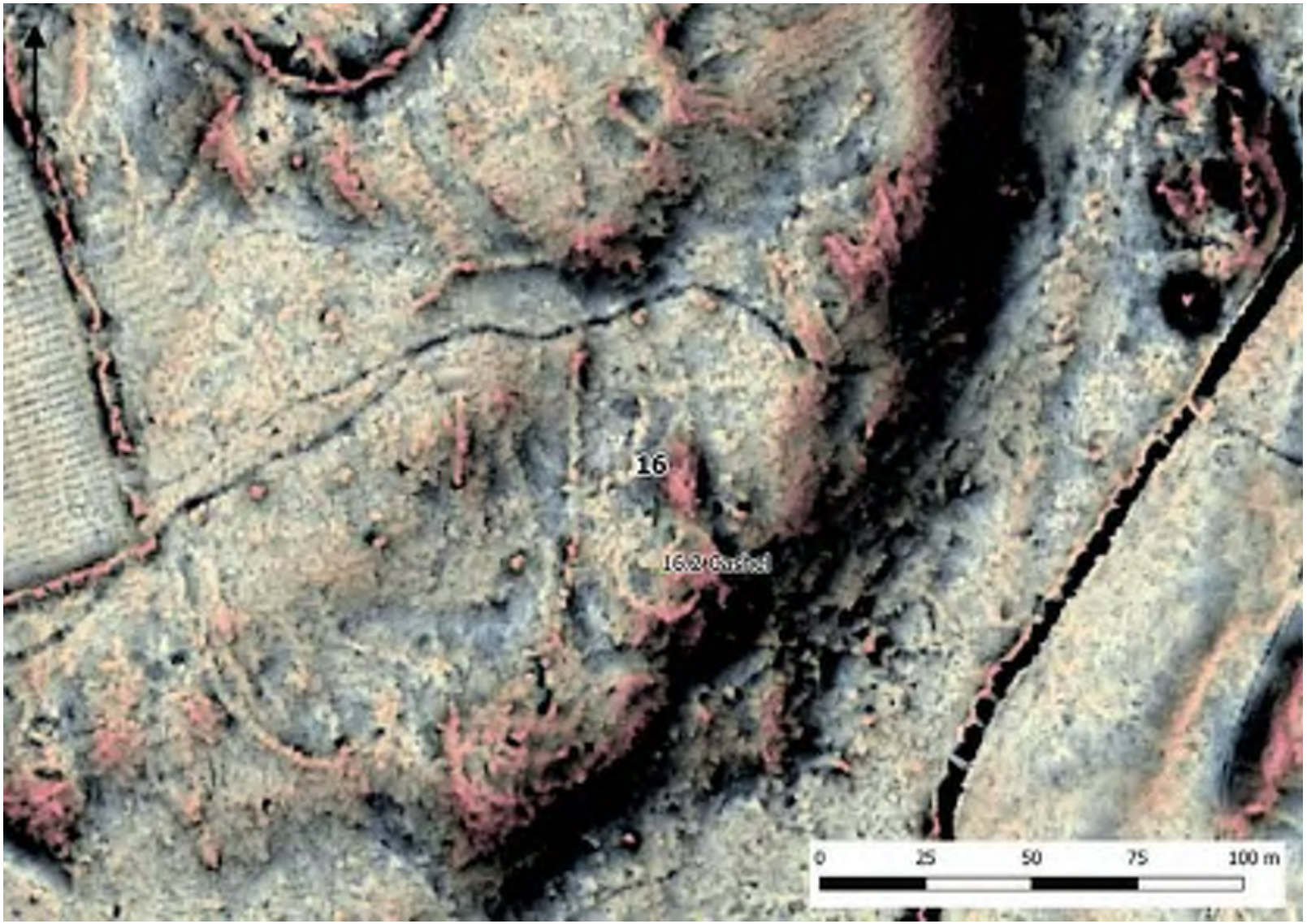
Feature 16.1. Rectangular field system/enclosure, 38 x 36 m. Well-defined in AP. Possibly stock enclosure. Scheme orthophotography.



Feature 16.1. Rectangular field system/enclosure, 38 x 36 m. Well-defined in AP. Possibly stock enclosure. LRM over SVF image.

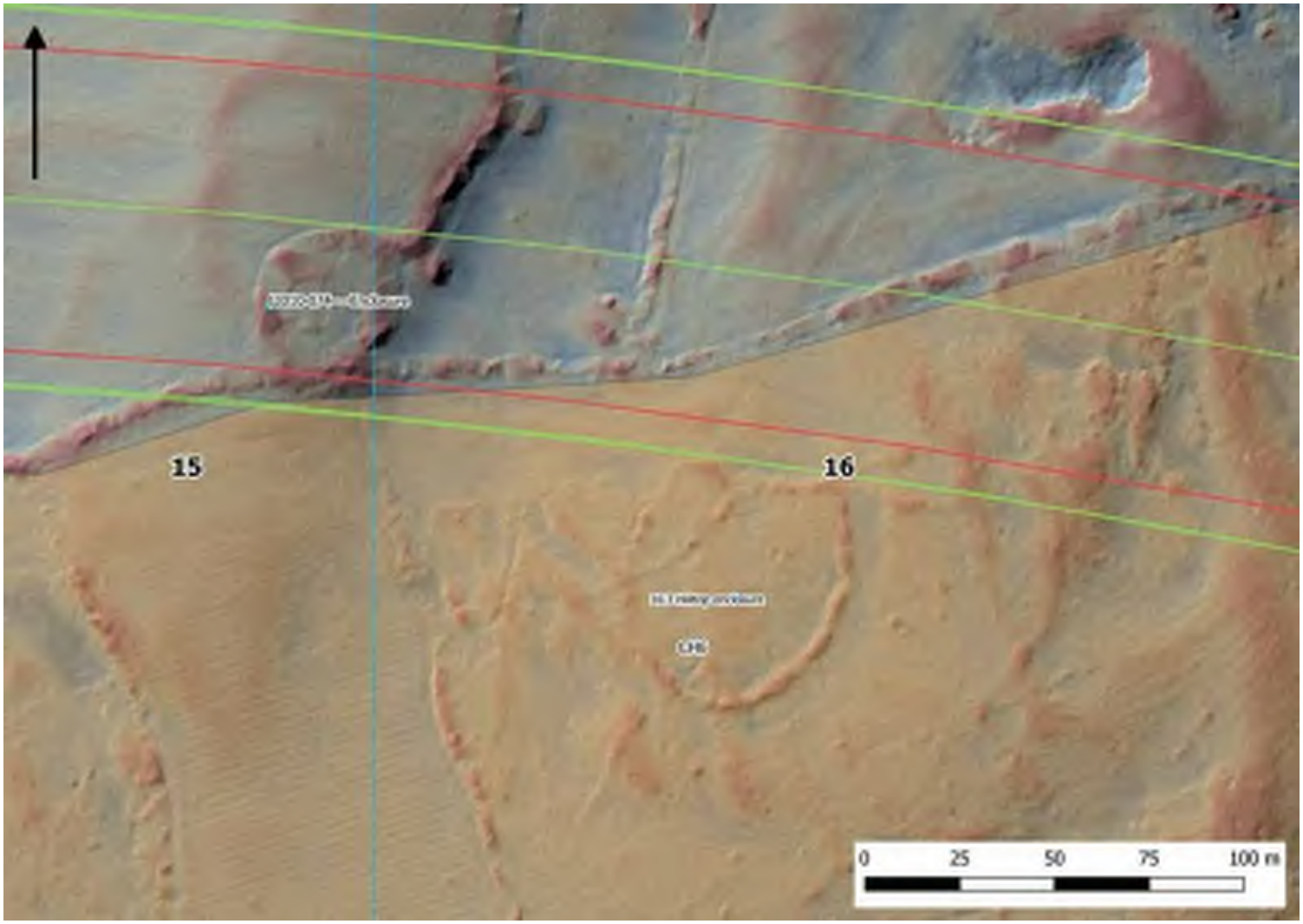


Feature 16.2. Small cashel, 23 m diameter with associated with field systems and enclosure 16.3. Scheme orthophotography. See also Fig. 24.

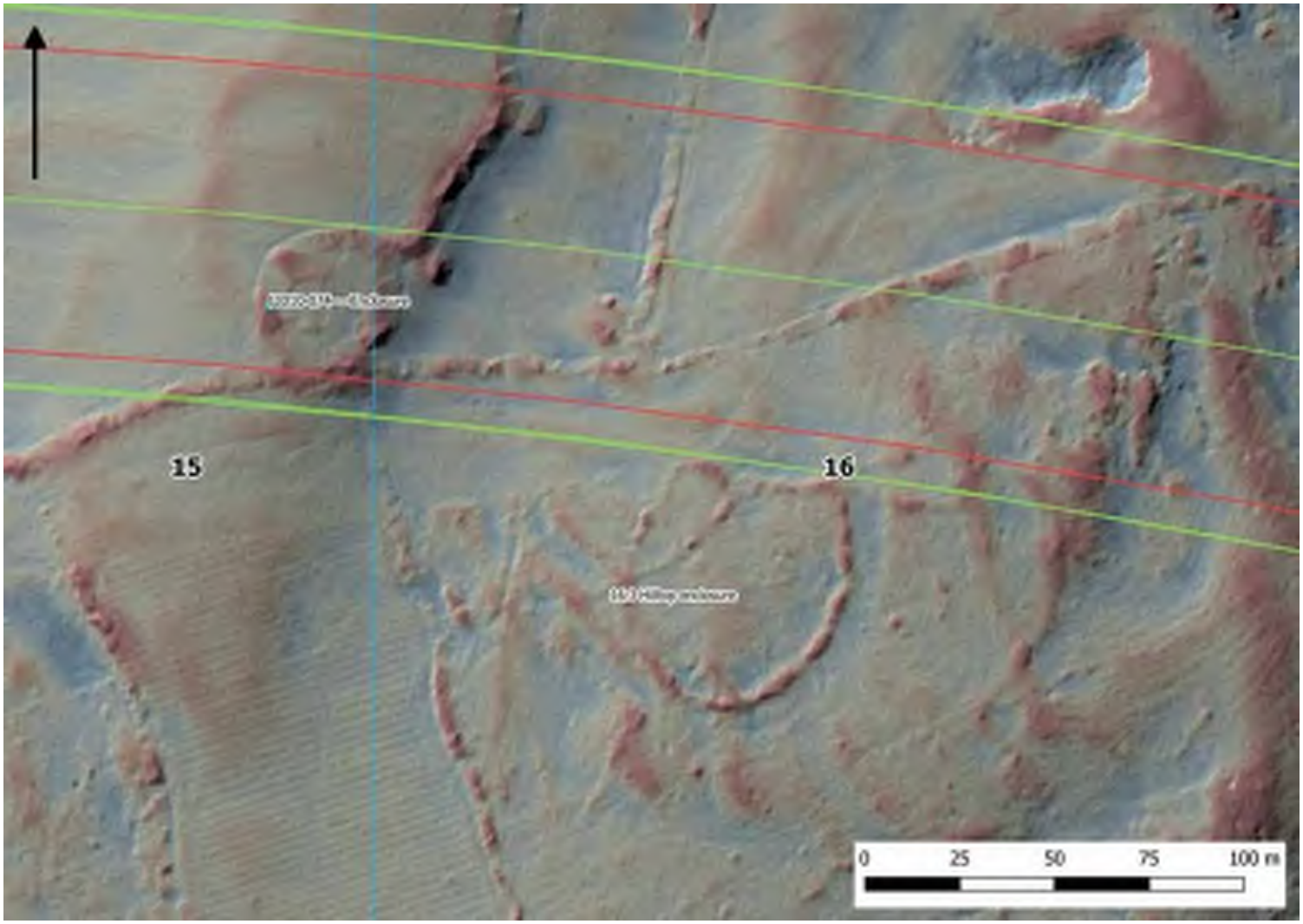


Feature 16.2. Small cashel, 23 m diameter with associated with field systems and enclosure 16.3. LRM over SVF image. See also Fig. 24.

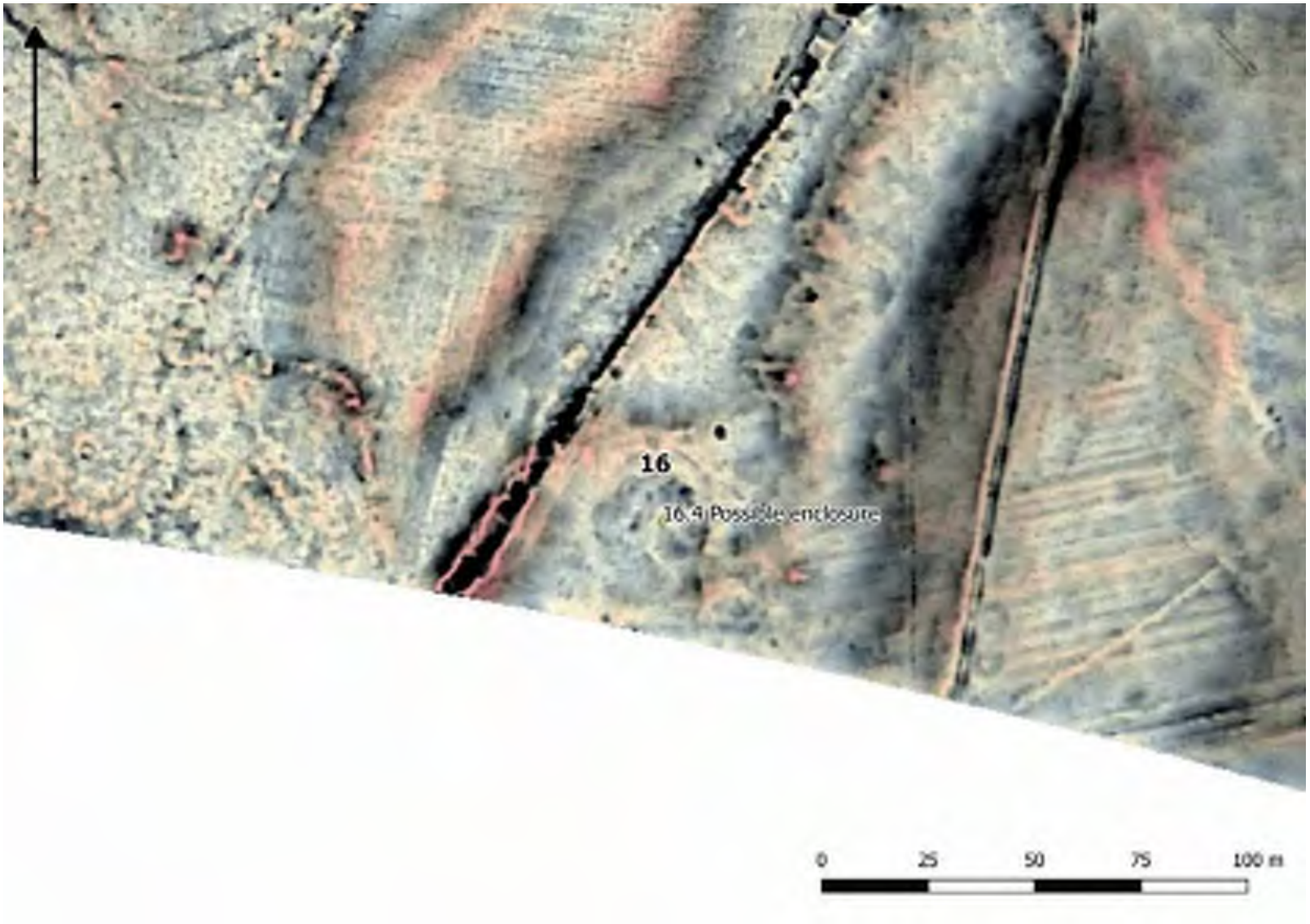
Feature 16.3. Large D-shaped enclosure, flattened to N, 60 m N-S, 50 m E-W. Associated with field boundaries but impossible to define order of construction without ground survey. Possible hollow-way to north. Scheme aerial photography. See also Fig. 24.



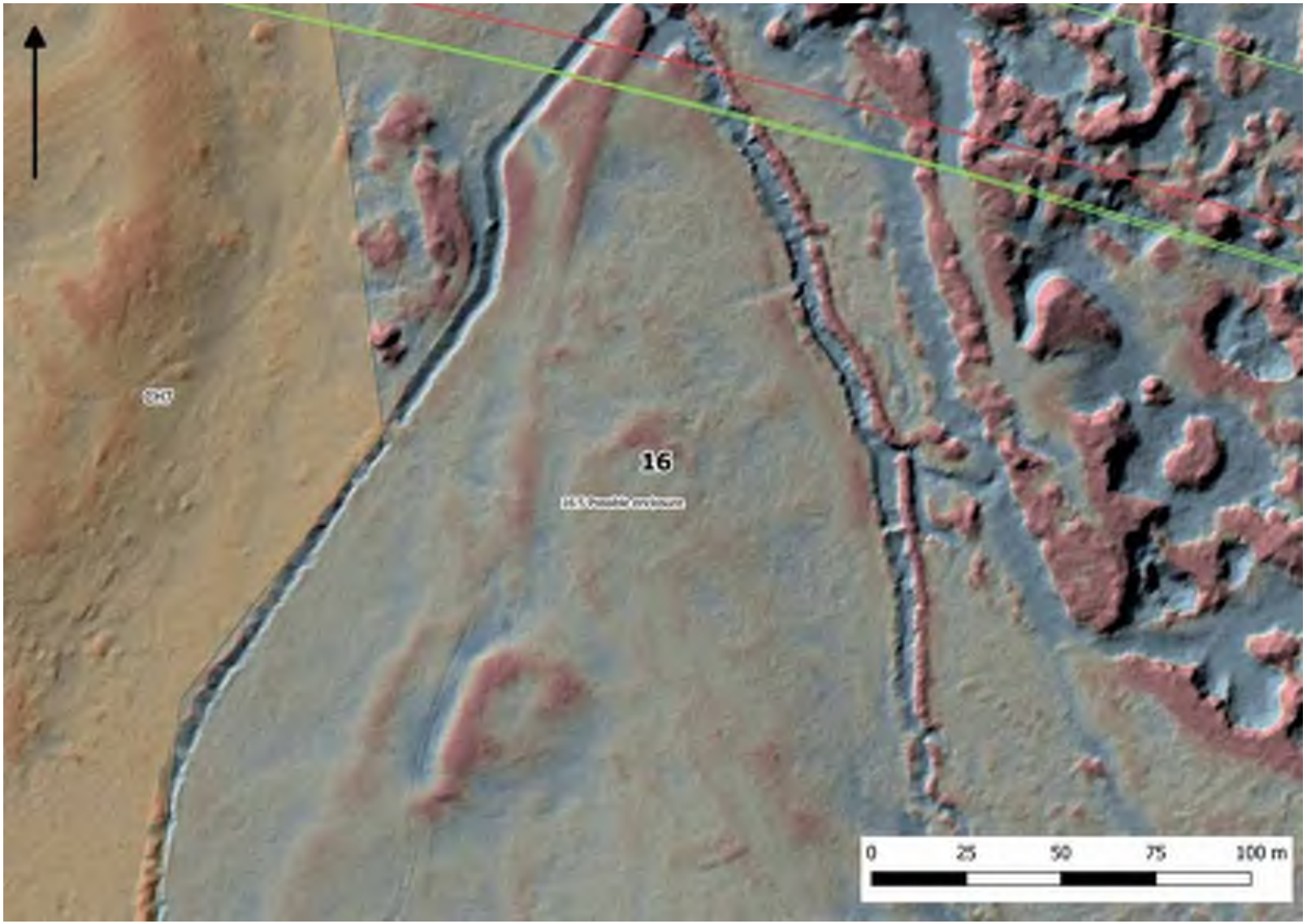
Feature 16.3. Large D-shaped enclosure, flattened to N, 60 m N-S, 50 m E-W with associated with field boundaries. Impossible to define order of construction without ground survey. Possible hollow-way to north. LRM over 16-direction hillshade. Orange shading denotes previously defined area of CH6. See also Fig. 24.



Feature 16.3. Large D-shaped enclosure, flattened to N, 60 m N-S, 50 m E-W with associated with field boundaries. Impossible to define order of construction without ground survey. Possible hollow-way to north. LRM over 16-direction hillshade. See also Fig. 24.

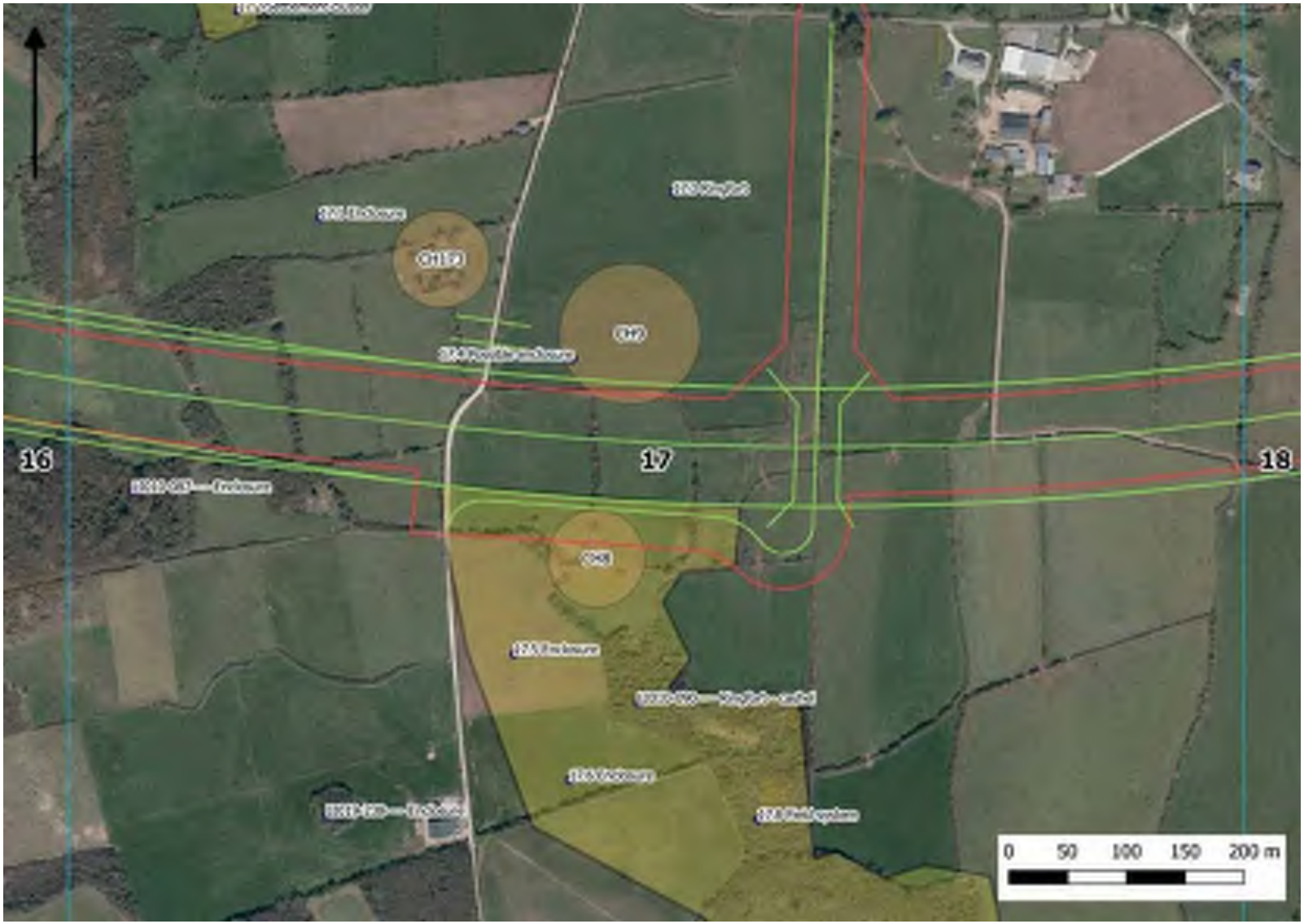


Feature 16.4. Possible enclosure, well-defined to north but potentially quarried to south. 28 m diameter. LRM over SVF image.

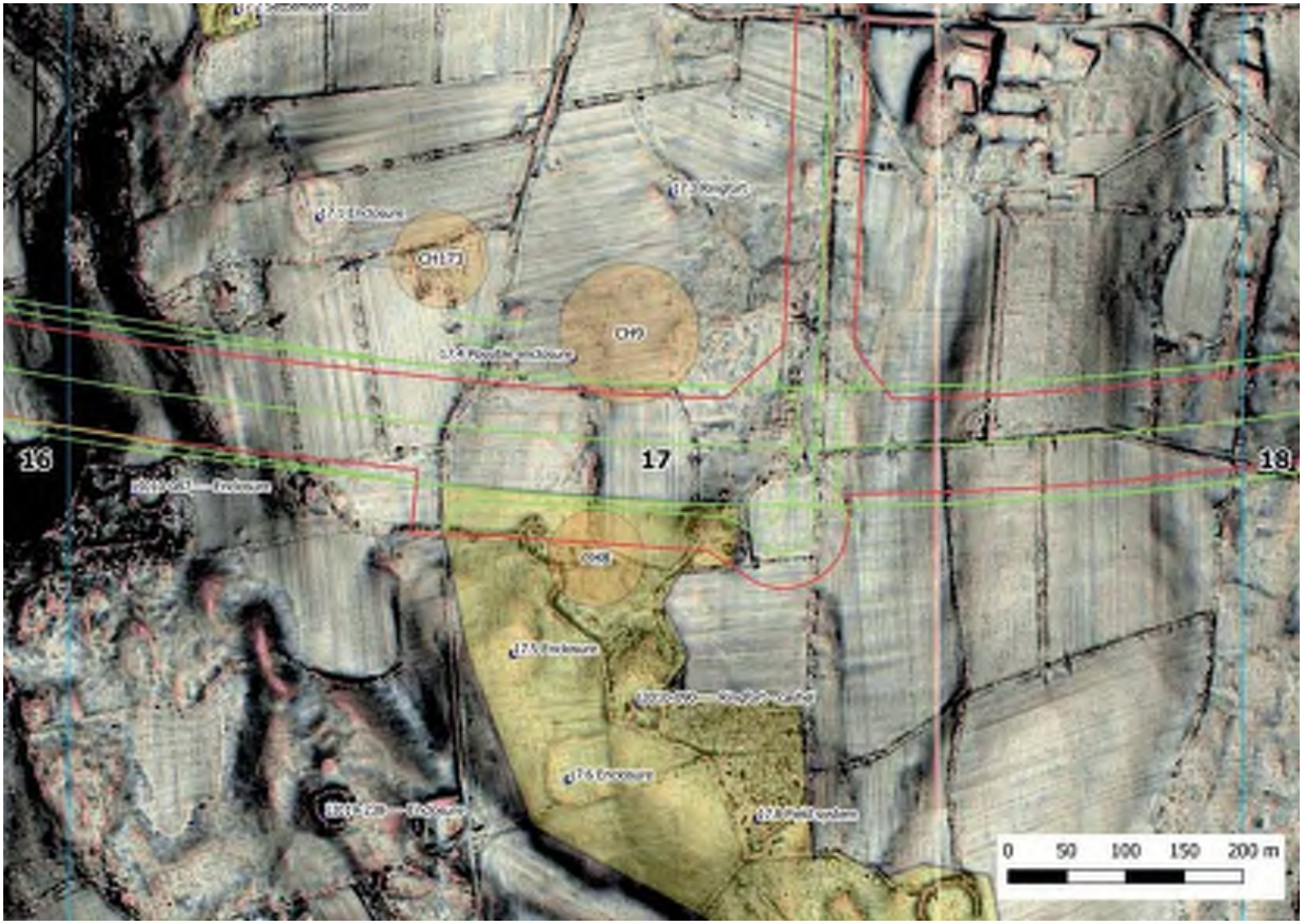


Feature 16.5. Possible oval enclosure, 31 x 20 m. LRM over 16-direction hillshade.

Grid 17

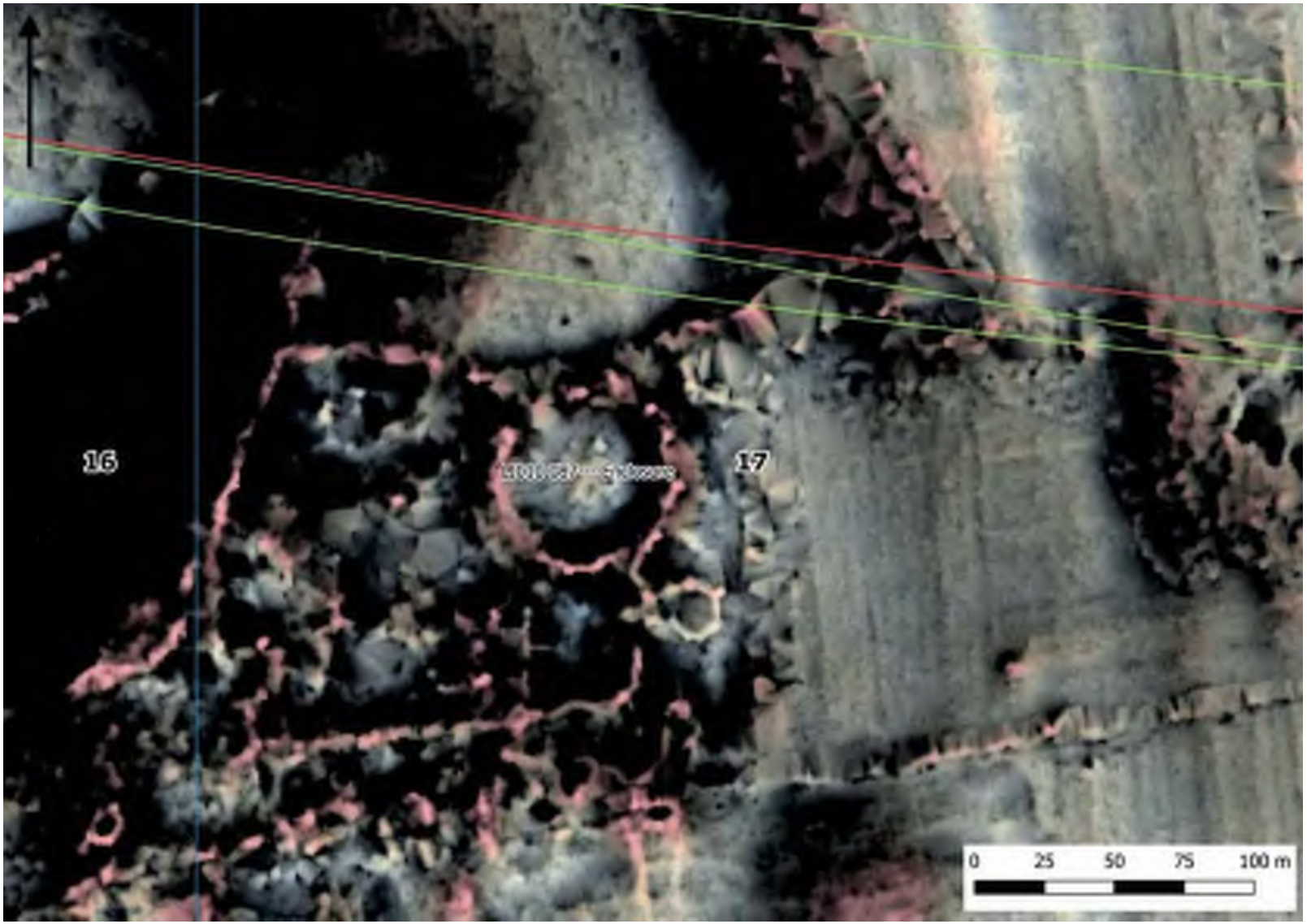


Grid 17, showing constraints CH8, CH9, CH173 and high priority area identified in this study. Scheme orthophotography.



Grid 17, showing constraints CH8, CH9, CH173 and high priority area identified in this study. LRM over SVF.

LI010-087 (AH10). Ringfort under heavy woodland. Possibly subsidiary structure to SE and associated field system to west. 31 m diameter. Scheme orthophotography.



LI010-087 (AH10). Ringfort under heavy woodland. Possibly subsidiary structure to SE and associated field system to west. 31 m diameter. LRM over SVF image.

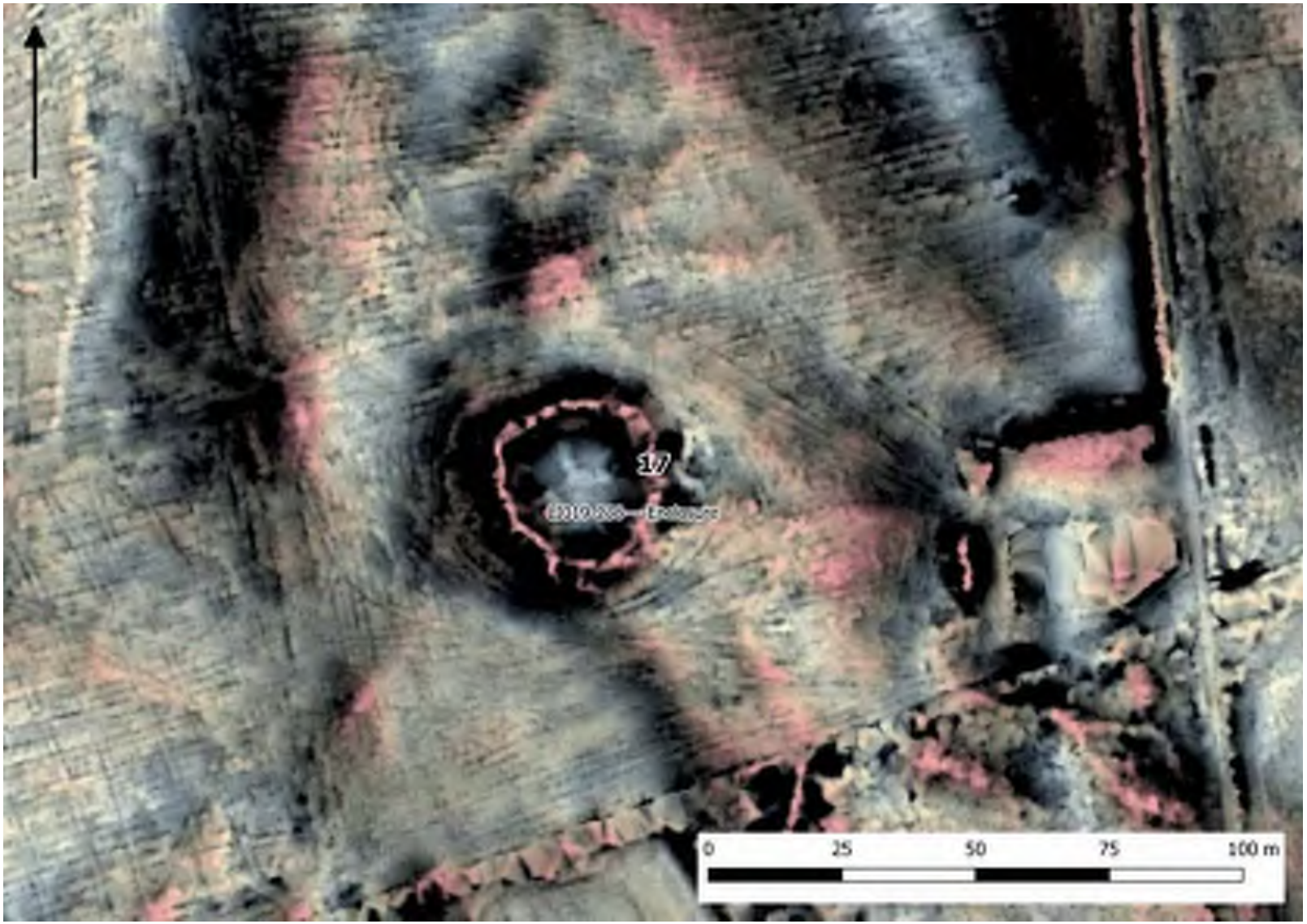
LI010-090. Plectrum-shaped enclosure under heavy woodland. Some suggestion of internal differentiation. Possibly associated with 17.6. 25.5 m diameter. Scheme orthophotography.

LI010-090. Plectrum-shaped enclosure under heavy woodland. Some suggestion of internal differentiation. Possibly associated with 17.6. 25.5 m diameter LRM over SVF image.

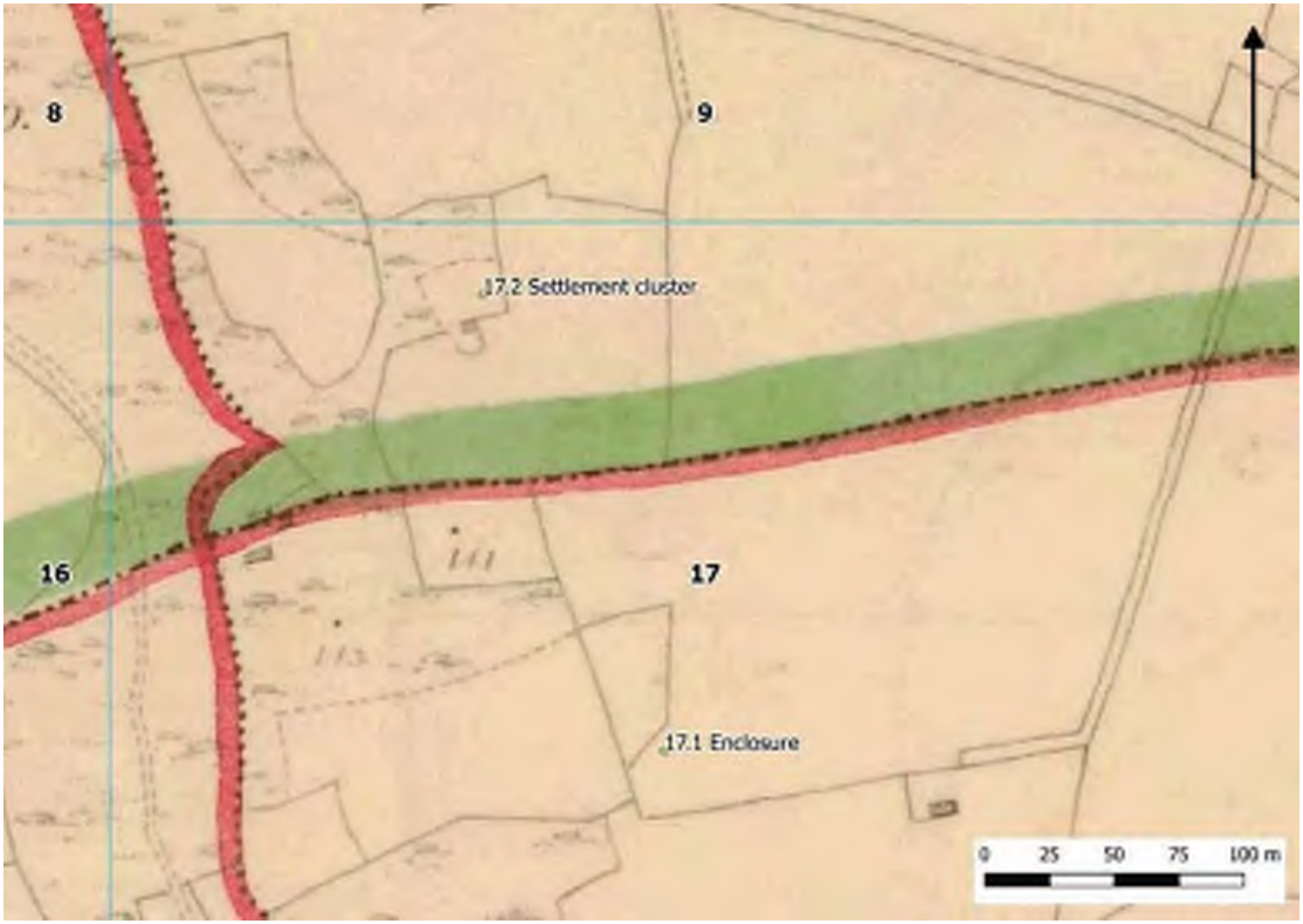
LI019-048. Substantial ringfort, 48 m diameter. Possible entrance to SE. Under heavy woodland. Scheme orthophotography.

LI019-048. Substantial ringfort, 48 m diameter. Possible entrance to SE. Under heavy woodland. LRM over SVF image.

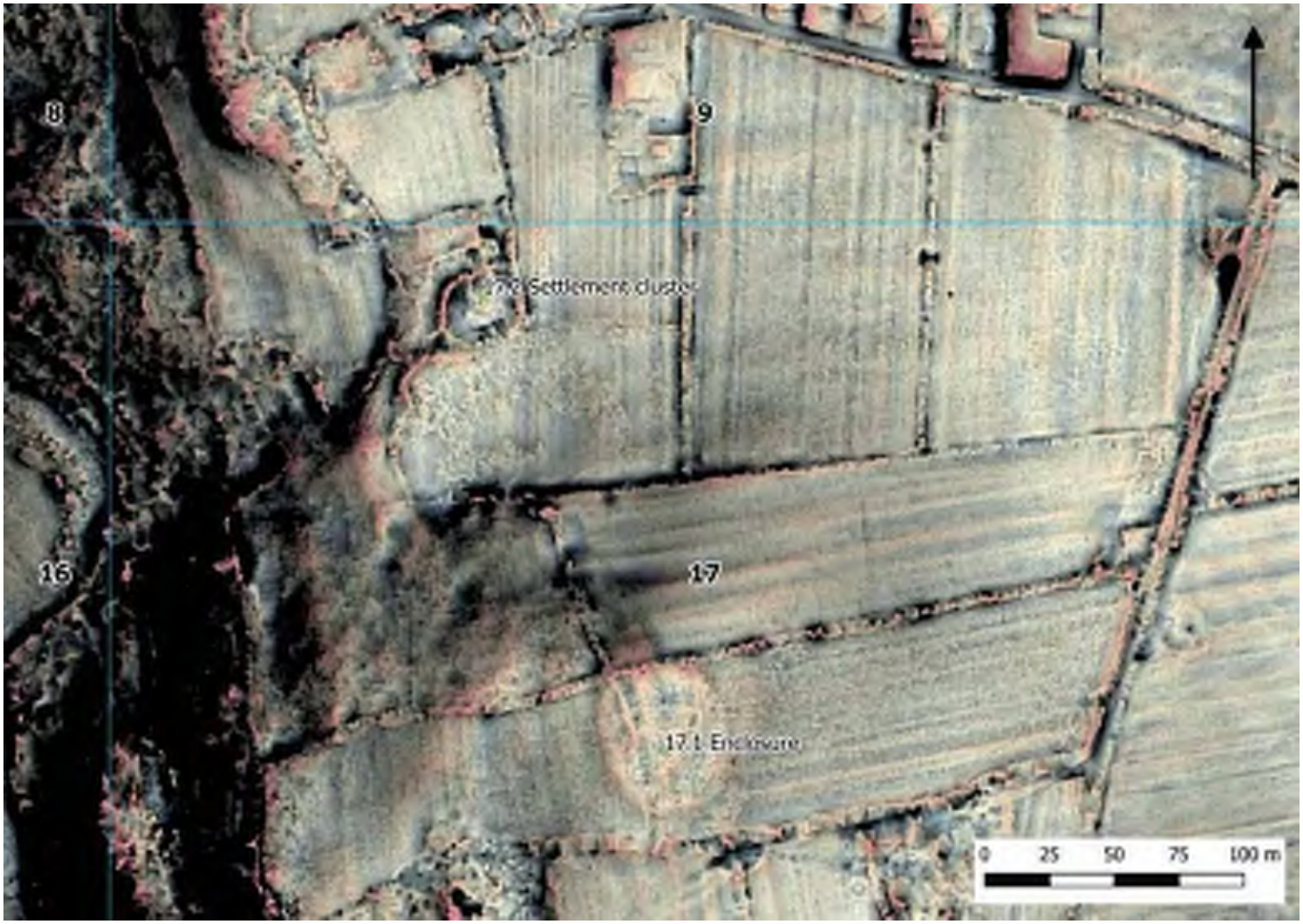
LI019-238. Ringfort, plectrum-shaped. Diameter 30 m. Under heavy woodland. Scheme orthophotography.



LI019-238. Ringfort, plectrum-shaped. Diameter 30m. Under heavy woodland. LRM over SVF image.



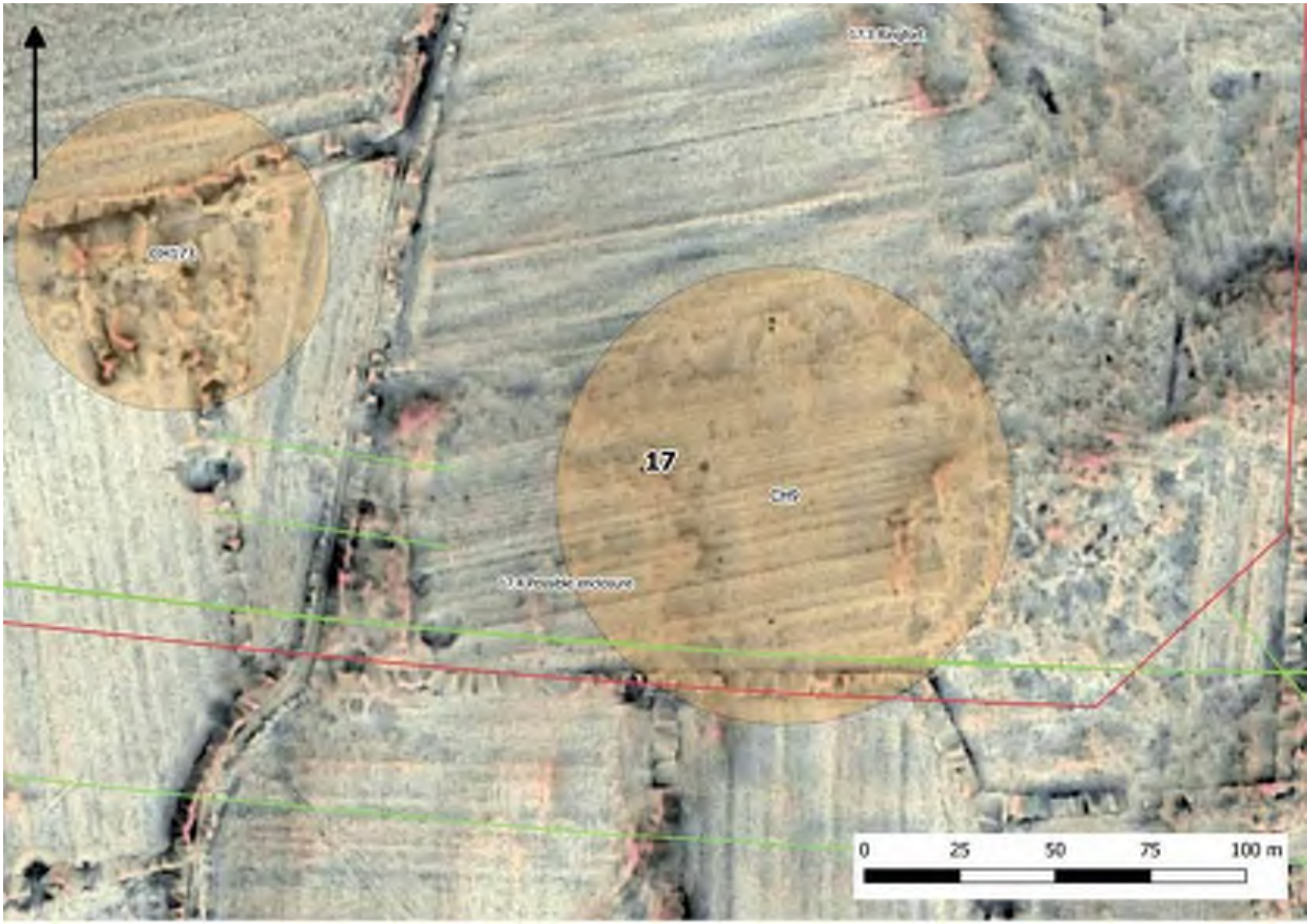
Feature 17.1. Large, oval enclosure defined by a low platform. 56 x 50 m. Probably a large ringfort.
Feature 17.2. Small settlement/farmstead. Visible in 6-inch mapping. Curving bank may be part of earlier ringfort, 30 m diameter. Visible in 6-inch mapping



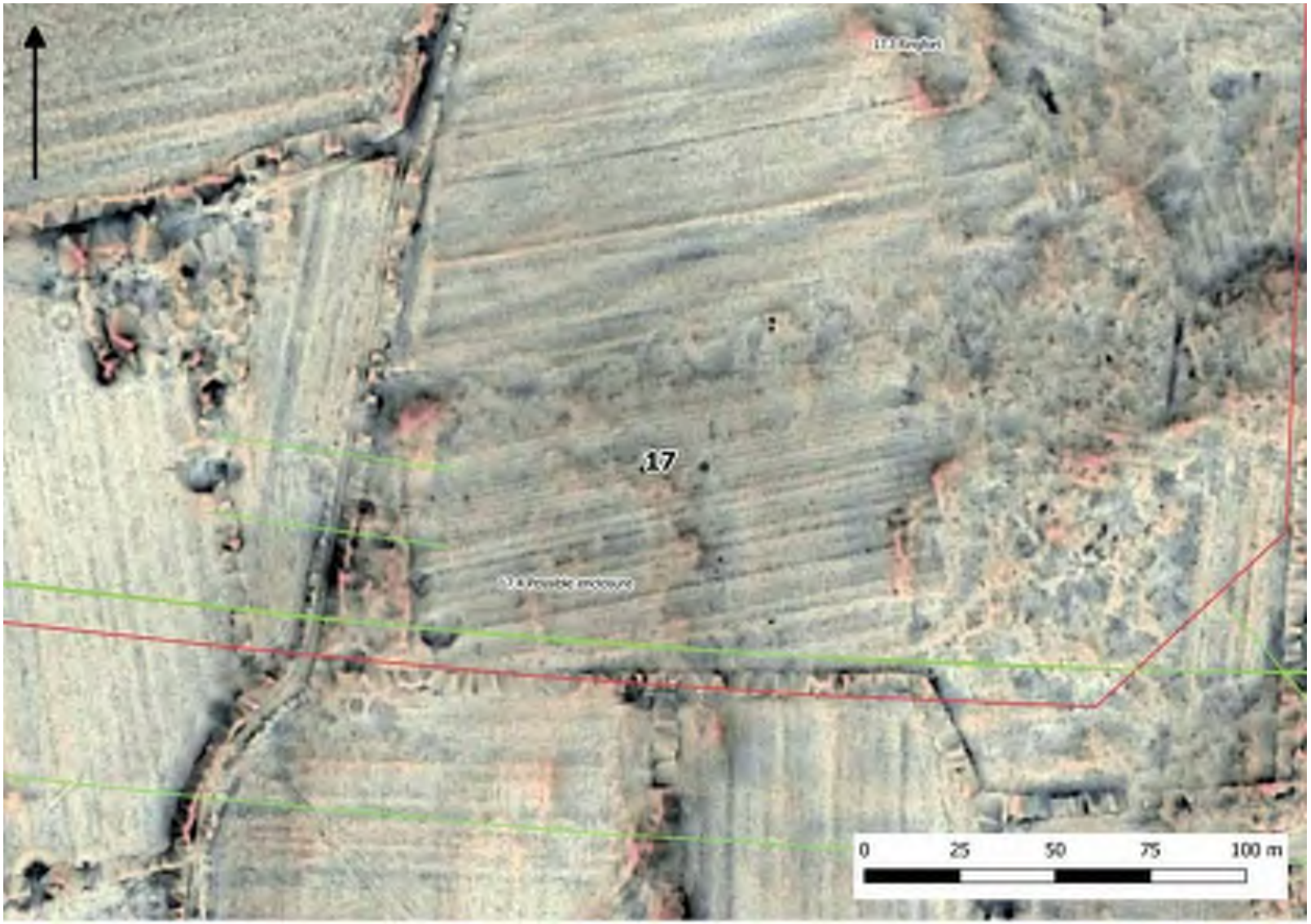
Feature 17.1. Large, oval enclosure defined by a low platform. 56 x 50 m. Probably a large ringfort.
Feature 17.2. Small settlement/farmstead. Visible in 6-inch mapping. Curving bank may be part of earlier ringfort, 30 m diameter. LRM over SVF image.

Feature 17.3. Substantial possible ringfort, somewhat flattened/damaged to SW. 38 x 22 m diameter. LRM over SVF image.

Feature 17.4. Low profile rectangular enclosure, 25 m E-W, 40.5 m N-S. Scheme orthrophotography.



Feature 17.4. Low profile rectangular enclosure, 25 m E-W, 40.5 m N-S. Orange shading denotes previously defined area of CH9.



Feature 17.4. Low profile rectangular enclosure, 25 m E-W, 40.5 m N-S. LRM over SVF image.

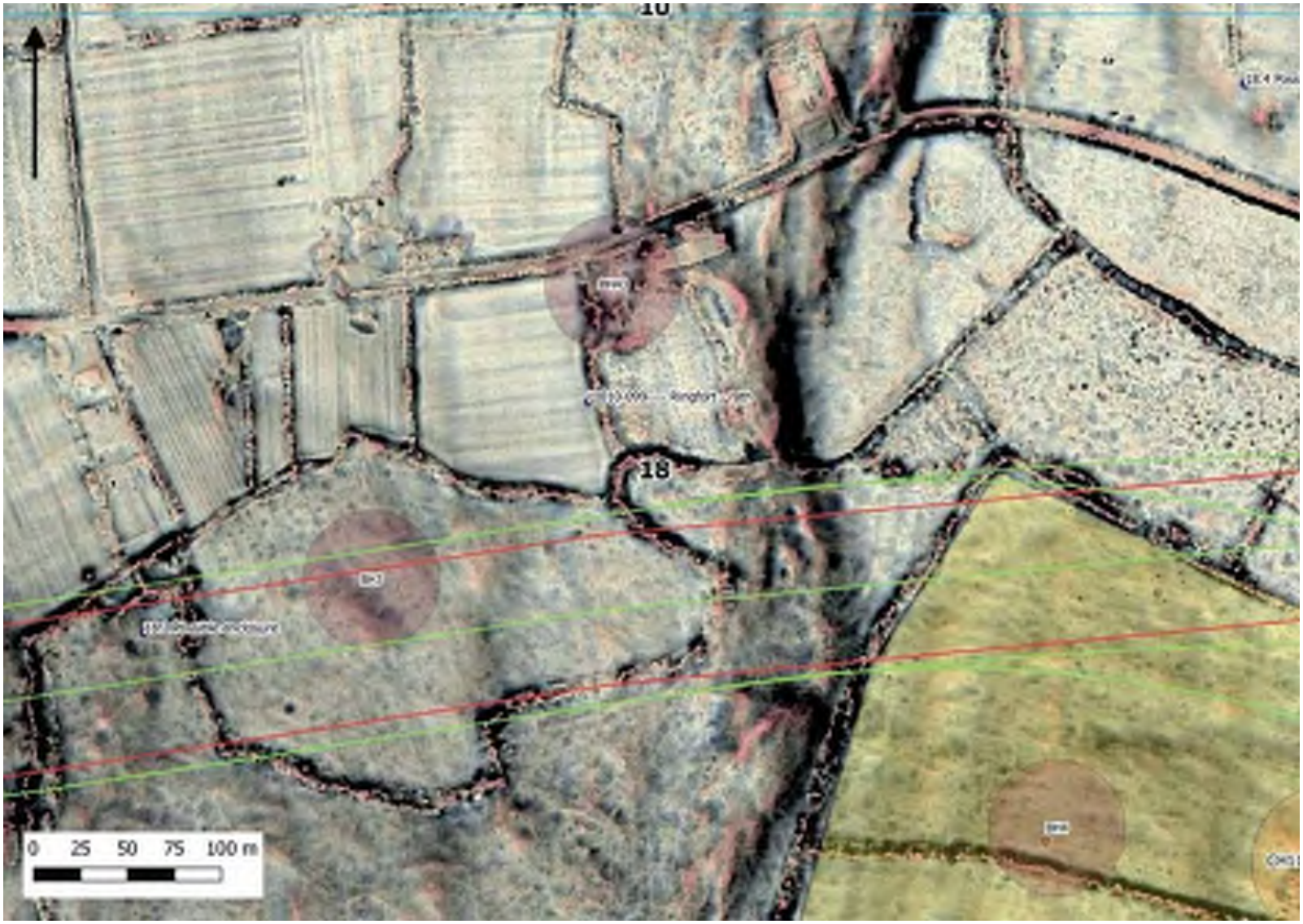
Feature 17.5. Flattened terrace, possible natural feature with modification. 35 x 35 m;
Feature 17.6. Possible field system, associated with LI010-090. Sub-rectangular, 48 x 33 m. Truncated to east;
Feature 17.8. Field system under dense woodland, possibly incorporating ringfort, 43 m diameter. LRM over SVF image. See also Fig. 12.

Feature 17.5. Flattened terrace, possible natural feature with modification. 35 x 35 m;
Feature 17.6. Possible field system, associated with LI010-090. Sub-rectangular, 48 x 33 m. Truncated to east;
Feature 17.8. Field system under dense woodland, possibly incorporating ringfort, 43 m diameter. Scheme orthophotography. See also Fig. 12.

Feature 17.7. Rectangular platform in dense woodland. 38 m NW-SE x 25 m NE-SW;
Feature 17.8. Field system under dense woodland, possibly incorporating ringfort, 43 m diameter. LRM over SVF image. See also Fig. 12.

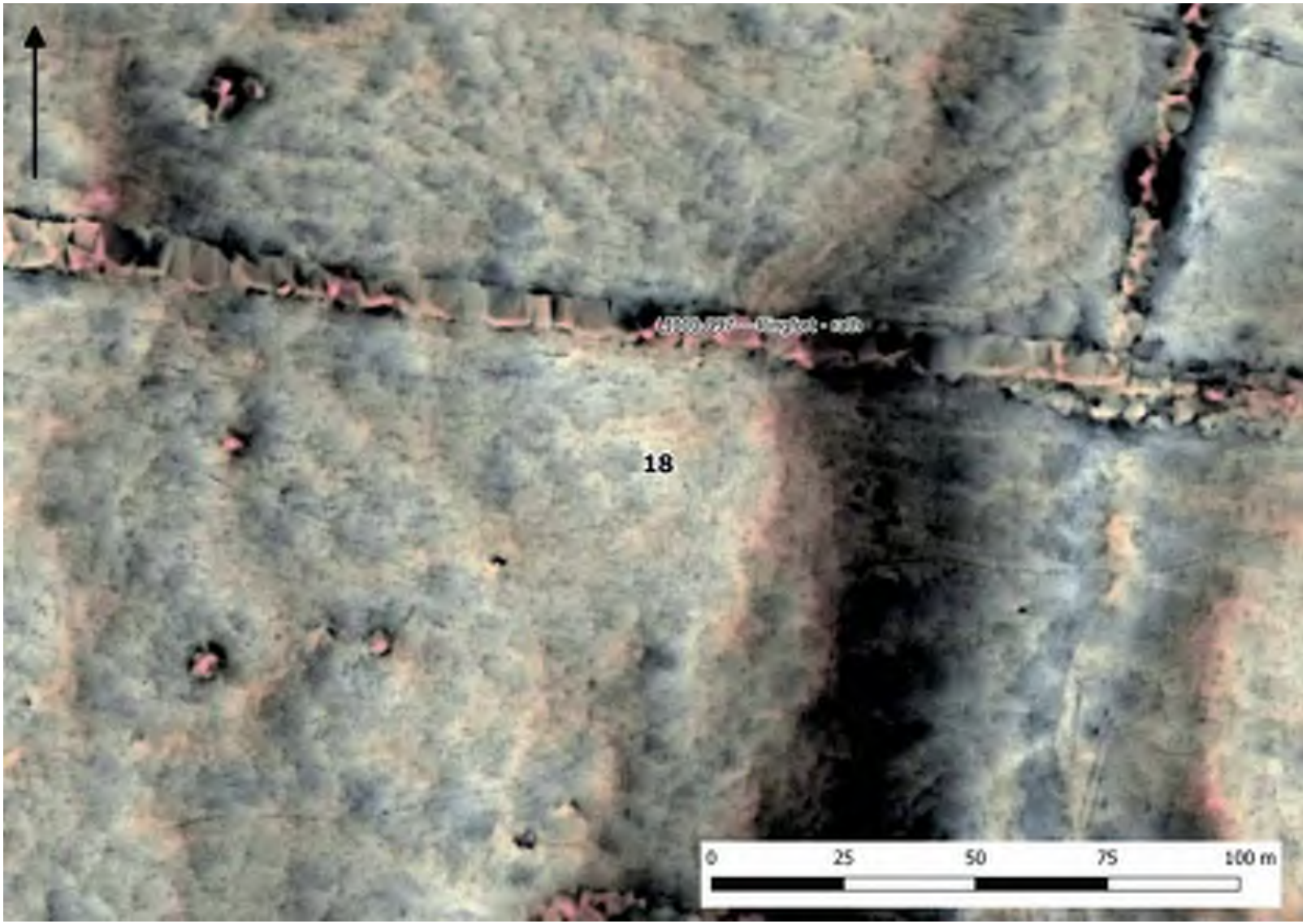
Grid 18

Grid 18 overview showing constraints BH3, BH4, BH43 and part of CH11. Scheme orthophotography.



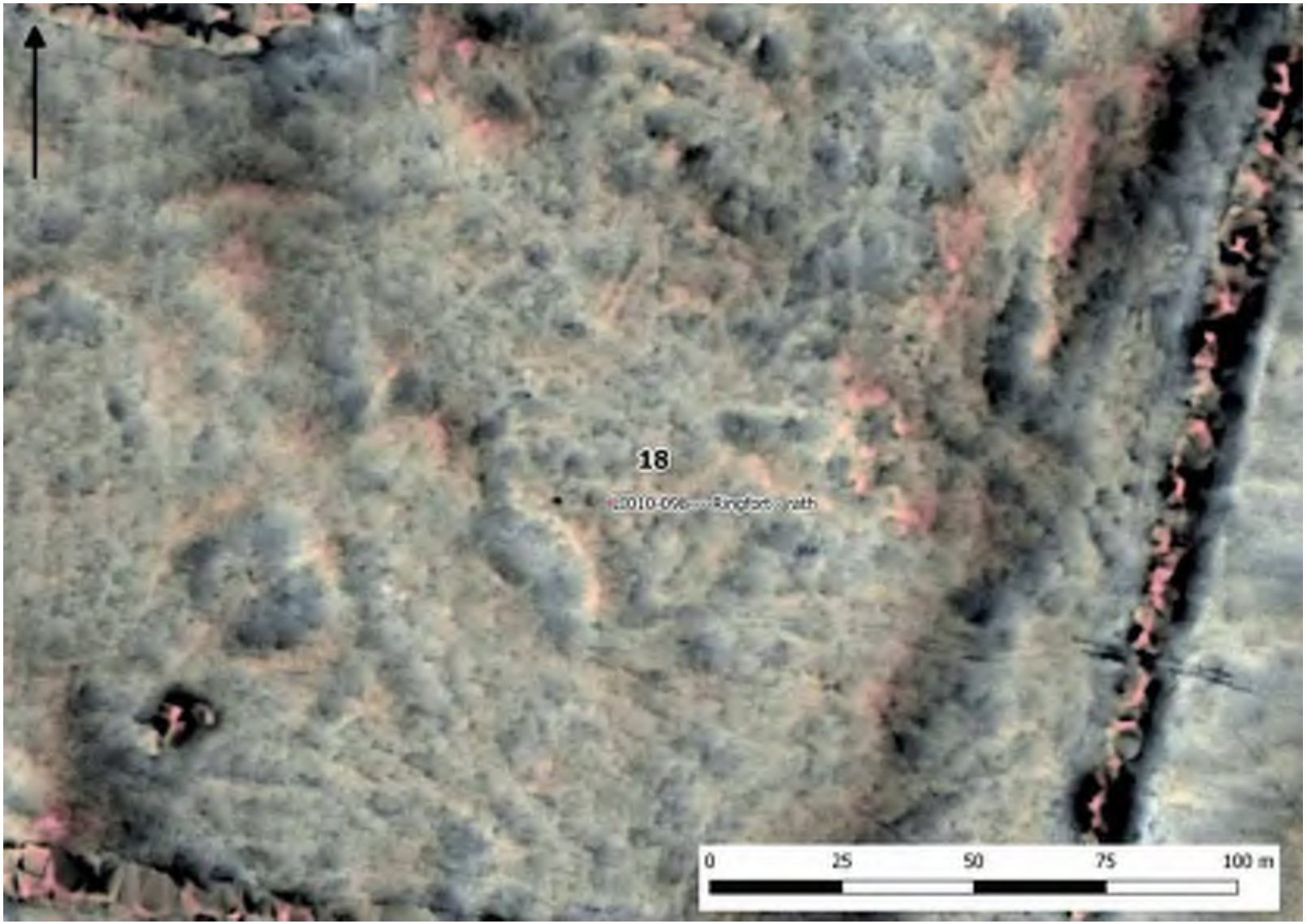
Grid 18 overview showing constraints BH3, BH4, BH43 and part of CH11. LRM over SVF.

LI010-097 (AH15). No visible trace of the site remains. 6 inch mapping shows enclosure 20 m diameter.

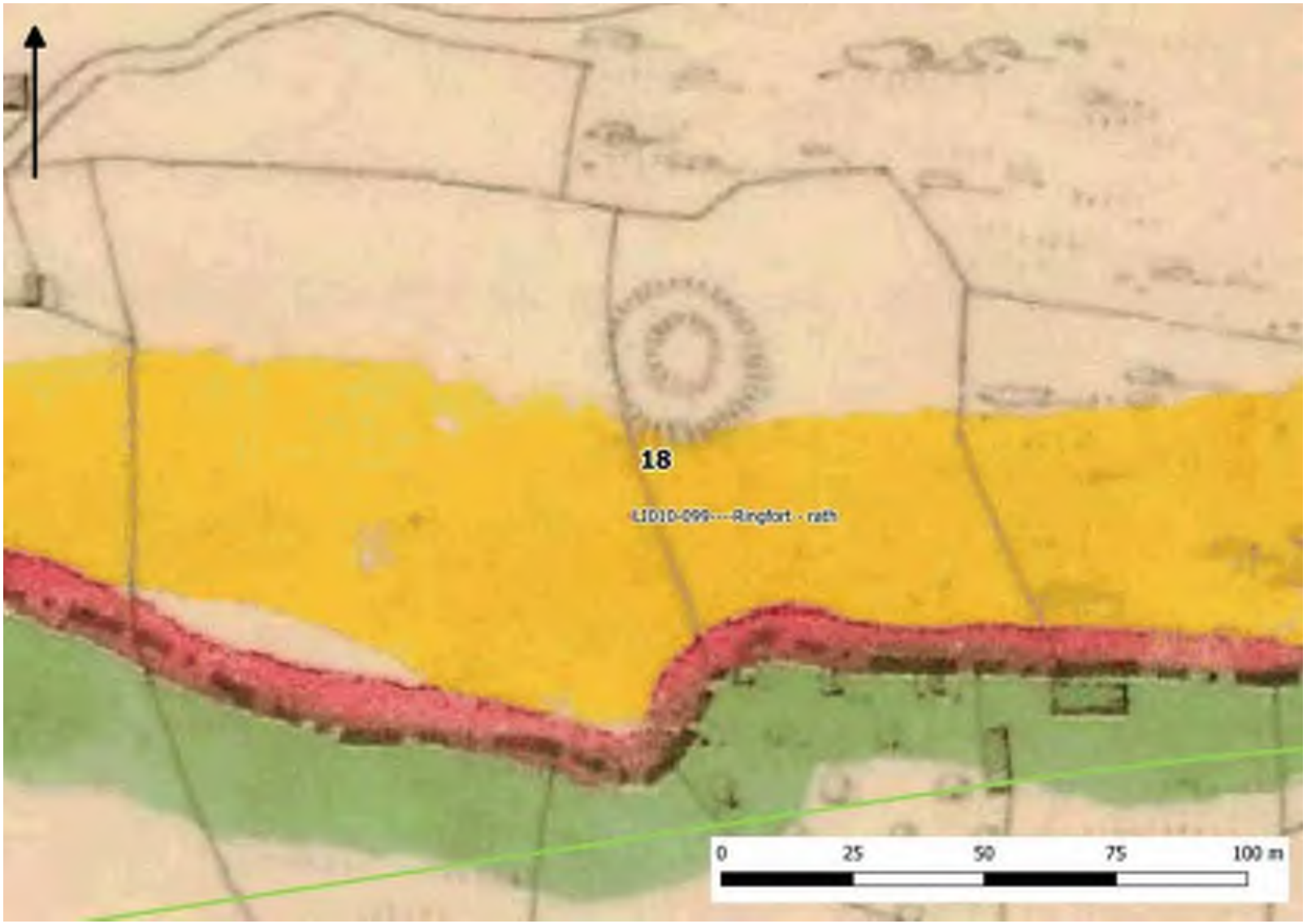


LI010-097 (AH15). No visible trace of the site remains. 6 inch mapping shows enclosure 20 m diameter. LRM over SVF image.

LI010-098 (AH14). Little indication at location suggested by RMP. Possible curving parchmark in AP, but no topographic expression. Scheme orthophotography.

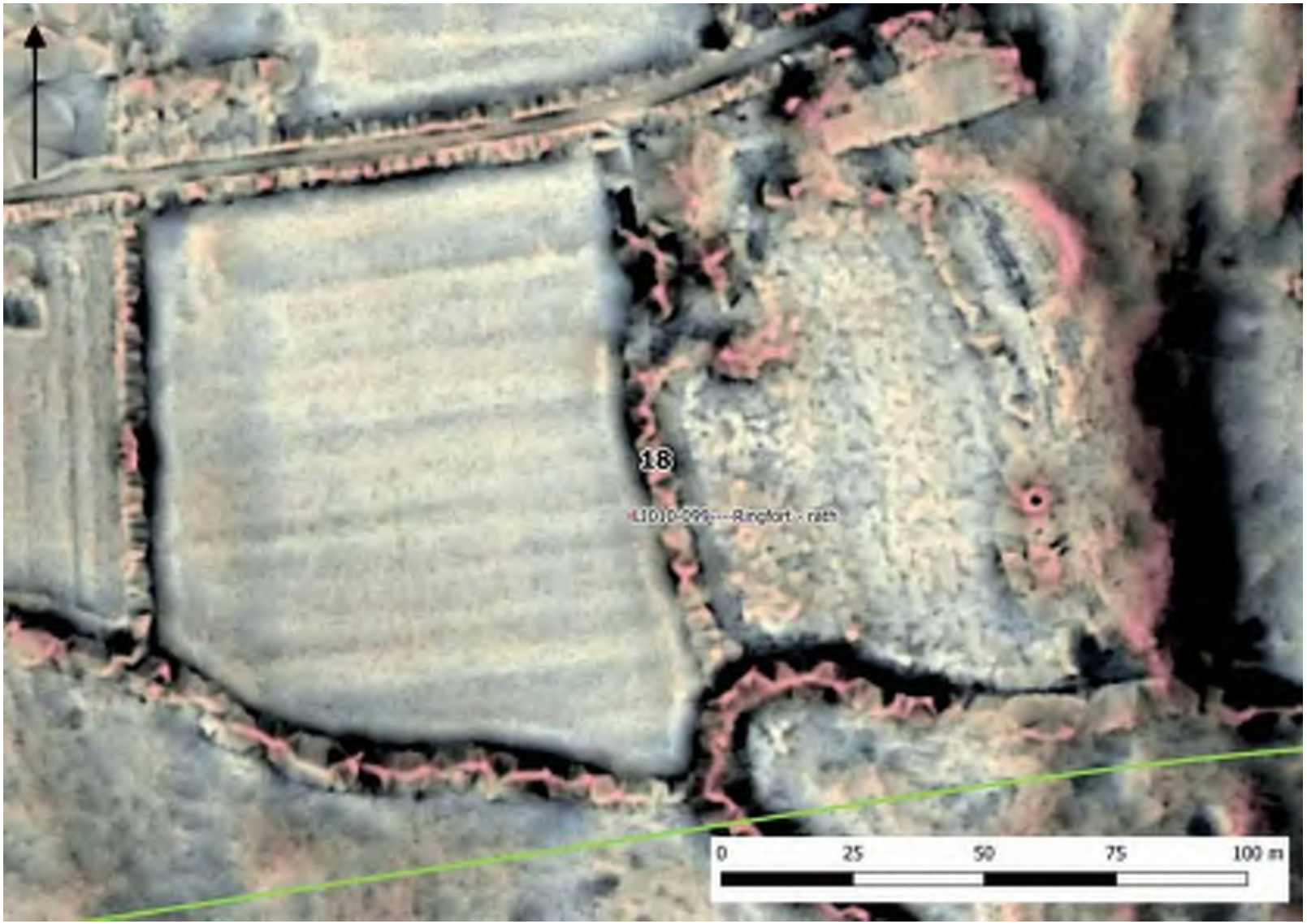


LI010-098 (AH14). Little indication at location suggested by RMP. Possible curving parchmark in AP, but no topographic expression. LRM over SVF image.



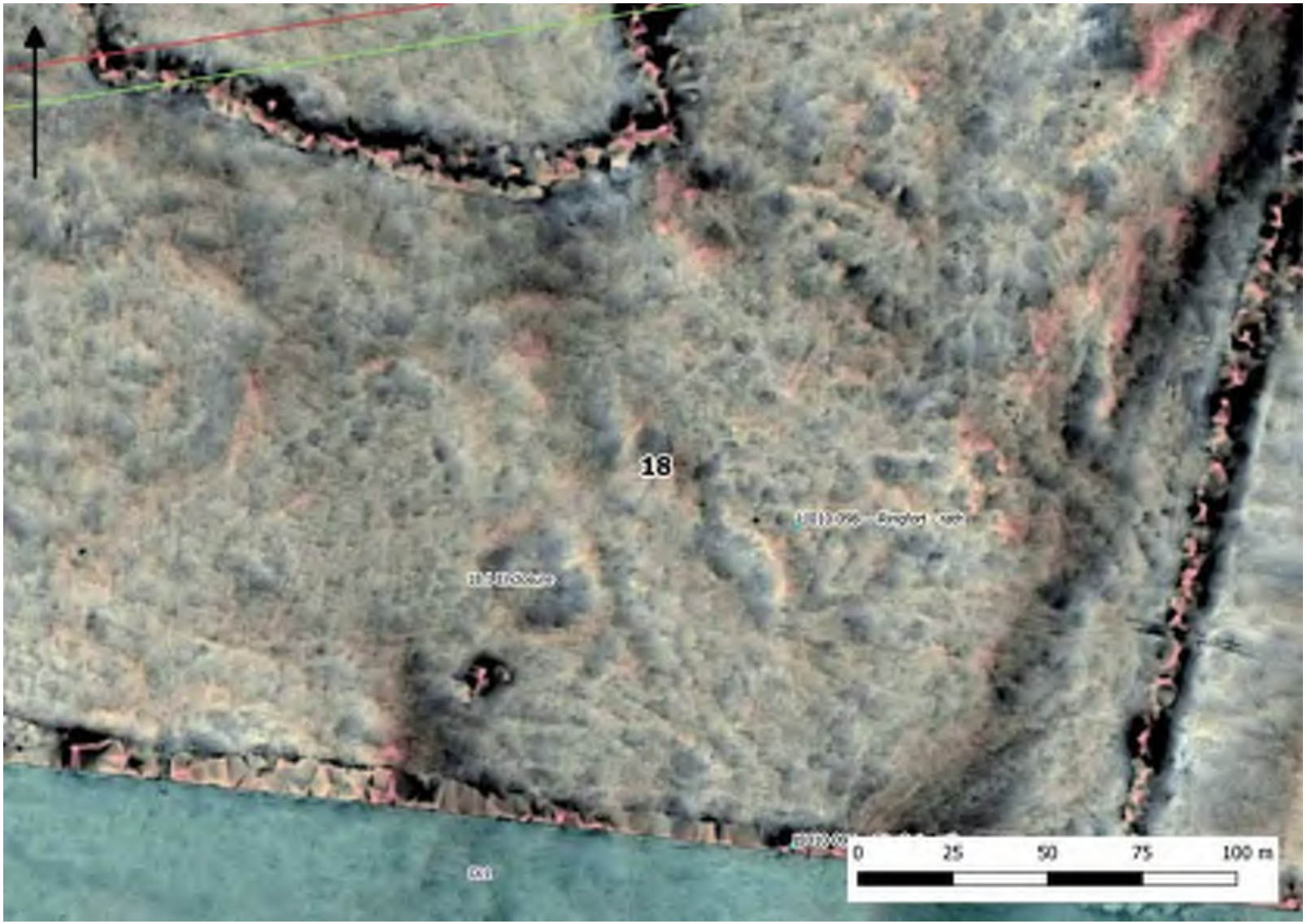
LI010-099 (AH13). No indications at location indicated by RMP; however, possibly remaining in location suggested by 6-inch map.

LI010-099 (AH13). No indications at location indicated by RMP; however, possibly remaining in location suggested by 6-inch map. Scheme orthophotography.



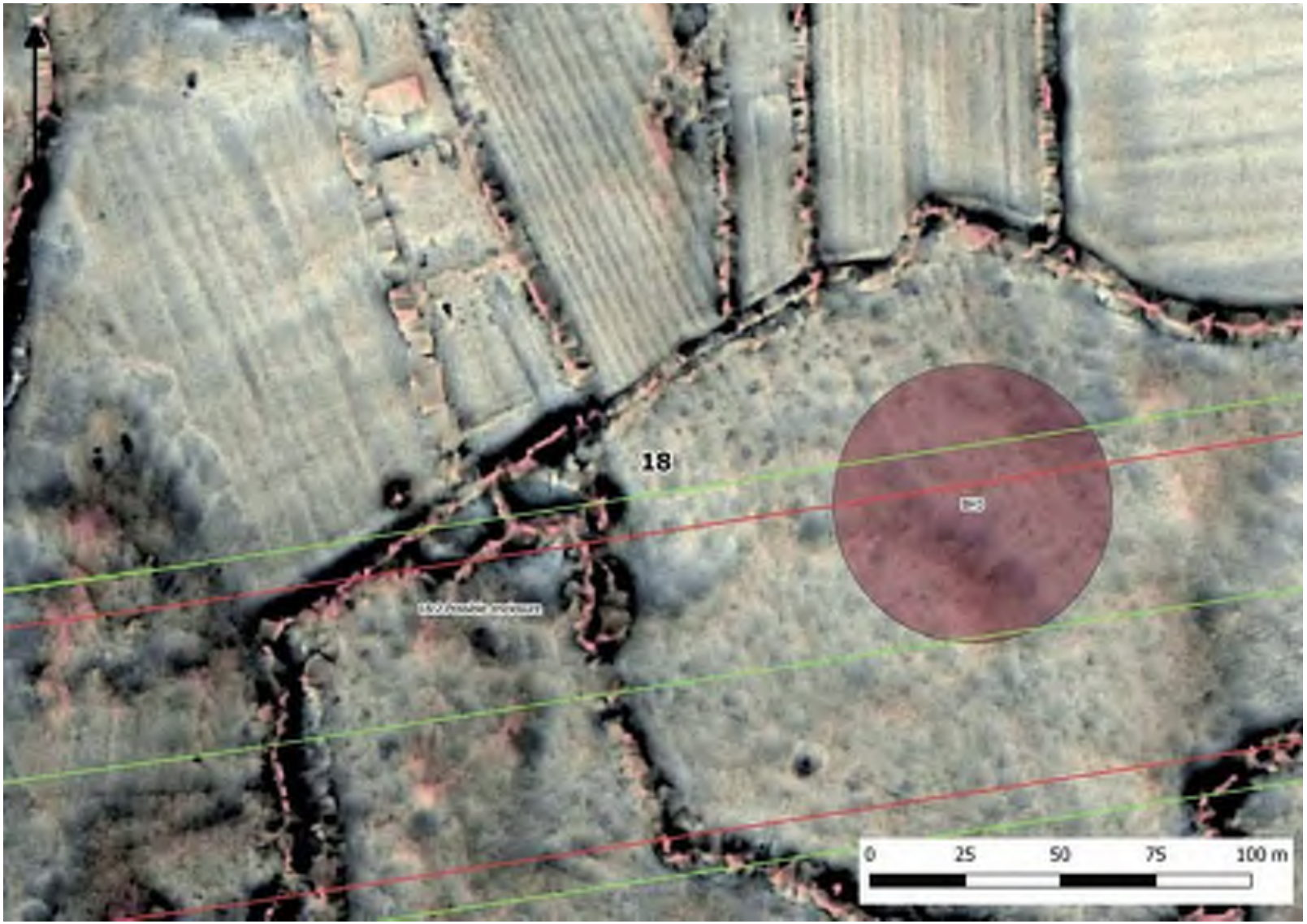
LI010-099 (AH13). No indications at location indicated by RMP; however, possibly remaining in location suggested by 6-inch map. LRM over SVF image.

Feature 18.1. Probable ringfort, 29 m diameter. May be LI010-098 but mis-recorded. 6-inch series.

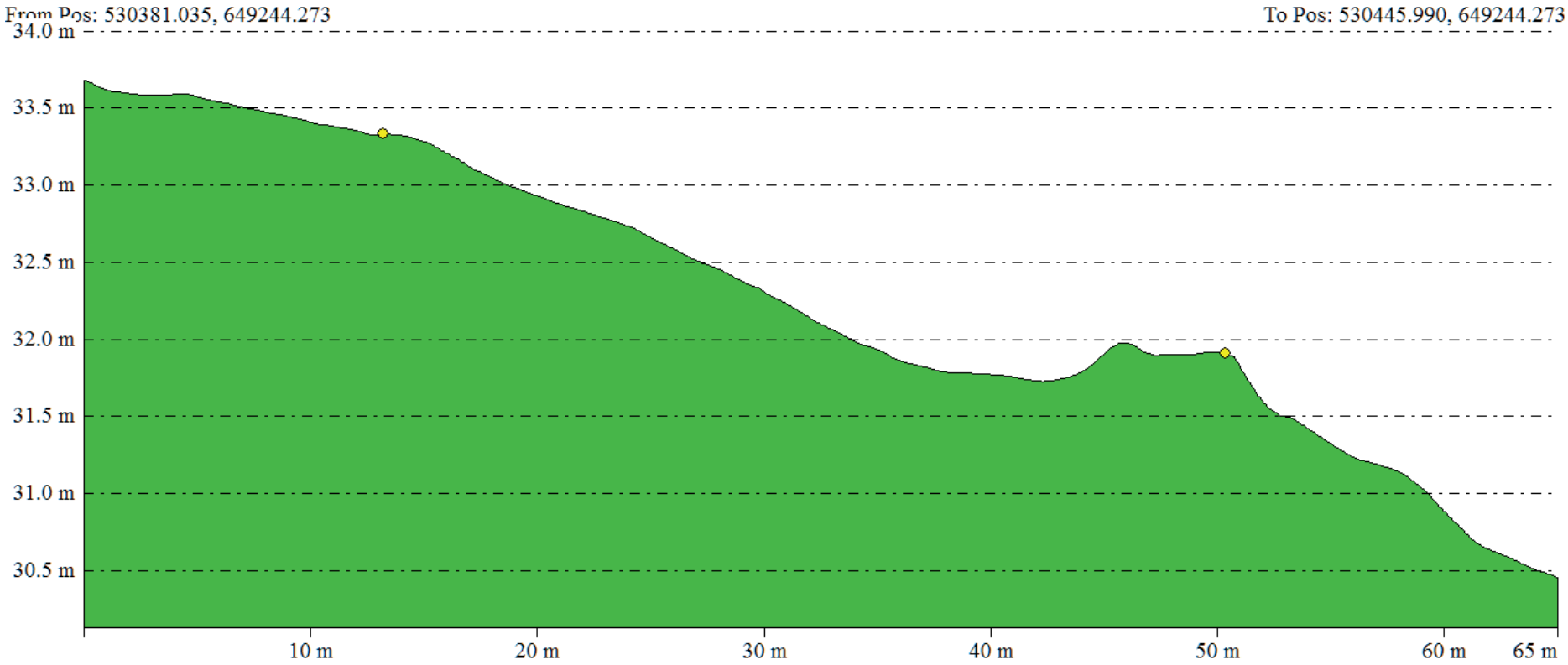


Feature 18.1. Probable ringfort, 29 m diameter. May be LI010-098 but mis-recorded. LRM over SVF image.

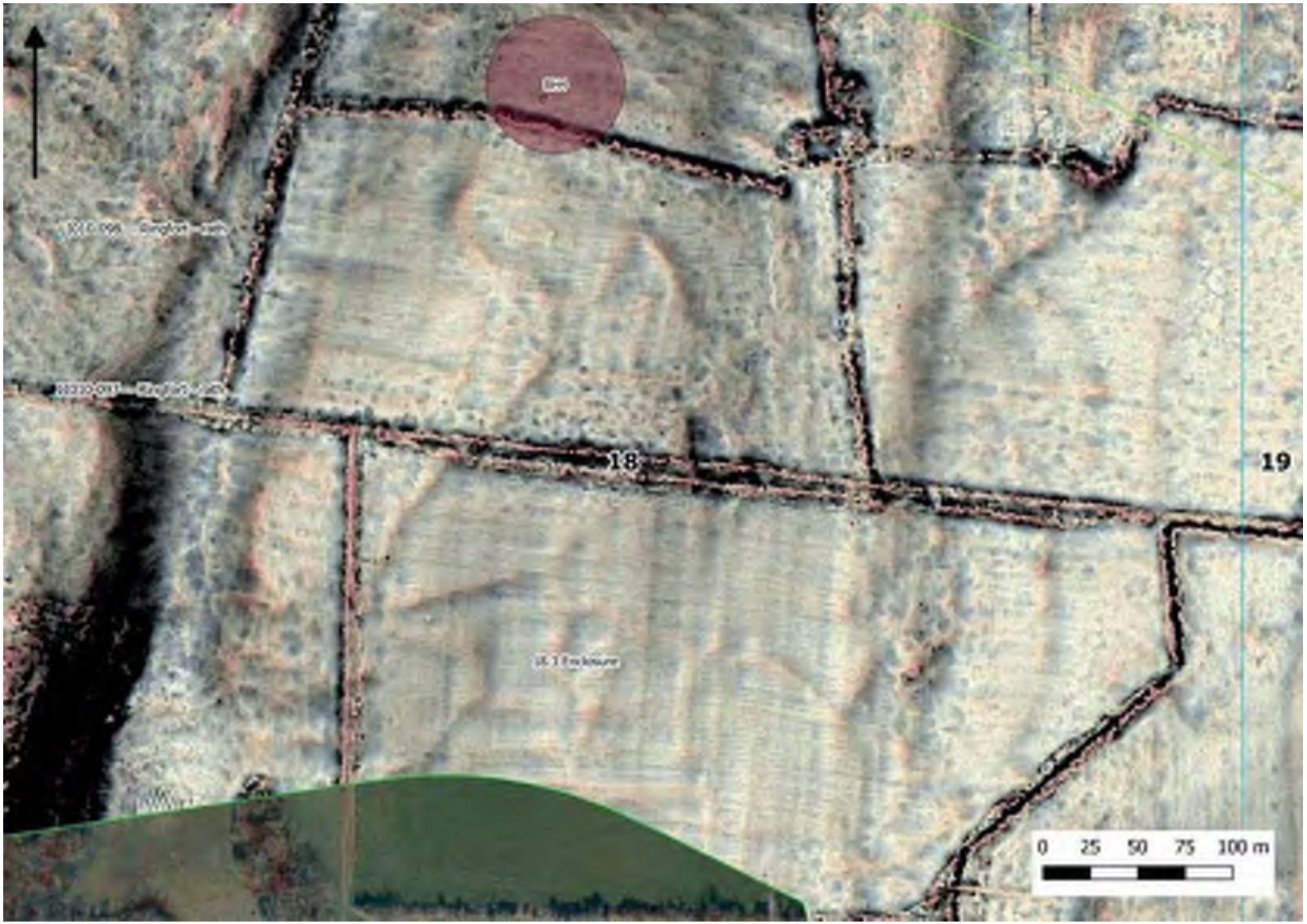
Feature 18.2. Possible enclosure/farmstead, 39 m diameter. May be part of a ringfort. Scheme orthophotography.



Feature 18.2. Possible enclosure/farmstead, 39 m diameter. May be part of a ringfort. LRM over SVF image.

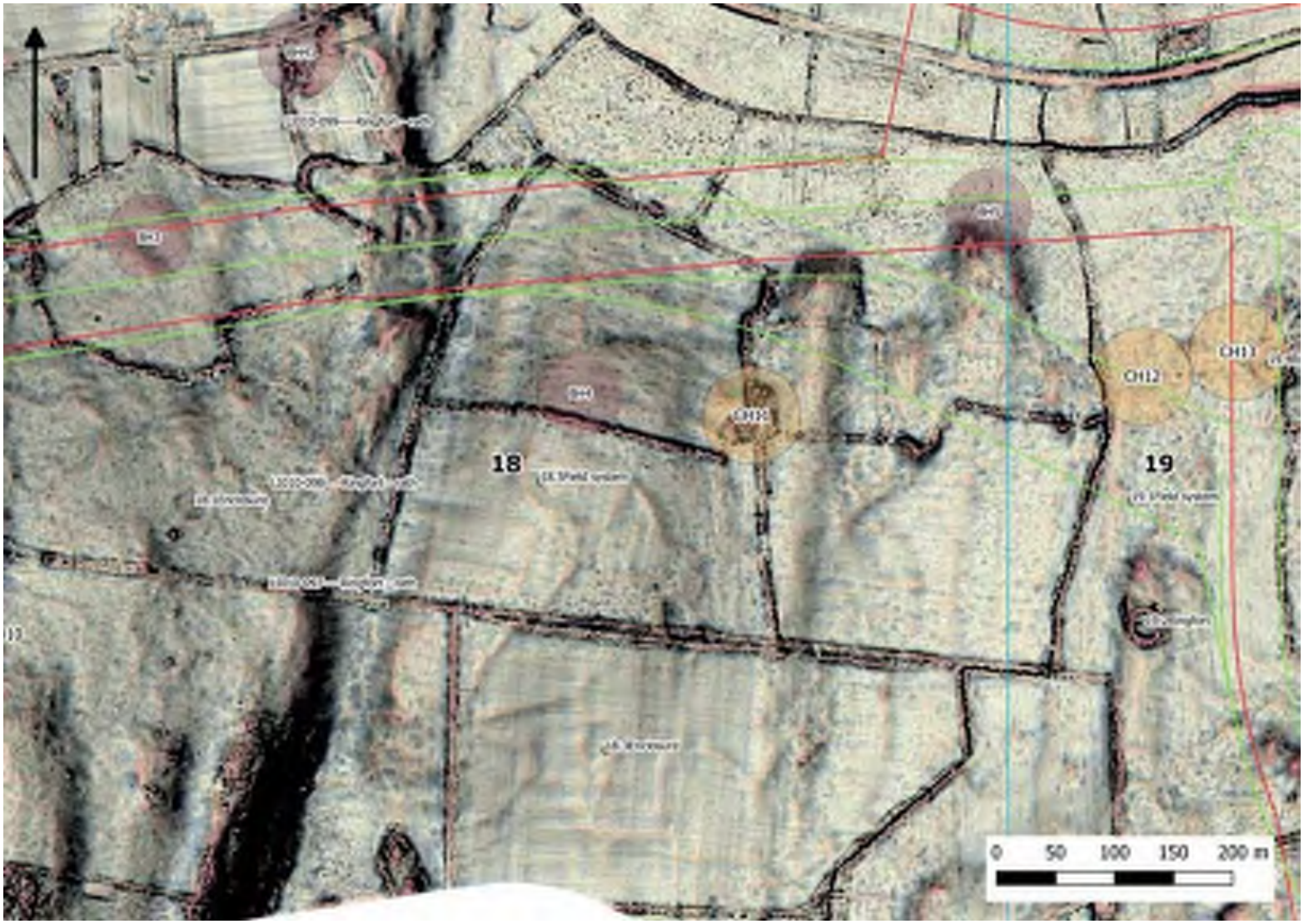


Feature 18.2. West-East profile of enclosure.

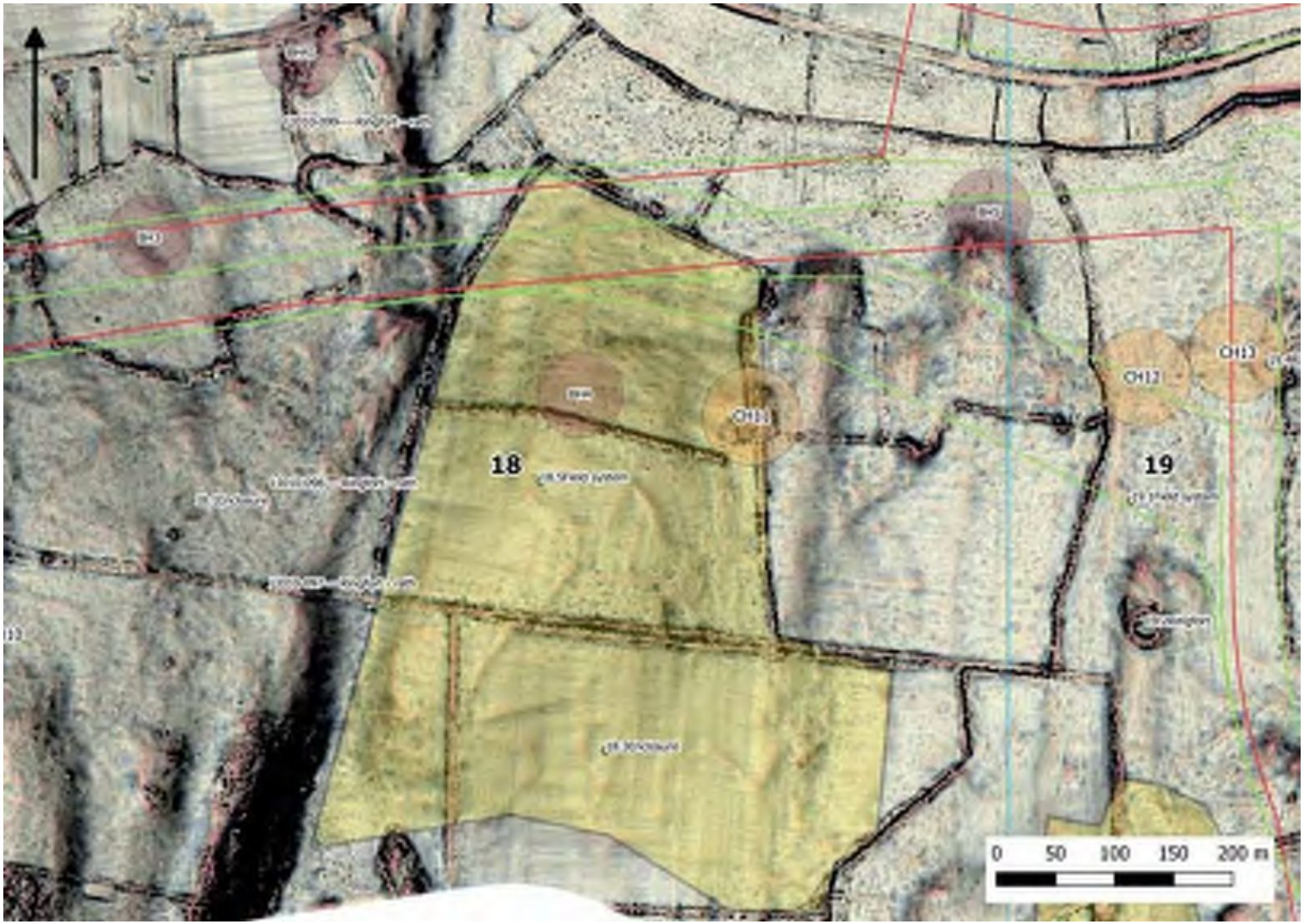


Feature 18.3. Probable ringfort, 37 x 18 m diameter. In context of broader field system. Located within DL1. LRM over SVF image. See Fig. 13.

Feature 18.4. Possible enclosure, 23 x 15 m diameter. Possible quarry. LRM over SVF image.



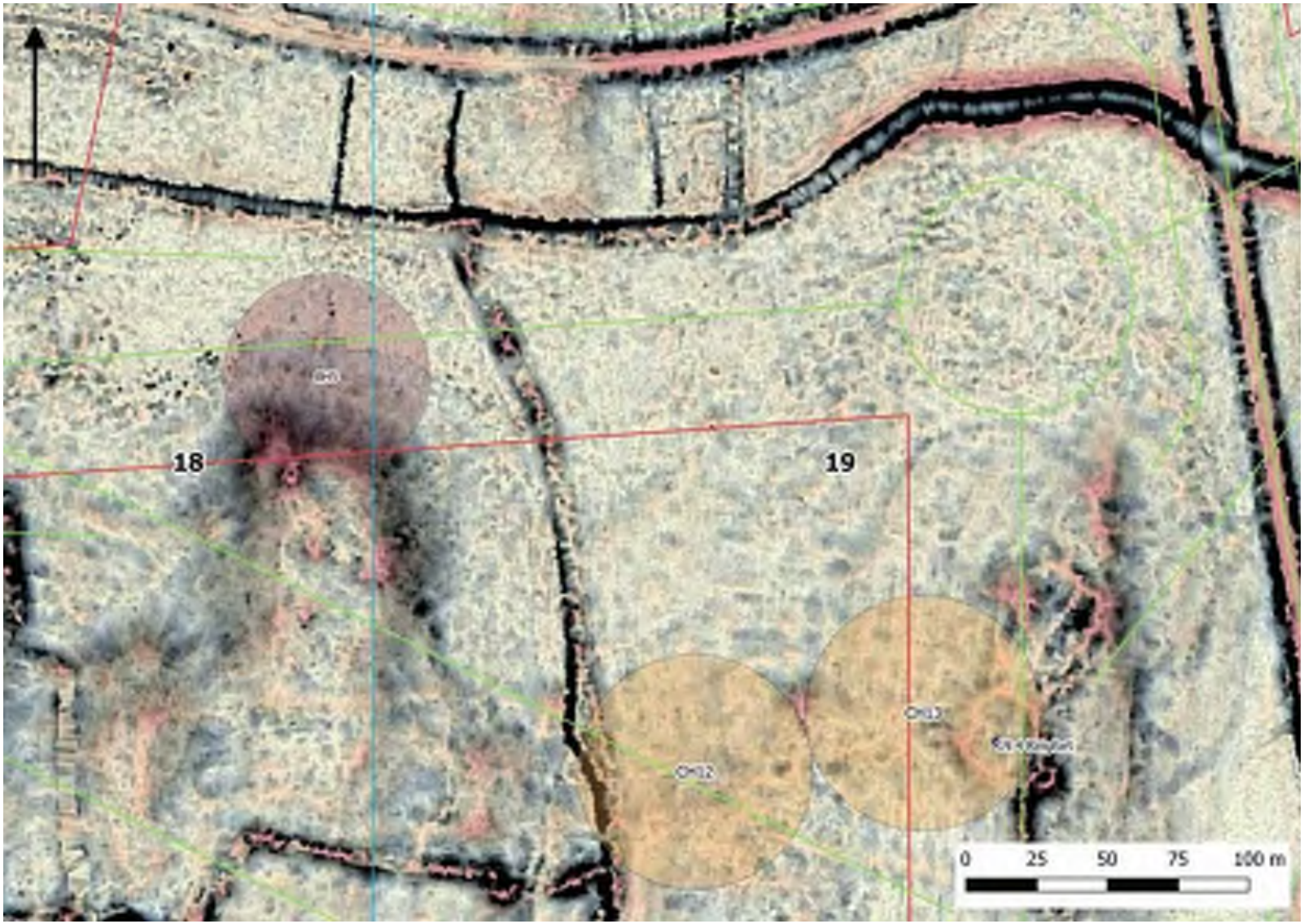
Feature 18.5. Extensive field system running north from 18.3 towards LI010-099. 590 x 308 m.



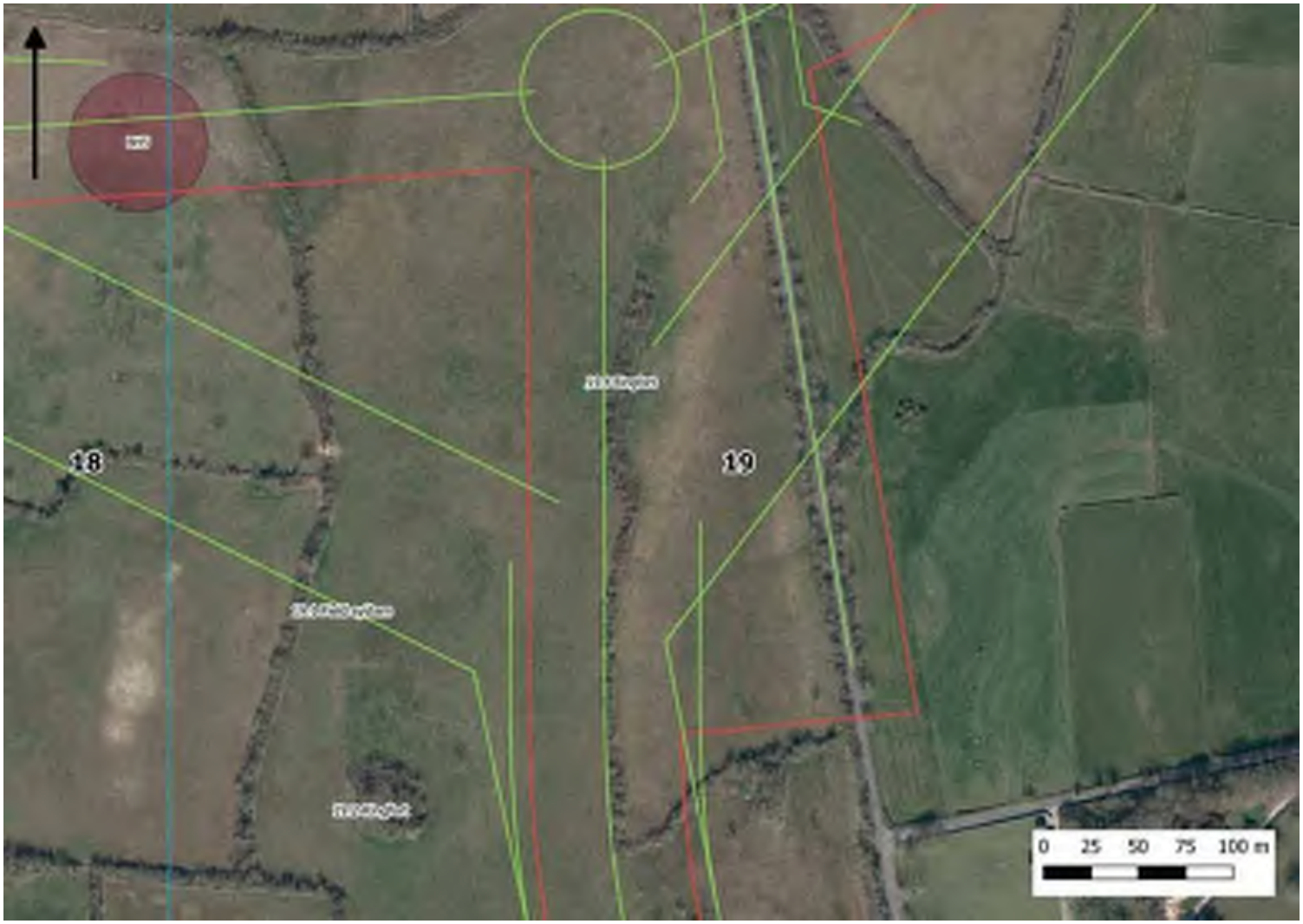
Feature 18.5. Showing full extent of field system.

Grid 19

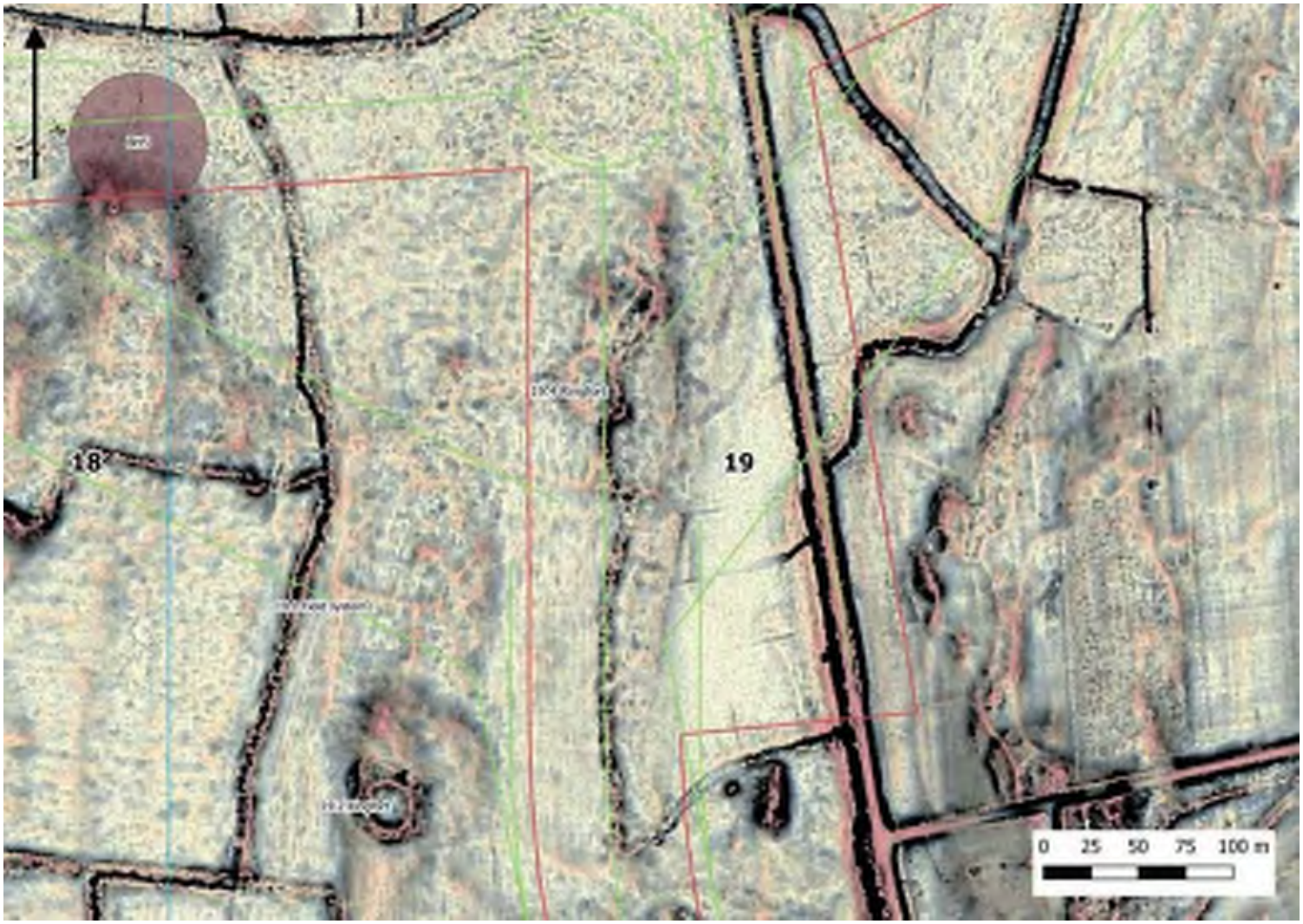
Grid 19 showing constraints BH5, CH12 and CH13. Scheme orthophotography.



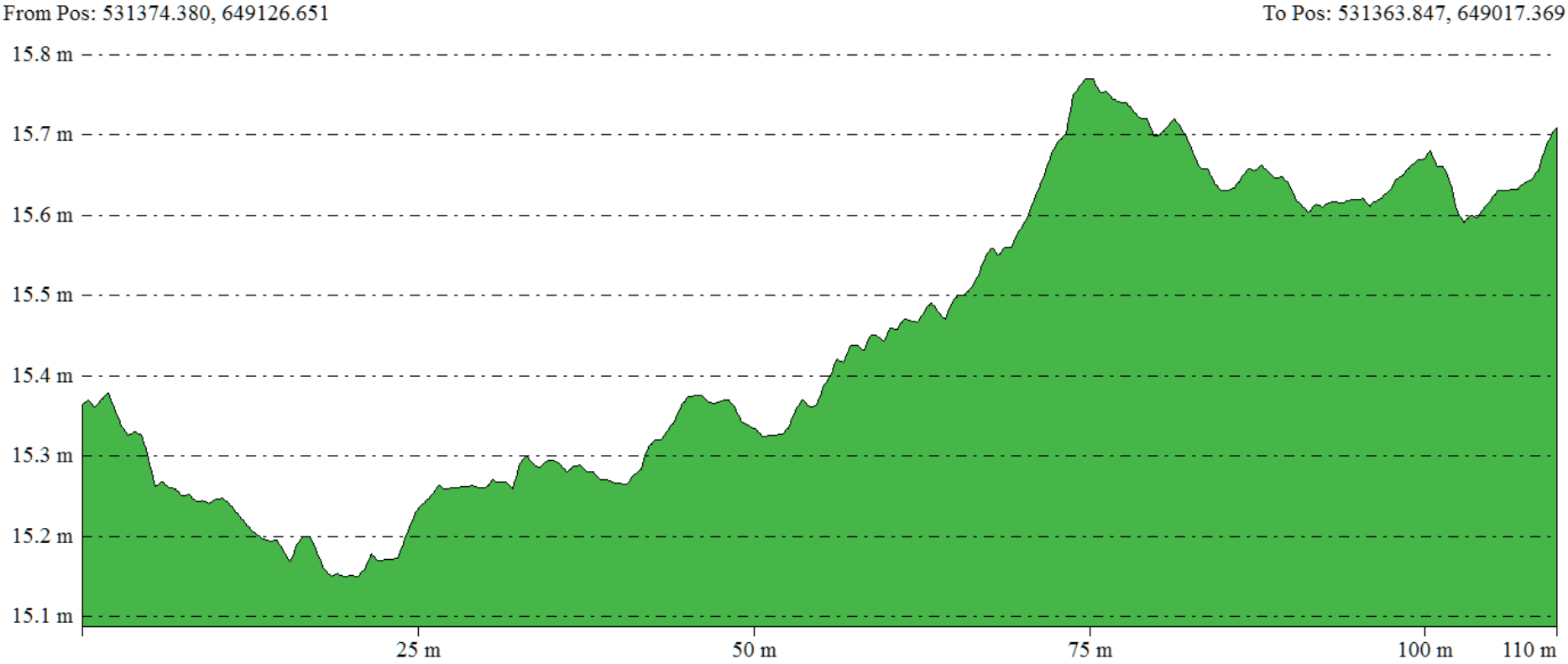
Grid 19 showing constraints BH5, CH12 and CH13. Scheme orthophotography. LRM over SVF.



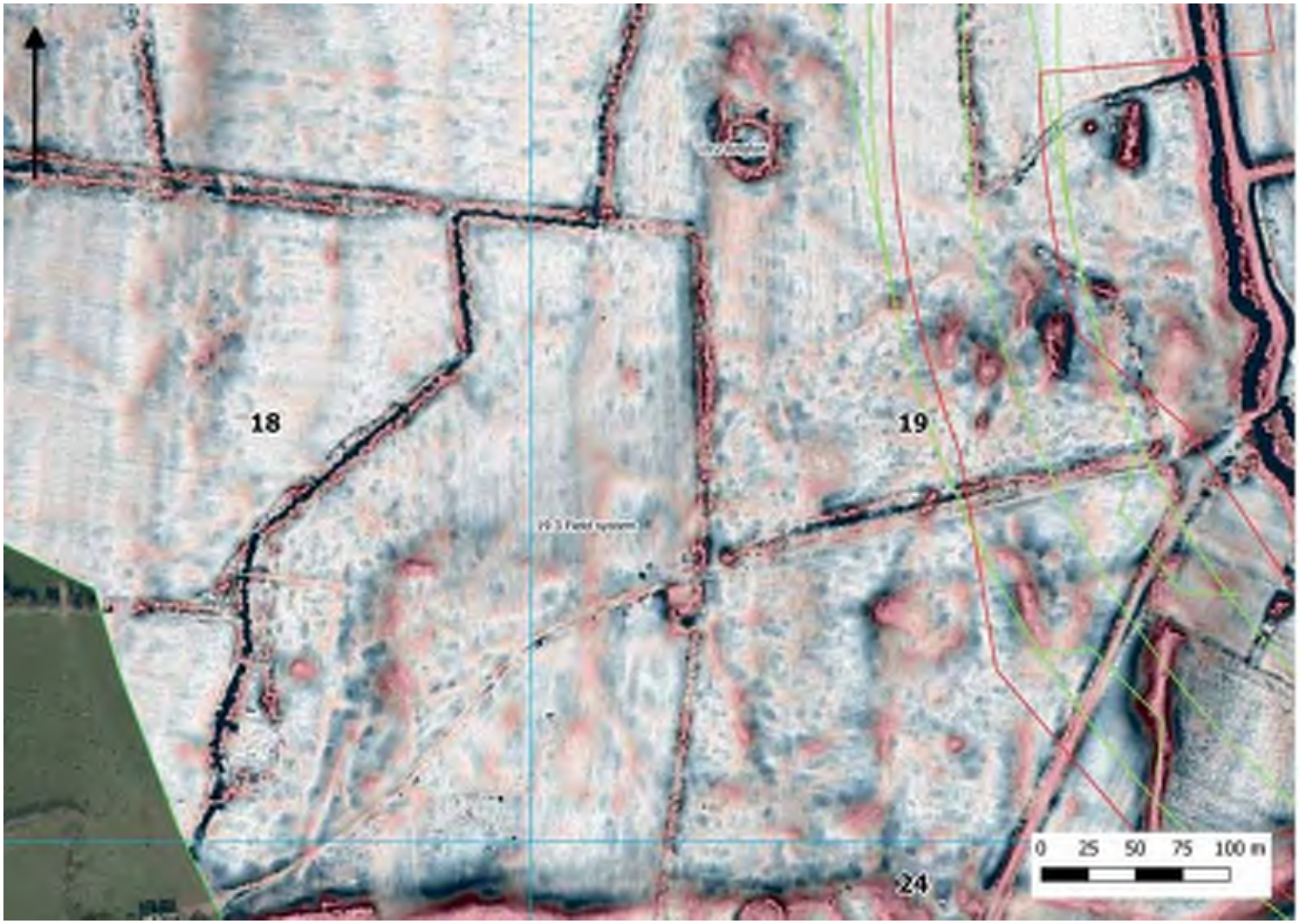
Feature 19.1. Series of rectangular plots along road; possible deserted medieval settlement. 101 x 39 m
Feature 19.2. Ringfort (or possibly demesne feature), heavily wooded. 24 m diameter.
Feature 19.4. Small enclosure, probable ringfort associated with 19.1 and 19.2, c. 26.5 x 25.5 m diameter. Scheme orthophotography.



Feature 19.1. Series of rectangular plots along road; possible deserted medieval settlement. 101 x 39 m.
Feature 19.2. Ringfort (or possibly demesne feature), heavily wooded. 24 m diameter.
Feature 19.4. Small enclosure, probable ringfort associated with 19.1 and 19.2, c. 26.5 x 25.5 m diameter. LRM over SVF image.



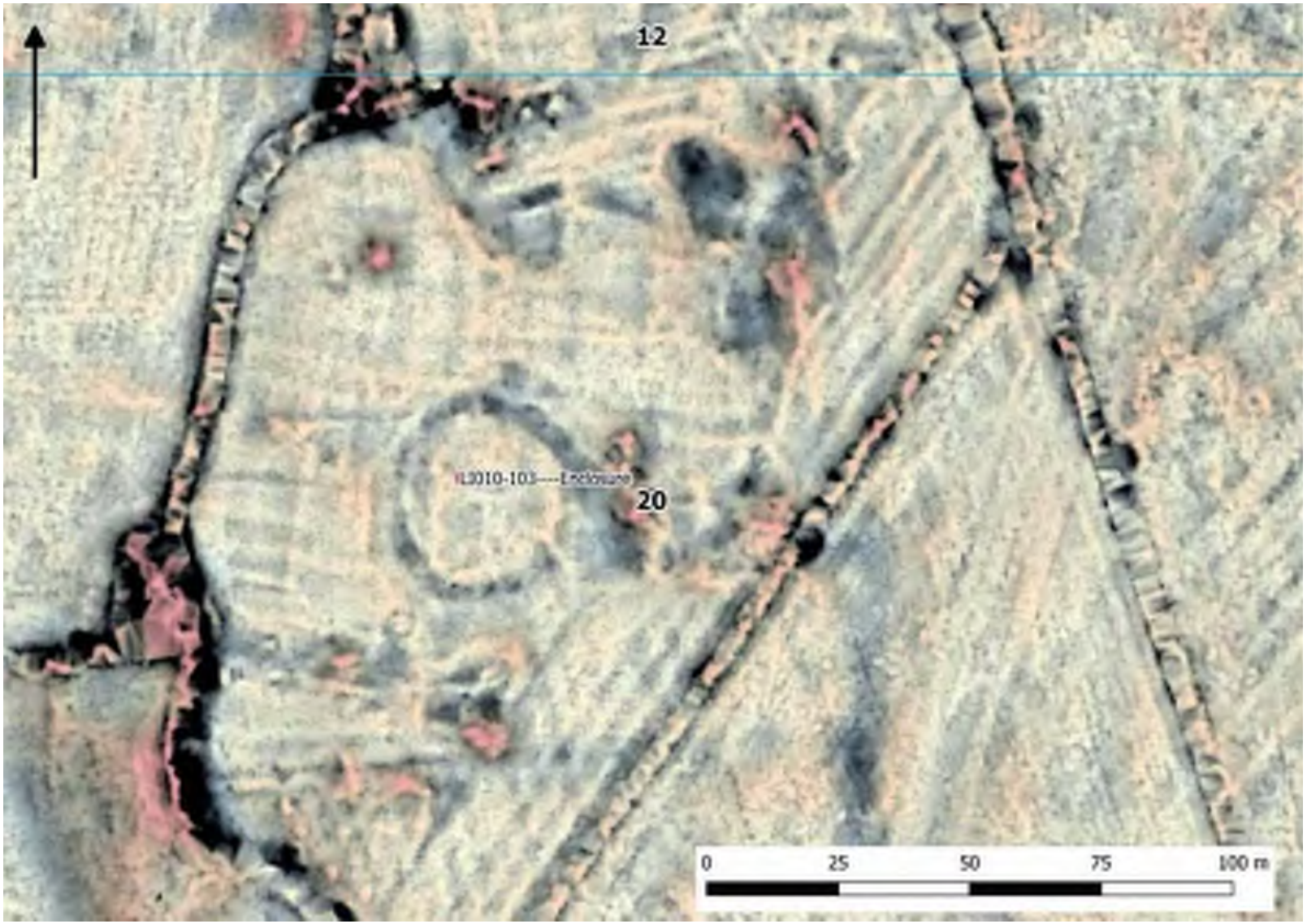
Feature 19.1. N-S profile across plots.



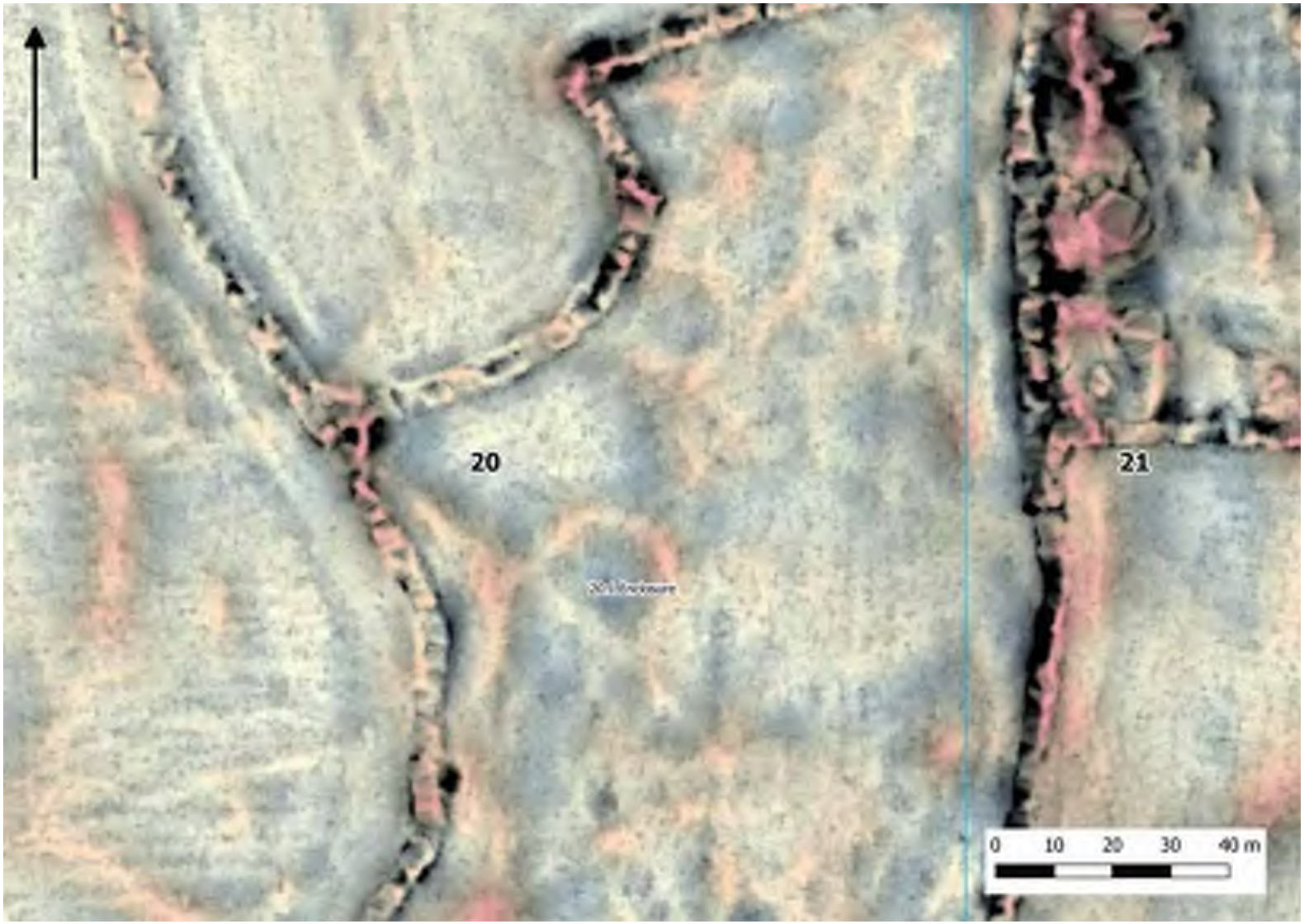
Feature 19.3. Field system including possible enclosure, 40 m diameter. Within DL1. LRM over SVF. See Fig. 14.

Grid 20

LI010-103. Ditched enclosure, 32 m diameter defined by U-shaped fosse, 4 m across. Visible in AP. Scheme orthophotography.



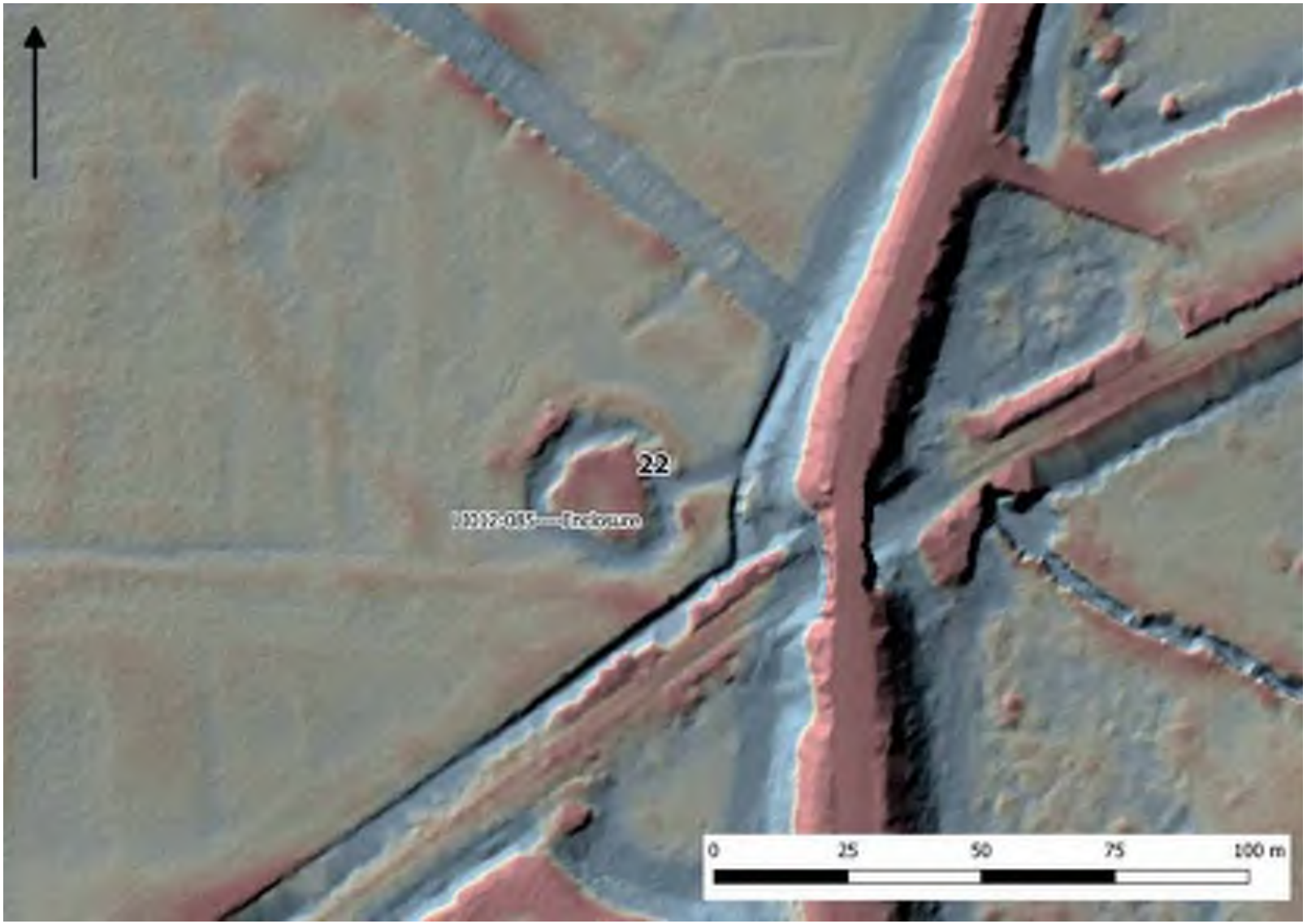
LI010-103. Ditched enclosure, 32 m diameter defined by U-shaped fosse, 4 m across. Visible in AP. LRM over SVF image.



Feature 20.1. Small, D-shaped enclosure, 21 x 19 m.

Grid 22

LI012-085. Probable ringfort. Central platform c. 19 m diameter, surrounded by fosse, c. 3.8 m across. Possibly open to the east. Scheme orthophotography.



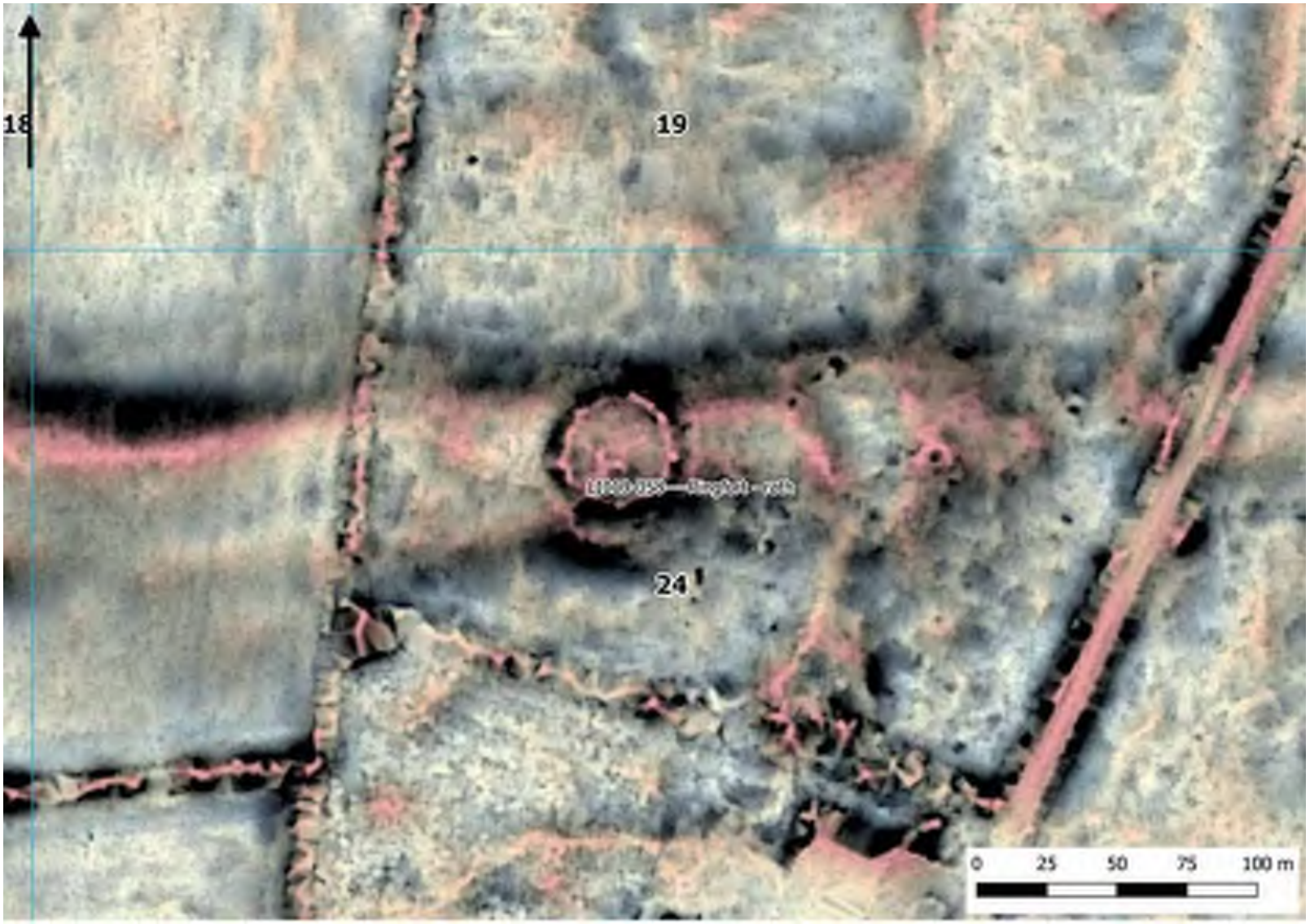
LI012-085. Probable ringfort. Central platform c. 19 m diameter, surrounded by fosse, c. 3.8 m across. Possibly open to the east. LRM over 16-direction hillshade.

Feature 22.1. Small, circular enclosure, 16 m diameter. Associated with field system. Probable landscape feature associated with Spring Lodge.
Feature 22.2. Small, circular enclosure, 16 m diameter. Associated with field system. Probable landscape feature associated with Spring Lodge. 6 inch mapping.

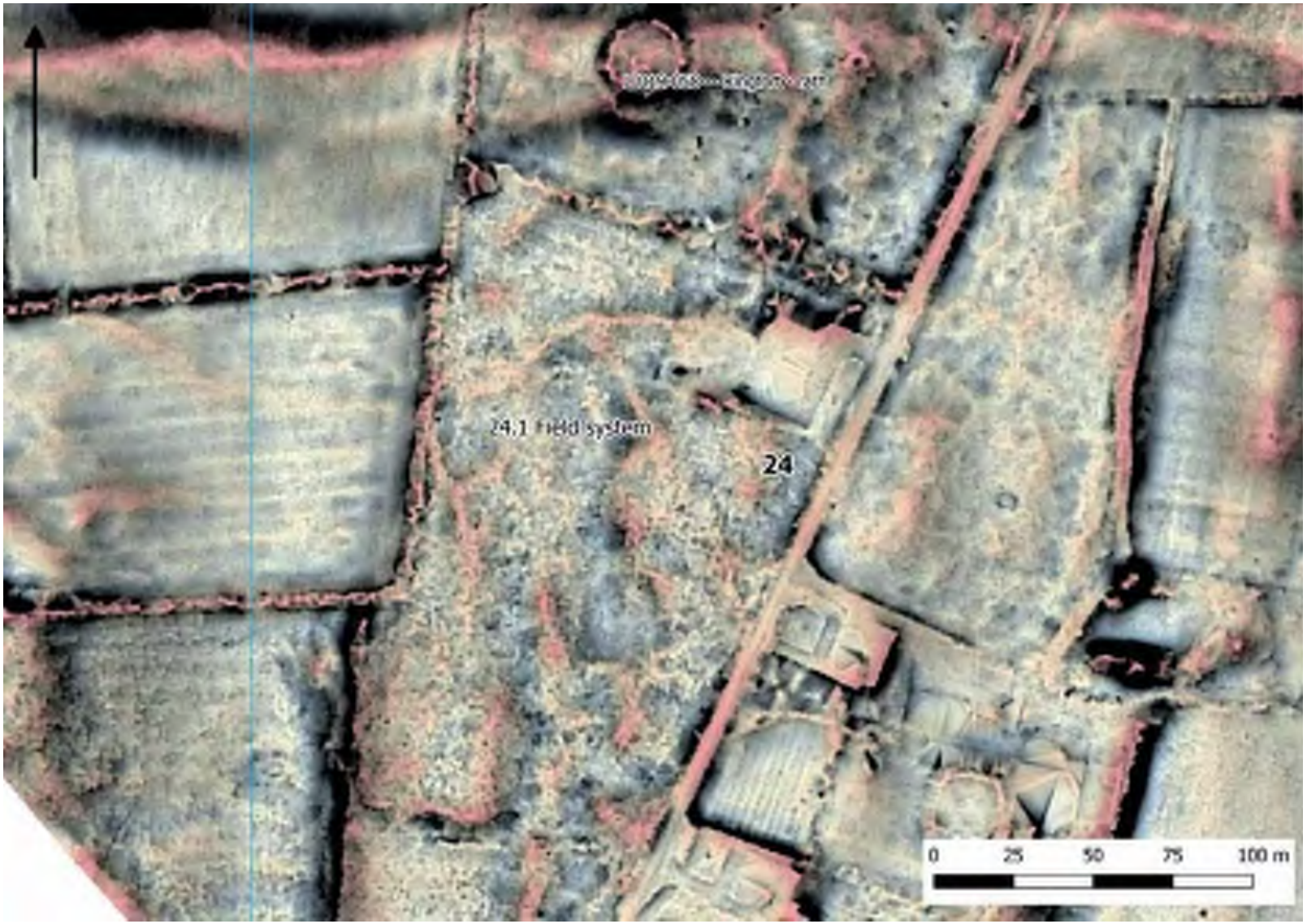
Feature 22.1. Small, circular enclosure, 16 m diameter. Associated with field system. Probable landscape feature associated with Spring Lodge.
Feature 22.2. Small, circular enclosure, 16 m diameter. Associated with field system. Probable landscape feature associated with Spring Lodge. LRM over SVF image.

Grid 24

LI019-058. Well-preserved ringfort under heavy woodland. Field systems to east. 23 m diameter. Small, circular structure in southern part. Scheme orthophotography.



LI019-058. Well-preserved ringfort under heavy woodland. Field systems to east. 23 m diameter. Small, circular structure in southern part. LRM over SVF image.



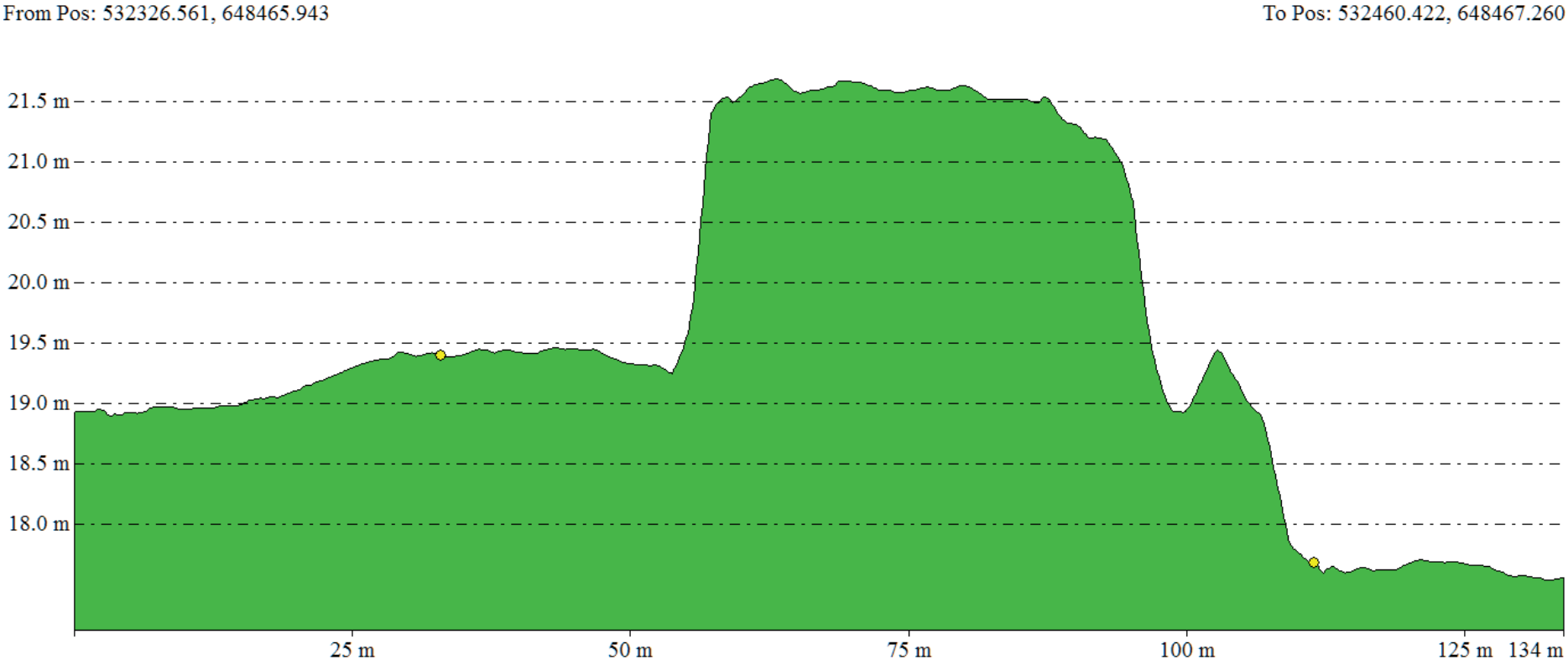
Feature 24.1. Field system with some enclosure elements. LRM over SVF image. See Fig. 14.

Grid 25

LI019-064. Large, bivallate or possibly trivallate ringfort. Outer vallation largely destroyed but remains to north and southeast, with traces to southwest. Overall diameter to 2nd vallation is 67 m, but this is surrounded by an outer ditch suggesting a possible third vallation. Central slightly depressed circular area, 20 m diameter. Rectangular enclosed area to east. 6-inch mapping. See also Fig. 15.

LI019-064. Large, bivallate or possibly trivallate ringfort. Outer vallation largely destroyed but remains to north and southeast, with traces to southwest. Overall diameter to 2nd vallation is 67 m, but this is surrounded by an outer ditch suggesting a possible third vallation. Central slightly depressed circular area, 20 m diameter. Rectangular enclosed area to east. Scheme orthophotography. See also Fig. 15.

LI019-064. Large, bivallate or possibly trivallate ringfort. Outer vallation largely destroyed but remains to north and southeast, with traces to southwest. Overall diameter to 2nd vallation is 67 m, but this is surrounded by an outer ditch suggesting a possible third vallation. Central slightly depressed circular area, 20 m diameter. Rectangular enclosed area to east. LRM over 16-direction hillshade. See also Fig. 15.



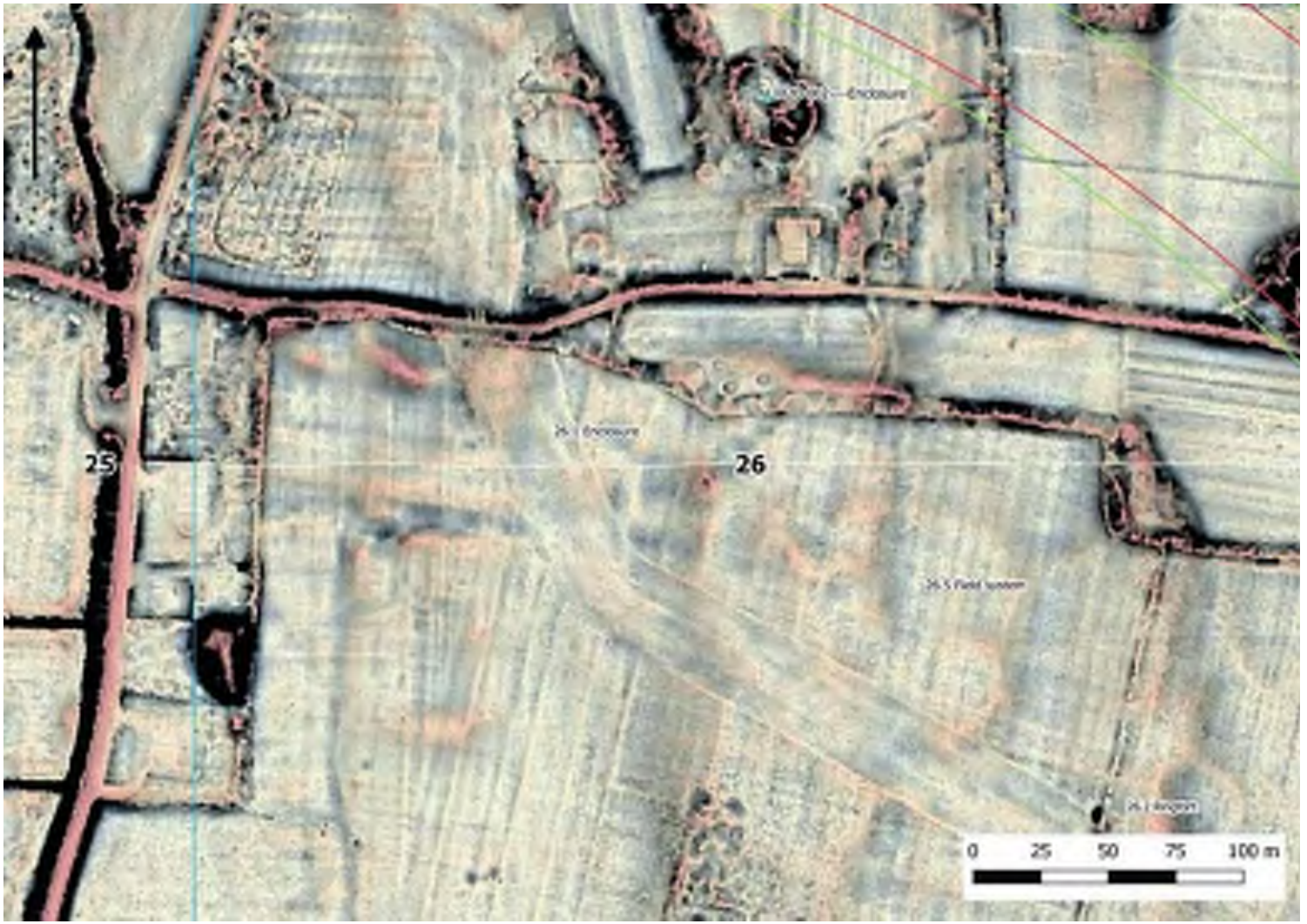
LI019-064. W-E profile of enclosure showing significant rise (over 4m).

Grid 26

LI020-002 (AH84). Probable ringfort under heavy woodland. 34 x 27 m. Scheme orthophotography.

LI020-002 (AH84). Probable ringfort under heavy woodland. 34 x 27 m. LRM over SVF.

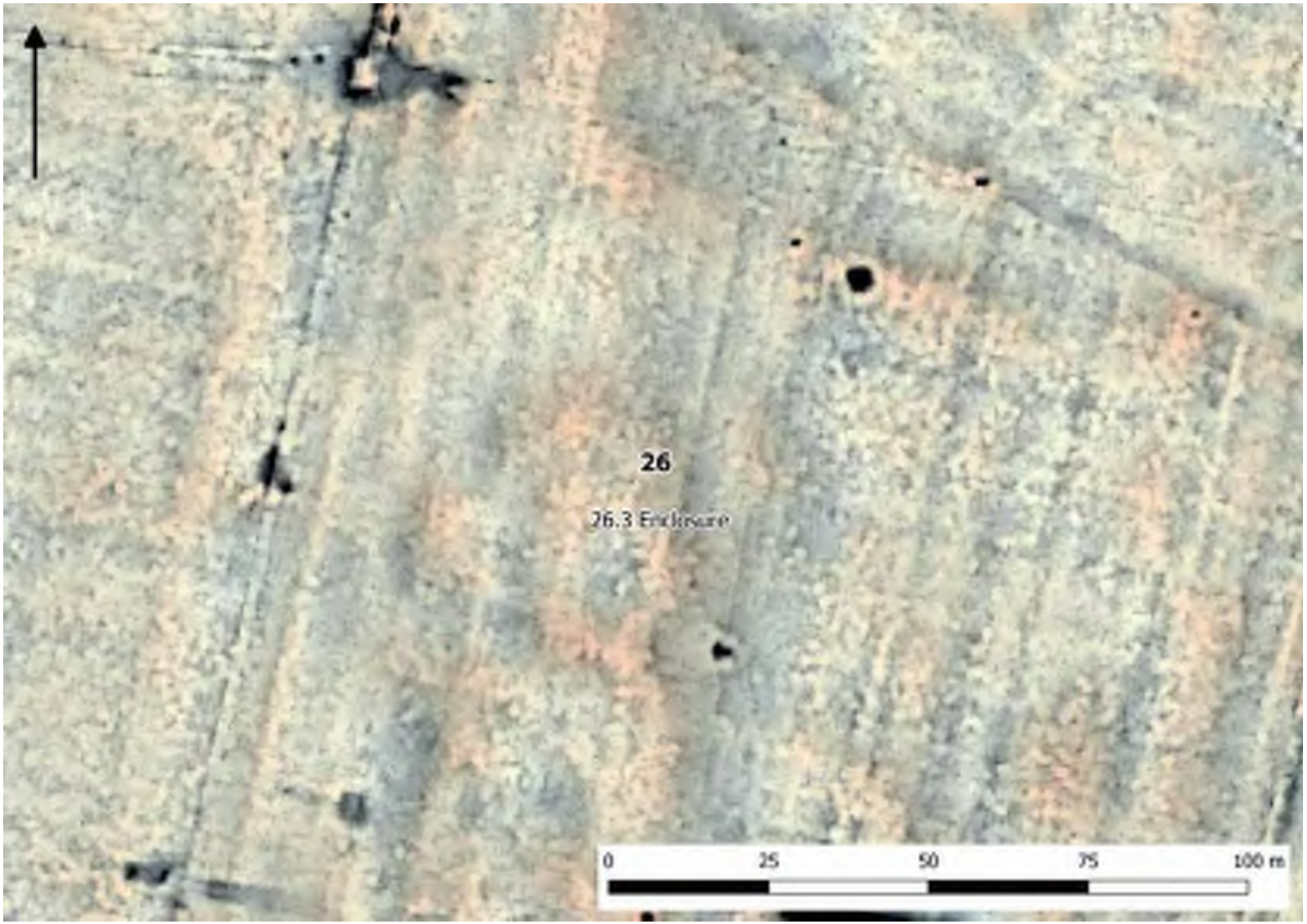
Feature 26.1. Small enclosure, 14.5 m diameter. Part of field system extending SE.
Feature 26.2. Well-defined ringfort, 26.5 m diameter. In 6 inch mapping but apparently not included in RMP. 6 inch mapping.
Feature 26.5. Field system. Irregular raised boundaries between enclosures 26.1 and 26.2. See Fig. 16.



Feature 26.1. Small enclosure, 14.5 m diameter. Part of field system extending SE.

Feature 26.2. Well-defined ringfort, 26.5 m diameter. In 6 inch mapping but apparently not included in RMP.

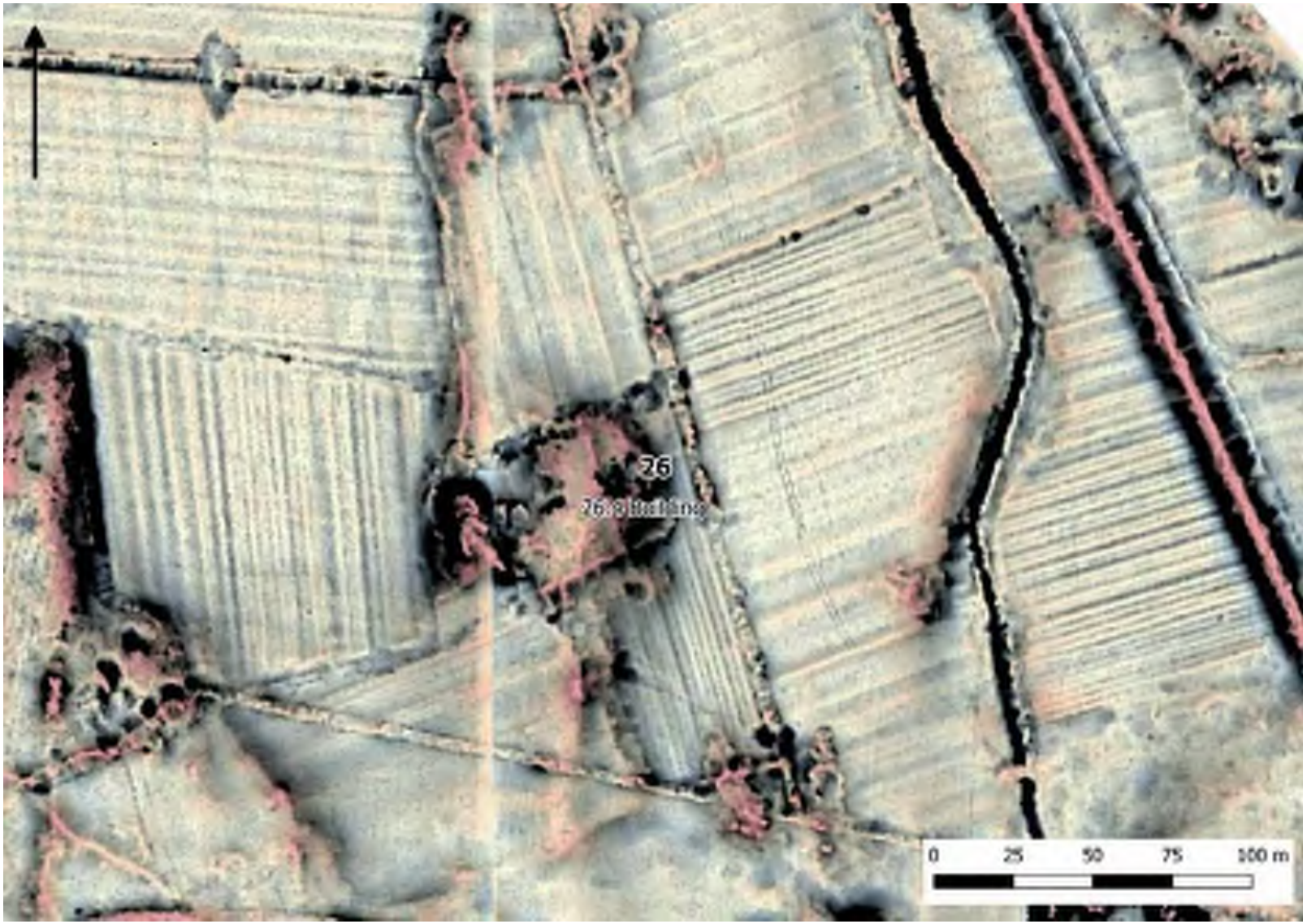
Feature 26.5. Field system. Irregular raised boundaries between enclosures 26.1 and 26.2. Pipeline corridor clearly visible in data. LRM over SVF image. See Fig. 16.



Feature 26.3. Possible enclosure, apparently damaged by buildings to SE. 20.5 x 11.5 m. LRM over SVF image.

Feature 26.4. Rectangular platform, 42.2 x 42.2 m. Marked as wooded area in 6 inch mapping but with clear structure in lidar data. 6 inch mapping.

Feature 26.4. Rectangular platform, 42.2 x 42.2 m. Marked as wooded area in 6 inch mapping but with clear structure in lidar data. Scheme orthophotography.

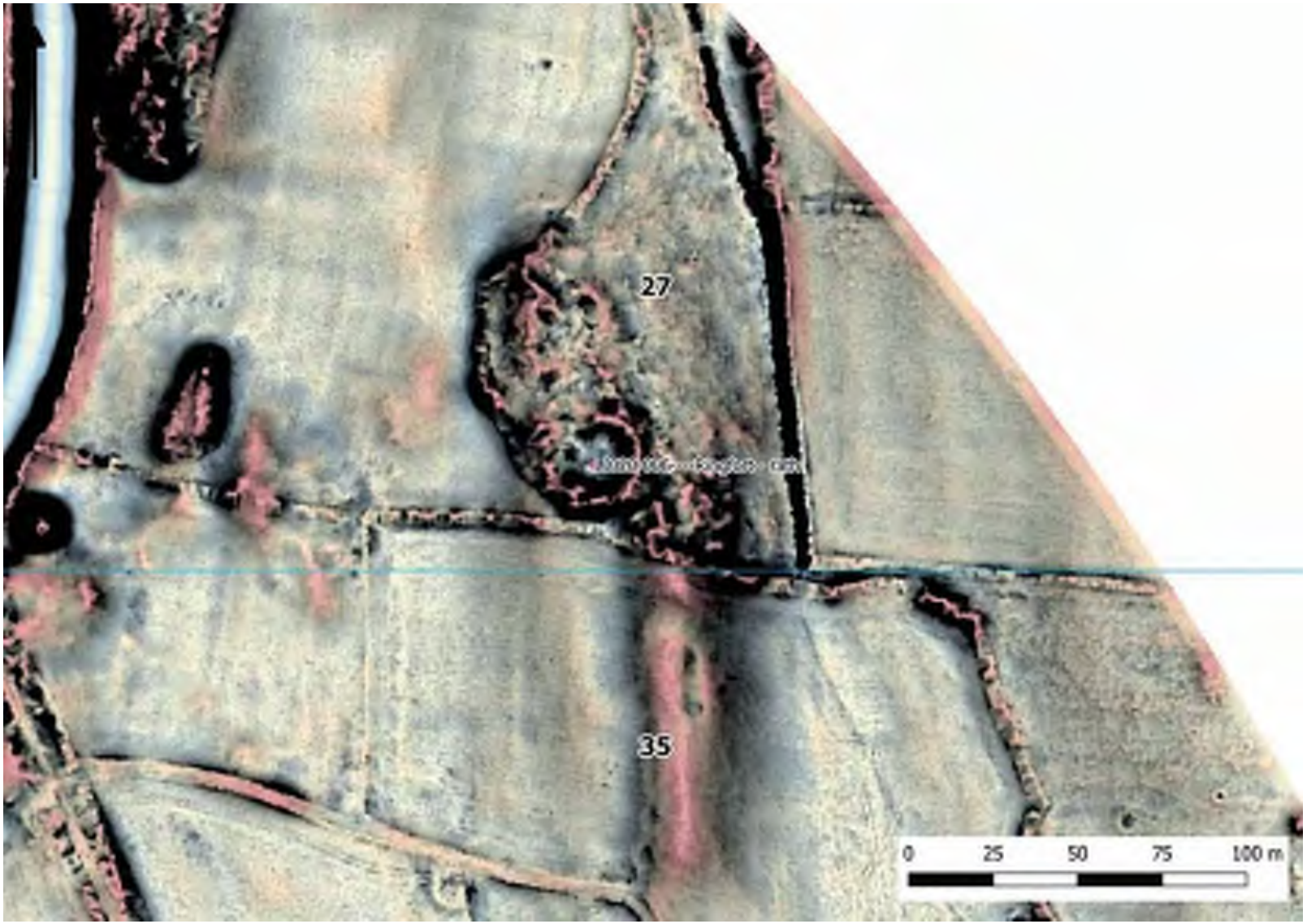


Feature 26.4. Rectangular platform, 42.2 x 42.2 m. Marked as wooded area in 6 inch mapping but with clear structure in lidar data. LRM over SVF image.

Feature 26.5. Irregular raised boundaries between enclosures 26.1 and 26.2.

Grid 27

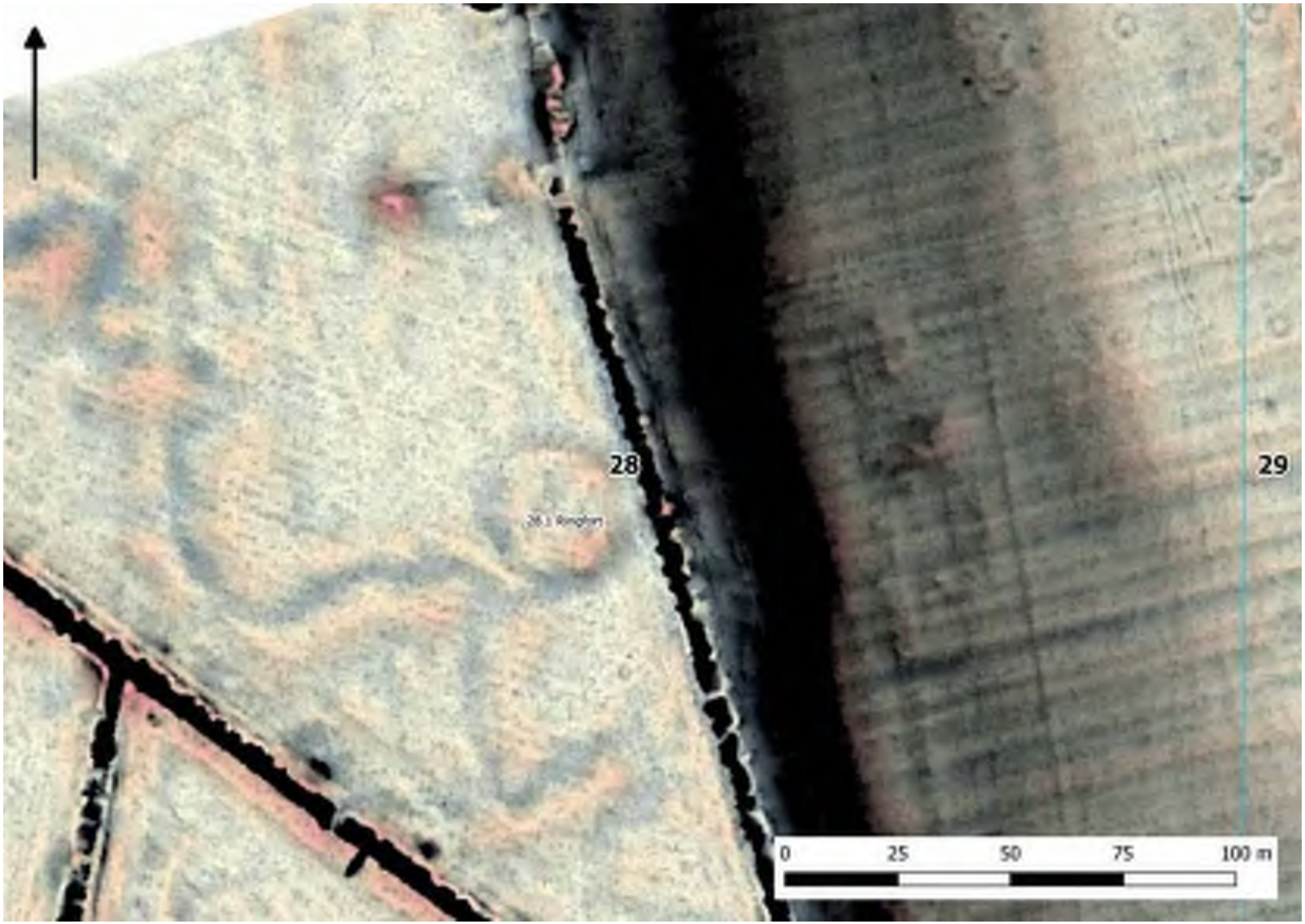
LI020-006. Small ringfort under heavy woodland. 27 m diameter. Scheme orthophotography.



LI020-006. Small ringfort under heavy woodland. 27 m diameter. LRM over SVF image.

Grid 28

Feature 28.1. Small circular enclosure in low-lying ground. 28 m diameter. Probable ringfort. Scheme orthophotography.

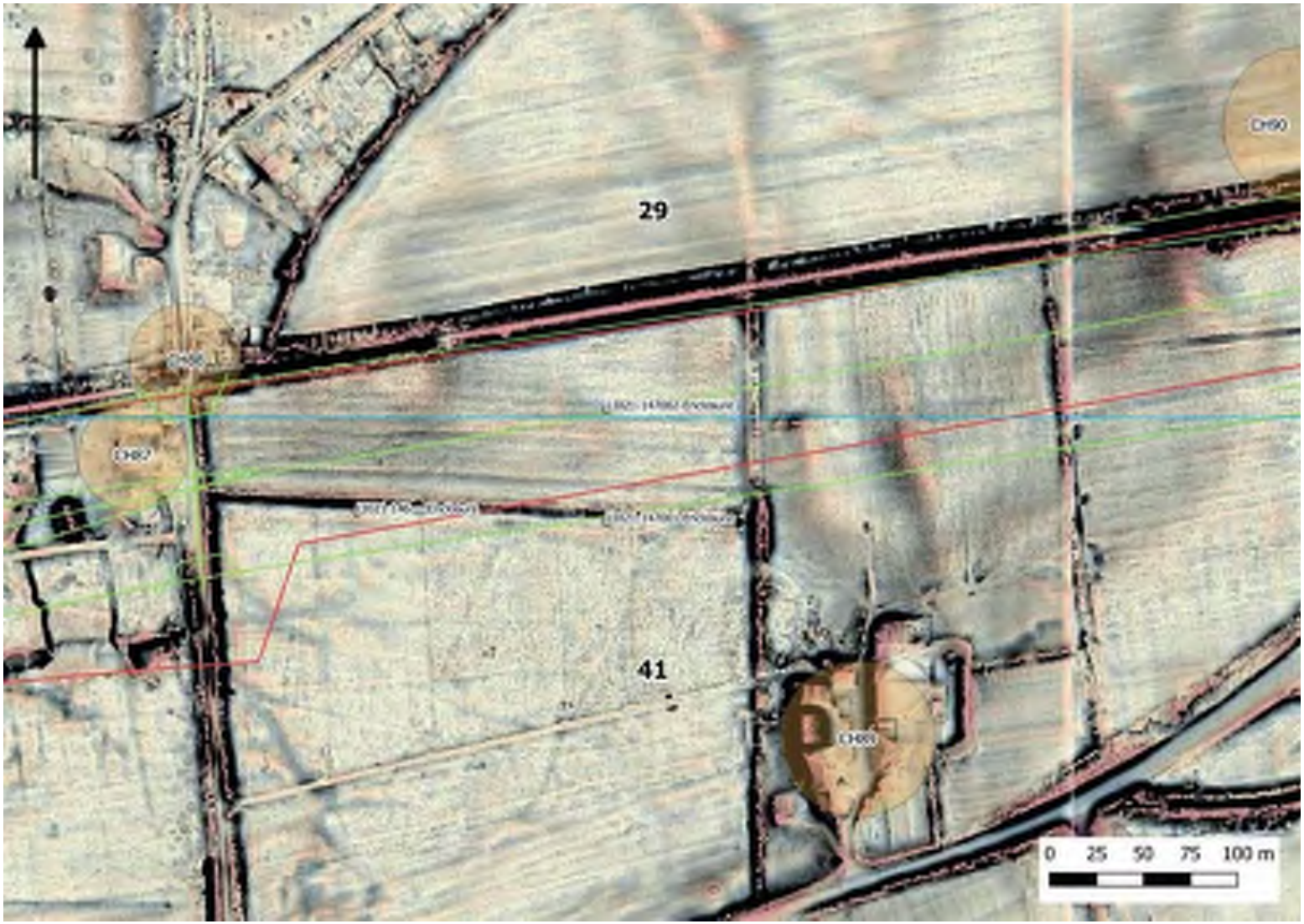


Feature 28.1. Small circular enclosure in low-lying ground. 28 m diameter. Probable ringfort. LRM over SVF image.

Grid 29

Grid 29 showing constraint CH90. No above ground trace visible. Scheme orthophotography.

Grid 29 showing constraint CH90. No above ground trace visible. LRM over SVF..

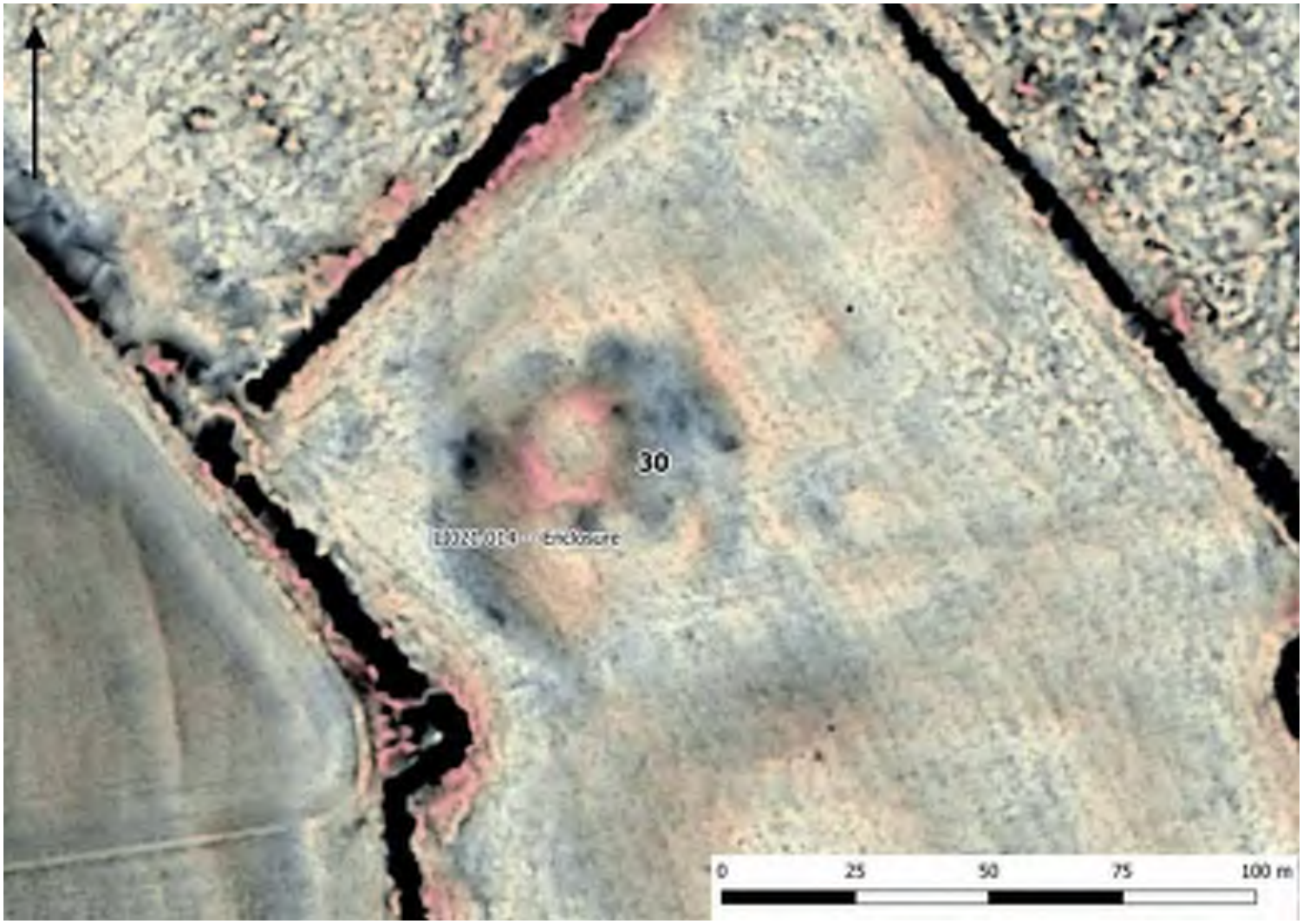


LI021-147001 (AH65). No visible trace remains. LRM over SVF image.

LI021-147002 (AH65). No visible trace remains.

Grid 30

LI021-014 (AH68). Probable ringfort. Substantially levelled. NW section of interior platform remains along with fosse, but central area seems to have been quarried. Original enclosed area c. 42 m diameter with fosse c. 8 m across. Scheme orthophotography.



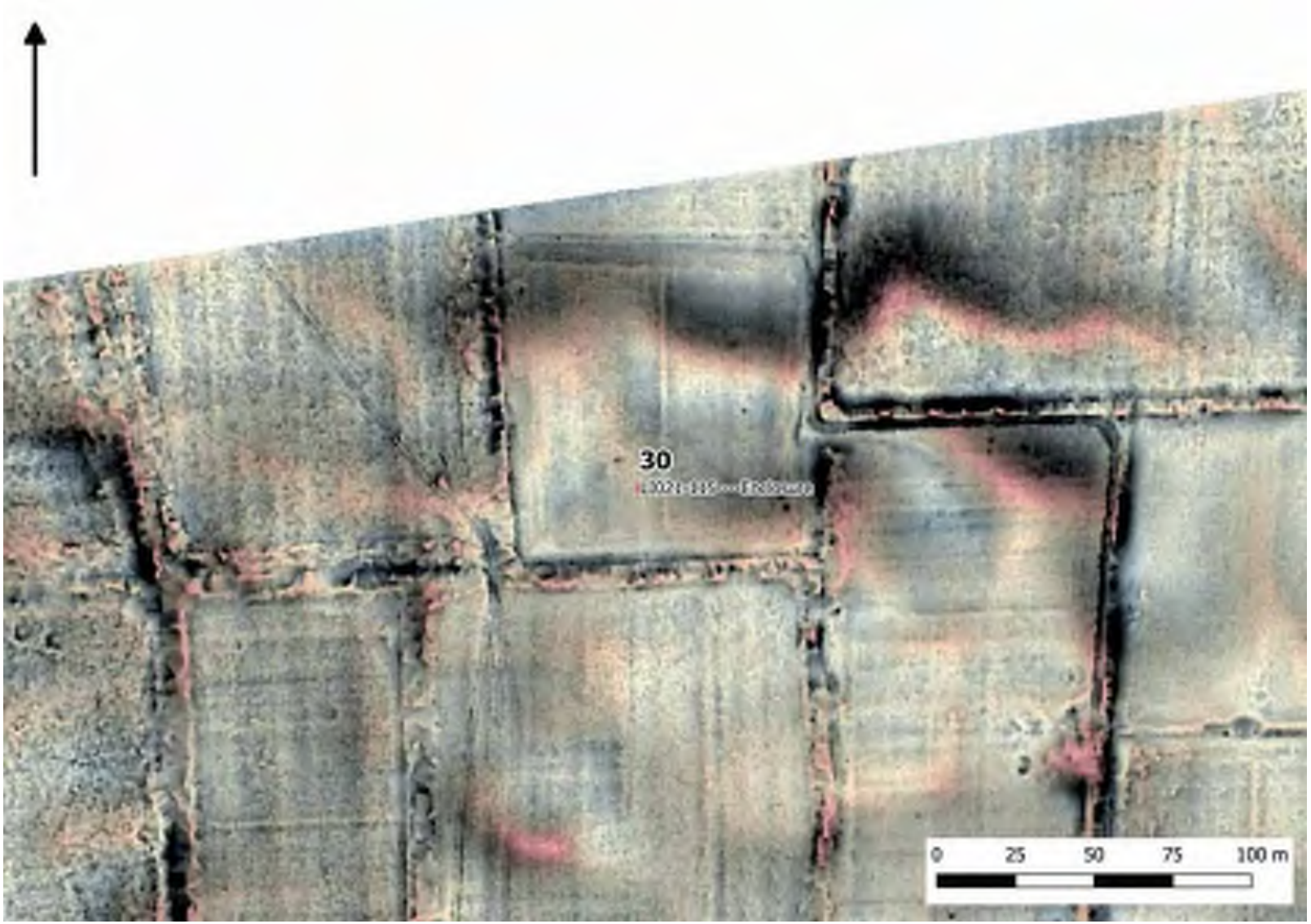
LI021-014 (AH68). Probable ringfort. Substantially levelled. NW section of interior platform remains along with fosse, but central area seems to have been quarried. Original enclosed area c. 42 m diameter with fosse c. 8 m across. LRM over SVF image.

LI021-015 (AH69). Probable ringfort. Located 40 m NW of RMP location. 36.5 m diameter central platform surrounded by shallow fosse.

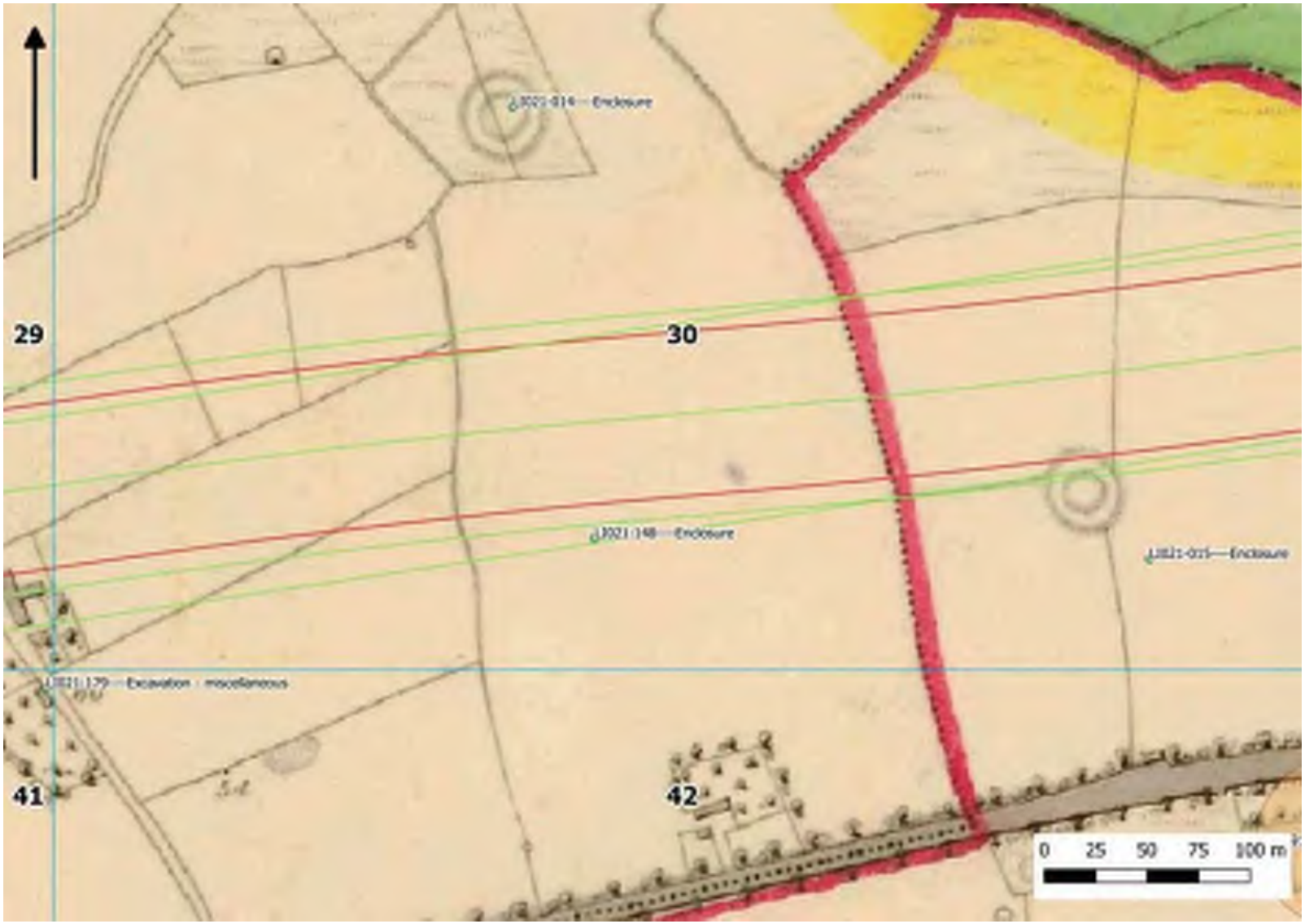
LI021-015 (AH69). Probable ringfort. Located 40 m NW of RMP location. 36.5 m diameter central platform surrounded by shallow fosse. Scheme orthophotography.

LI021-015 (AH69). Probable ringfort. Located 40 m NW of RMP location. 36.5 m diameter central platform surrounded by shallow fosse. LRM over 16-direction hillshade.

LI021-115. Probable ringfort. No visible trace remains. Original diameter 18.5 m. 6-inch series mapping.



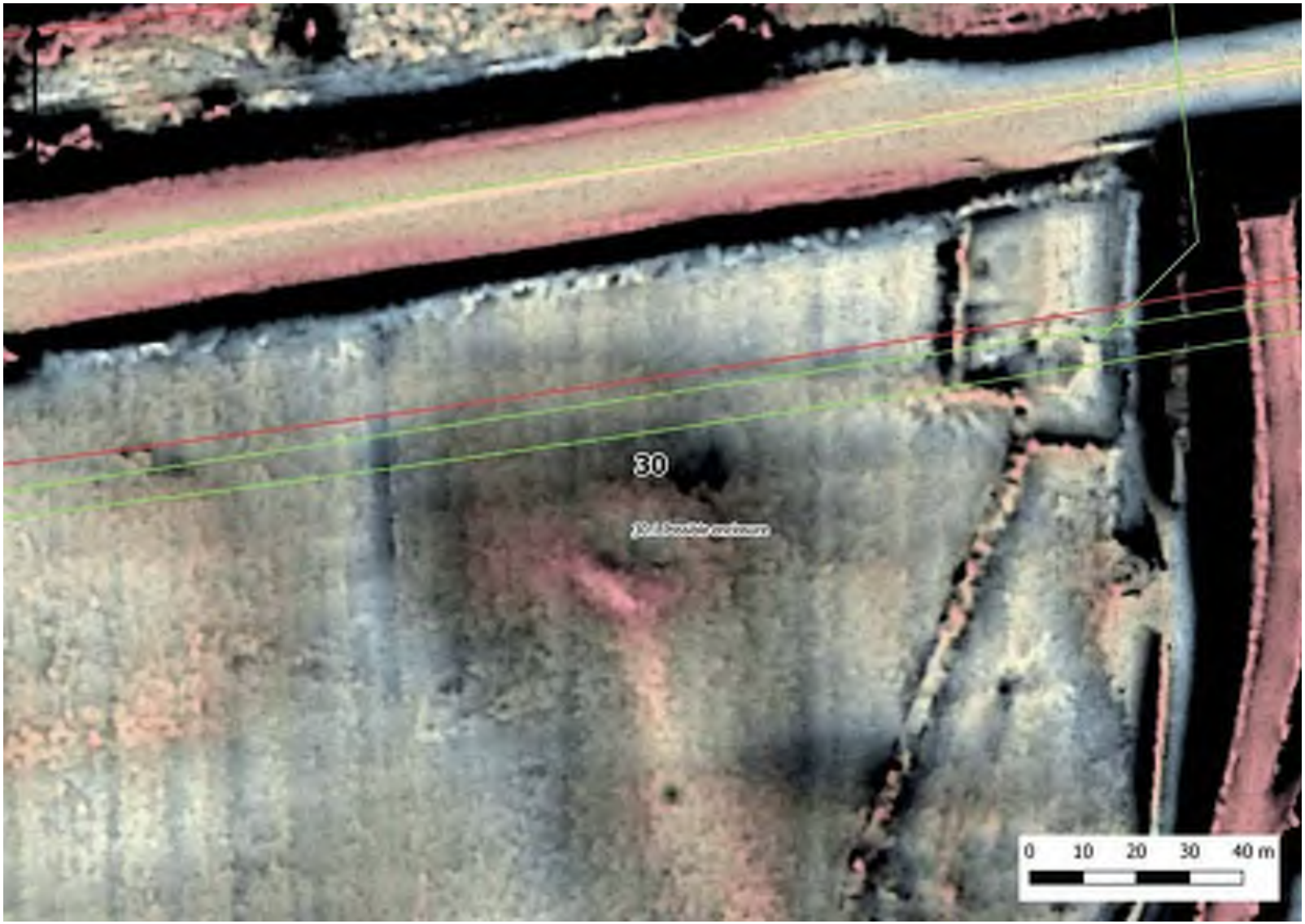
LI021-115. Probable ringfort. No visible trace remains. Original diameter 18.5 m. LRM over SVF image.



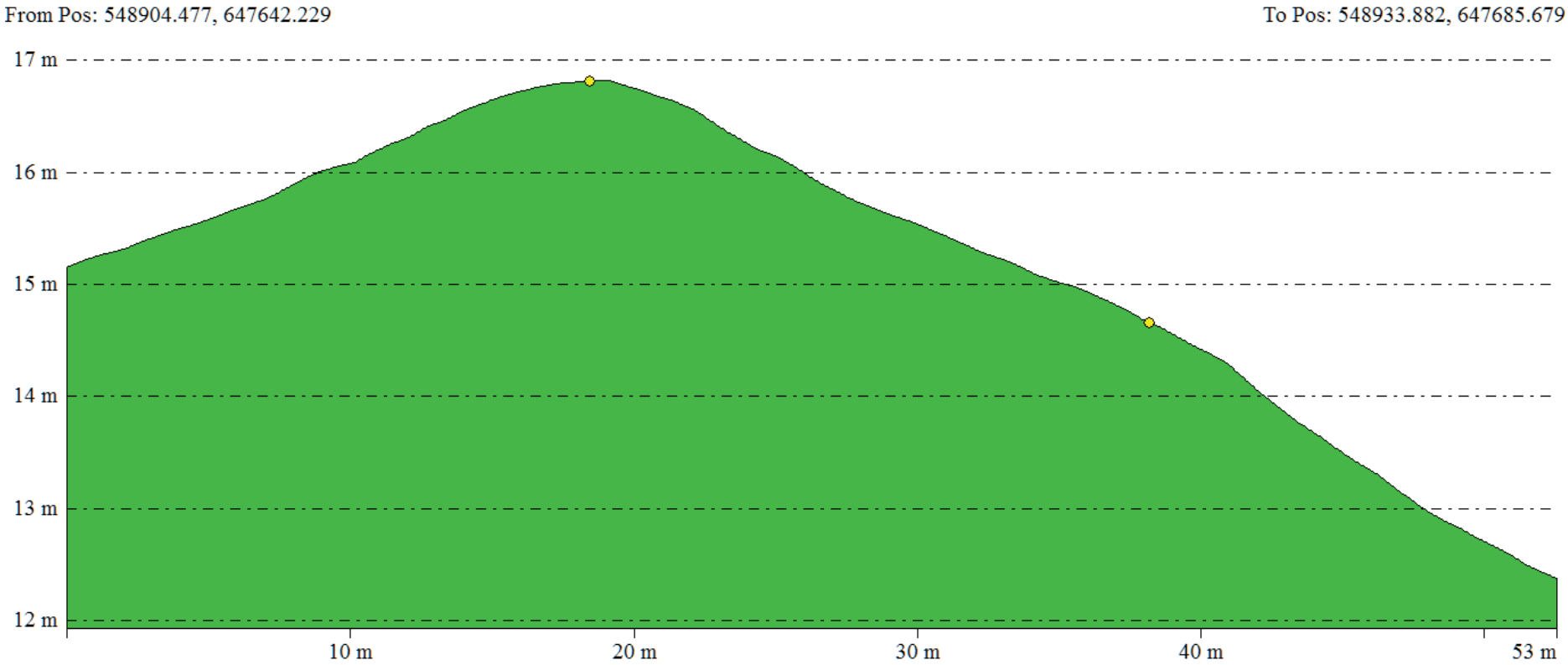
LI021-148 (AH67). No suggestion in early mapping and no trace in aerial survey. 6-inch series

LI021-148 (AH67). No suggestion in early mapping and no trace in aerial survey. Scheme orthophotography.

LI021-148 (AH67). No suggestion in early mapping and no trace in aerial survey. LRM over SVF.



Feature 30.1. Small circular depression, 18.5 m diameter. Possible quarry.



Feature 30.1. SW-NE profile through feature.

Grid 31

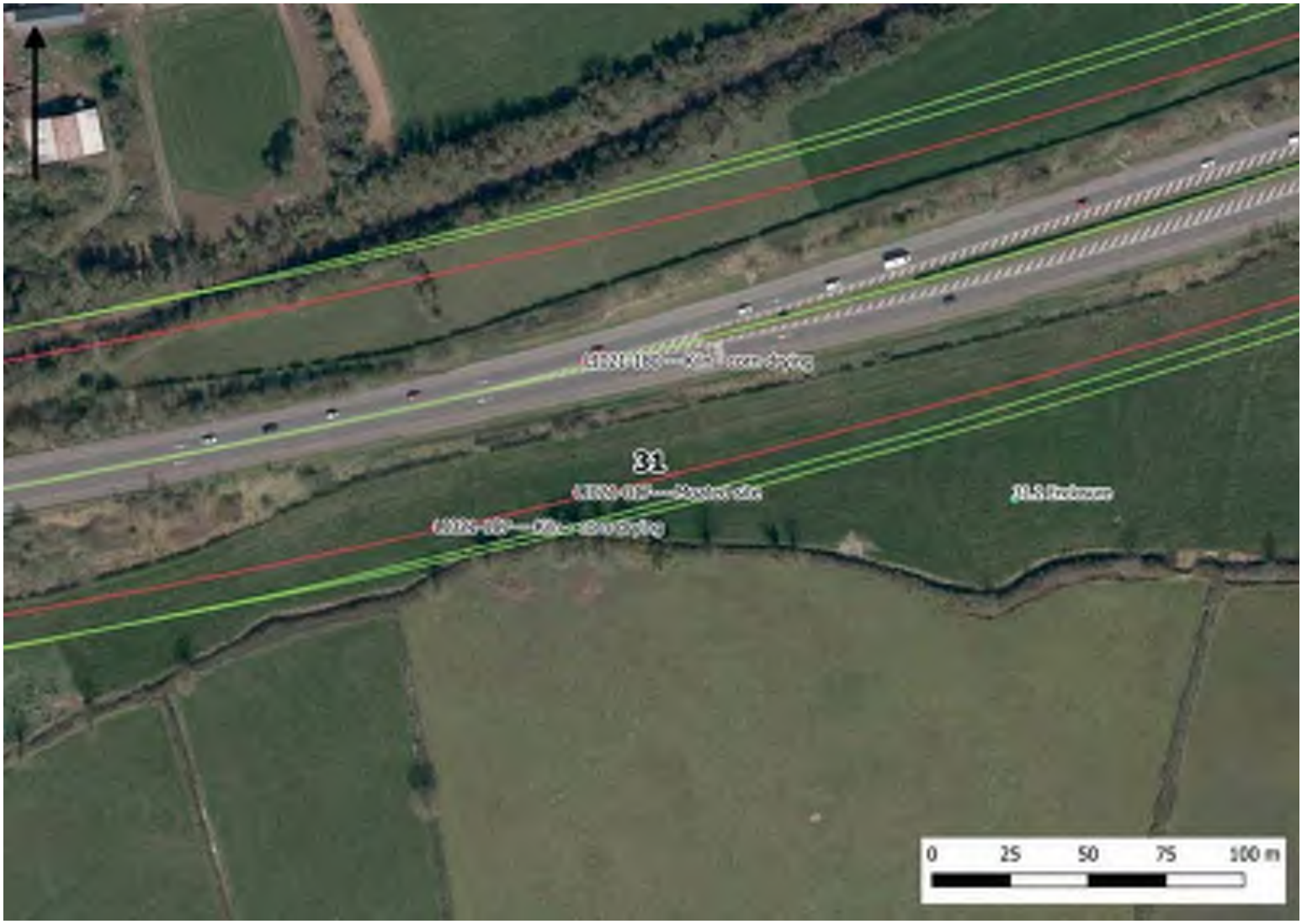
LI021-018 (AH73). Probable ringfort. Almost entirely levelled. Still visible as very slight enclosure, 34.9 m diameter. 30 m north of RMP position at ITM 550212 648312. LRM over SVF image.

LI021-020. Eastern side of enclosure with some internal differentiation. 6 inch map only marks bivallate eastern side only, suggesting western portion already gone by mid C19th. Surviving portion 49m N-S, with form suggesting that the E-W measurement would have been greater. 6-inch series.

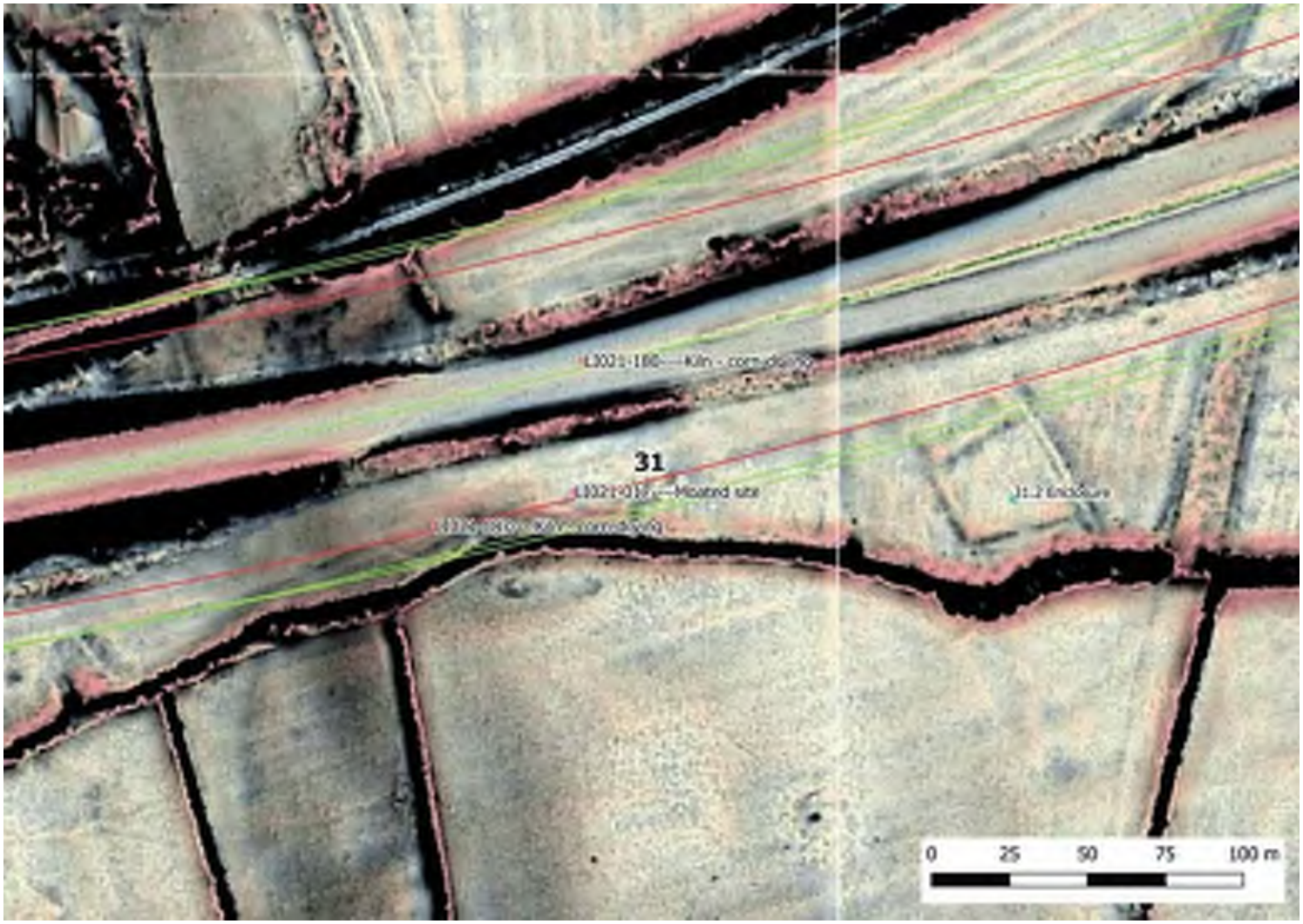
LI021-020. Eastern side of enclosure with some internal differentiation. 6 inch map only marks bivallate eastern side only, suggesting western portion already gone by mid C19th. Surviving portion 49m N-S, with form suggesting that the E-W measurement would have been greater. Scheme orthophotography.

LI021-020. Eastern side of enclosure with some internal differentiation. 6 inch map only marks bivallate eastern side only, suggesting western portion already gone by mid C19th. Surviving portion 49m N-S, with form suggesting that the E-W measurement would have been greater. LRM over 16-direction hillshade.

LI021-017. Marked as moated site but apparent ringfort on 6-inch series, 33.7 m diameter. No surviving trace but moated site may refer to enclosure 11.2 to the east. 6-inch series.

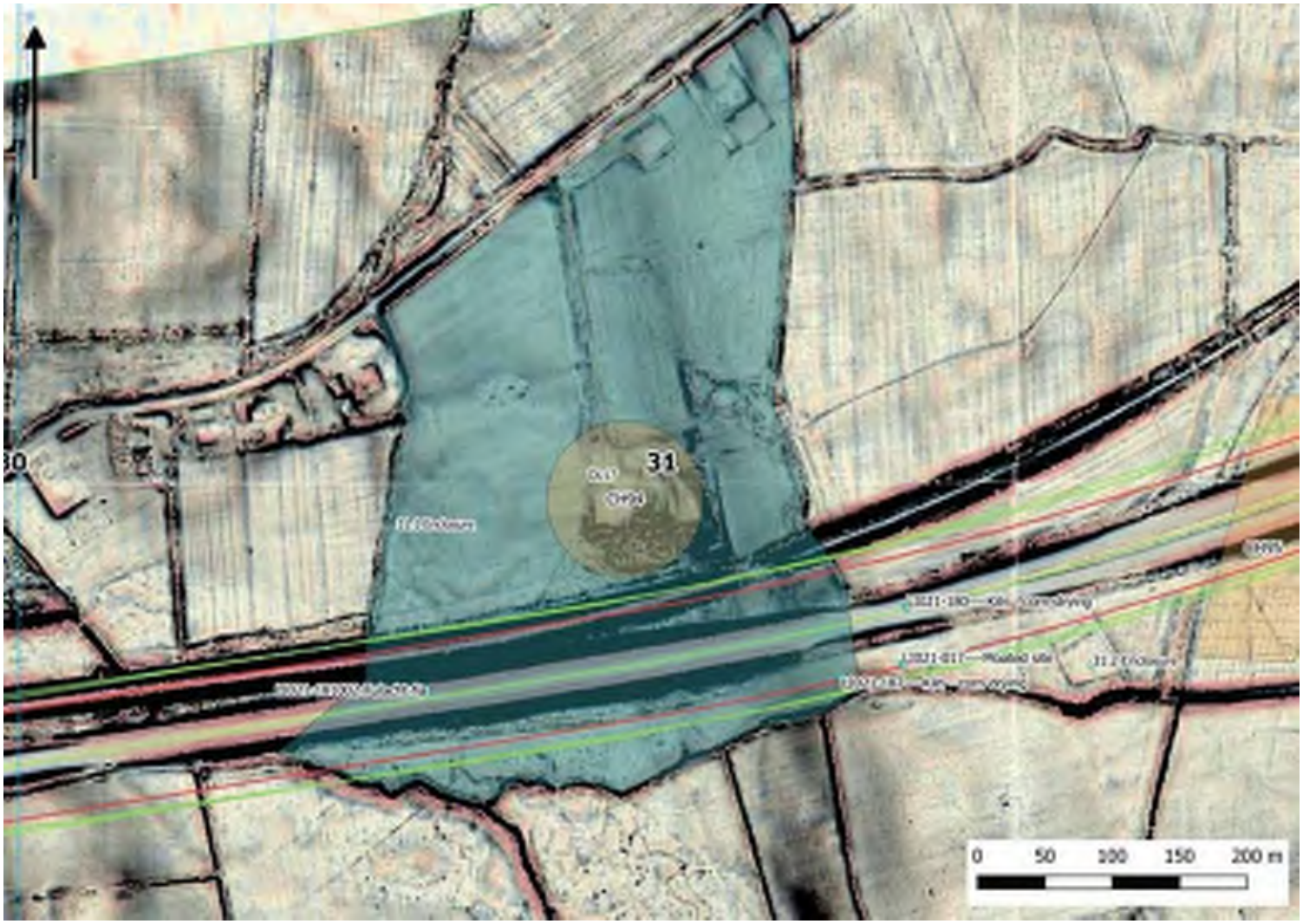


LI021-017. Marked as moated site but apparent ringfort on 6-inch series, 33.7 m diameter. No surviving trace but moated site may refer to enclosure 11.2 to the east. Scheme orthophotography

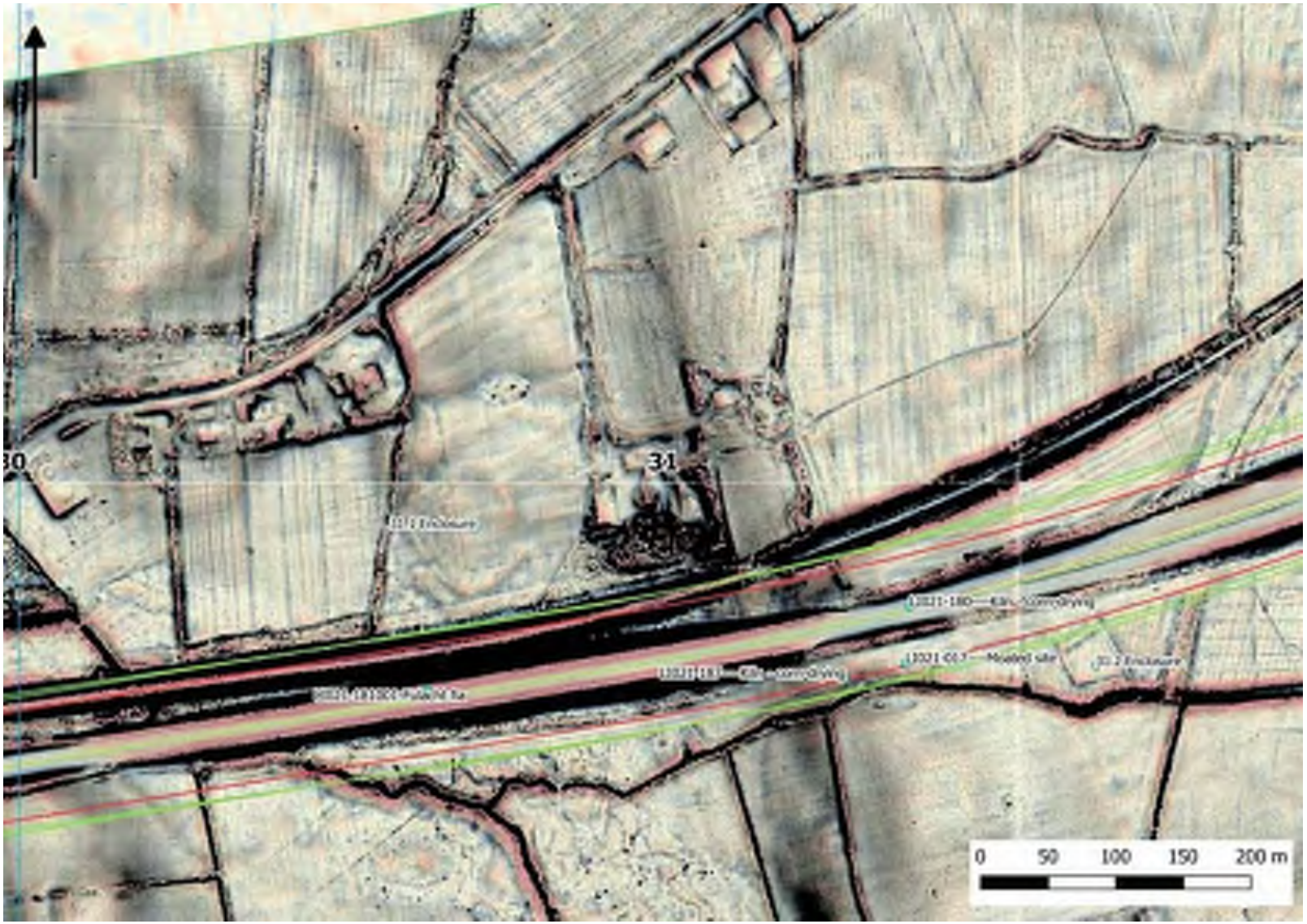


LI021-017. Marked as moated site but apparent ringfort on 6-inch series, 33.7 m diameter. No surviving trace but moated site may refer to enclosure 11.2 to the east. LRM over SVF

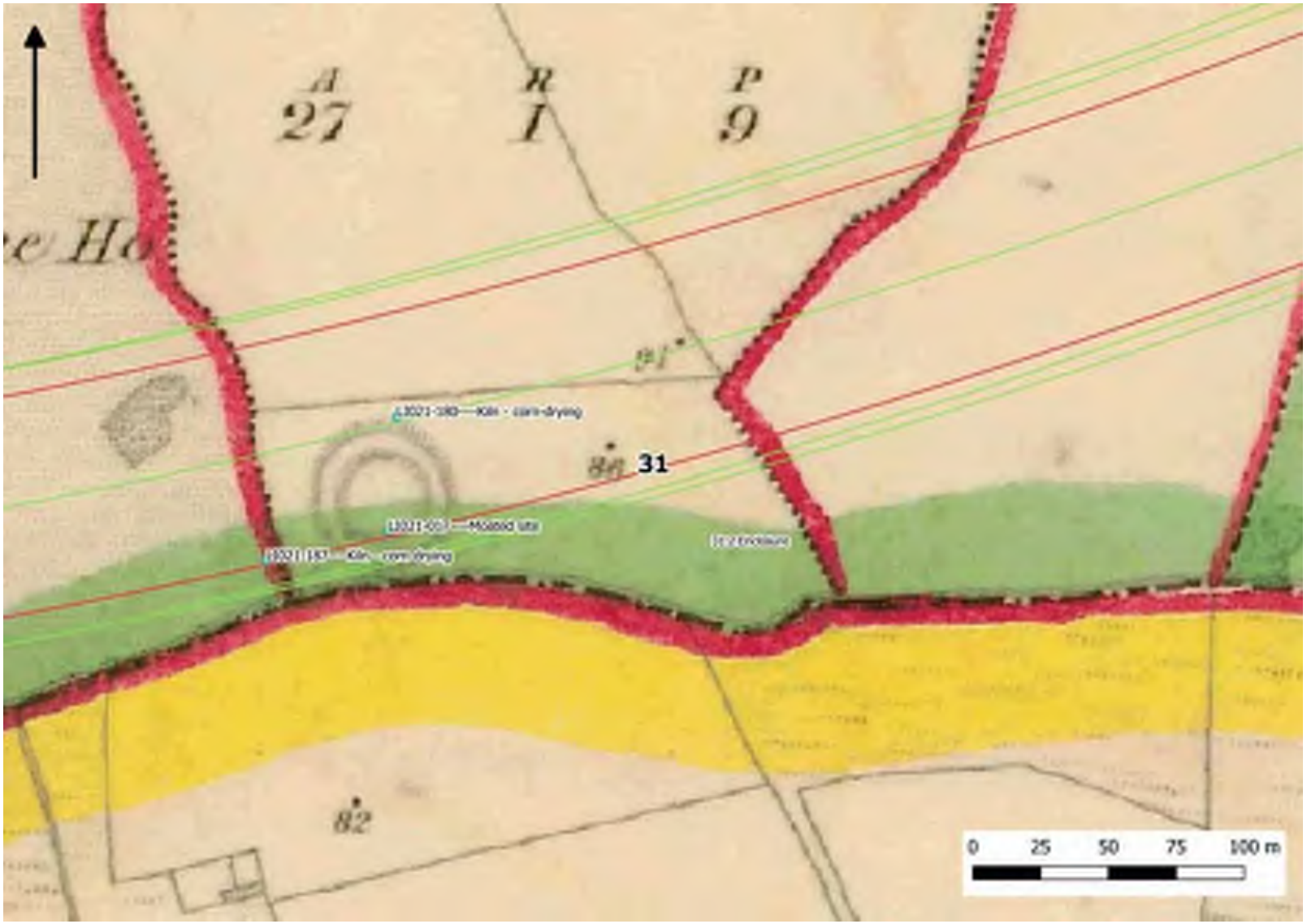
LI021-121 (AH70). Probable ringfort. Very low profile oval enclosure with broad outer fosse. Internal area 27 x 31 m. LRM over SVF image.



Feature 31.1. Possible enclosure. Sub-rectangular are 71 x 85 m. Possible demesne feature associated with Ballycarrane House. LRM over SVF image. Previously defined Demesne DL17 and CH94 shown.

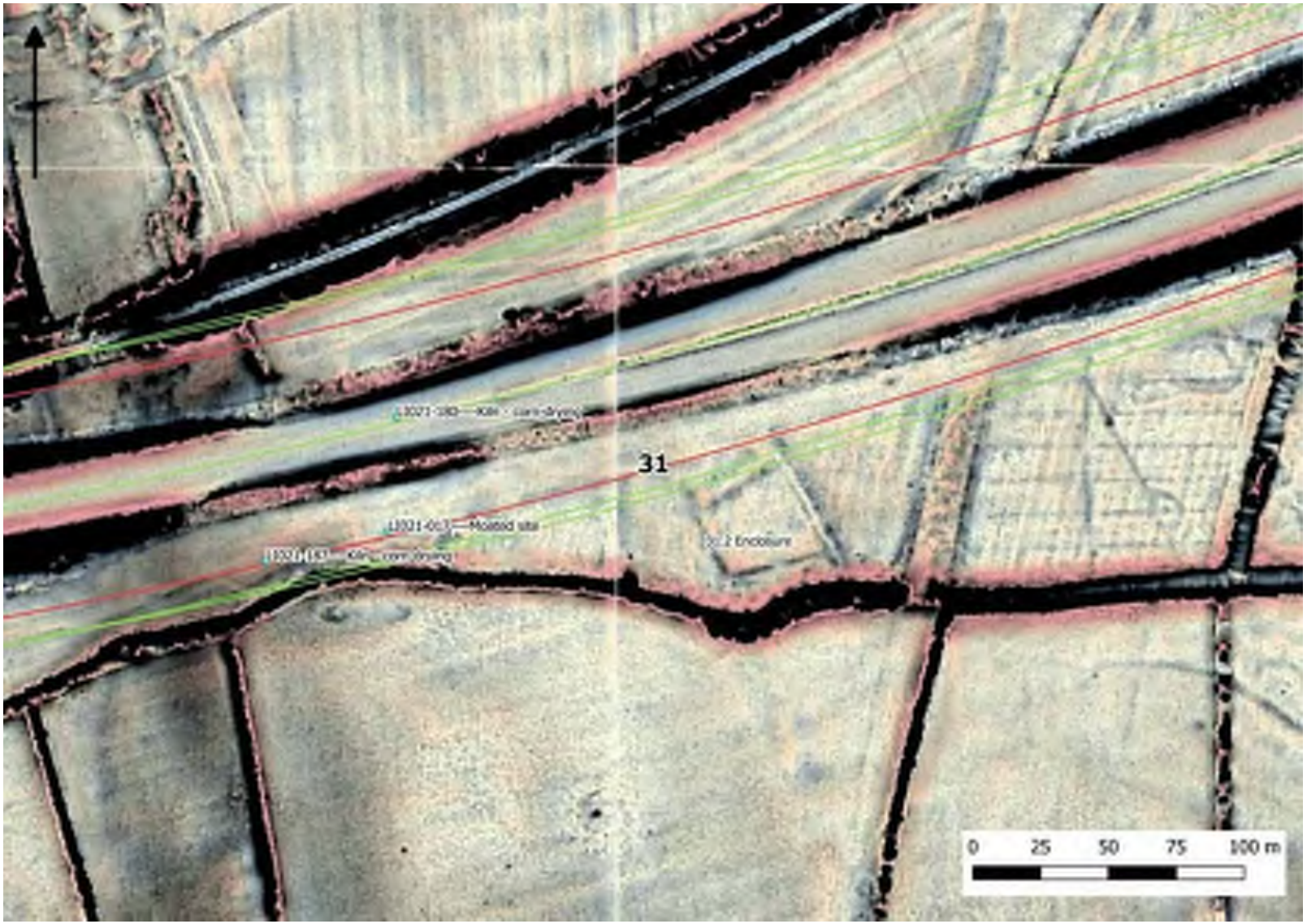


Feature 31.1. Possible enclosure. Sub-rectangular are 71 x 85 m. Possible demesne feature associated with Ballycarrane House. LRM over SVF image.

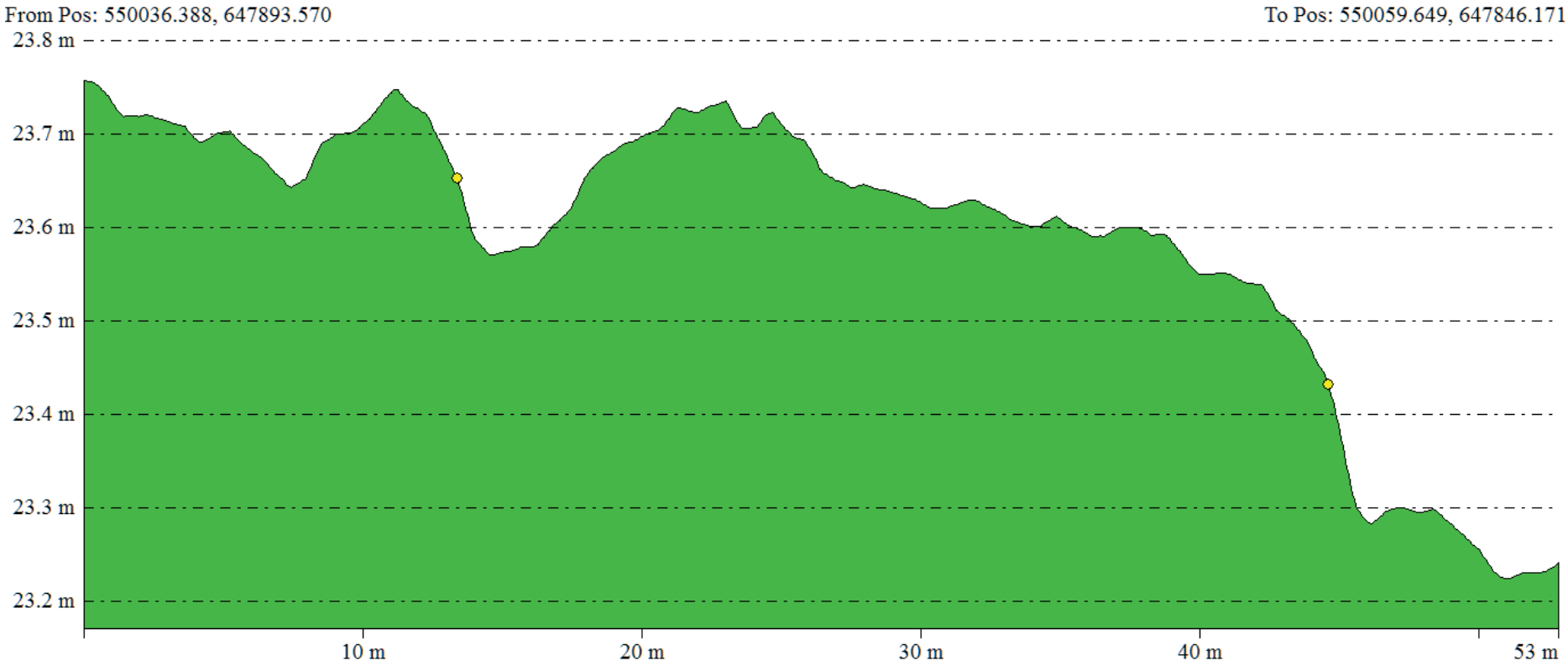


Feature 31.2. Trapezoidal enclosure, approx. 38 x 31 m. Possible moated site. 6-inch series mapping.

Feature 31.2. Trapezoidal enclosure, approx. 38 x 31 m. Possible moated site. Scheme orthophotography.



Feature 31.2. Trapezoidal enclosure, approx. 38 x 31 m. Possible moated site. LRM over SVF image.



Feature 31.2. SW-NE profile of enclosure.

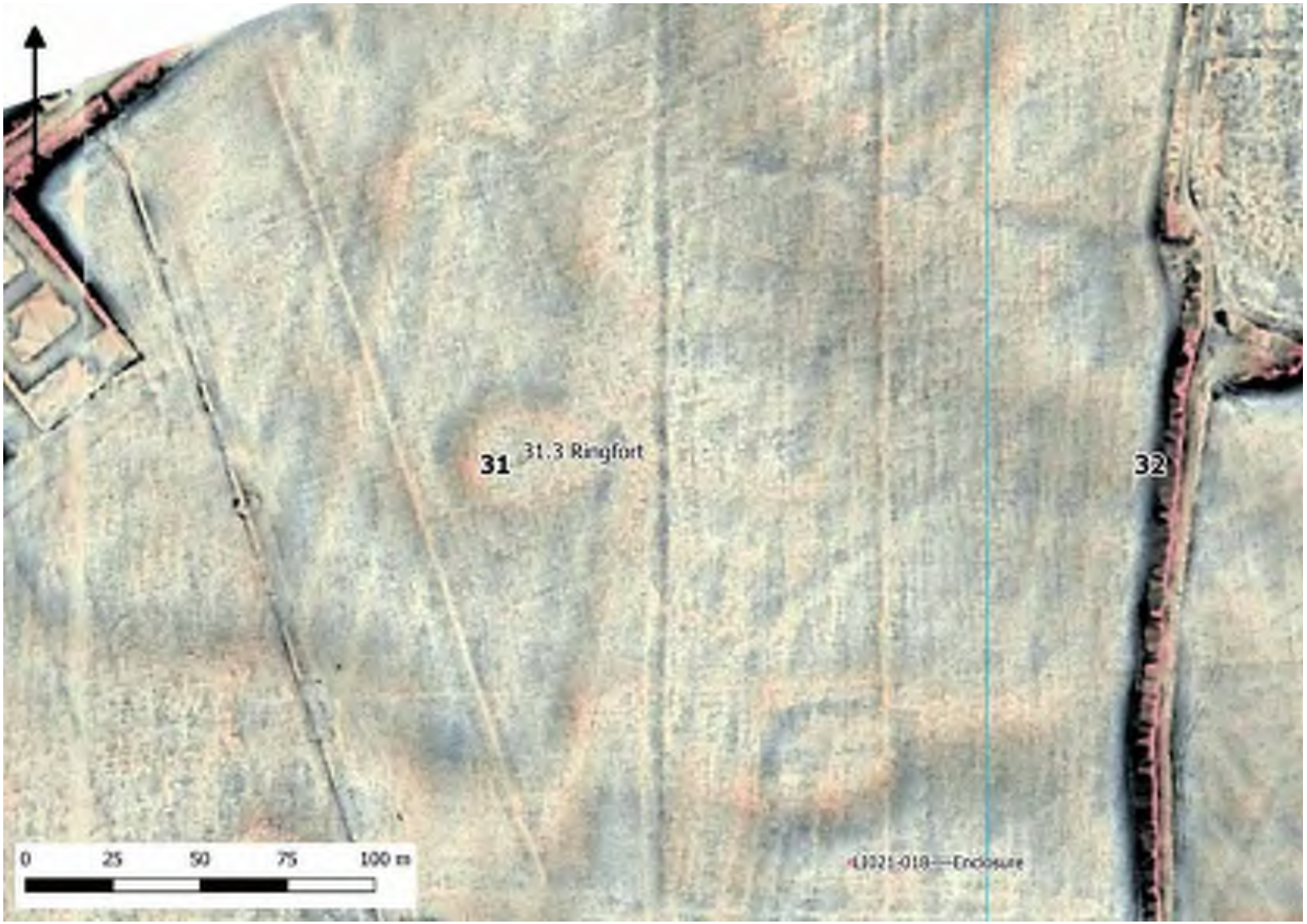
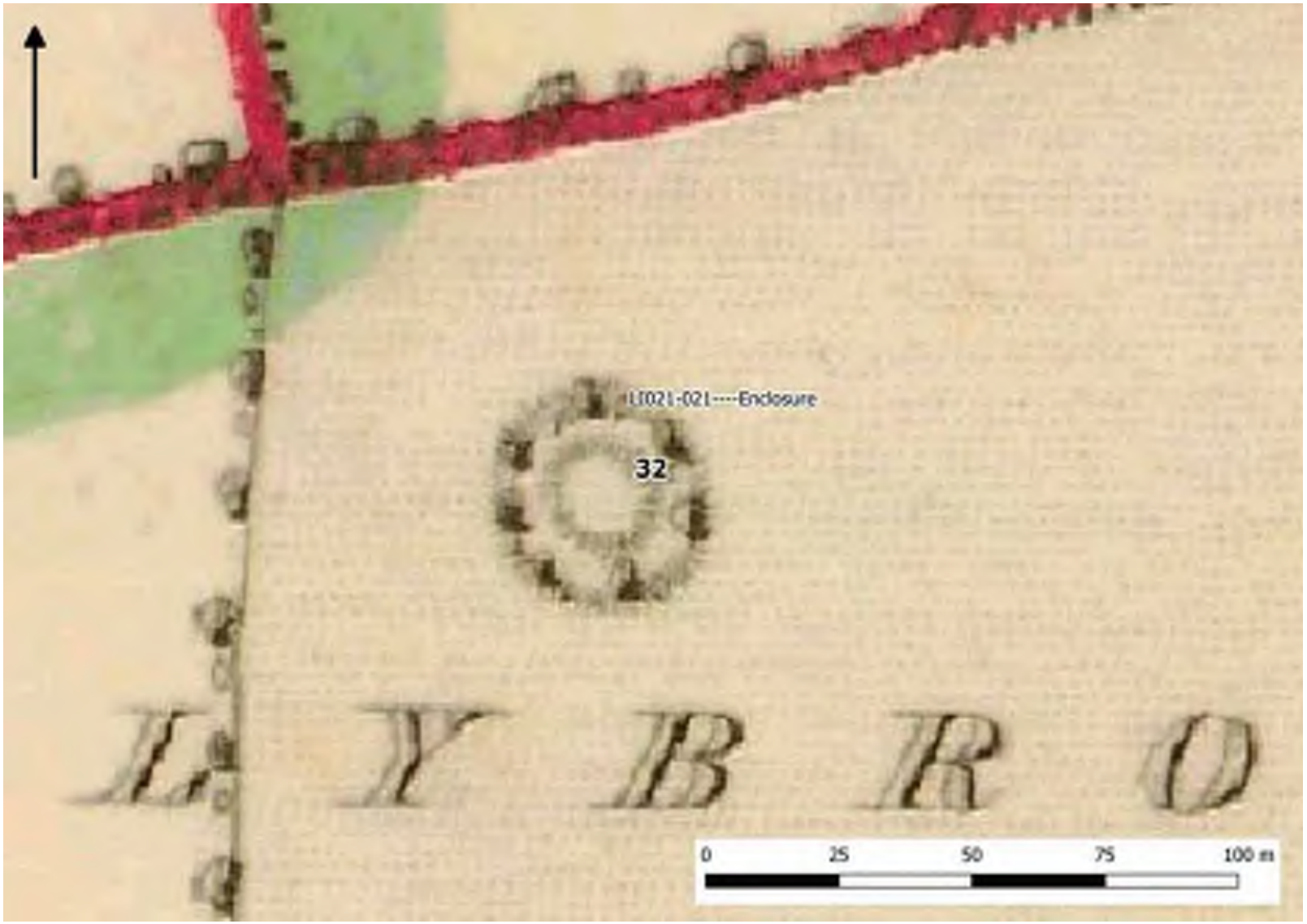


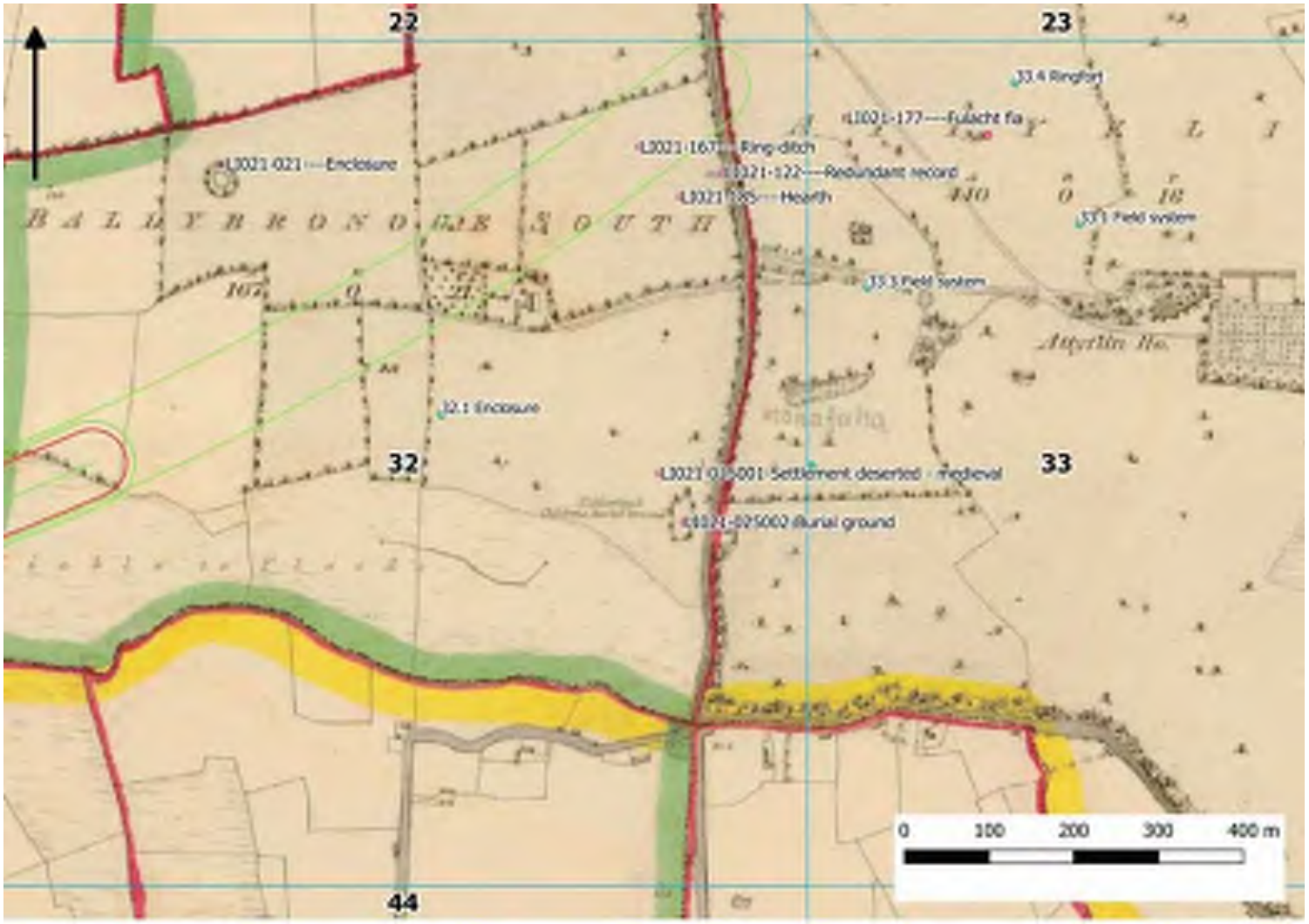
Figure 31.3. Possible ringfort, 30 m diameter. LRM over SVF image.

Grid 32



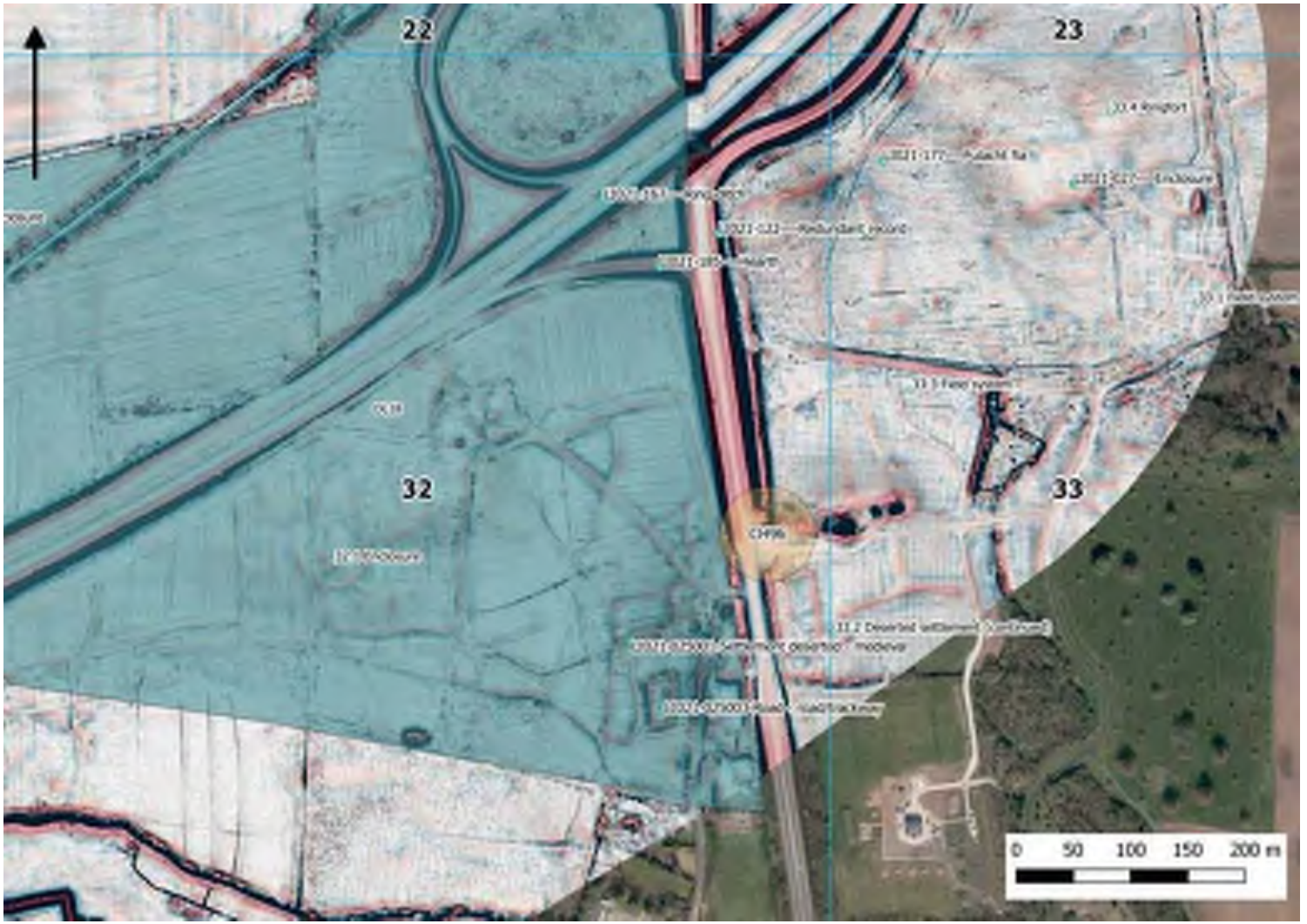
LI021-021 (AH74). Probable ringfort. Almost removed by railway. Small section remains to the north. 28 m diameter from 6-inch mapping. Located within DL18.

LI021-021 (AH74). Probable ringfort. Almost removed by railway. Small section remains to the north. 28 m diameter from 6-inch mapping. Located within DL18. LRM over SVF image.

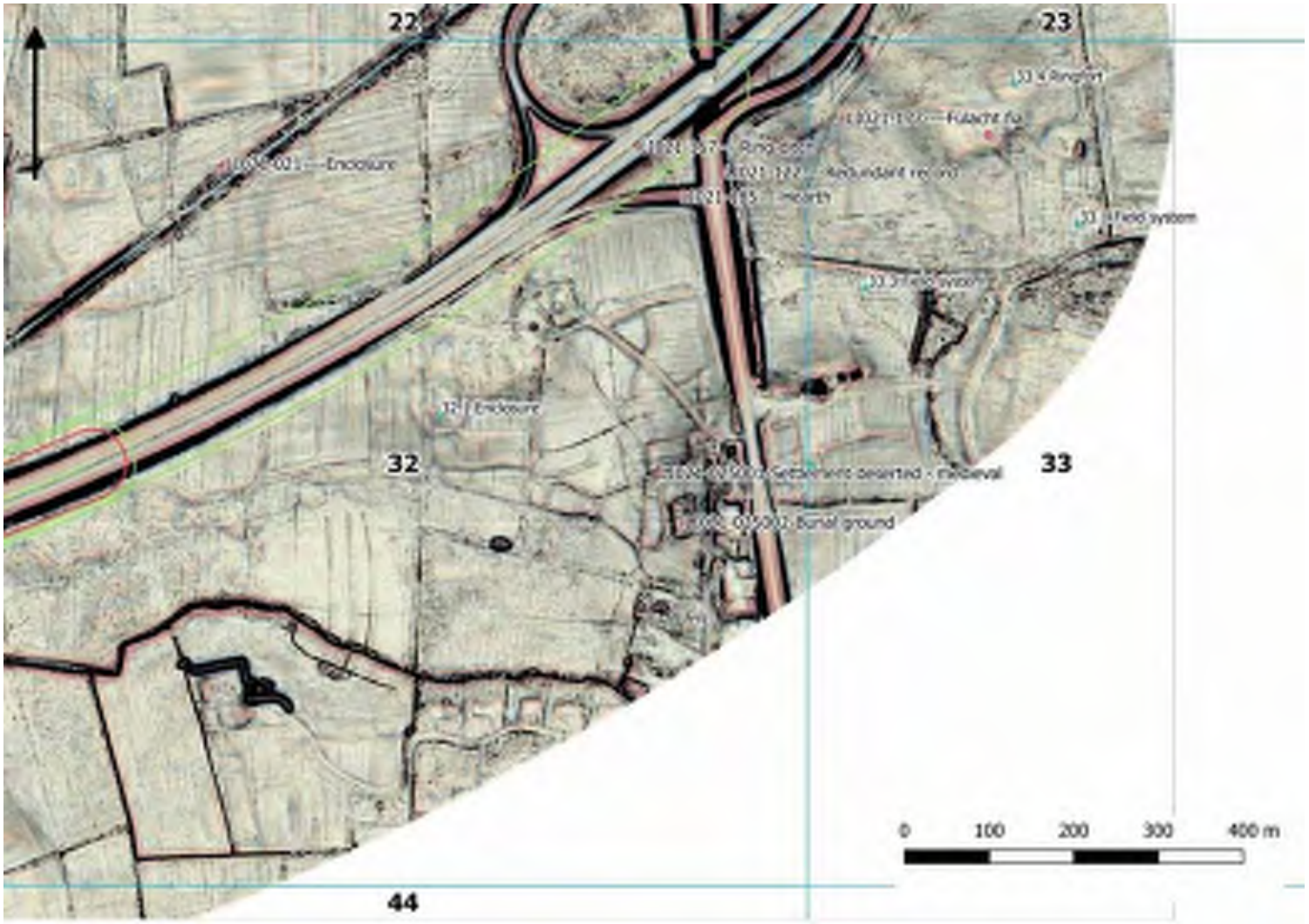


LI021-025001. Extensive network of enclosure and field systems. Partially excavated in advance of the N20/N21 Adare-Limerick road project. Occupies an area of c. 1500m^2
LI021-025002. Visible as D-shaped enclosure, 21 x 41 m
LI021-025003. Visible as hollow-way approx. W-E direction for over 300 m, 6 m across. 6-inch series mapping.

LI021-025001. Extensive network of enclosure and field systems. Partially excavated in advance of the N20/N21 Adare-Limerick road project. Occupies an area of c. 1500m^2
LI021-025002. Visible as D-shaped enclosure, 21 x 41 m
LI021-025003. Visible as hollow-way approx. W-E direction for over 300 m, 6 m across. Scheme orthophotography.



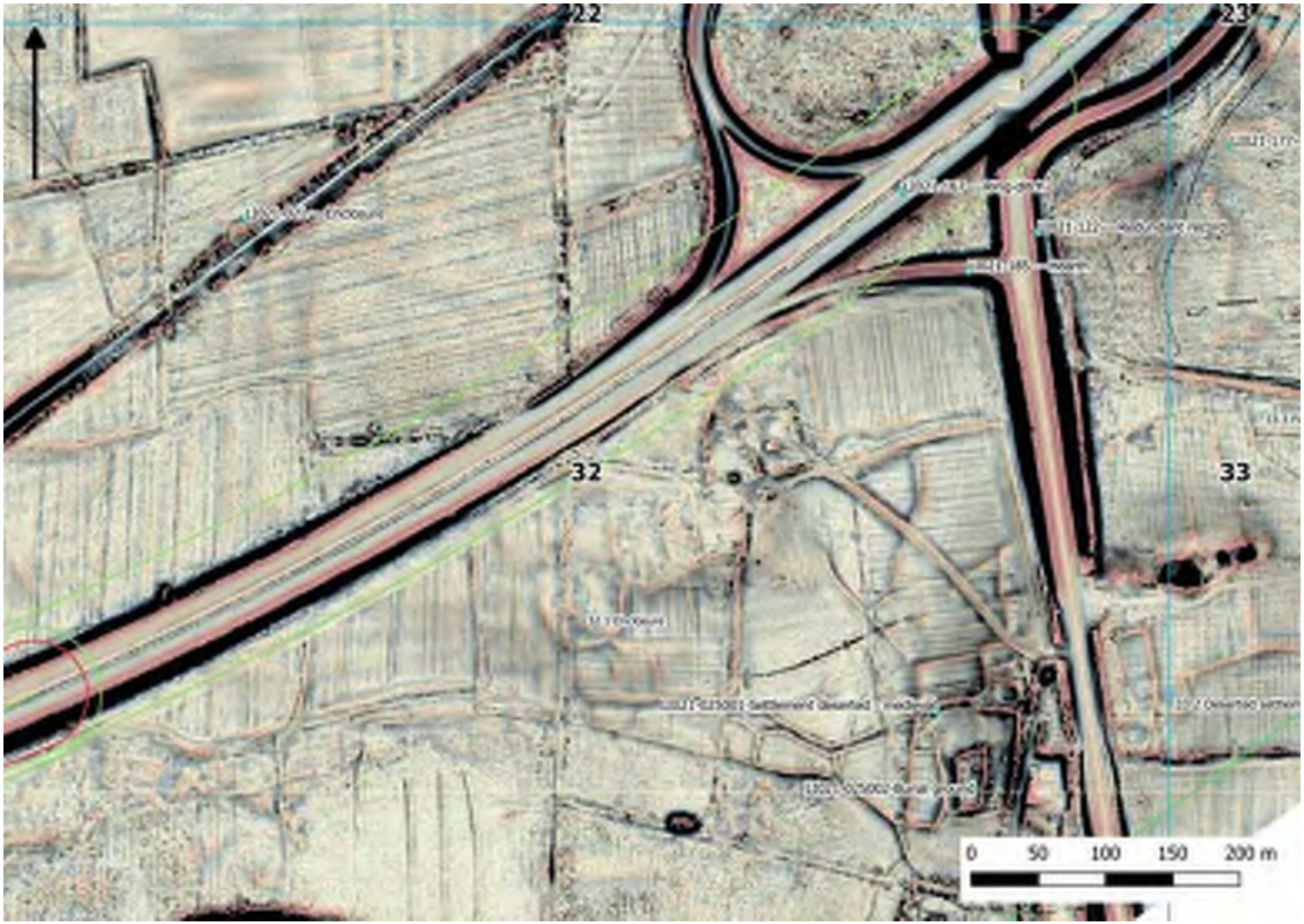
LI021-025001. Extensive network of enclosure and field systems. Partially excavated in advance of the N20/N21 Adare-Limerick road project. Occupies an area of c. 1500m^2
LI021-025002. Visible as D-shaped enclosure, 21 x 41 m
LI021-025003. Visible as hollow-way approx. W-E direction for over 300 m, 6 m across. LRM over SVF showing previously identified assets DL18 and CH96. See also Fig. 23.



LI021-025001. Extensive network of enclosure and field systems. Partially excavated in advance of the N20/N21 Adare-Limerick road project. Occupies an area of c. 1500m^2
LI021-025002. Visible as D-shaped enclosure, 21 x 41 m
LI021-025003. Visible as hollow-way approx. W-E direction for over 300 m, 6 m across. LRM over SVF image. See also Fig. 23.

Feature 32.1. Large, circular enclosure with some subdivision, c. 55 x 51 m diameter. Possible ecclesiastical site. Perhaps associated with cilín at Killasragh to the east (LI-21-025002).
Feature 33.2. Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m. 6-inch mapping. See also Fig. 23.

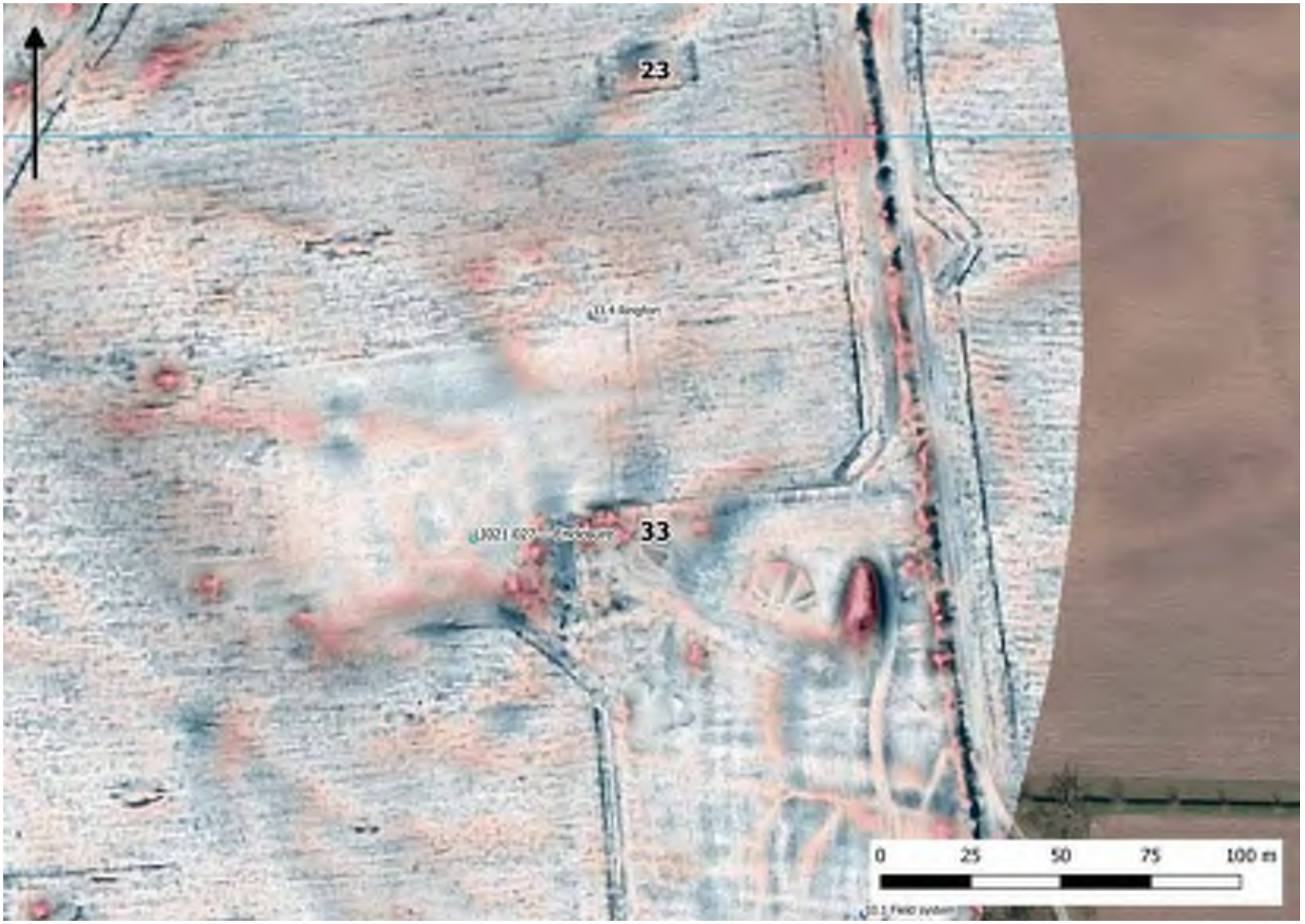
Feature 32.1. Large, circular enclosure with some subdivision, c. 55 x 51 m diameter. Possible ecclesiastical site. Perhaps associated with cilín at Killasragh to the east (LI-21-025002).
Feature 33.2. Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m. Scheme orthophotography. See also Fig. 23.



Feature 32.1. Large, circular enclosure with some subdivision, c. 55 x 51 m diameter. Possible ecclesiastical site. Perhaps associated with cilín at Killasragh to the east (LI-21-025002).
Feature 33.2. Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m. LRM over SVF image. See also Fig. 23.

Grid 33

LI021-027. Approximately square enclosure defined by narrow bank, 30 m x 30 m. Possible demesne feature of Attyflin House. Scheme orthophotography.



LI021-027. Approximately square enclosure defined by narrow bank, 30 m x 30 m. Possible demesne feature of Attyflin House. LRM over SVF image.

Feature 32.1. Large, circular enclosure with some subdivision, c. 55 x 51 m diameter. Possible ecclesiastical site. Perhaps associated with cilín at Killasragh to the east (LI-21-025002).
Feature 33.2. Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m. 6-inch mapping

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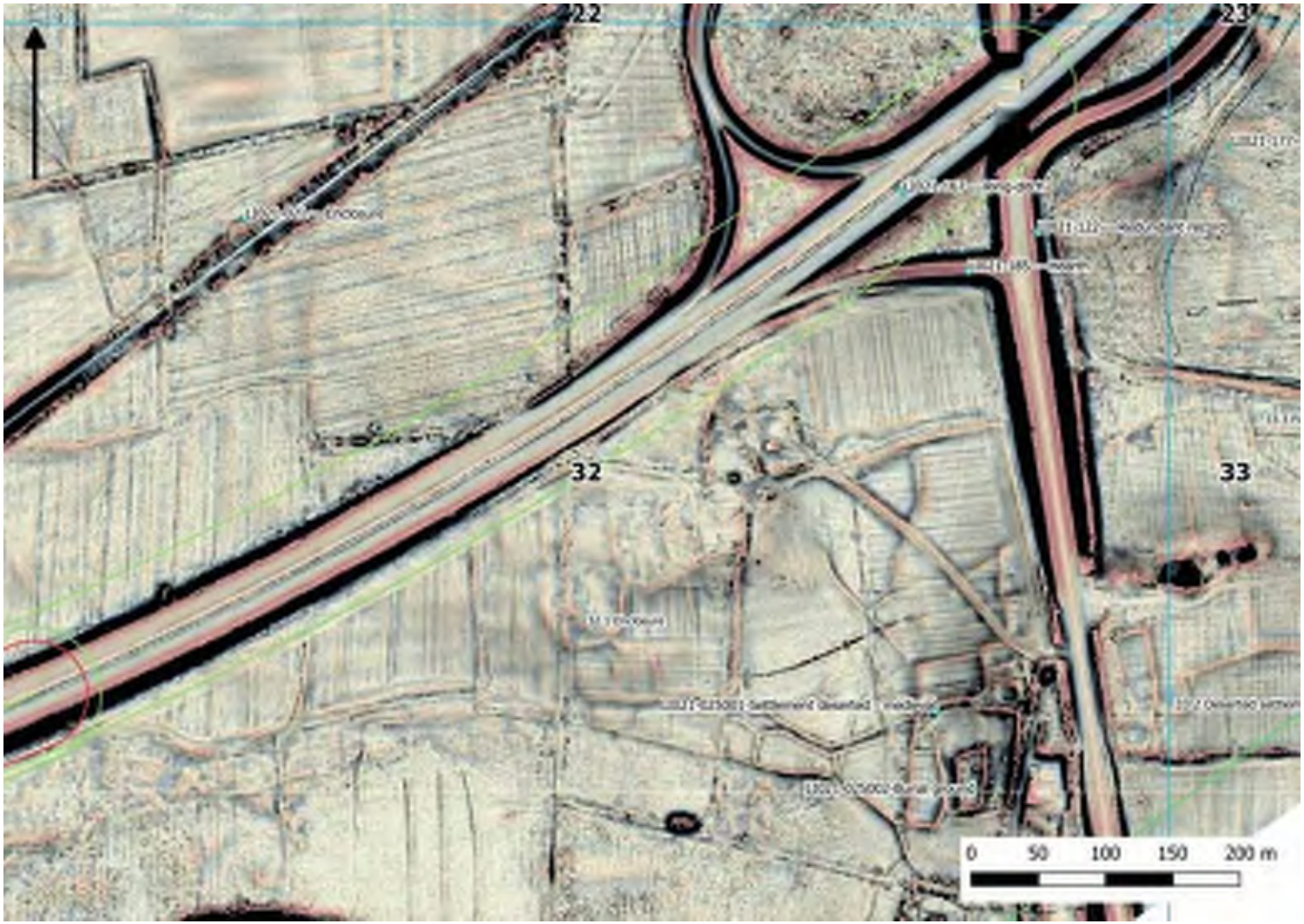
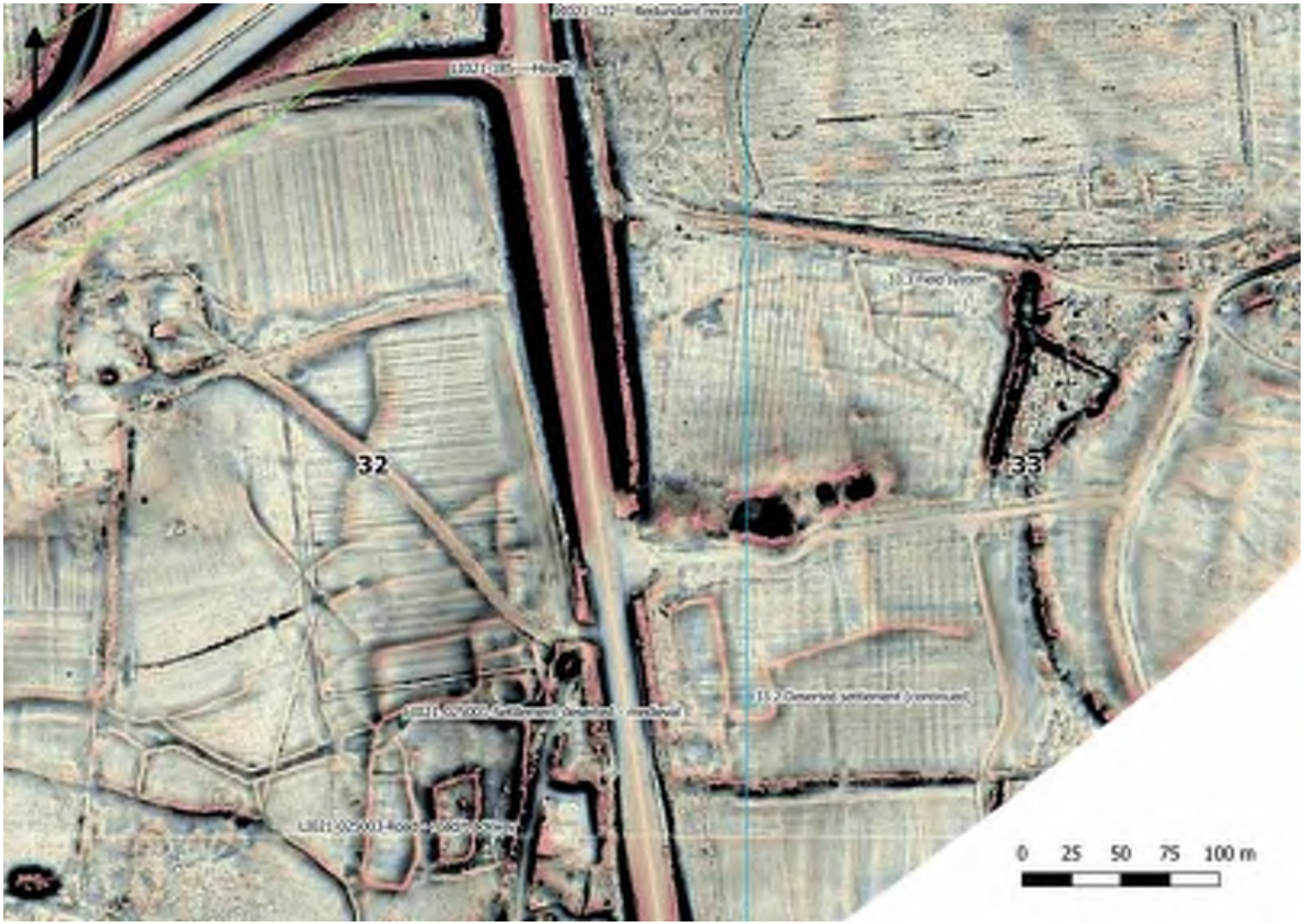
Feature 33.2. Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m. Scheme orthophotography.

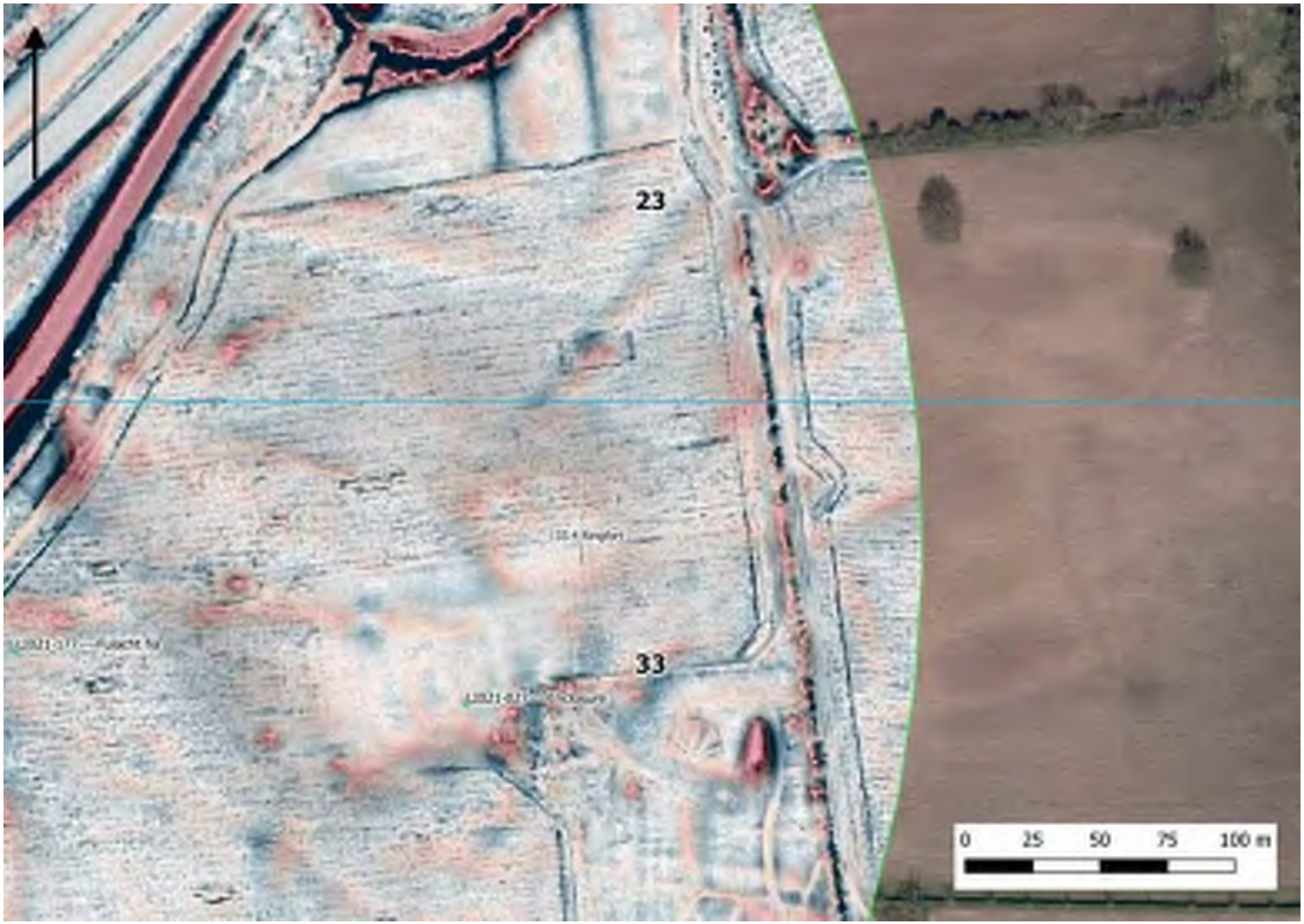


Feature 32.1. Large, circular enclosure with some subdivision, c. 55 x 51 m diameter. Possible ecclesiastical site. Perhaps associated with cilín at Killasragh to the east (LI-21-025002).
Feature 33.2. Deserted settlement. Continuation of LI021-025001 to the east of road. 65 x 26 m. LRM over SVF image. See also Fig. 23.

Feature 33.1. Possible deserted settlement in grounds of Attyflin House. May include designed landscape features. LRM over SVF image. See also Fig. 23.



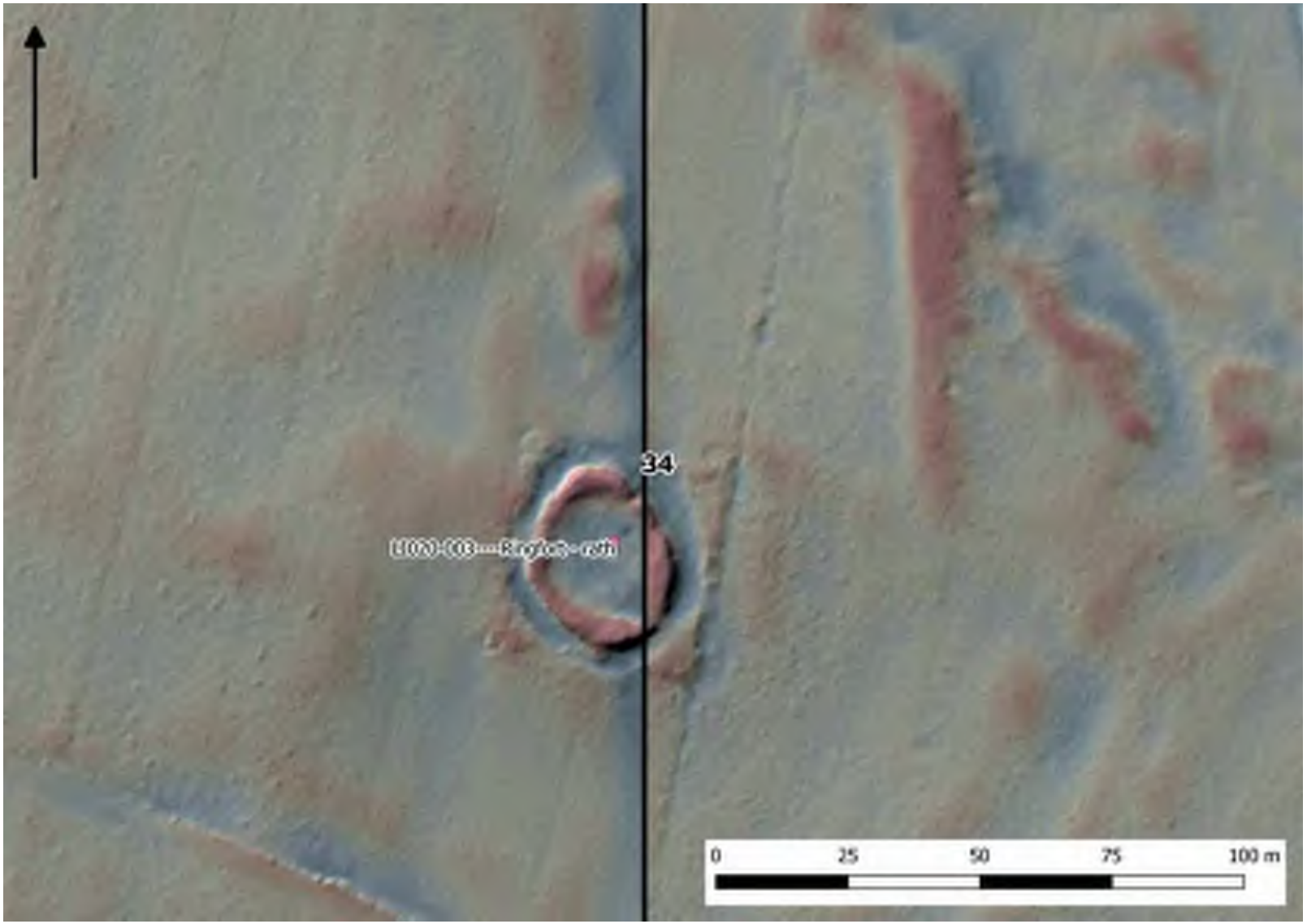
Feature 33.3. Rectangular enclosure as part of field system, c. 26 x 26 m but partially obscured by road. Possibly continuation of LI021-025001. LRM over SVF image. See also Fig. 23.



Feature 33.4. Ringfort adjacent to LI021-027. Diameter 41 m. LRM over SVF image.

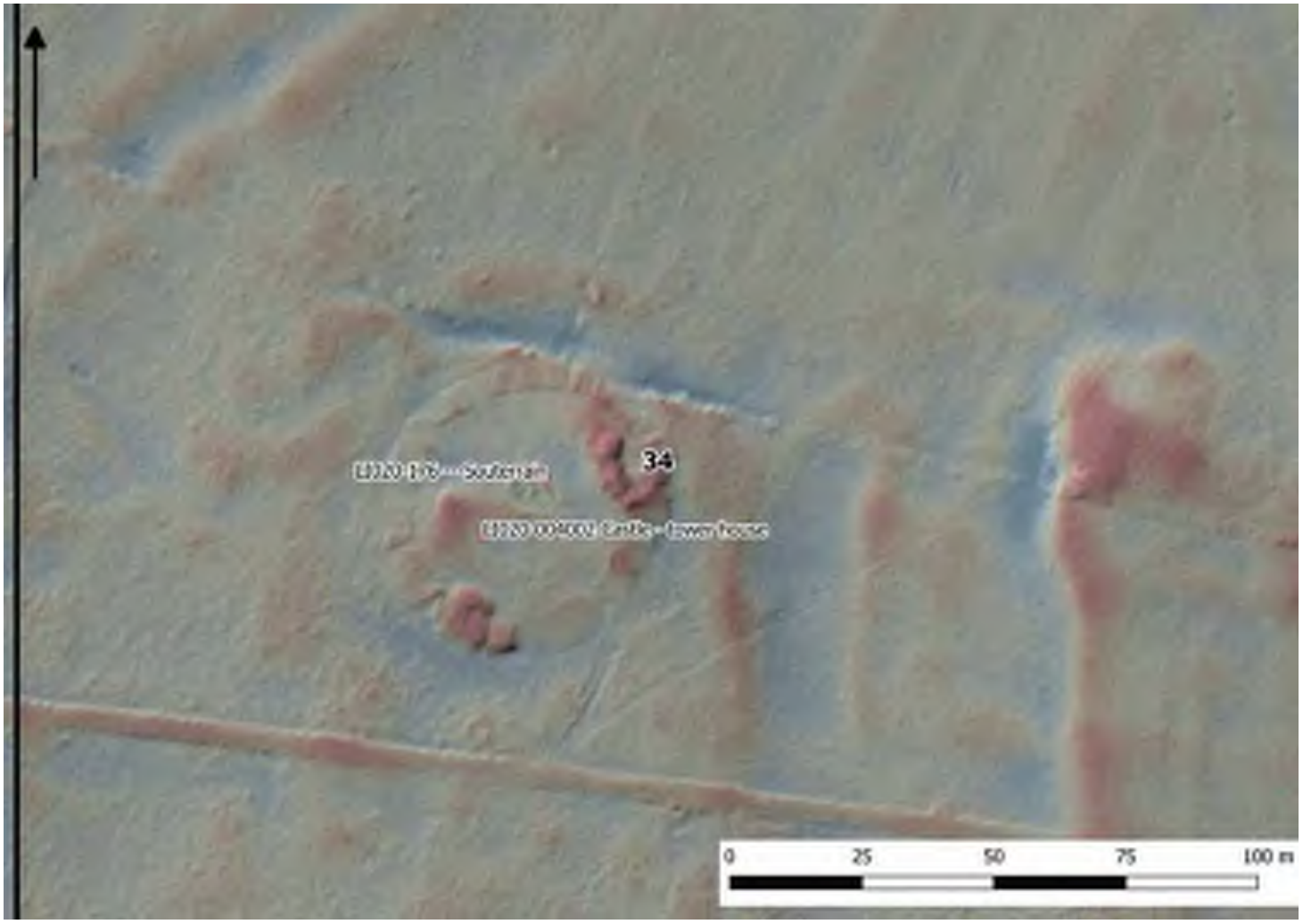
Grid 34

LI020-003. Well-preserved ringfort, 29 x 34 m diameter with substantial outer fosse. Scheme orthophotography.



LI020-003. Well-preserved ringfort, 29 x 34 m diameter with substantial outer ditch. LRM over 16-direction hillshade.

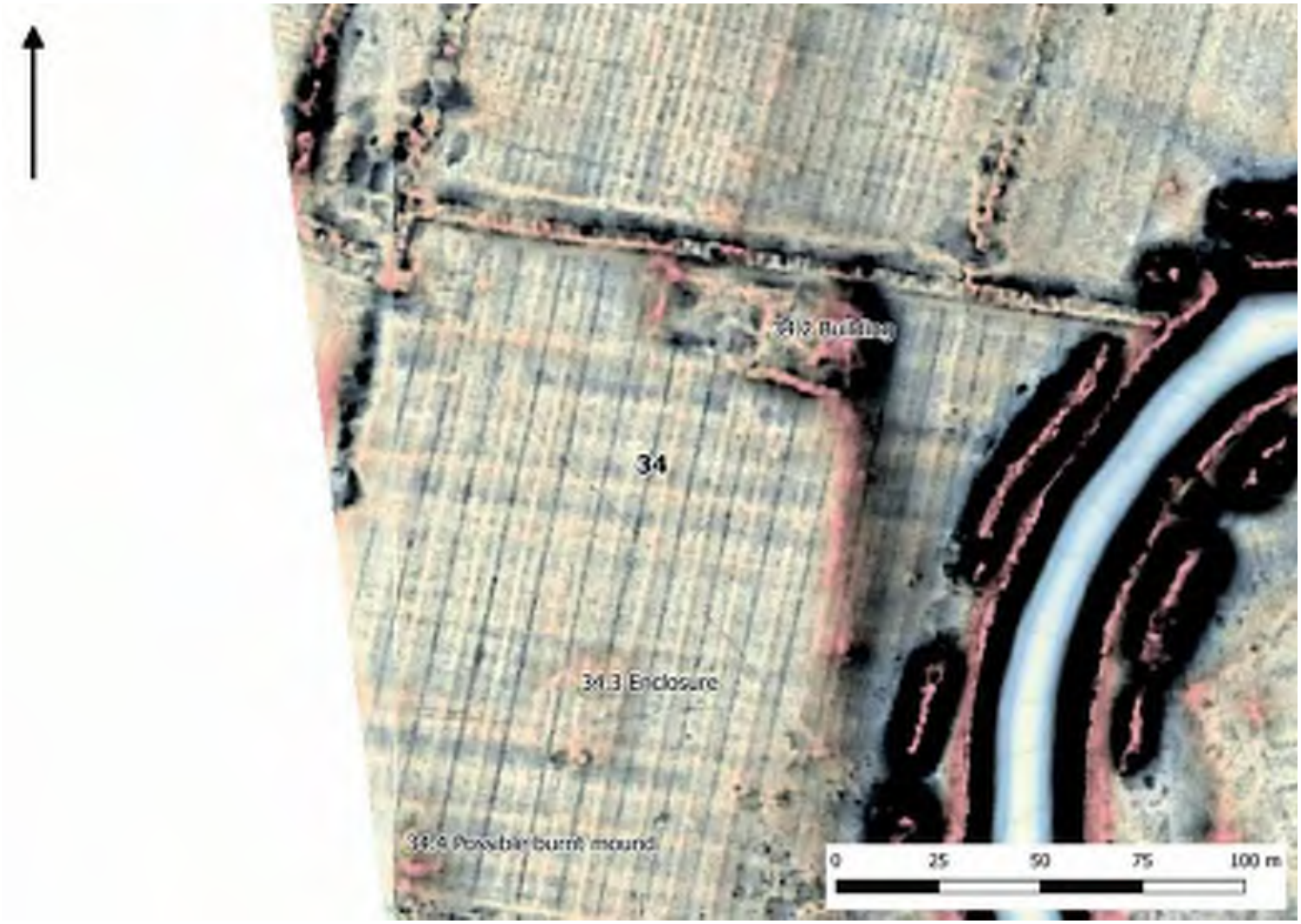
LI020-004001 (AH88). Substantial cashel, partially demolished to SE probably representing original entrance. Internal diameter 46.4 m, walls up to 4.5 m thick. Internal wall in NE of enclosure.
LI020-004002 (AH88). Slight trace of rectangular platform, but barely discernible
LI020-176 (AH88). Suggestion of sunken area possibly representing the infilled souterrain. Scheme orthophotography.



LI020-004001 (AH88). Substantial cashel, partially demolished to SE probably representing original entrance. Internal diameter 46.4 m, walls up to 4.5 m thick. Internal wall in NE of enclosure. LRM over 16-direction hillshade.
LI020-004002 (AH88). Slight trace of rectangular platform, but barely discernible
LI020-176 (AH88). Suggestion of sunken area possibly representing the infilled souterrain.

Feature 34.1. Substantial hollow-way, 18 m across, 135 m in length. Potentially connected to LI010-004002. LRM over SVF image.

Feature 34.2. Possible building/farmstead. 48 x 18 m. Not recorded on 6 inch mapping.
Feature 34.3. Possible ringfort. 30.3 x 22 m diameter.
Feature 34.4. Crescentic mound, 11.5 m diameter. Riverside location suggestive of burnt mound. Scheme orthophotography.

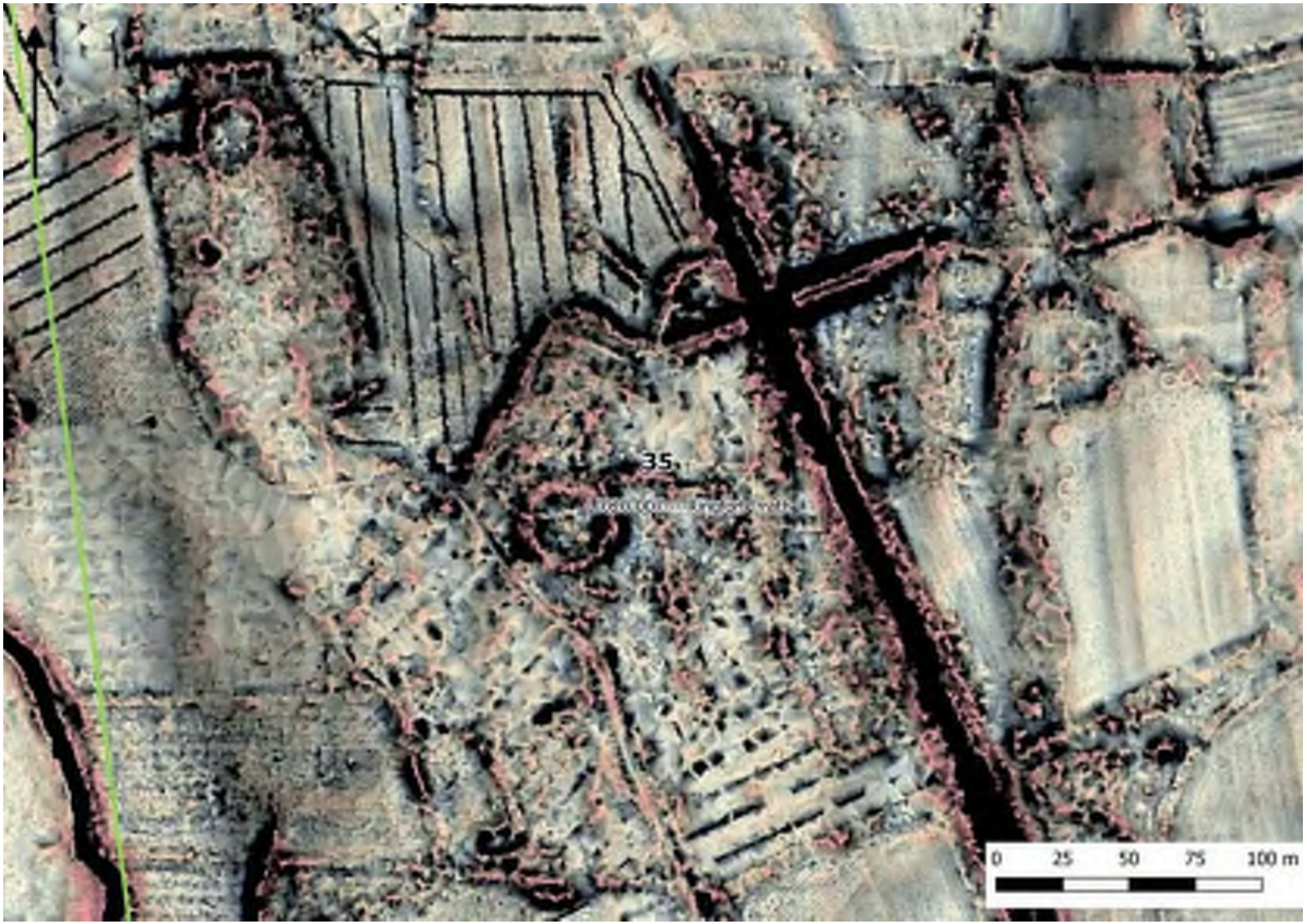


Feature 34.2. Possible building/farmstead. 48 x 18 m. Not recorded on 6 inch mapping.
Feature 34.3. Possible ringfort. 30.3 x 22 m diameter
Feature 34.4. Crescentic mound, 11.5 m diameter. Riverside location suggestive of burnt mound. LRM over SVF image.

Grid 35

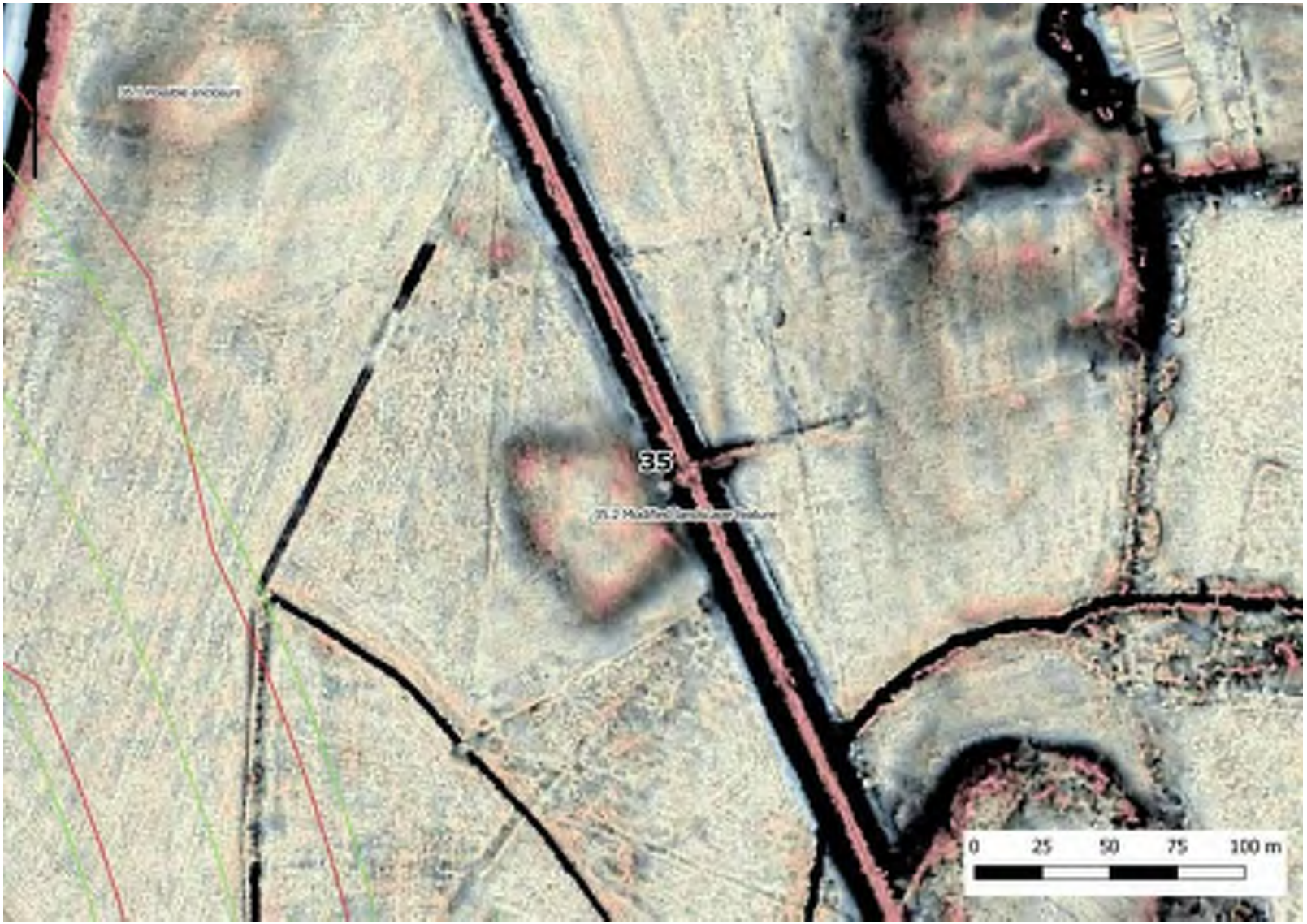
LI020-005 (AH87). No visible trace remains. LRM over SVF image.

LI020-007 (AH86). Ringfort under heavy woodland. 30 m diameter. Scheme orthophotography.



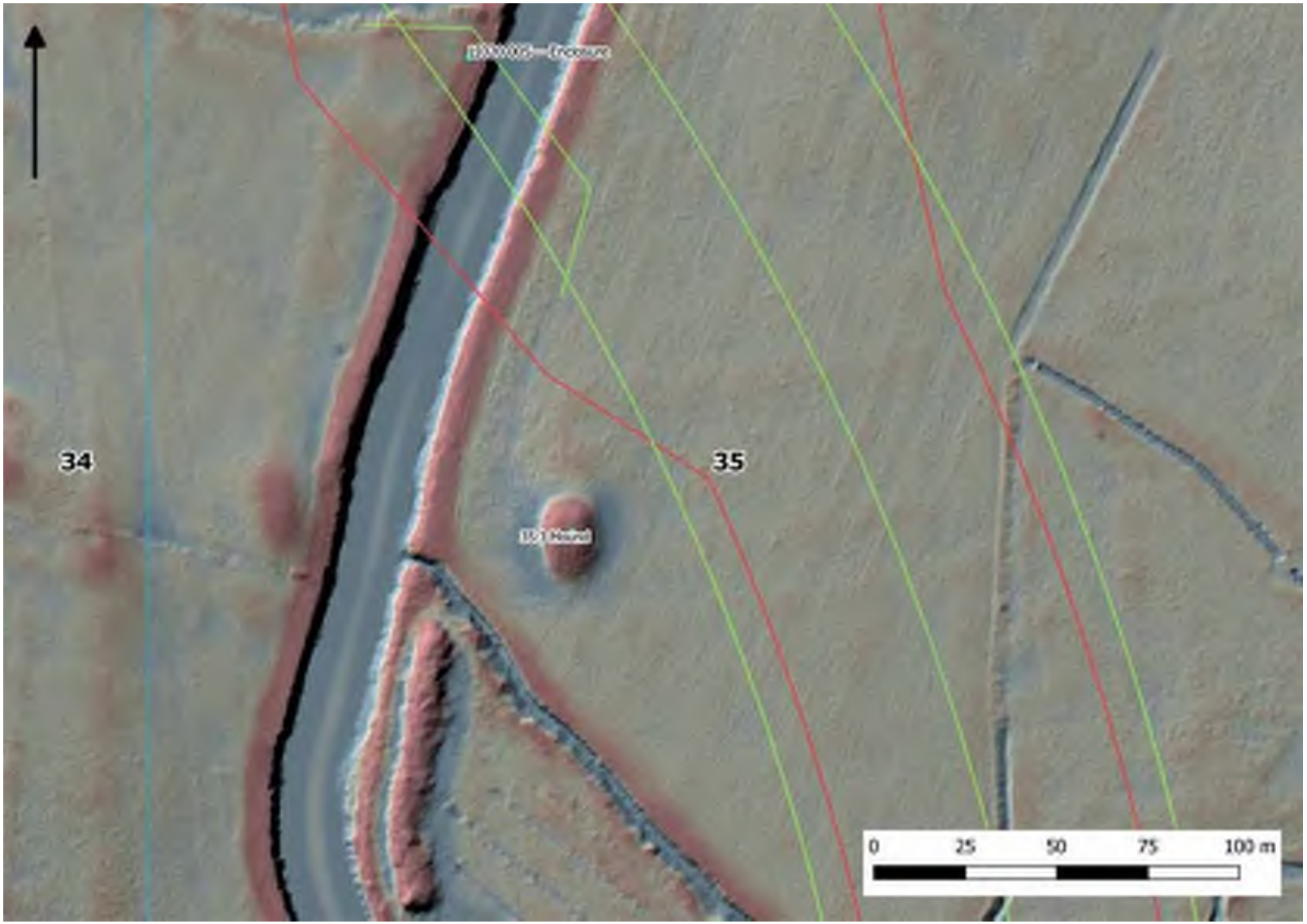
LI020-007 (AH86). Ringfort under heavy woodland. 30 m diameter. LRM over SVF image.

Feature 35.1. Possible enclosure; however, form suggests this might be a small quarry. 26 x 24 m. LRM over SVF image.

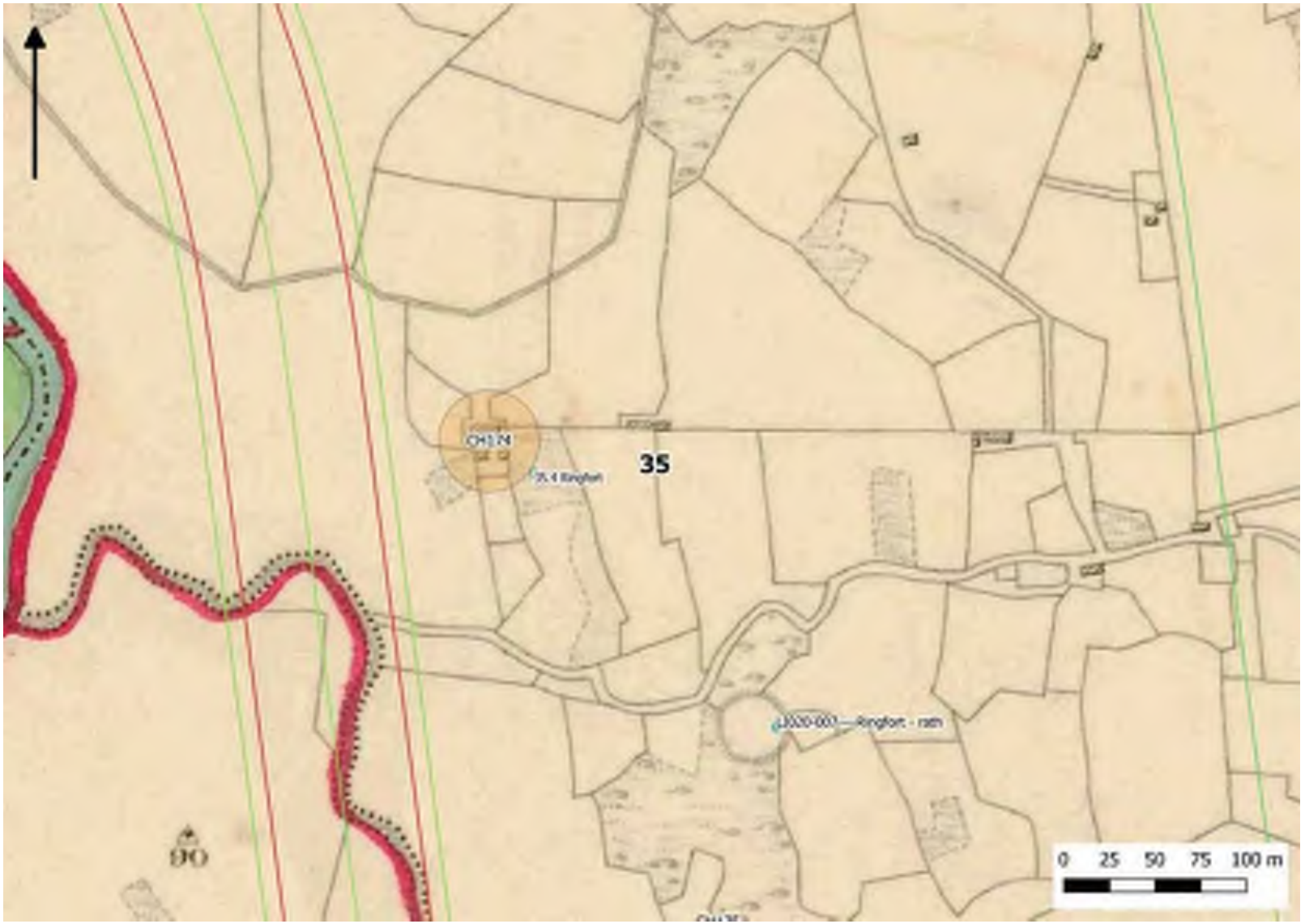


Feature 35.2. Rectangular platform, 44 x 56 m. Probably a natural rise with some modification. LRM over SVF image.

Feature 35.3. Tree-covered mound, 10 m diameter. Possibly landscape feature. Scheme orthophotography.



Feature 35.3. Tree-covered mound, 10 m diameter. Possibly landscape feature. LRM over 16-direction hillshade.



Feature 35.4. Ringfort, c. 27.5 x 24 m diameter. Under heavy woodland. 6 inch mapping

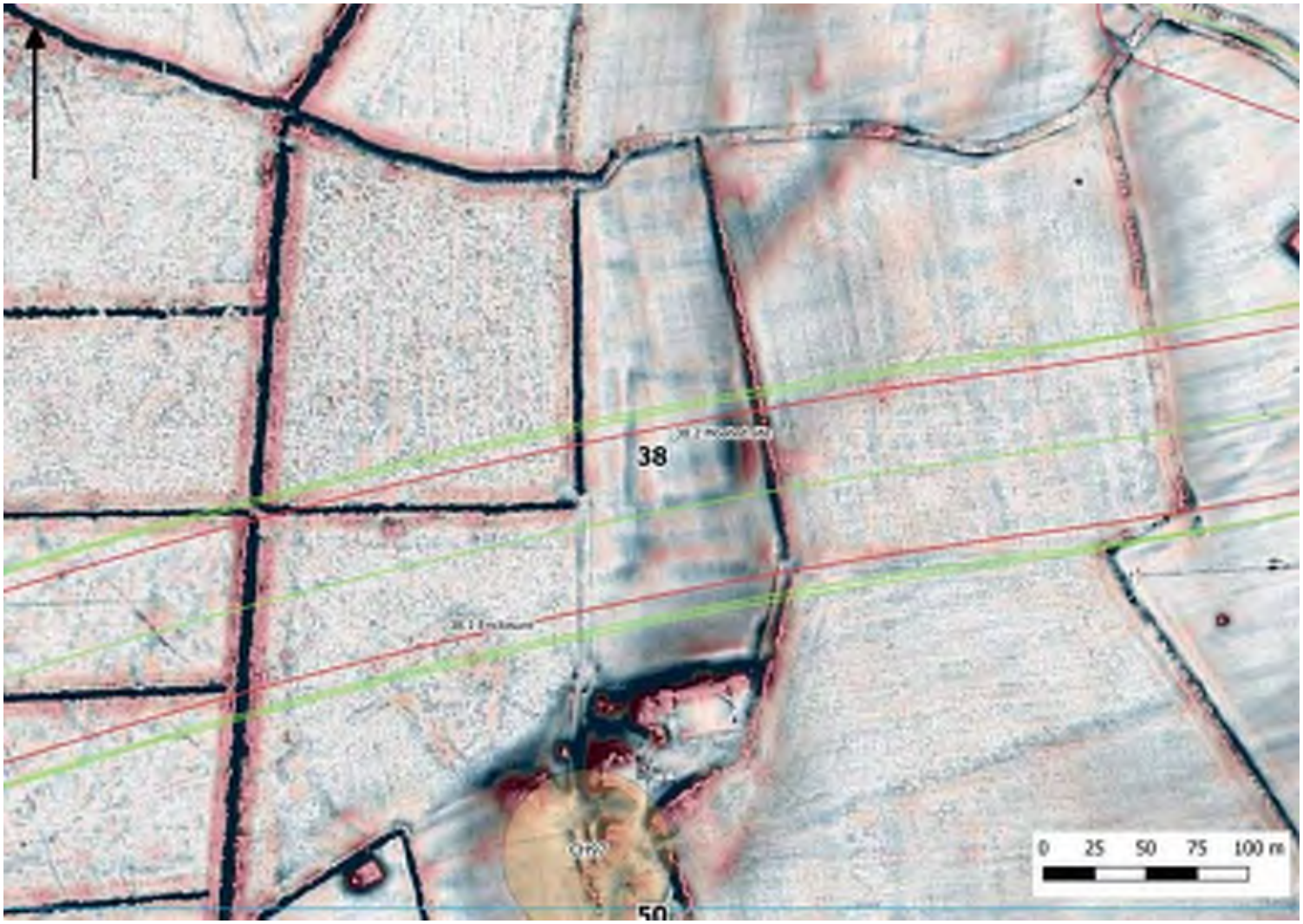
Feature 35.4. Ringfort, c. 27.5 x 24 m diameter. Under heavy woodland. Scheme orthophotography. Orange shading marks previously highlighted area CH174.

Feature 35.4. Ringfort, c. 24 m diameter. Under heavy woodland. LRM over SVF. Adjacent to, but not related to CH174.

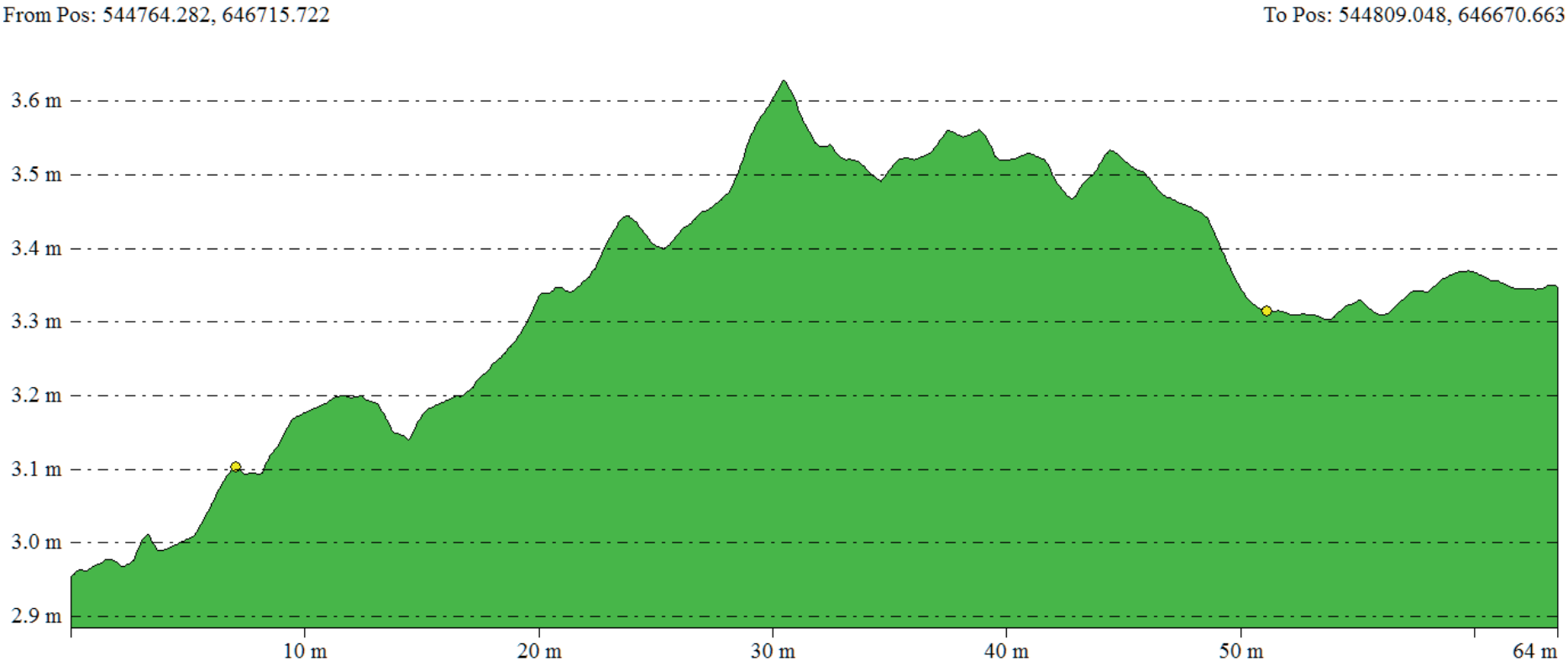
Feature 35.5. Small, crescentic mound located adjacent to river, c. 13 m diameter with underlying spread N-S. LRM over SVF image.

Grid 38

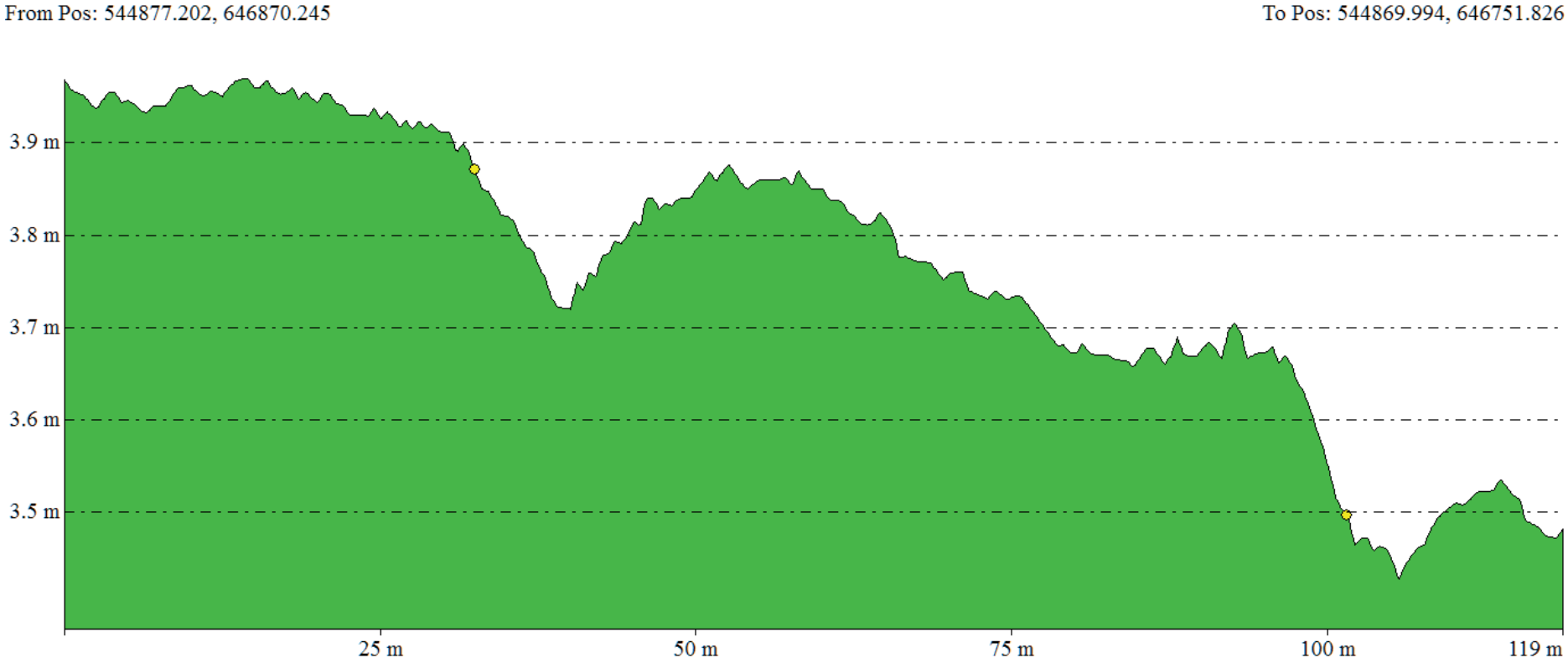
Feature 38.1. Possible enclosure. Curving bank to north with some disruption to south. 45 m diameter
Feature 38.2. Large moated site. 54 x 43m to exterior of ditches. Scheme orthophotography.



Feature 38.1. Possible enclosure. Curving bank to north with some disruption to south. 45 m diameter
Feature 38.2. Large moated site. 54 x 43m to exterior of ditches. LRM over SVF image.

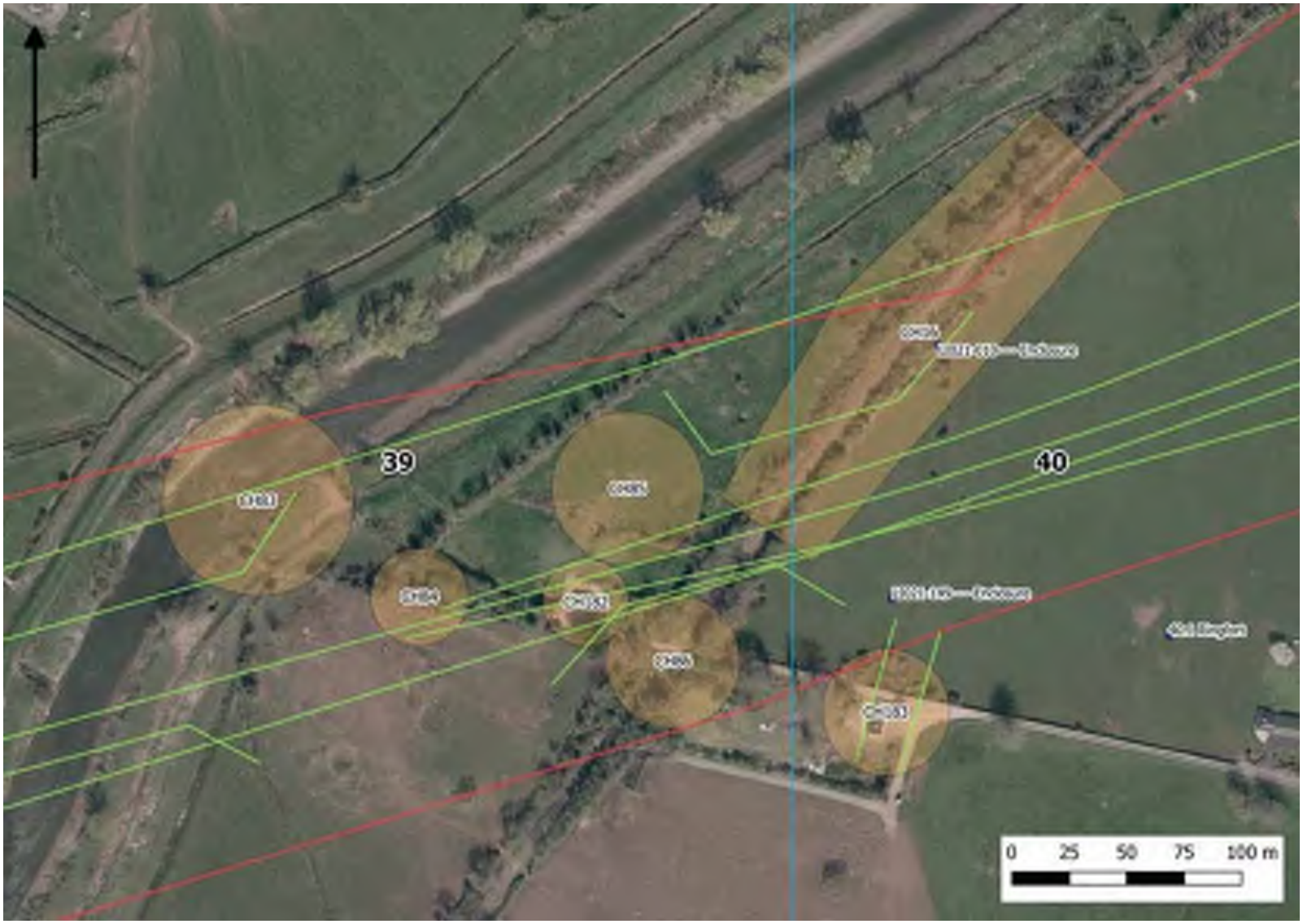


Feature 38.1. NW-SE profile of enclosure.

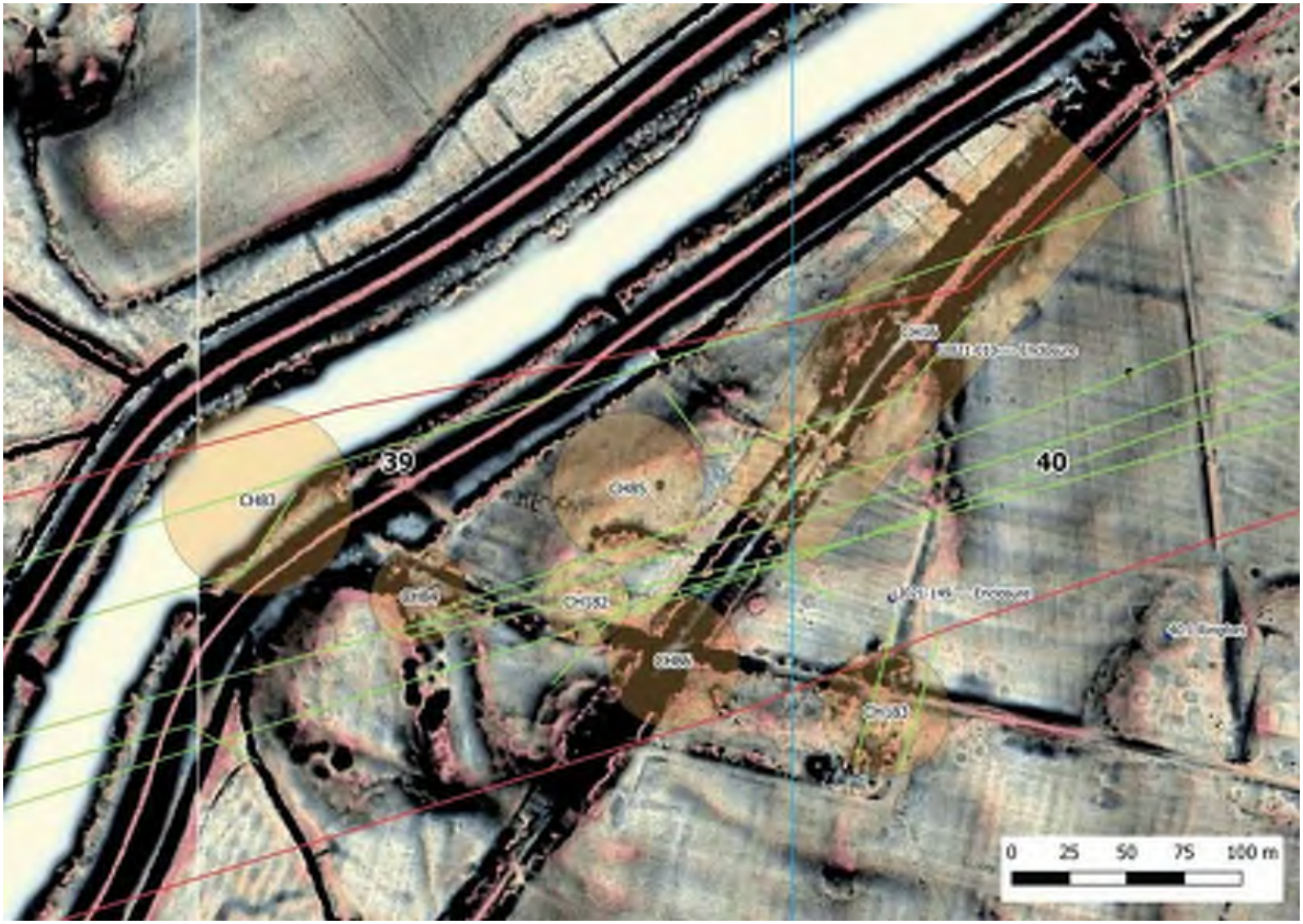


Feature 38.2. N-S profile through enclosure.

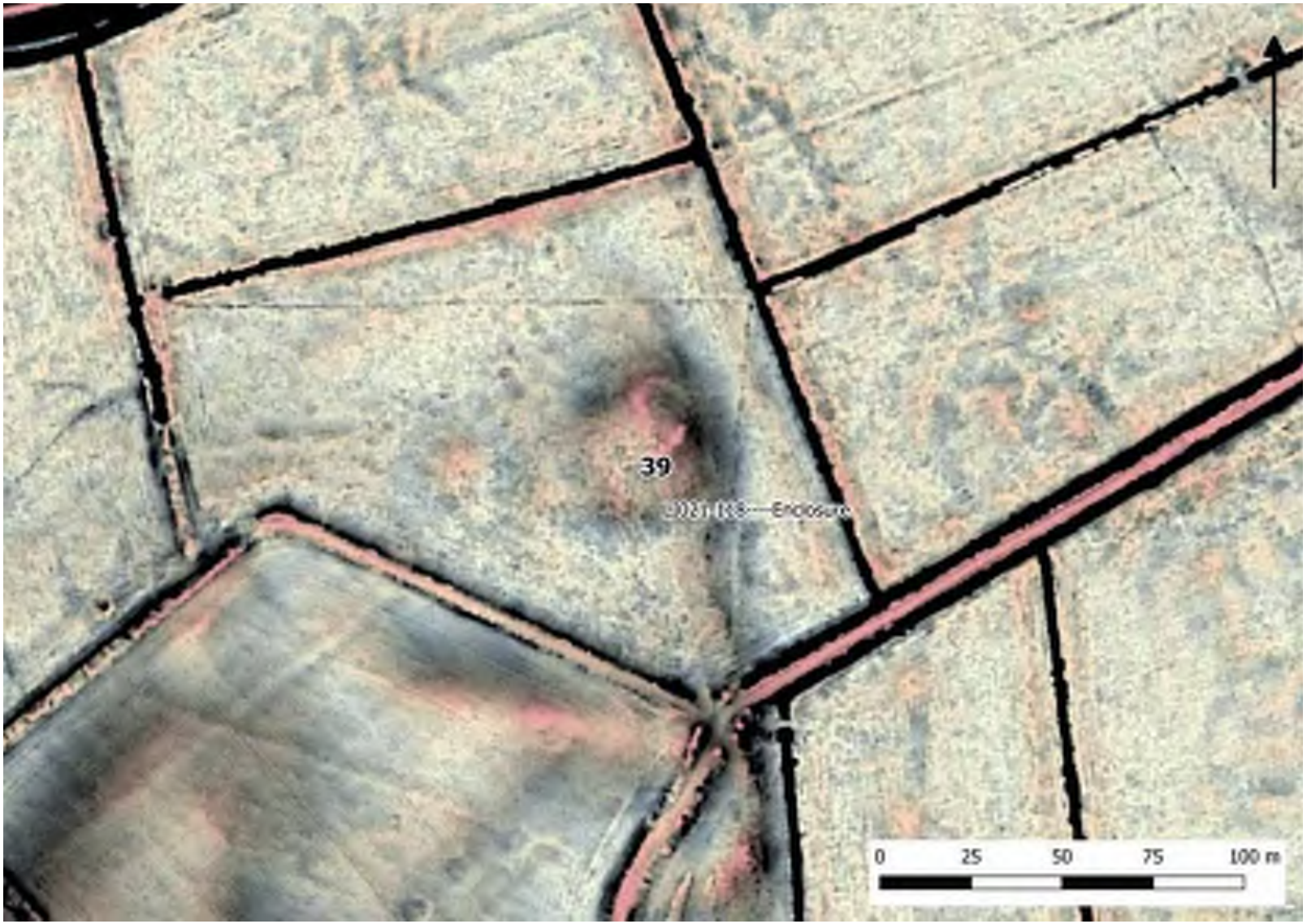
Grid 39



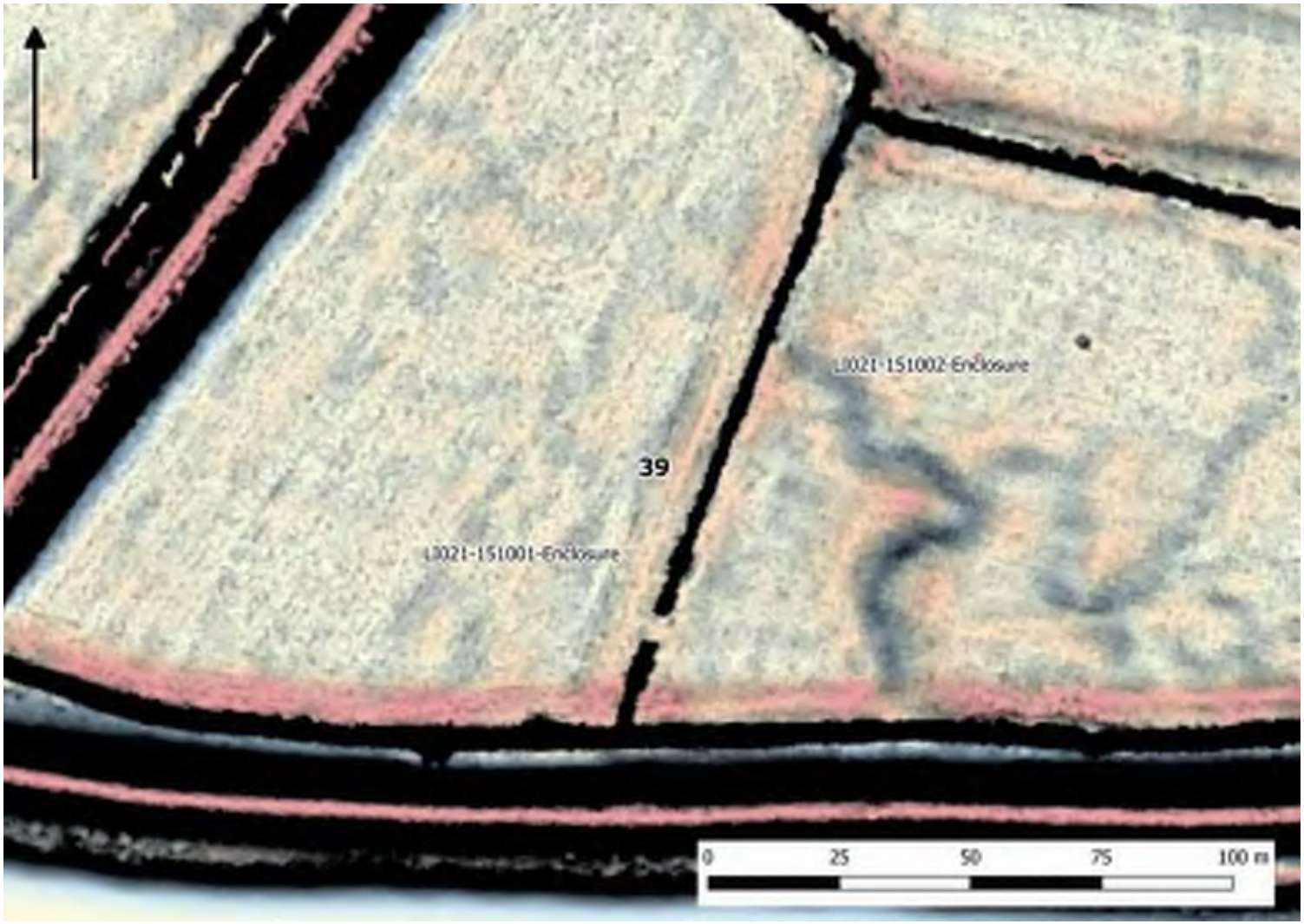
Grid 39 showing constraints CH83, CH84, CH85, CH86, CH182, CH183 and CH16. Scheme orthophotography.



Grid 39 showing constraints CH83, CH84, CH85, CH86, CH182, CH183 and CH16. LRM over SVF.

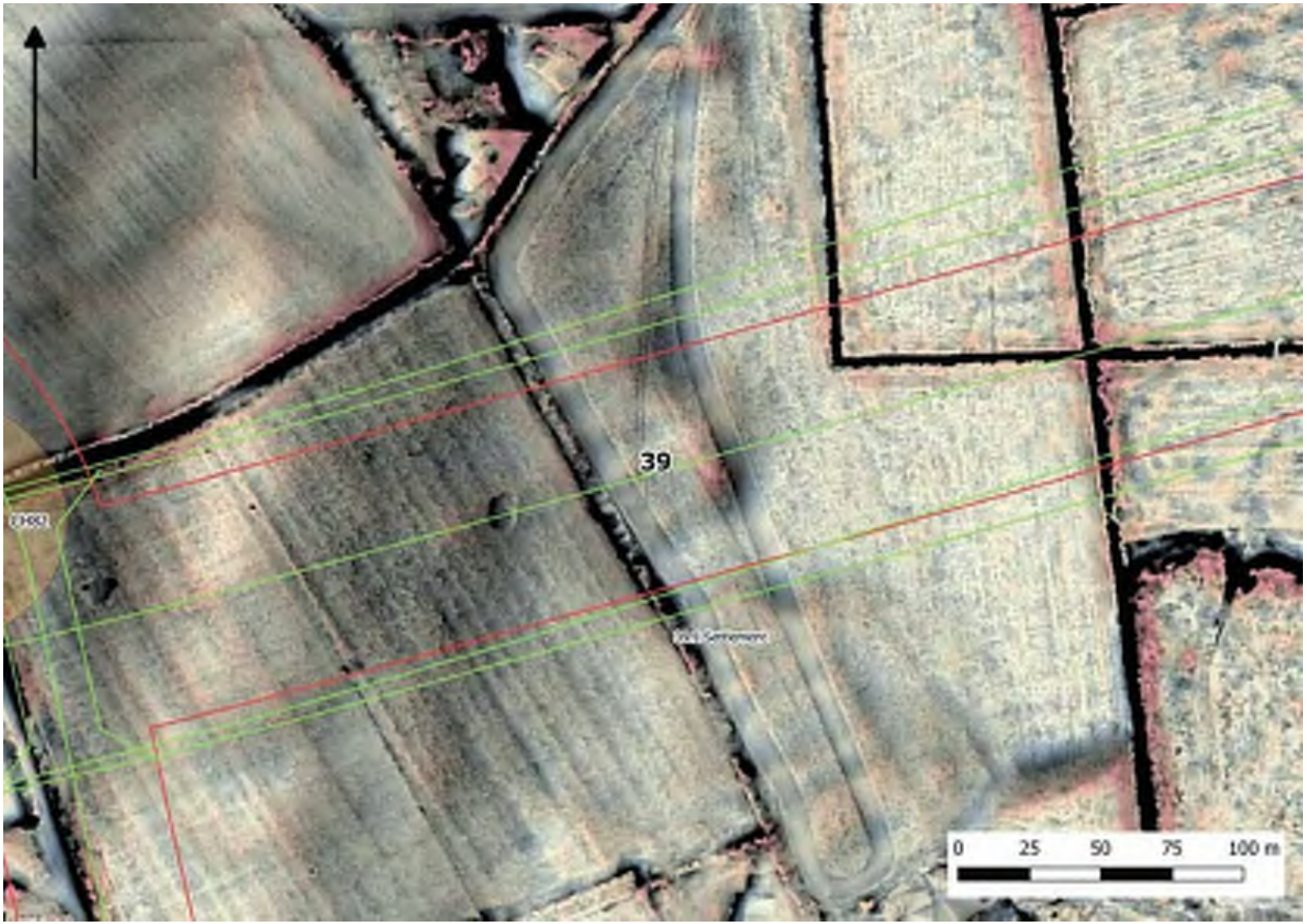


LI021-118 (AH55). Possible enclosure. Comprises a circular mound, 37 m diameter, with traces of an external ditch. LRM over SVF image.

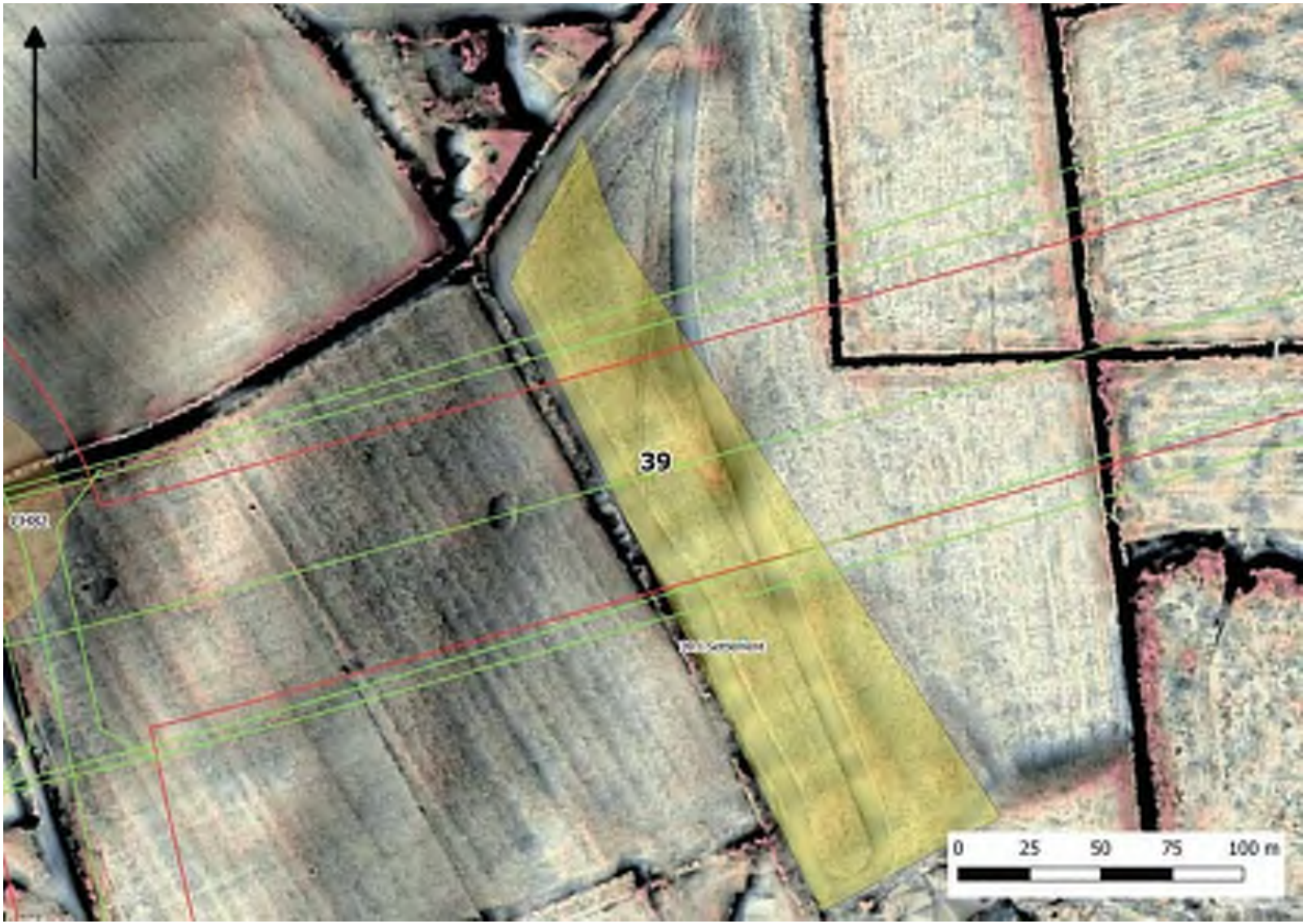


LI021-151001 and LI021-151002. No visible trace remains. LRM over SVF image.

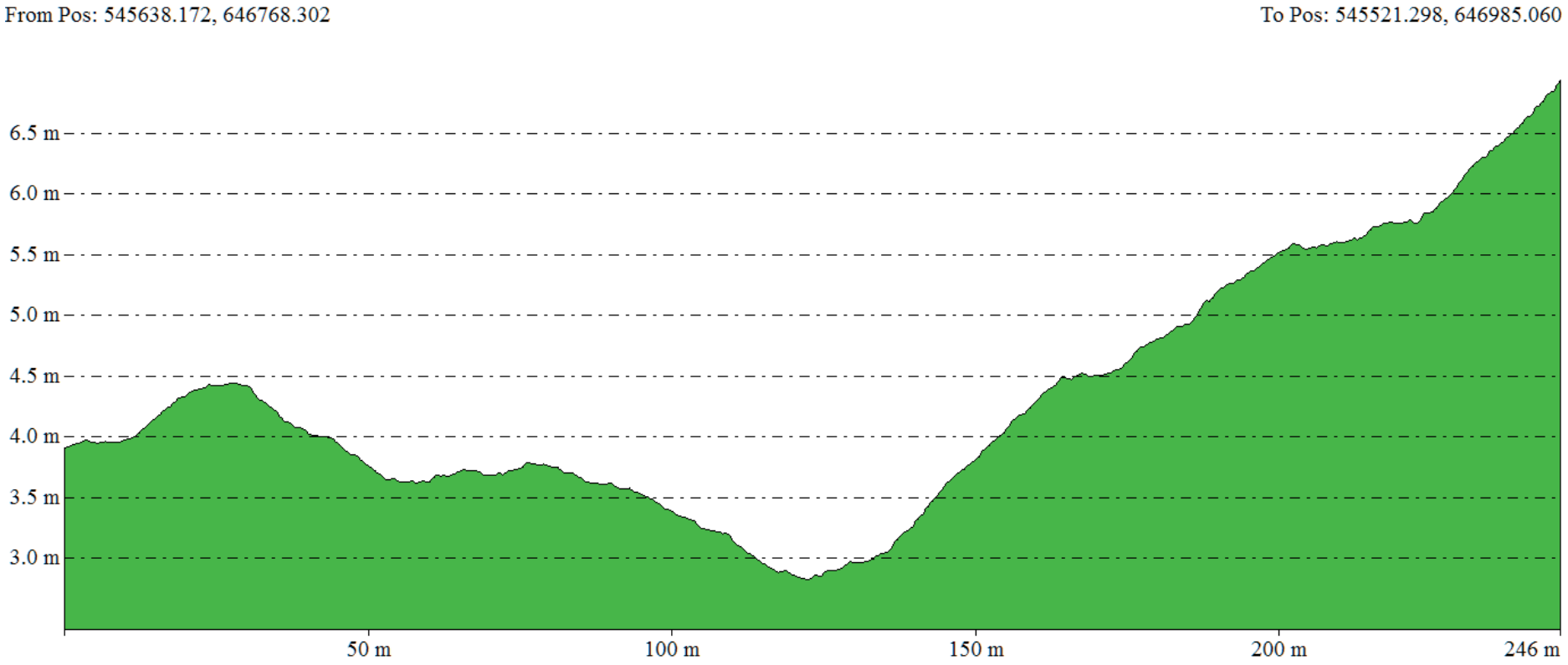
Feature 39.1. Row of settlement plots along present field boundary (c. 212 x 48 m). Scheme orthophotography..



Feature 39.1. Row of settlement plots along present field boundary (c. 212 x 48 m). LRM over SVF image.

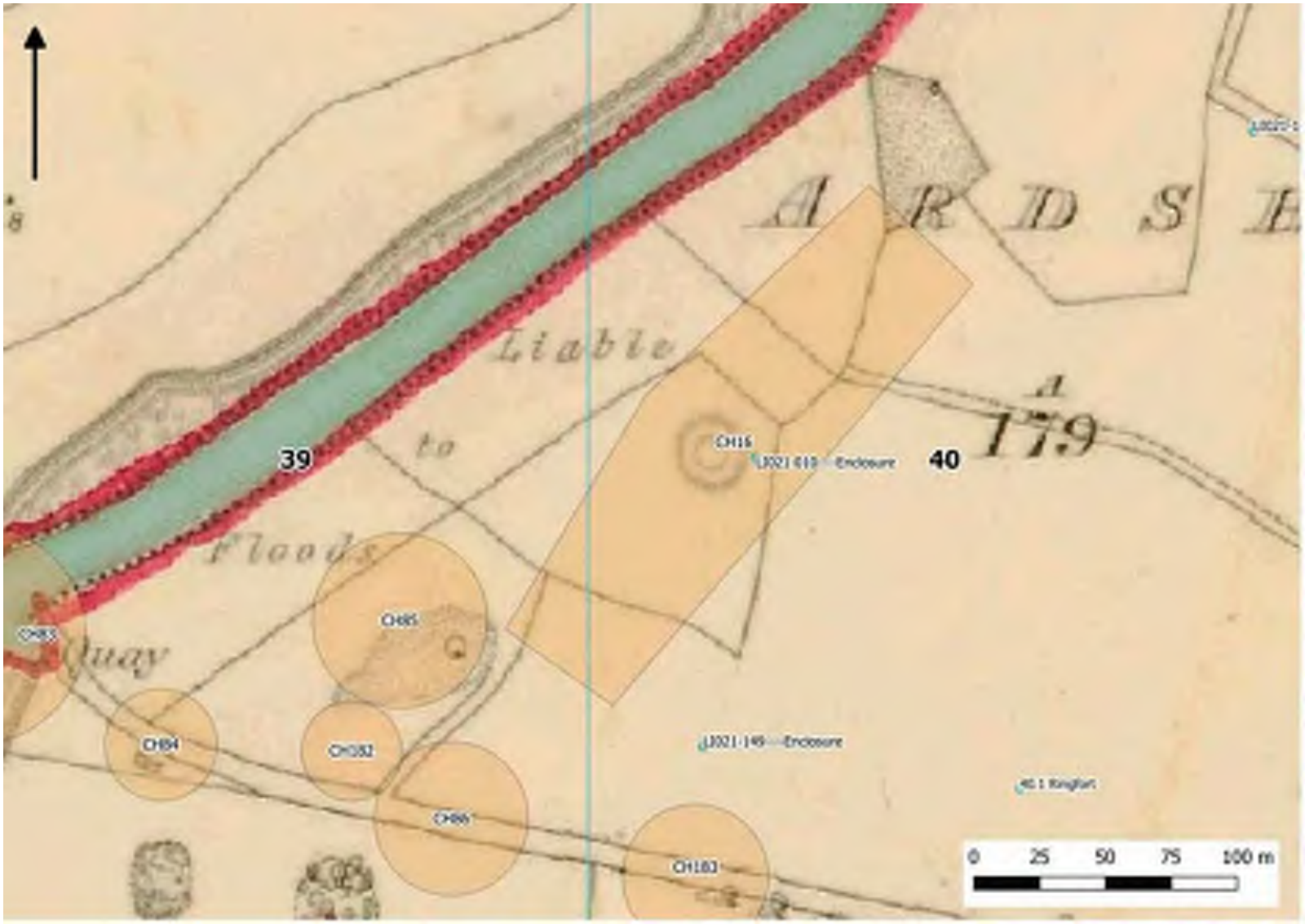


Feature 39.1. Row of settlement plots along present field boundary. LRM over SVF image showing apparent extent of site.



Feature 39.1. SE-NW profile. Local topography masks low relief features.

Grid 40



LI021-010 (AH58). Probable ringfort. Removed by railway construction. Original diameter 13 m. Previously identified CH assets shown. 6-inch series.

LI021-010 (AH58). Probable ringfort. Removed by railway construction. Original diameter 13 m. Scheme orthophotography.

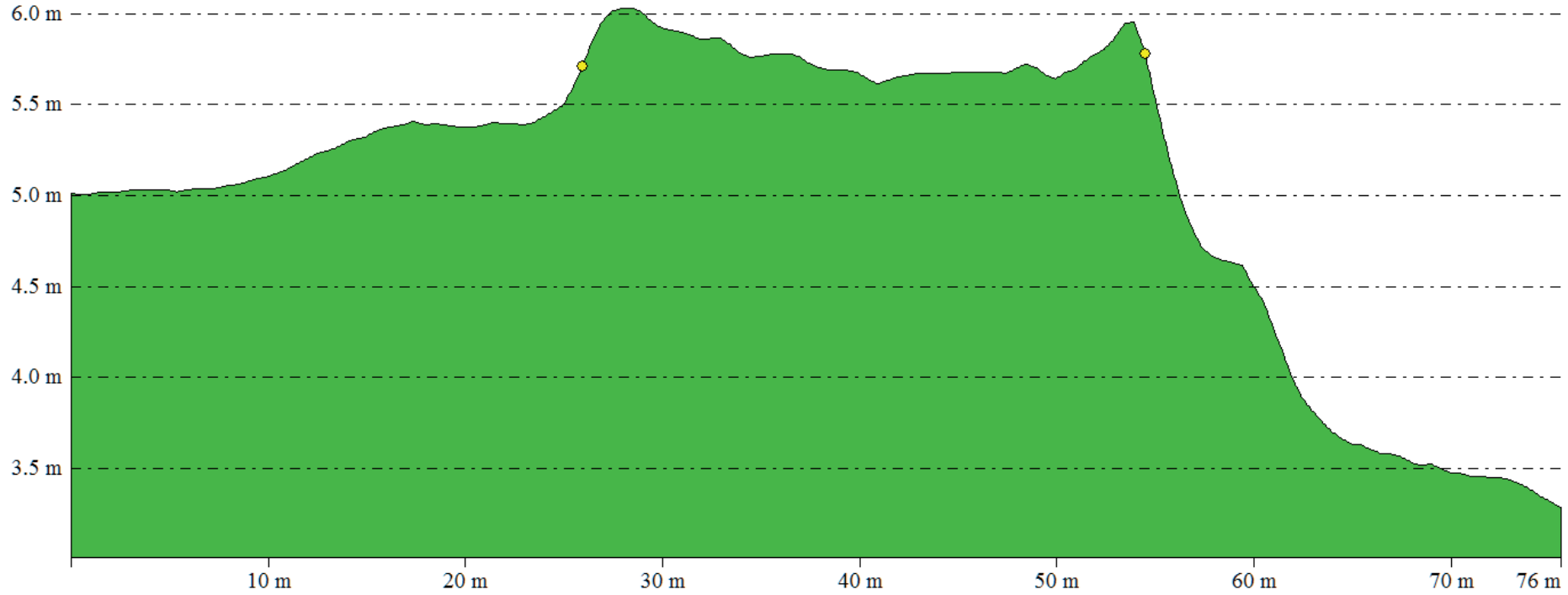
LI021-010 (AH58). Probable ringfort. Removed by railway construction. Original diameter 13 m. LRM over SVF.

LI021-011002 (AH62). Northern of two conjoined enclosures. Probable ringfort, 29 m diameter.
LI021-011001 (AH62). Southern of two conjoined enclosures. Probable ringfort, 30 m diameter. Both monuments currently quite denuded. Scheme orthophotography.

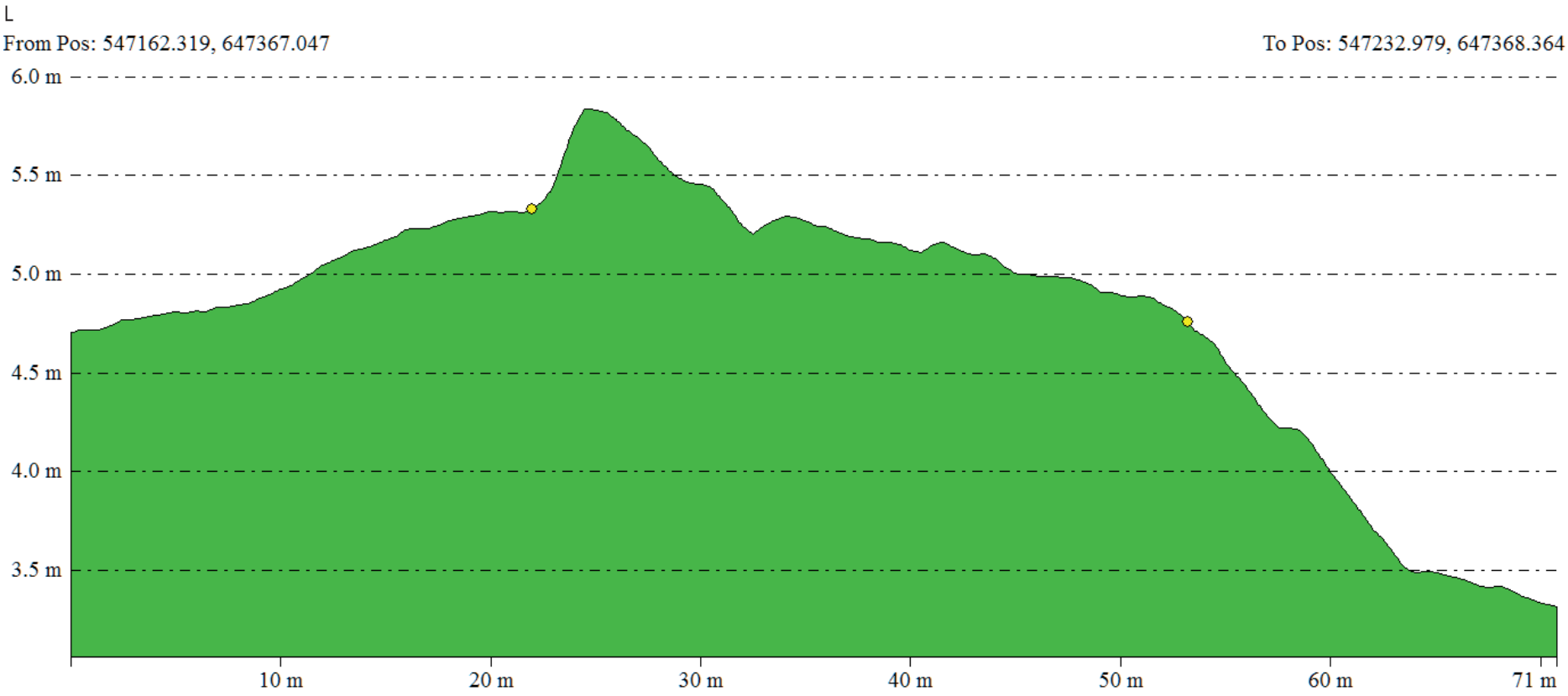
LI021-011002 (AH62). Northern of two conjoined enclosures. Probable ringfort, 29 m diameter.
LI021-011001 (AH62. Southern of two conjoined enclosures. Probable ringfort, 30 m diameter. Both monuments currently quite denuded. LRM over SVF image.

From Pos: 547165.391, 647338.520

To Pos: 547240.879, 647337.203

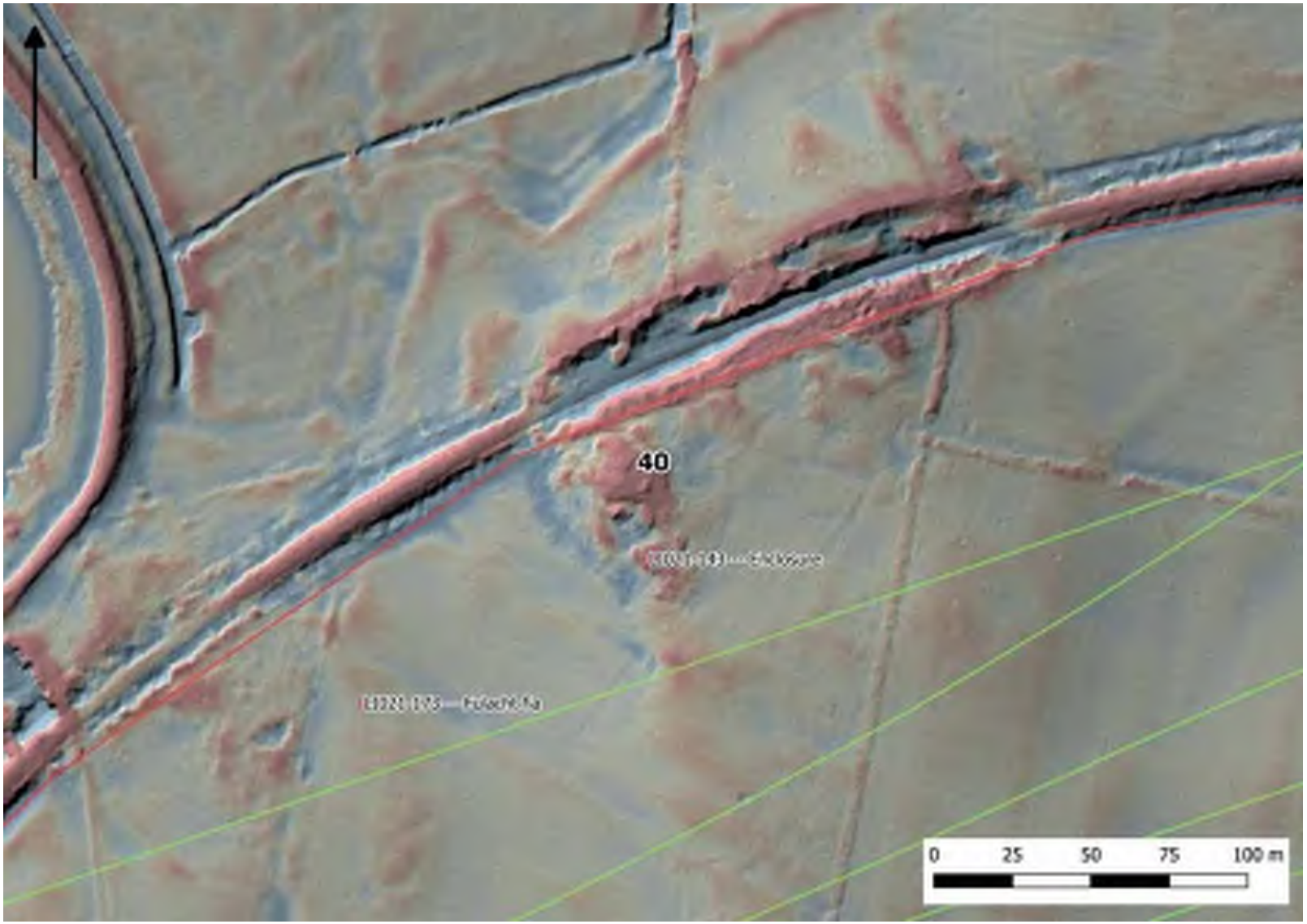


LI021-011001 (AH62). W-E profile across enclosure.

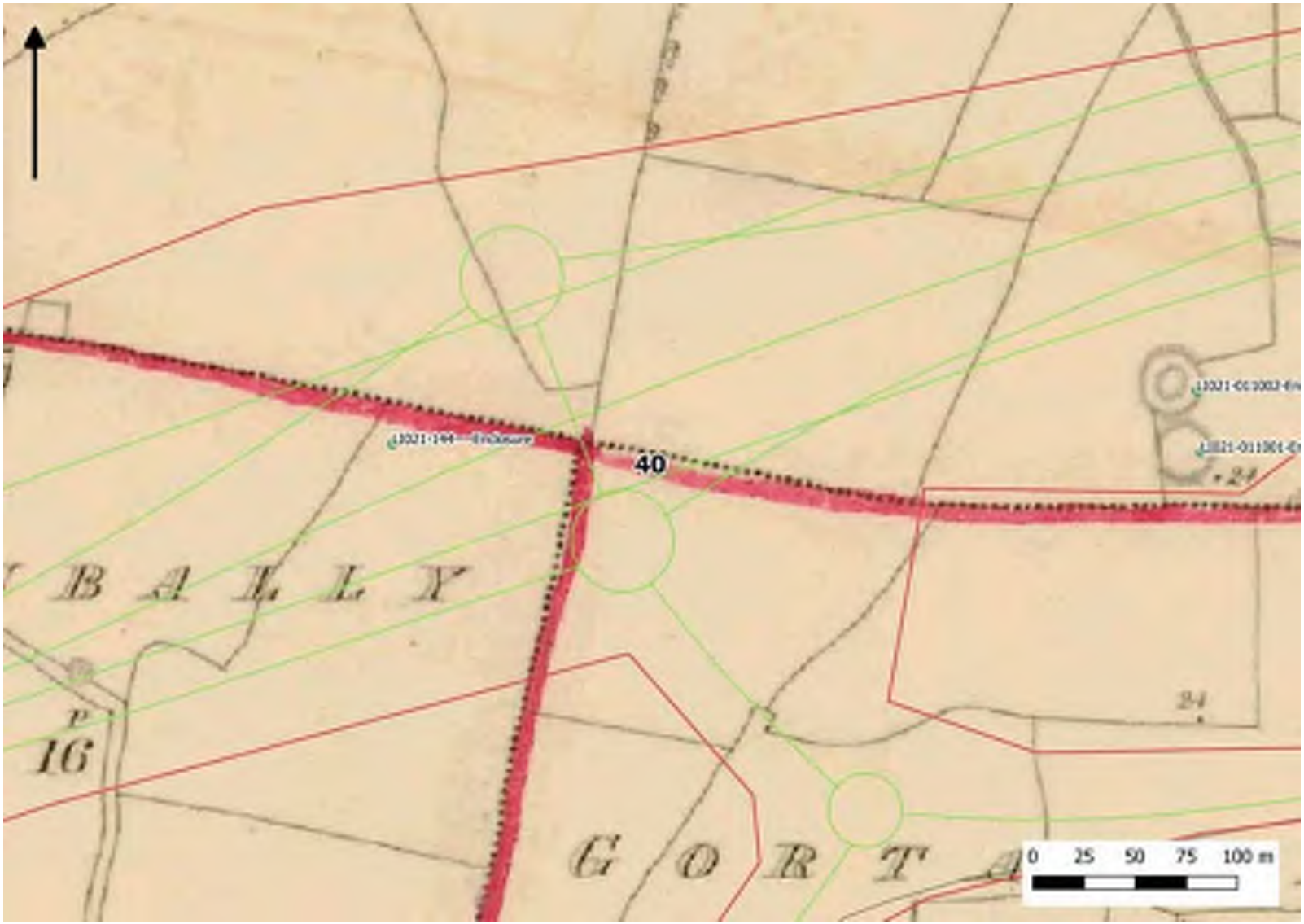


LI021-011002 (AH62). W-E profile across enclosure.

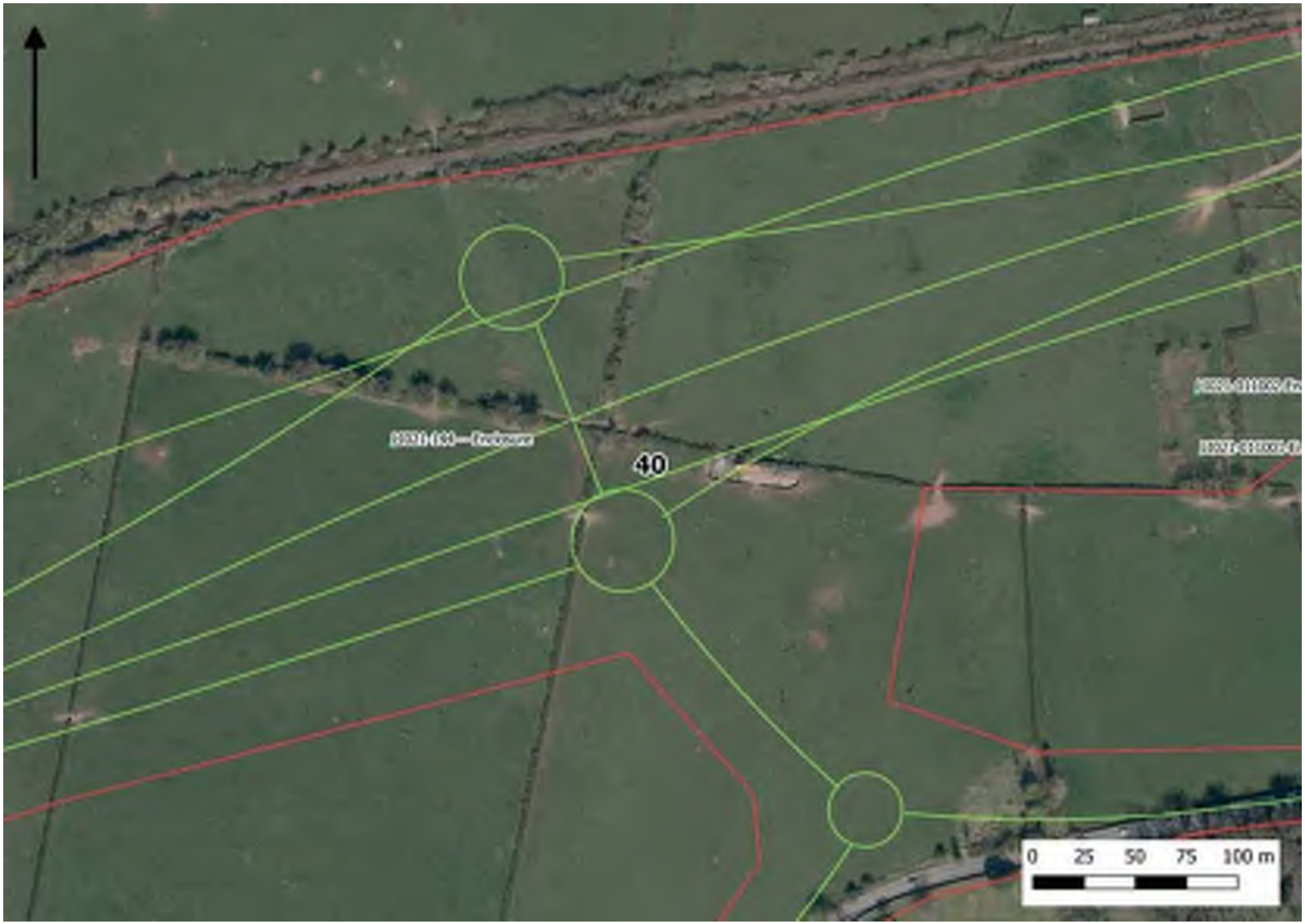
LI021-143 (AH60). Substantial modification makes it difficult to determine if any of the monument remains. Scheme orthophotography.



LI021-143 (AH60). Substantial modification makes it difficult to determine if any of the monument remains. LRM over 16-direction hillshade.

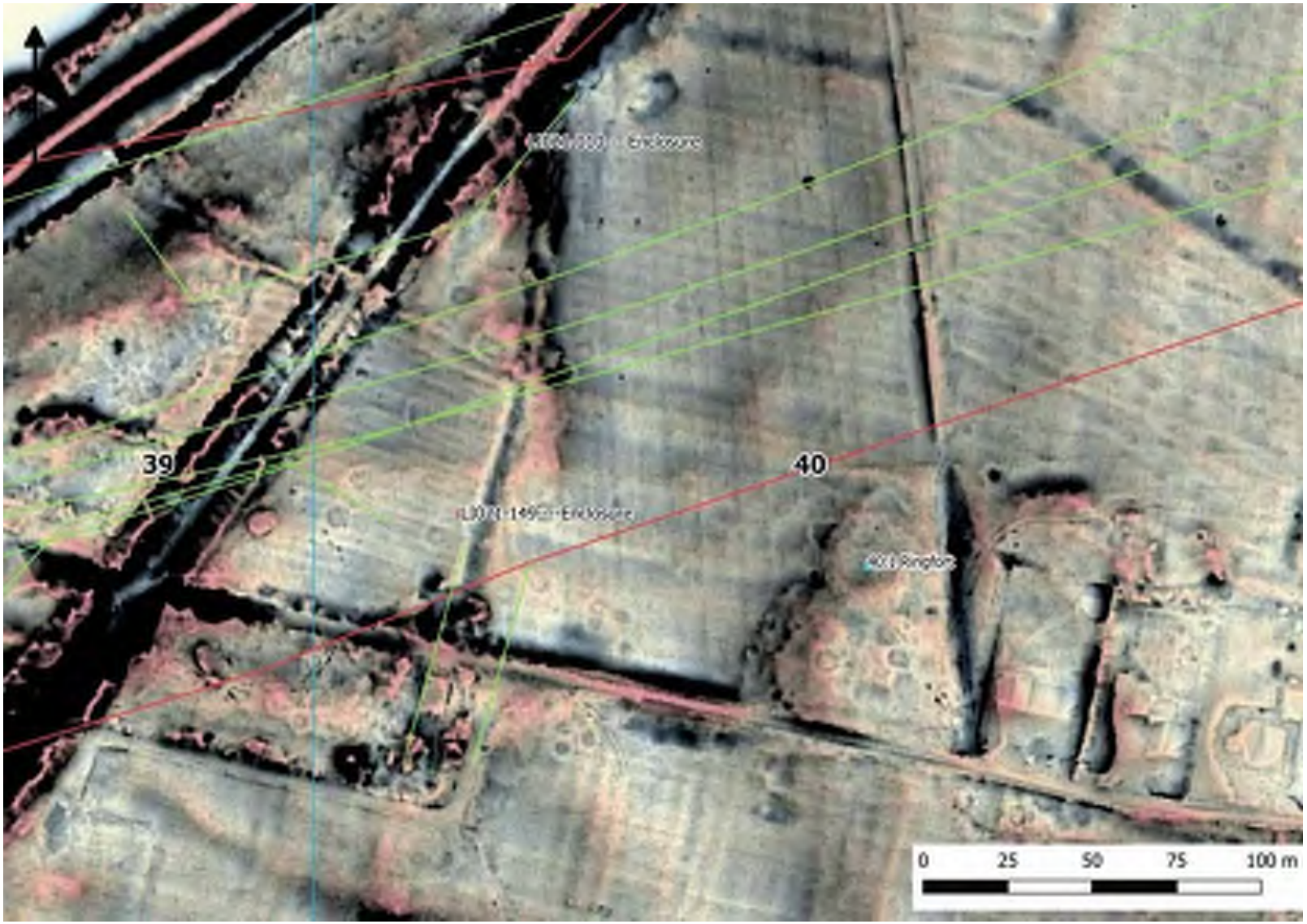


LI021-144 (AH61). No suggestion of enclosure in 6-inch series or remote sensing surveys. 6-inch series



LI021-144 (AH61). No suggestion of enclosure in 6-inch series or remote sensing surveys. Scheme orthophotography.

LI021-144 (AH61). No suggestion of enclosure in 6-inch series or remote sensing surveys. LRM over SVF.

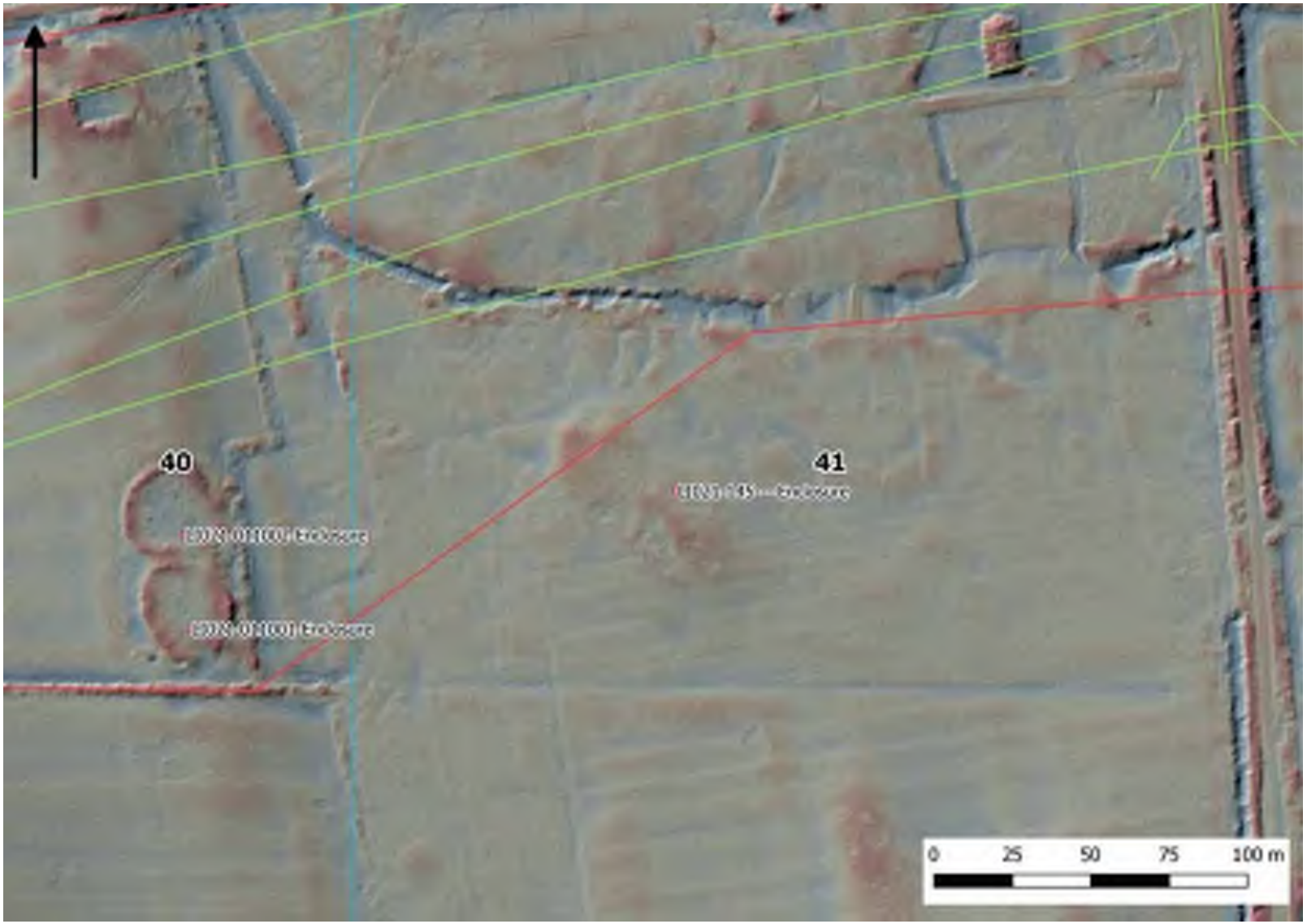


LI021-149 (AH57). No visible trace remains. LRM over SVF image.

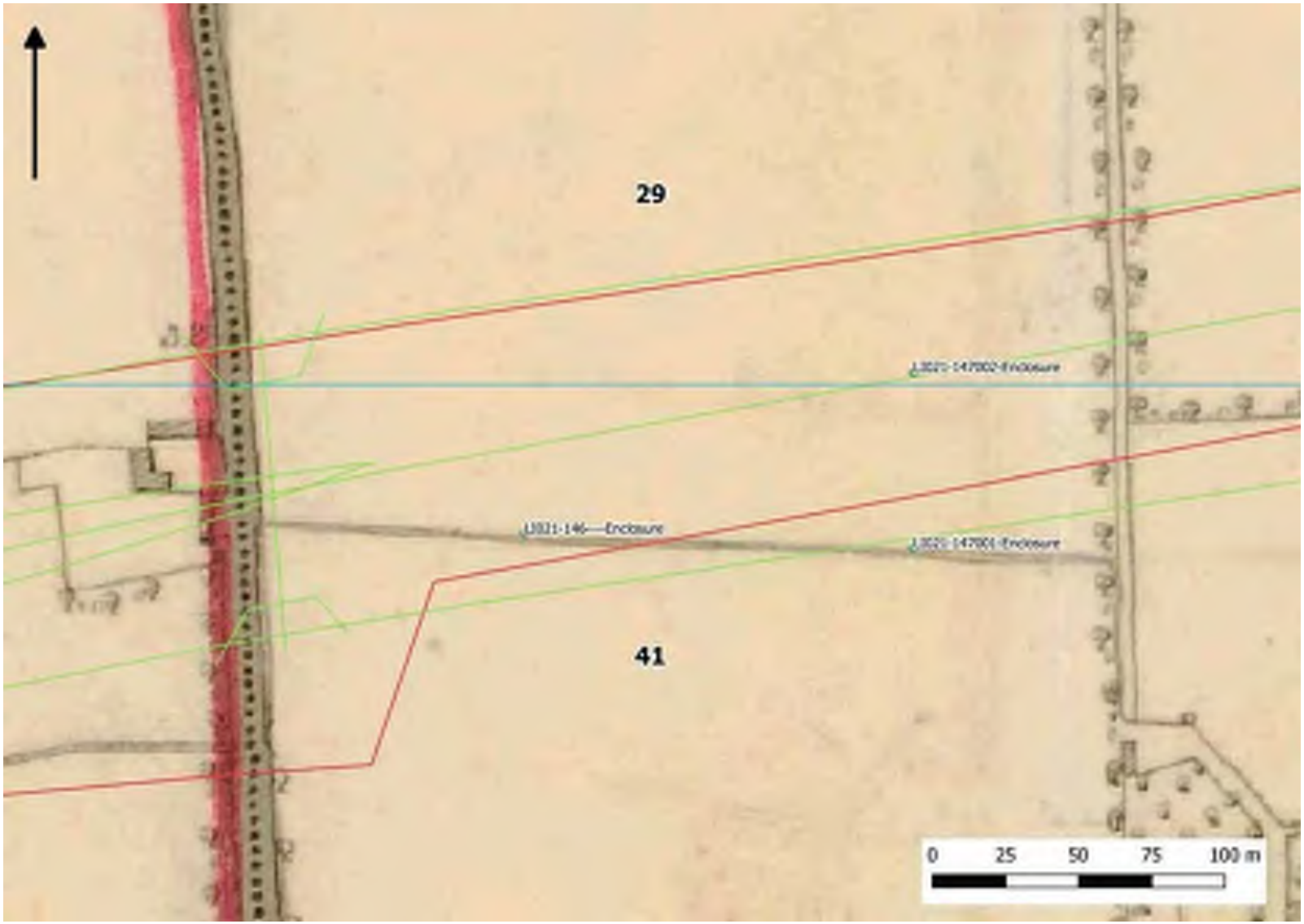
Feature 40.1. Small enclosure, probable ringfort. Defined by broad bank. Overall diameter 27 m. 6-inch series.

Feature 40.1. Small enclosure, probable ringfort. Defined by broad bank. Overall diameter 27 m. LRM over SVF image.

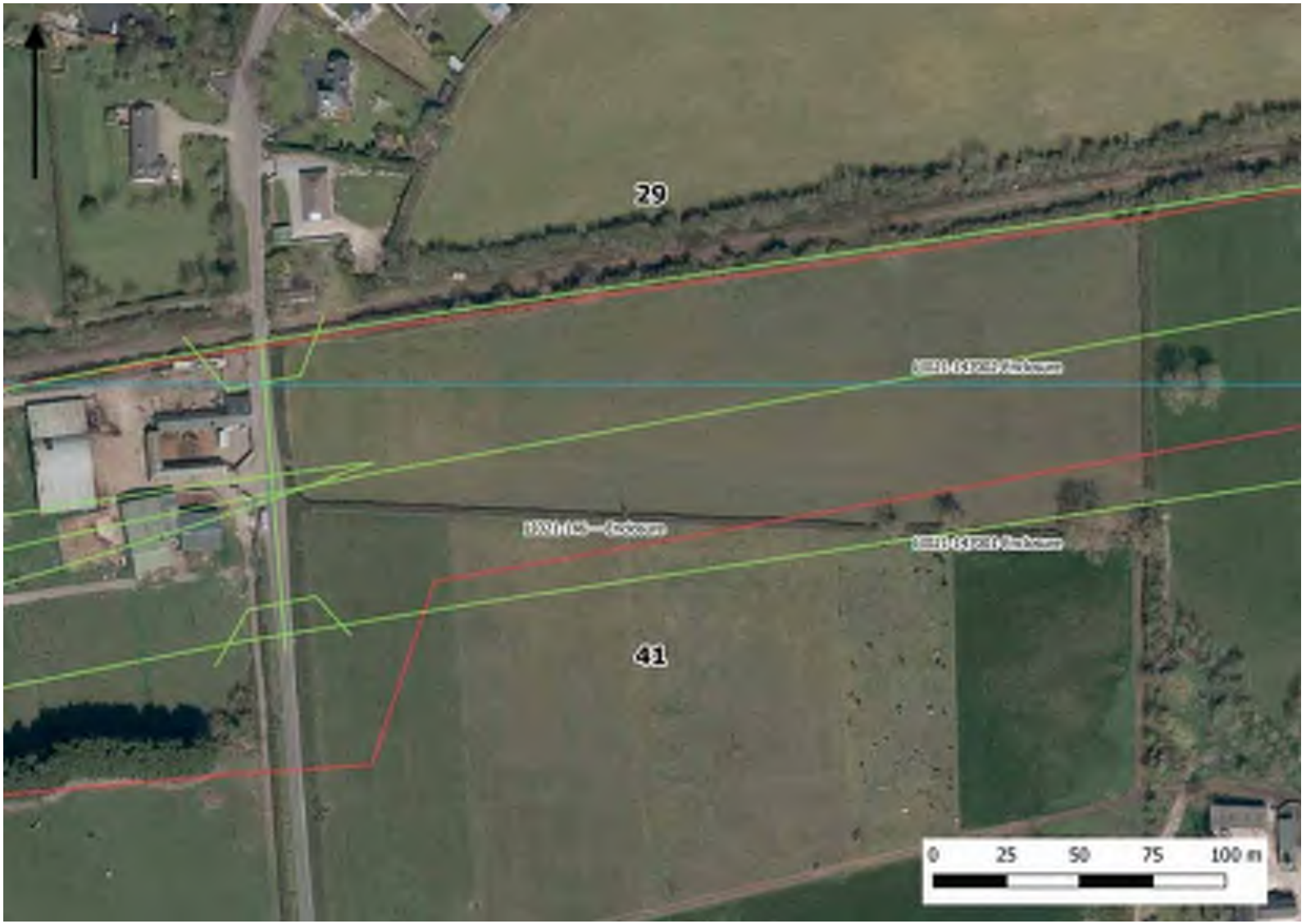
Grid 41



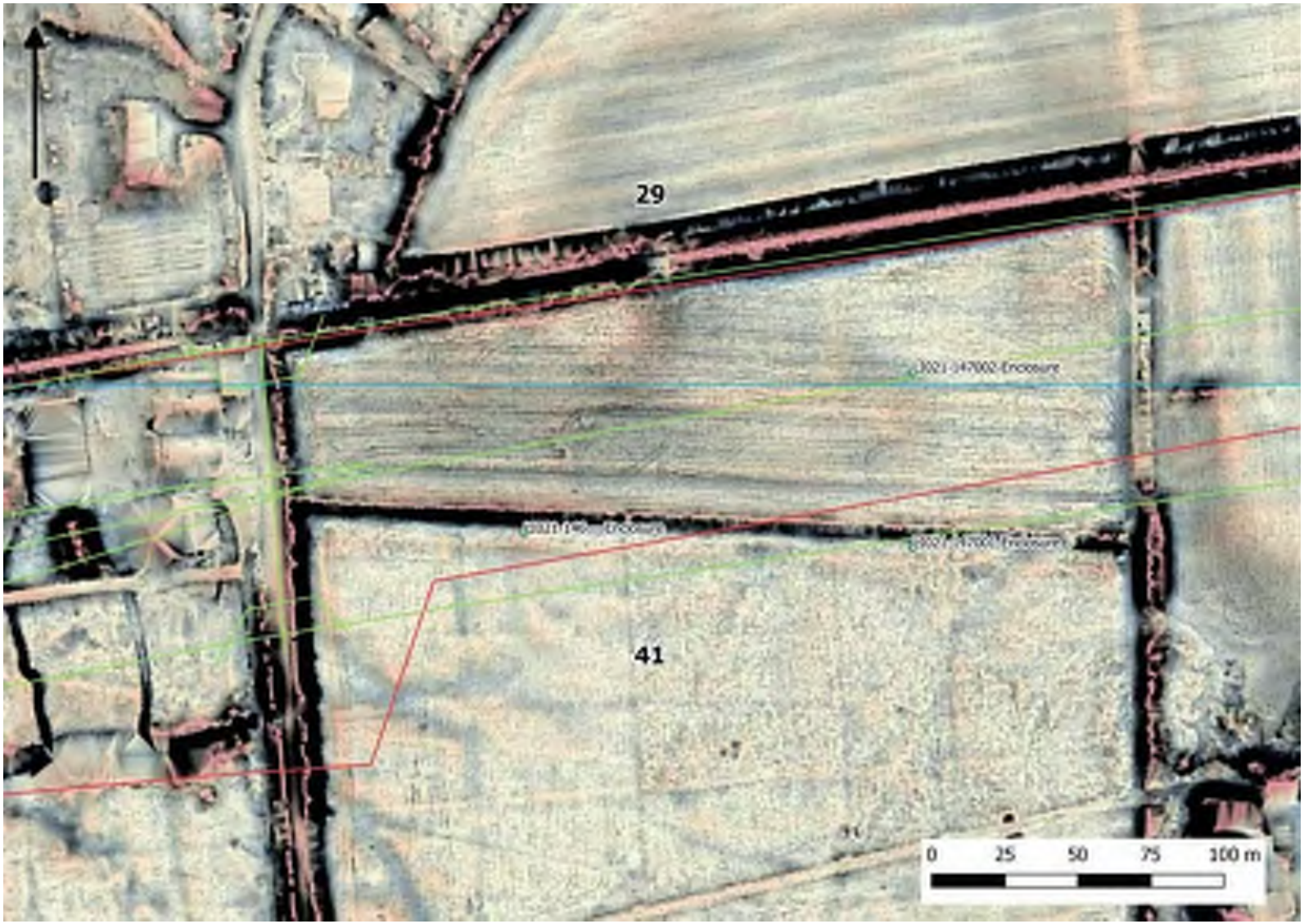
LI021-145 (AH63). No visible trace remains. LRM over 16-direction hillshade.



LI021-146 (AH64). No indication of enclosure in 6-inch mapping.



LI021-146 (AH64). No indication of enclosure. Scheme orthophotography.



LI021-146 (AH64). No indication of enclosure. LRM over SVF.

LI021-147001 (AH65). No visible trace remains. LRM over SVF image.

LI021-147002 (AH65). No visible trace remains.

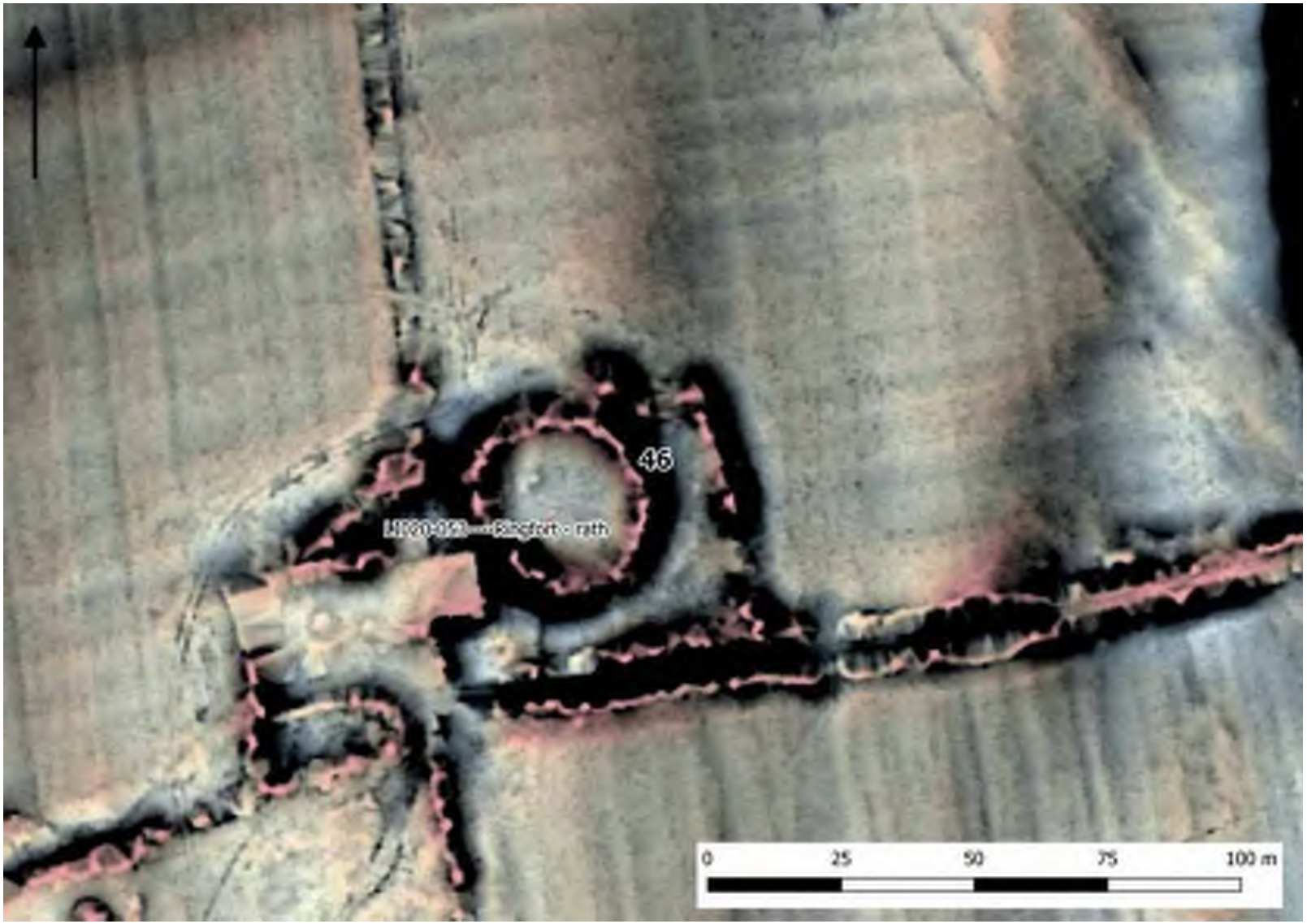
LI021-150. No visible trace remains.LRM over 16-direction hillshade.

Grid 42

Feature 42.1. Small penannular enclosure with causeway to east. Central area 26 m diameter. LRM over SVF image.

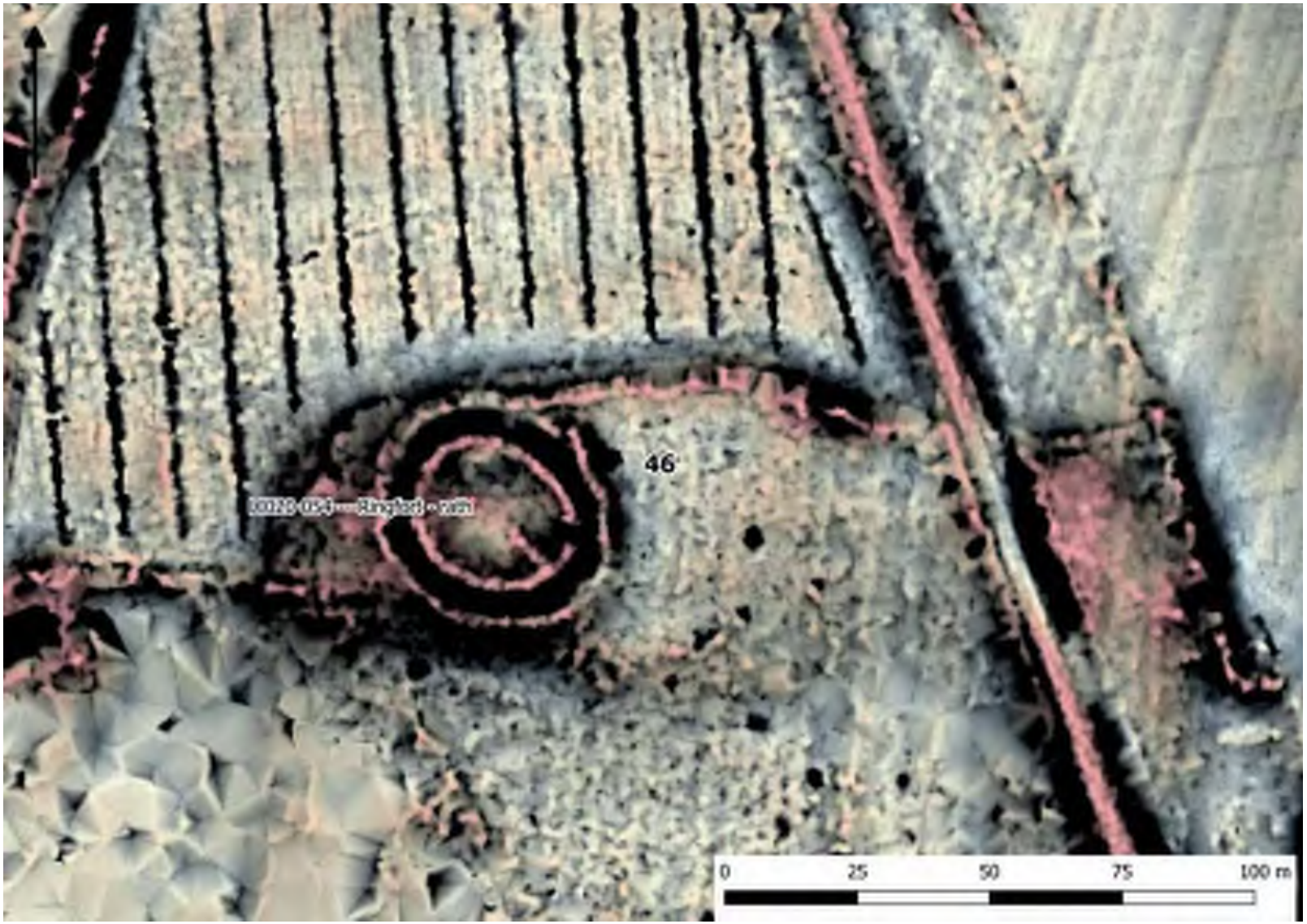
Grid 46

LI020-053 (AH89). Well-preserved ringfort, 31 m diameter, entrance to the SW. Pipeline visible to NE. Scheme orthophotography.



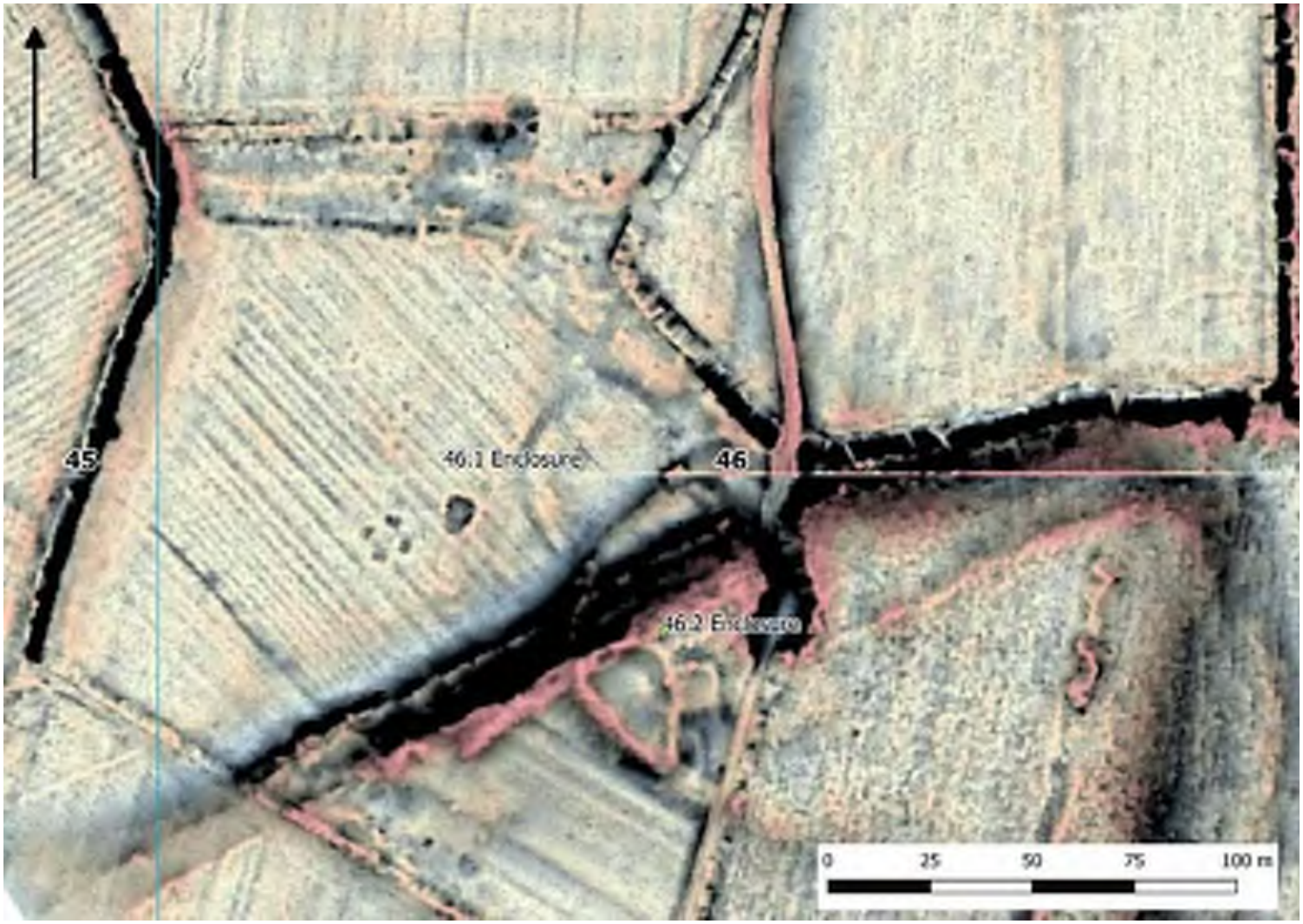
LI020-053 (AH89). Well-preserved ringfort, 31 m diameter, entrance to the SW. Pipeline visible to NE. LRM over SVF image.

LI020-054. Large, well-preserved bivallate ringfort under heavy forestry. 31 x 25 m. Entrance to SE. Scheme orthophotography.



LI020-054. Large, well-preserved bivallate ringfort under heavy forestry. 31 x 25 m. Entrance to SE. LRM over SVF image.

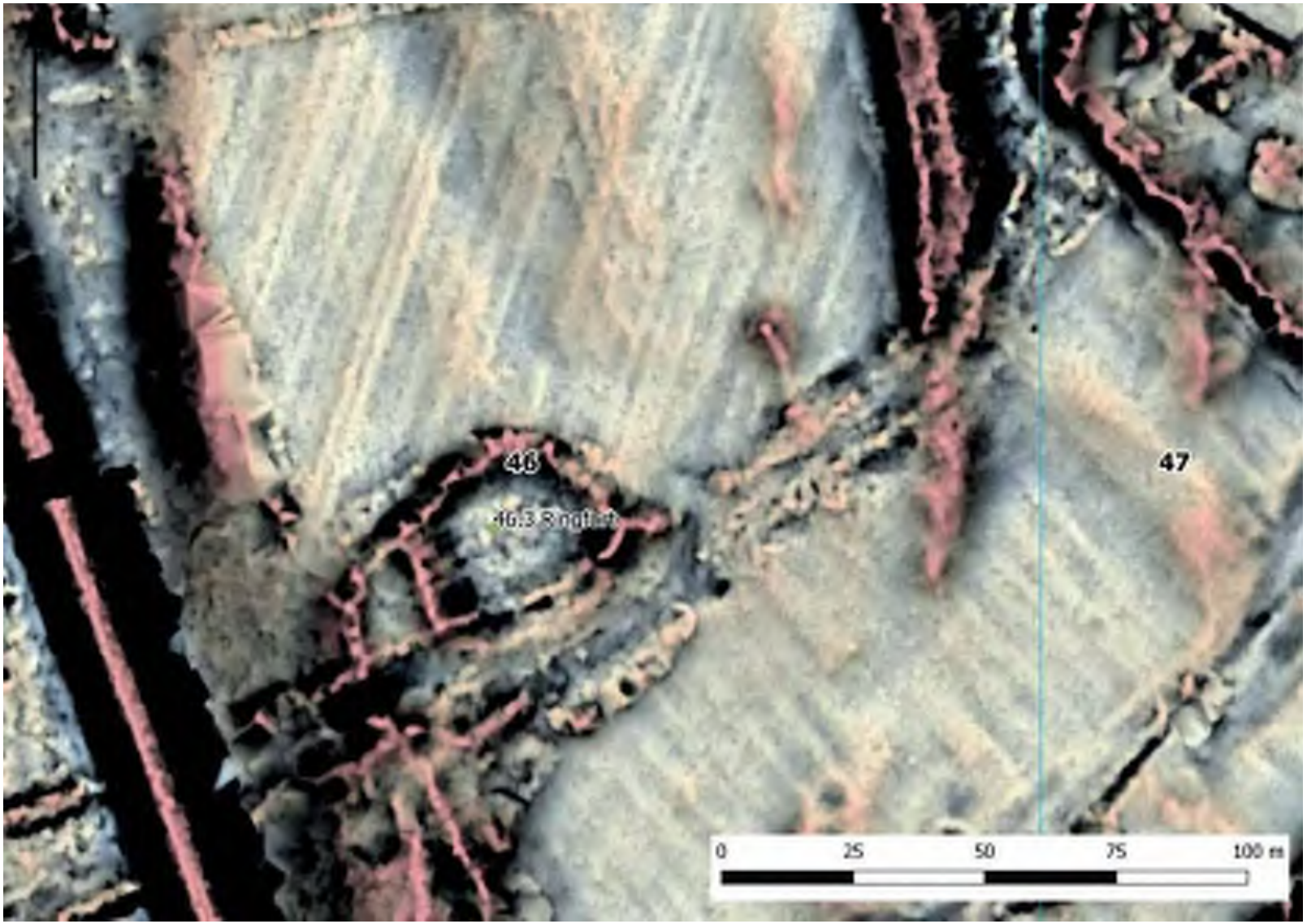
Feature 46.1. Small enclosure, truncated to SE by another enclosure (46.2). 38 x 30 m diameter.
Feature 46.2. Enclosure with conjoined building. Impacted by former hedge-line to NW (now removed).30 x 19 m. Scheme orthophotography.



Feature 46.1. Small enclosure, truncated to SE by another enclosure (46.2). 38 x 30 m diameter.
Feature 46.2. Enclosure with conjoined building. Impacted by former hedge-line to NW (now removed).30 x 19 m. LRM over SVF image.

Feature 46.3. D-shaped enclosure, c. 53 x 26 m. 6 inch mapping.

Feature 46.3. D-shaped enclosure, c. 53 x 26 m. Scheme orthophotography.



Feature 46.3. D-shaped enclosure with internal partition, c. 53 x 26 m. LRM over SVF image.

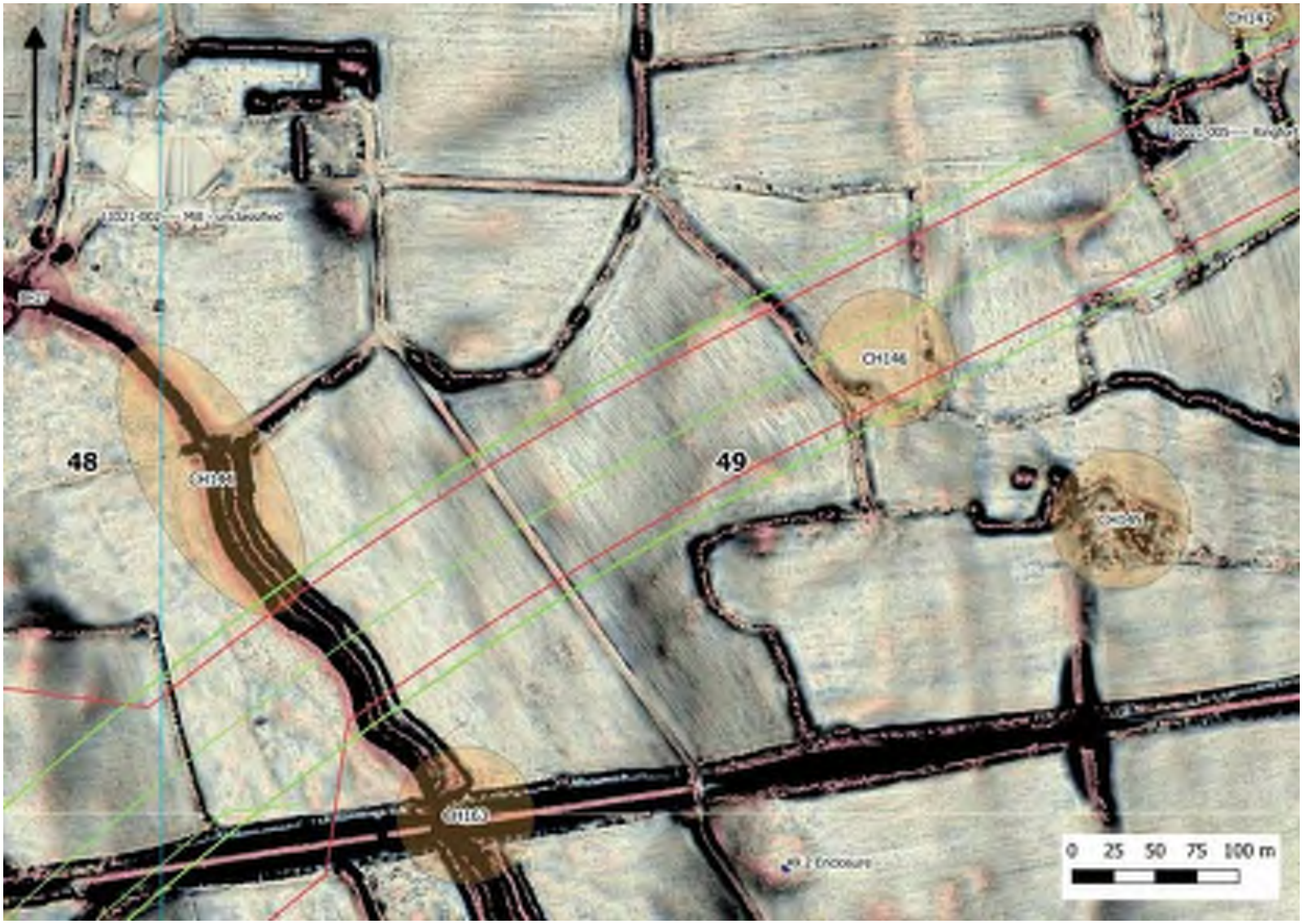
Grid 47

Feature 47.1. Field system associated with adjacent church (LI020-056001). c. 78 x 63 m.
Feature 47.2. Small ringfort, 21.2 m diameter. Scheme orthophotography. See Fig. 17.

Feature 47.1. Field system associated with LI020-056001. c. 78 x 63 m.
Feature 47.2. Small ringfort, 21.2 m diameter. LRM over SVF image. See Fig. 17.

Grid 49

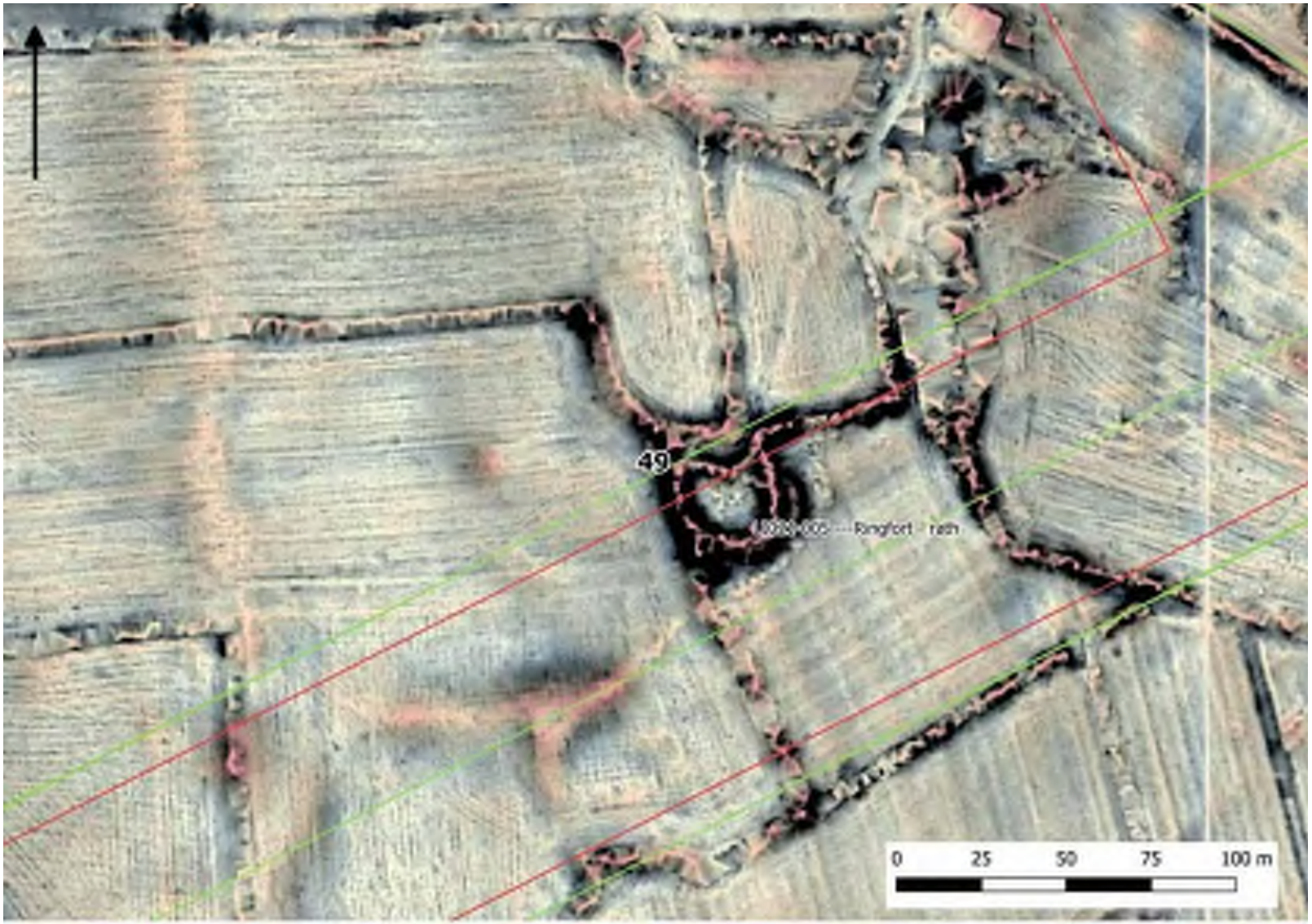
Grid 49 showing constraints CH144, CH145, CH146, CH163. Scheme orthophotography.



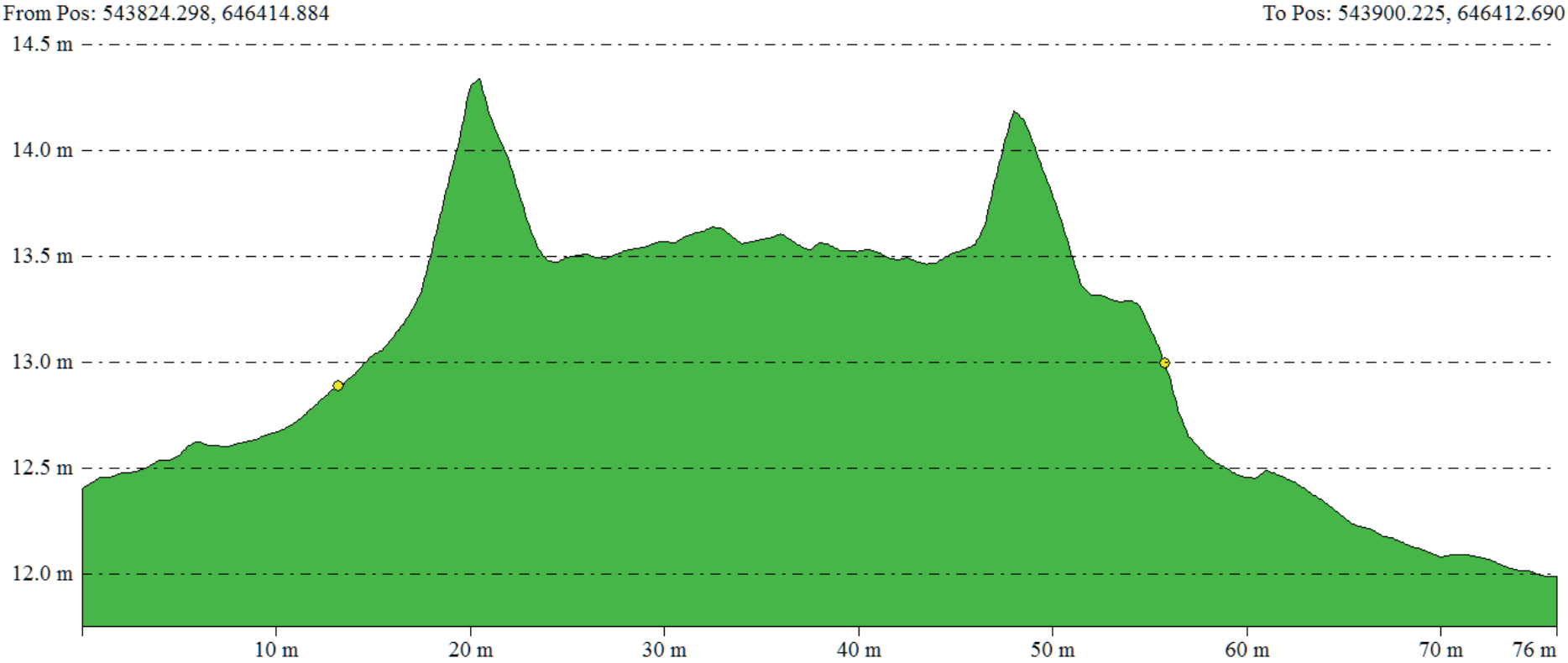
Grid 49 showing constraints CH144, CH145, CH146, CH163. LRM over SVF.

LI021-005 (AH109). Oval ringfort under heavy woodland. Well preserved to south but has been cut for field access to north. 29 x 25 m.

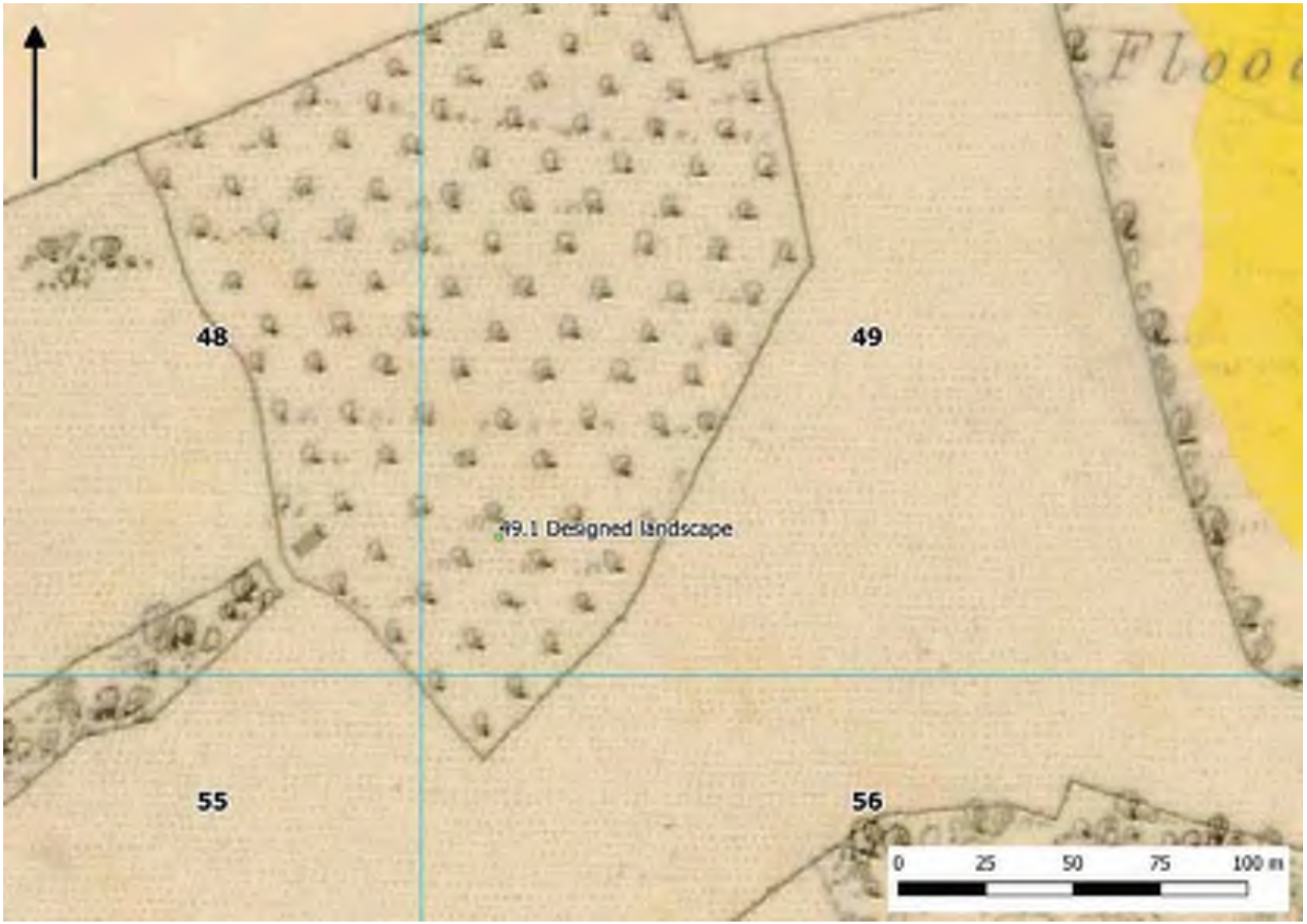
LI021-005 (AH109). Oval ringfort under heavy woodland. Well preserved to south but has been cut for field access to north. 29 x 25 m. Scheme orthophotography.



LI021-005 (AH109). Oval ringfort under heavy woodland. Well preserved to south but has been cut for field access to north. 29 x 25 m. LRM over SVF.

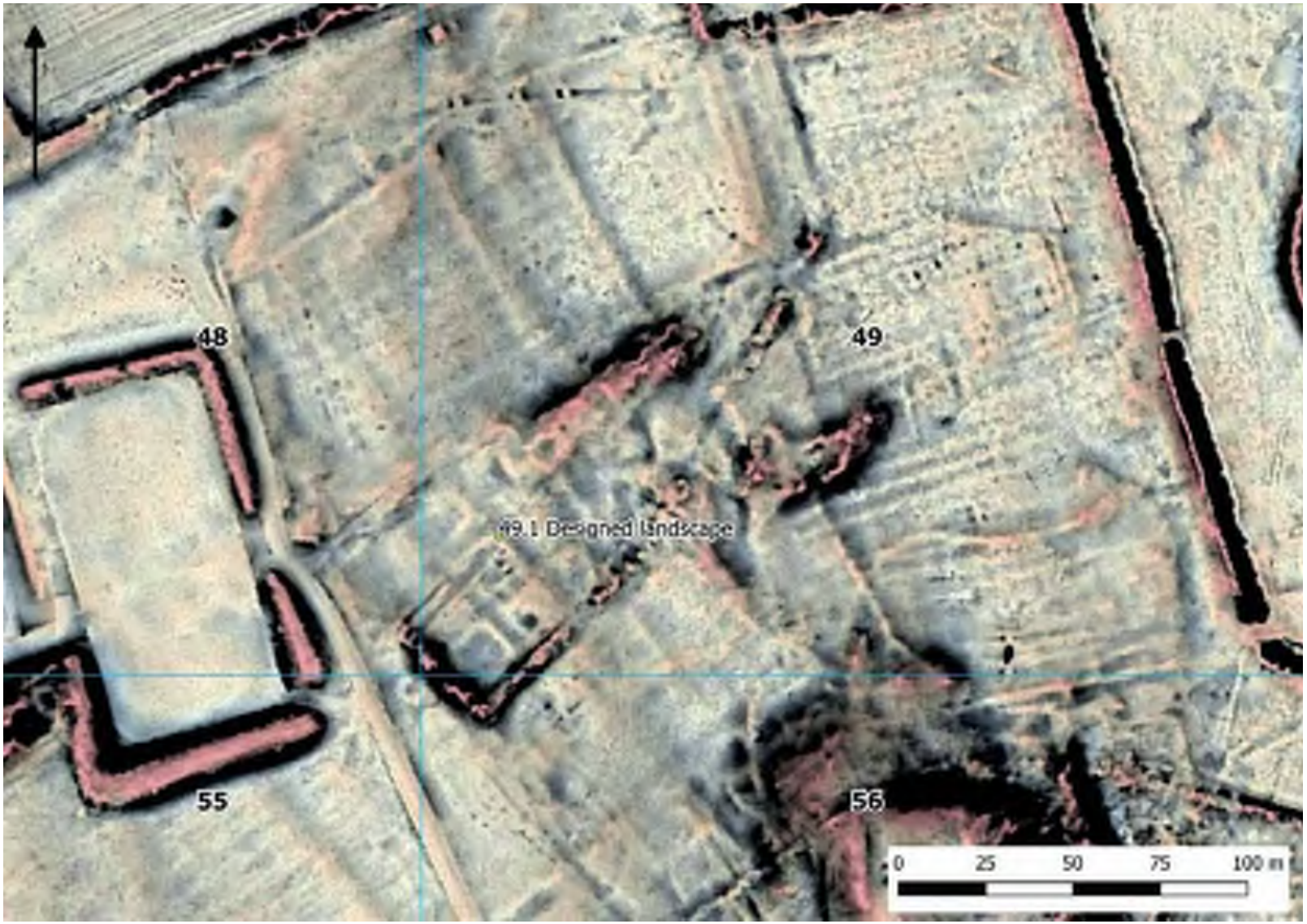


LI021-005 (AH109). W-E profile of enclosure.

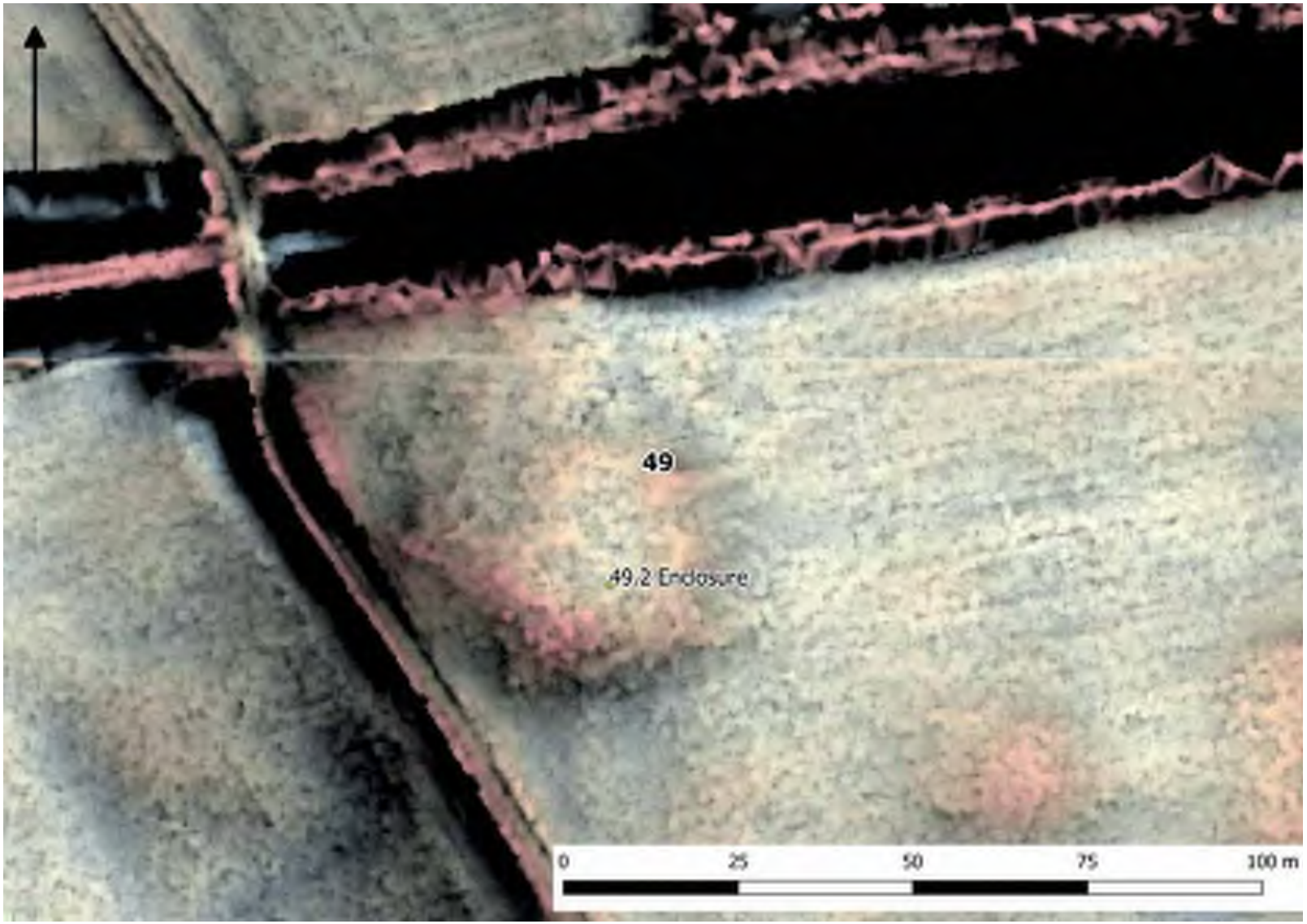


Feature 49.1. Formal designed gardens within grounds of Clonshire Demesne. c. 253 x 132 m. Possible walled garden. 6 inch mapping (see also Fig. 21).

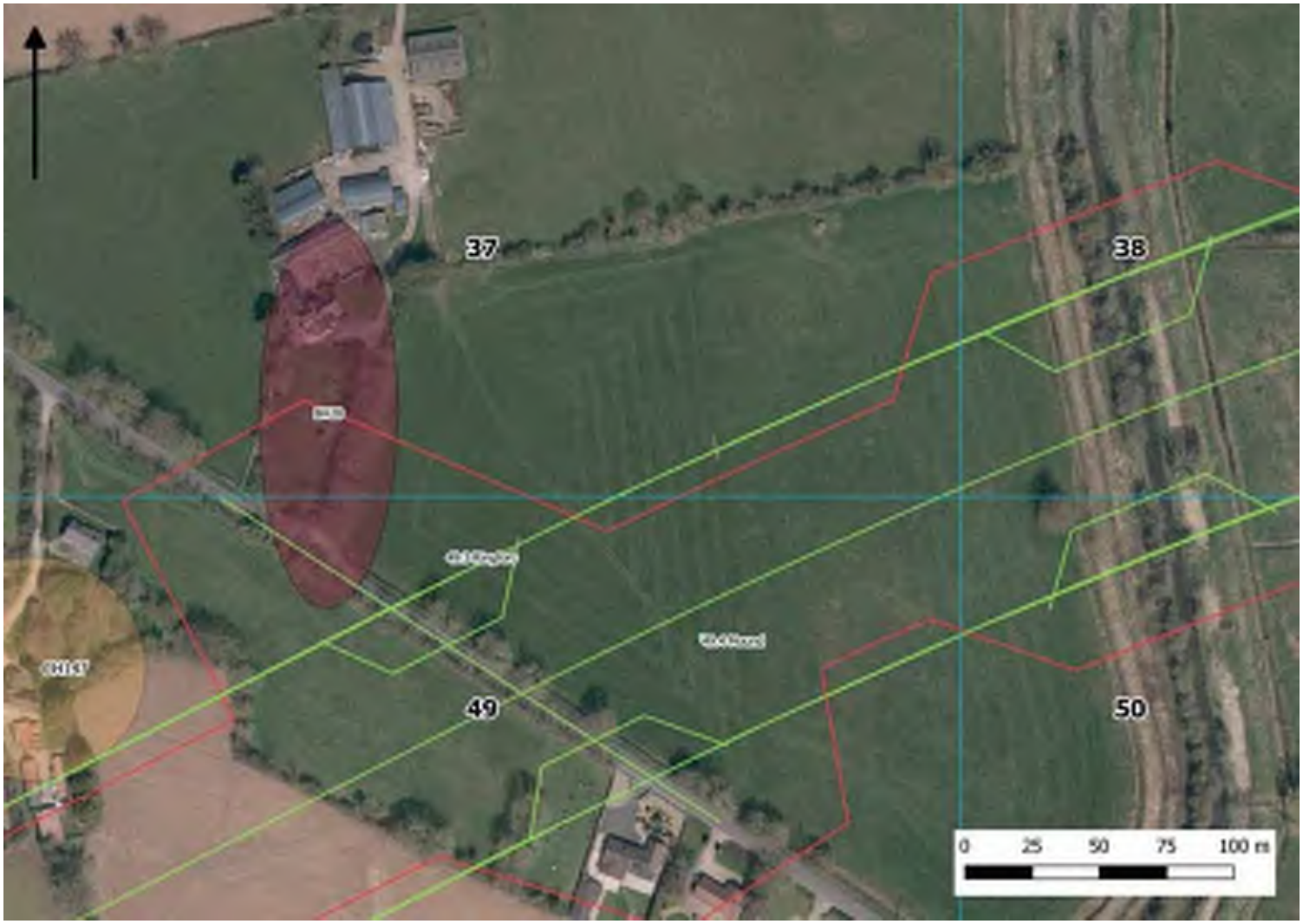
Feature 49.1. Formal designed gardens within grounds of Clonshire Demesne. Possible walled garden c. 253 x 132 m. Scheme orthophotography.



Feature 49.1. Formal designed gardens within grounds of Clonshire Demesne. Possible walled garden c. 253 x 132 m. LRM over SVF image.

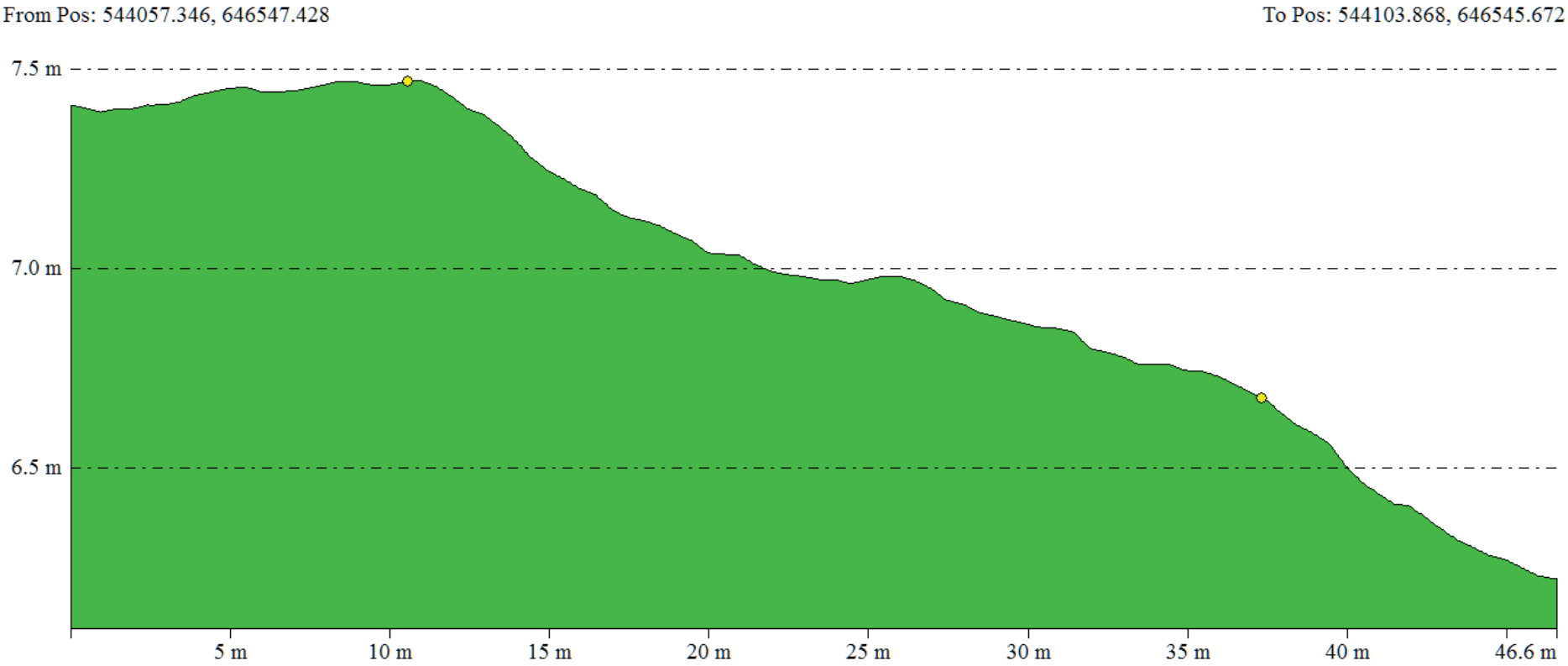


Feature 49.2. Possible enclosure. Raised circular area, 25 x 21 m diameter. LRM over SVF image.

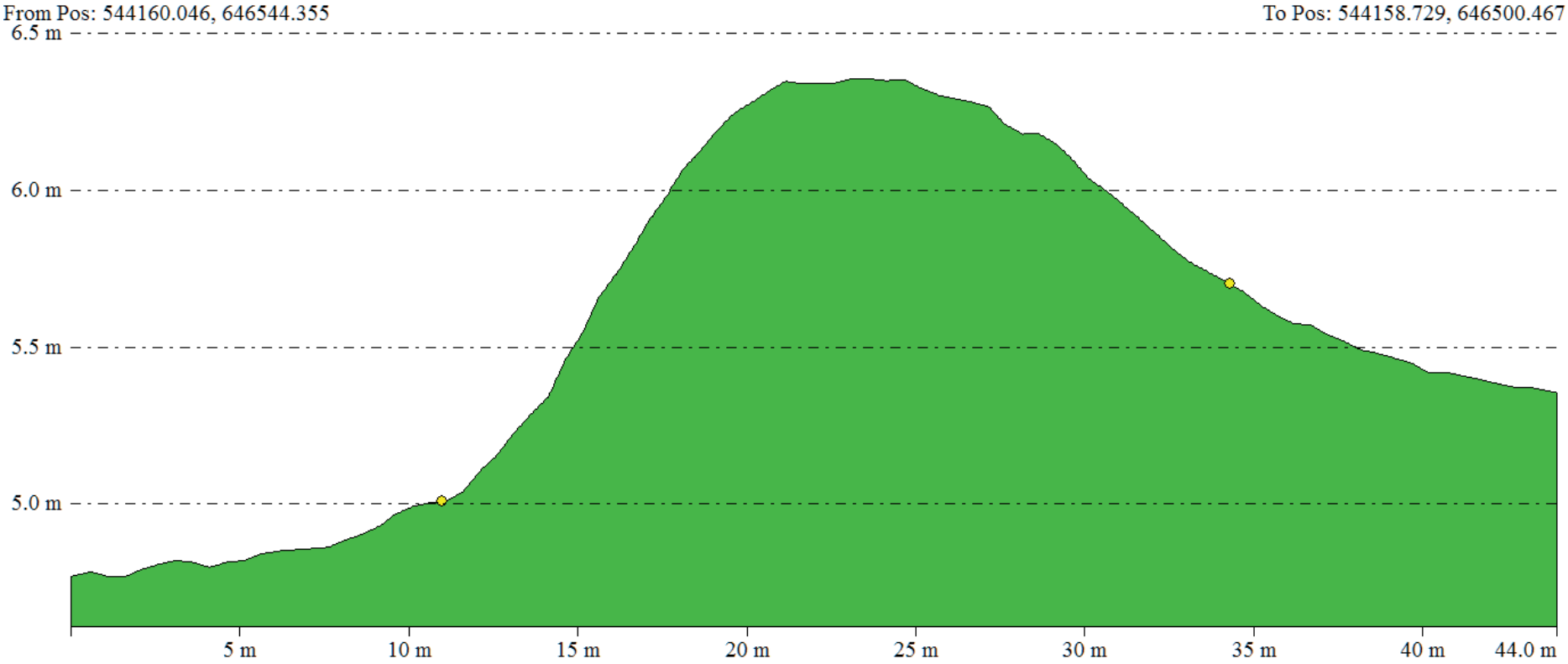


Feature 49.3. Enclosure and associated field system. Central enclosure sub-rectangular but likely to be a ringfort, c. 25 x 19.5 m diameter.
Feature 49.4. Mound, 10 m diameter. May be natural but in area of underlying low topography. Scheme orthophotography. See also Fig. 22

Feature 49.3. Enclosure and associated field system. Central enclosure sub-rectangular but likely to be a ringfort, c. 25 x 19.5 m diameter.
Feature 49.4. Mound, 10 m diameter. May be natural but in area of underlying low topography. LRM over SVF image. See also Fig. 22



Feature 49.3. W-E profile of enclosure.



Feature 49.4. N-S profile of mound.

Grid 52

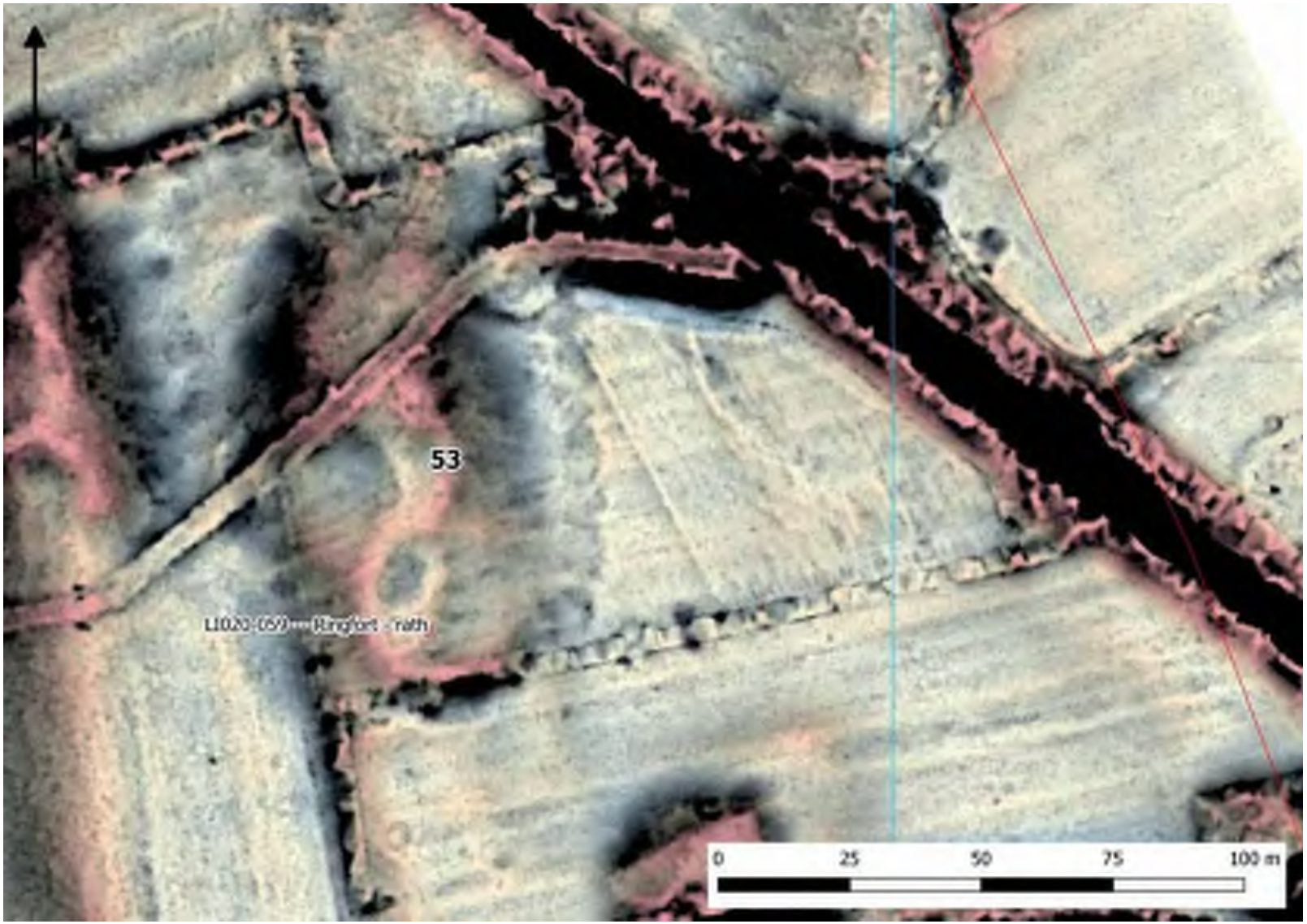
LI020-052 (AH90). Enclosure with broad fosse and central mound. Fosse over 8 m across with central area only 34 m diameter. Possible barrow. Heavily impacted by modern farm access. Scheme orthophotography.

LI020-052 (AH90). Enclosure with broad fosse and central mound. Fosse over 8 m across with central area only 34 m diameter. Possible barrow. Heavily impacted by modern farm access. LRM over SVF image.

Grid 53

LI020-057. Substantial cashel, entrance probably in NW. Part of an extensive archaeological complex. Internal diameter 29.2 m, walls up to 7.5 m thick to the south. Scheme orthophotography.

LI020-057. Substantial cashel, entrance probably in NW. Part of an extensive archaeological complex. Internal diameter 29.2 m, walls up to 7.5 m thick to the south. LRM over SVF image.



LI020-059 (AH91). Ringfort, truncated to the east. 27.2 m diameter. Possibly some internal structural elements to west. LRM over SVF image.

Feature 53.1. Possible ringfort. Elevated area 27.2 m diameter. LRM over SVF image.

Feature 53.2. Associated with LI020-057. Extensive field system with enclosure elements.
Feature 53.3. Small ringfort, 29.8 x 27 m diameter.
Feature 53.4. Low profile oval ringfort to the west of LI020-057. 31 m diameter. Scheme orthophotography. See also Fig. 18

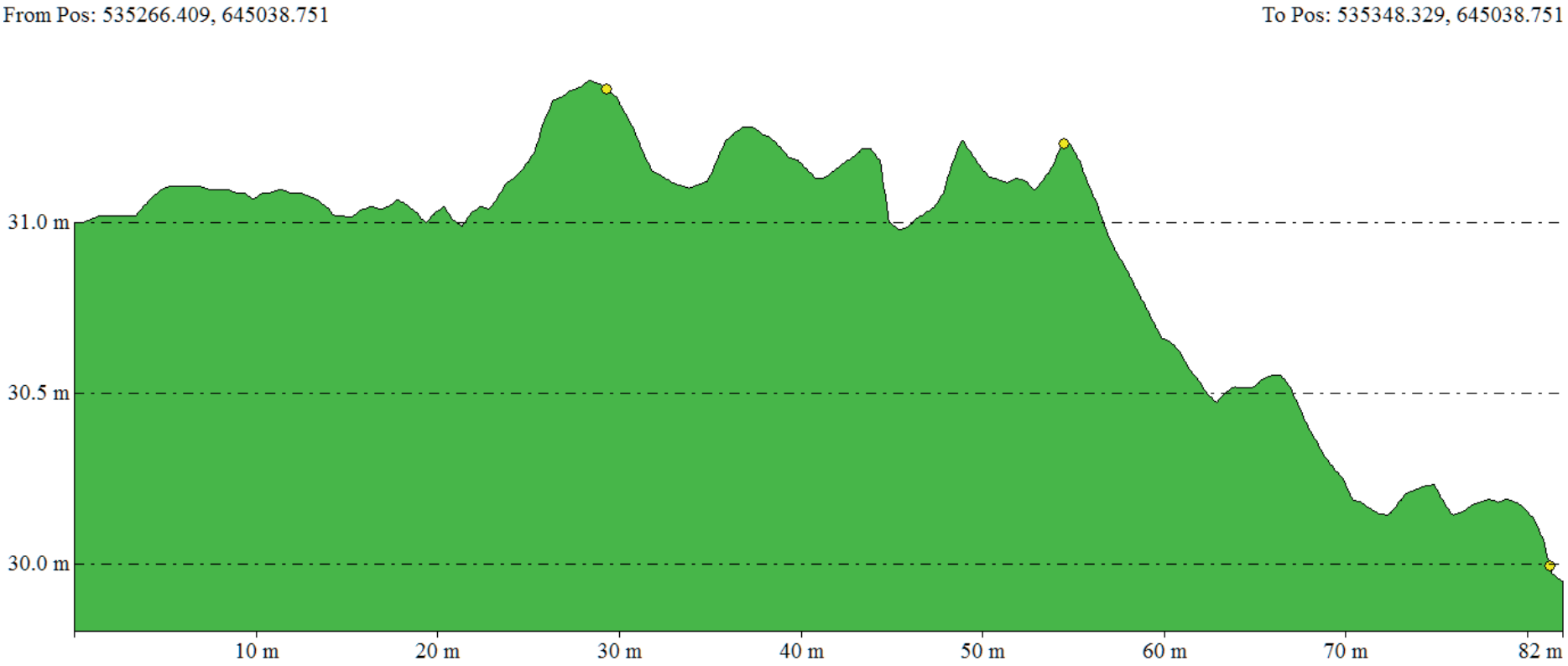
Feature 53.2. Associated with LI020-057. Extensive field system with enclosure elements. 409 x 338 m.
Feature 53.3. Small ringfort, 29.8 x 27 m diameter.
Feature 53.4. Low profile oval ringfort to the west of LI020-057. 31 m diameter. LRM over SVF image. See also Fig. 18

Feature 53.2. Full extent of field system and associated features. 409 x 338 m.

S2
S3
0
25
50
75
100 m

Feature 53.5. Small ringfort under heavy forestry. 26 m diameter. Scheme orthophotography.

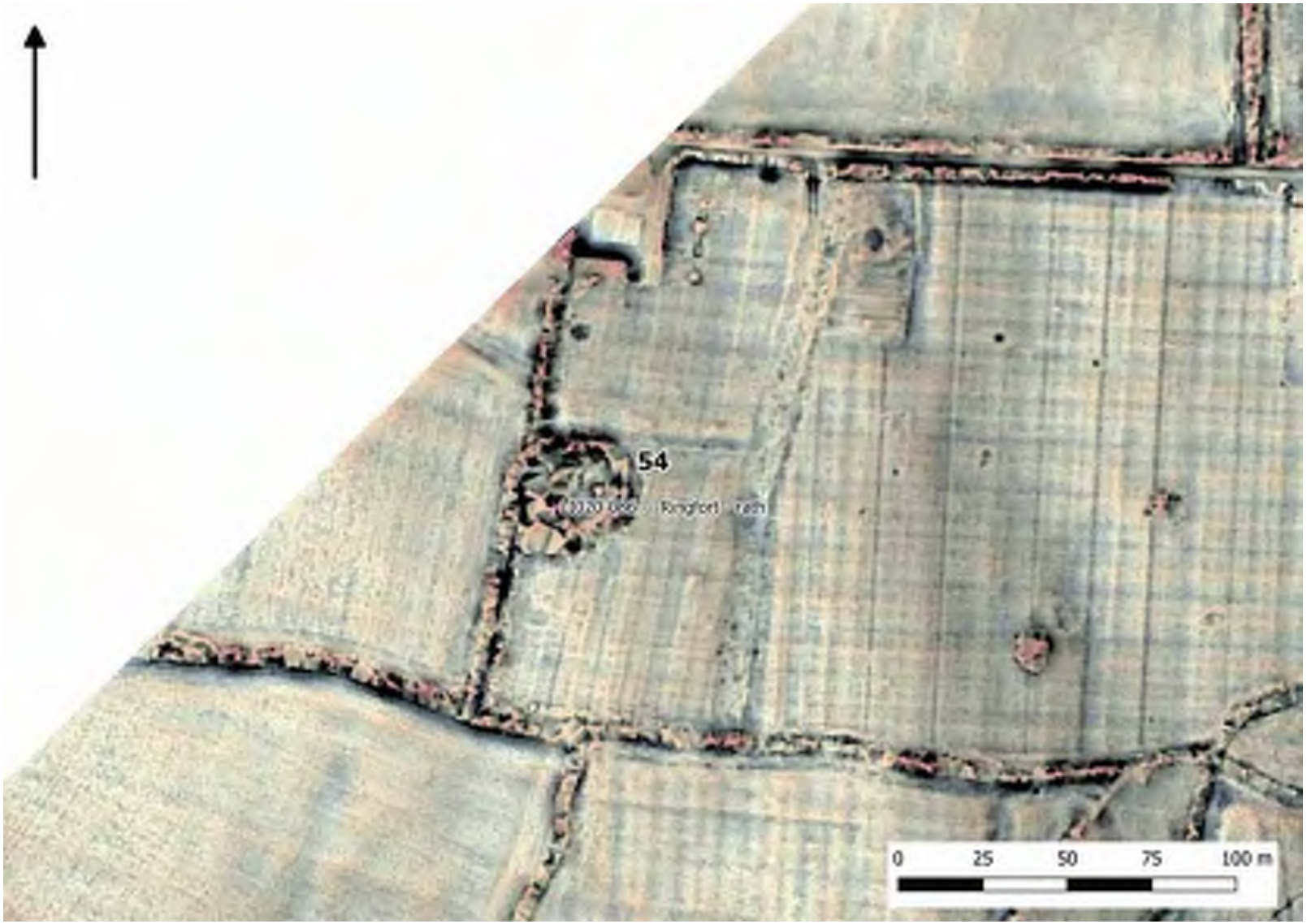
Feature 53.5. Small ringfort under heavy forestry. 26 m diameter. LRM over SVF image.



Feature 53.5. W-E profile across enclosure.

Grid 54

LI020-086. Under very heavy woodland. Bank apparently well-preserved, diameter 33 x 28 m. Scheme orthophotography.



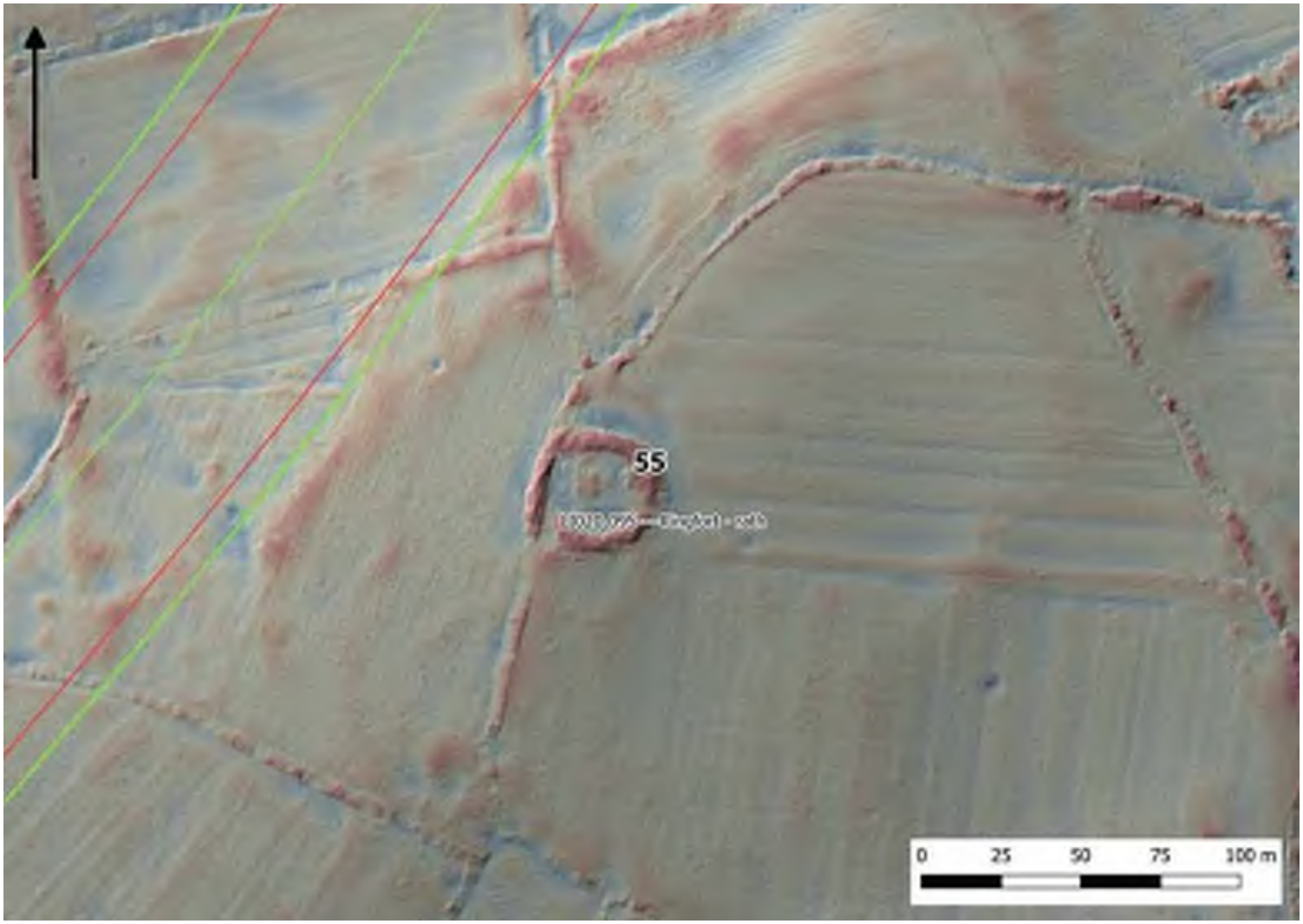
LI020-086. Under very heavy woodland. Bank apparently well-preserved, diameter 33 x 28 m. LRM over SVF image.

LI020-087 (AH118). Probable ringfort. Well preserved to east, but largely denuded to west. 26 m diameter. Scheme orthophotography.

LI020-087 (AH118). Probable ringfort. Well preserved to east, but largely denuded to west. 26 m diameter. LRM over SVF image.

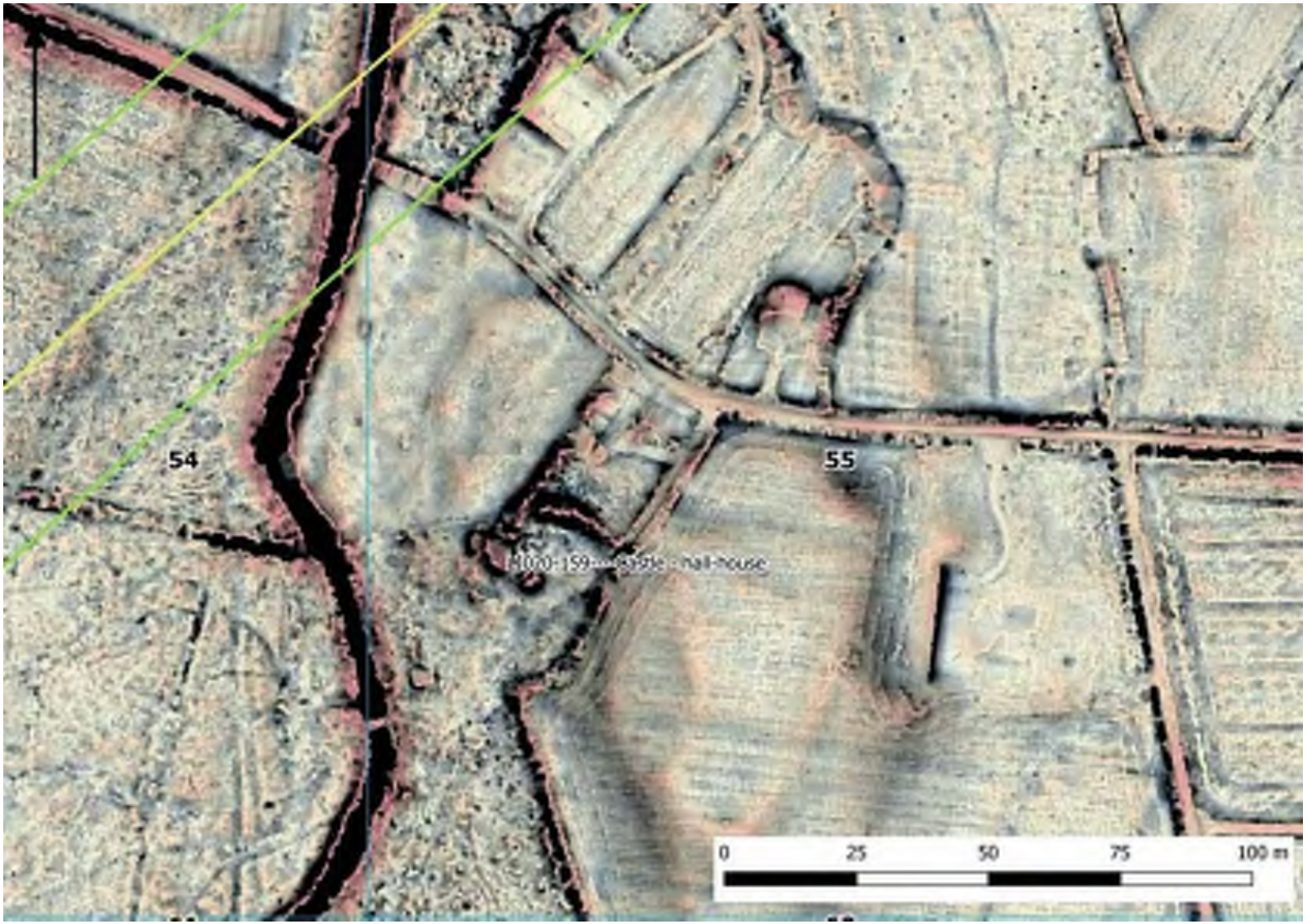
Grid 55

LI020-095 (AH120). Well-preserved ringfort under woodland. Breaks in bank to east and south. Suggestion of internal structure at north. 29.7 m diameter. Scheme orthophotography.

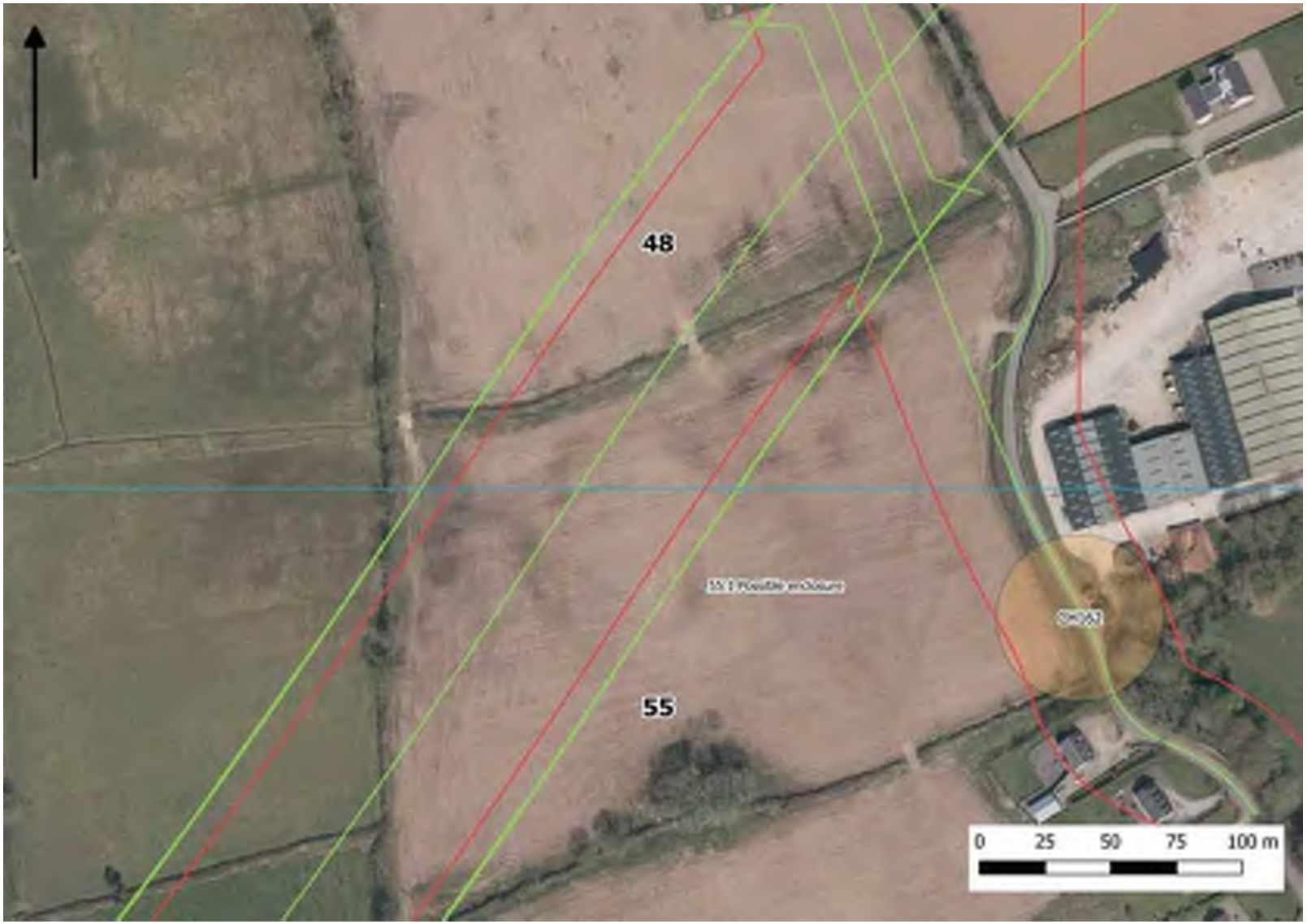


LI020-095 (AH120). Well-preserved ringfort under woodland. Breaks in bank to east and south. Suggestion of internal structure at north. 29.7 m diameter. LRM over 16-direction hillshade.

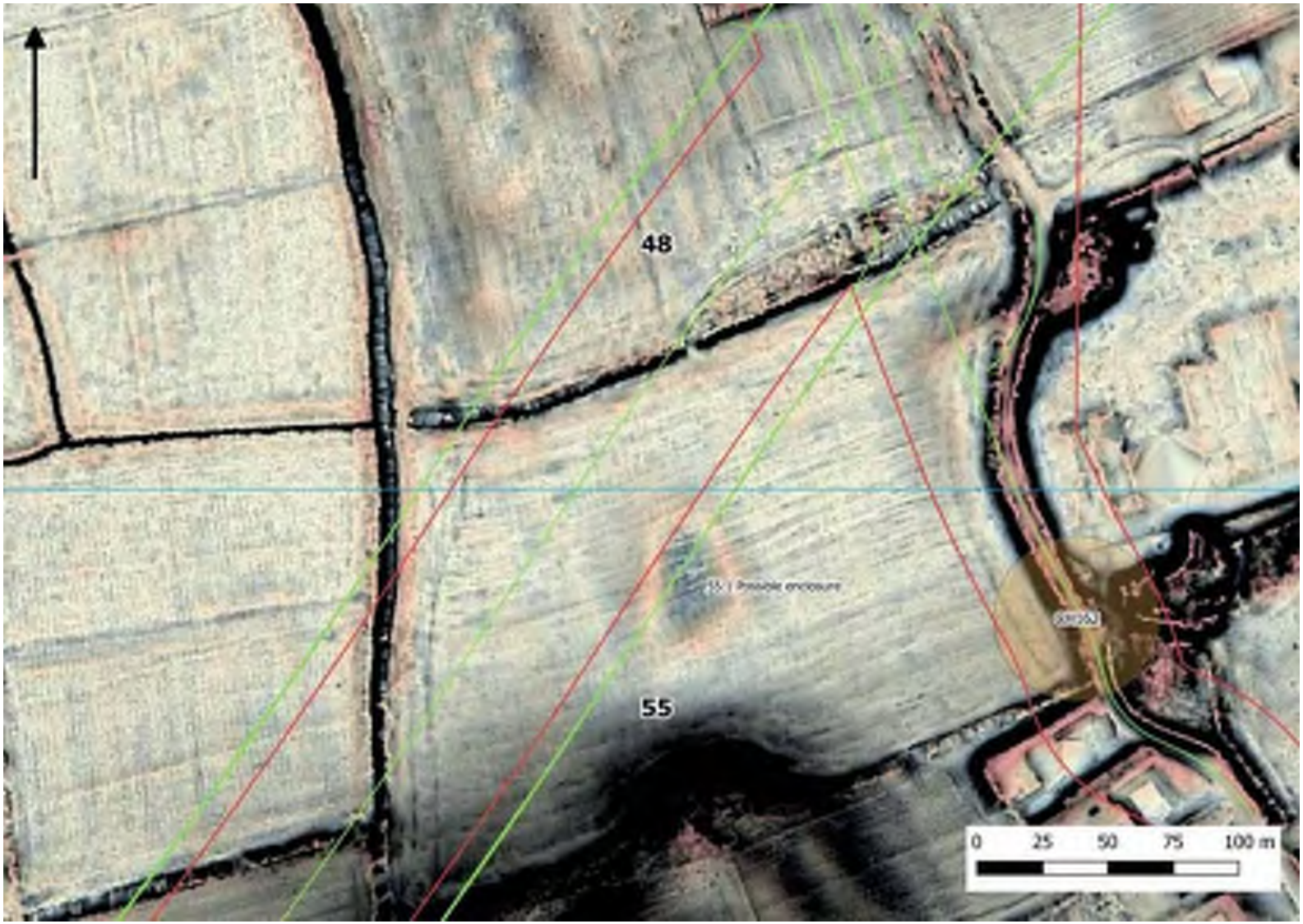
LI020-159 (AH119). Data unsuitable to comment on building. Apparent related field system to SE, impacted by modern building development. Scheme orthophotography.



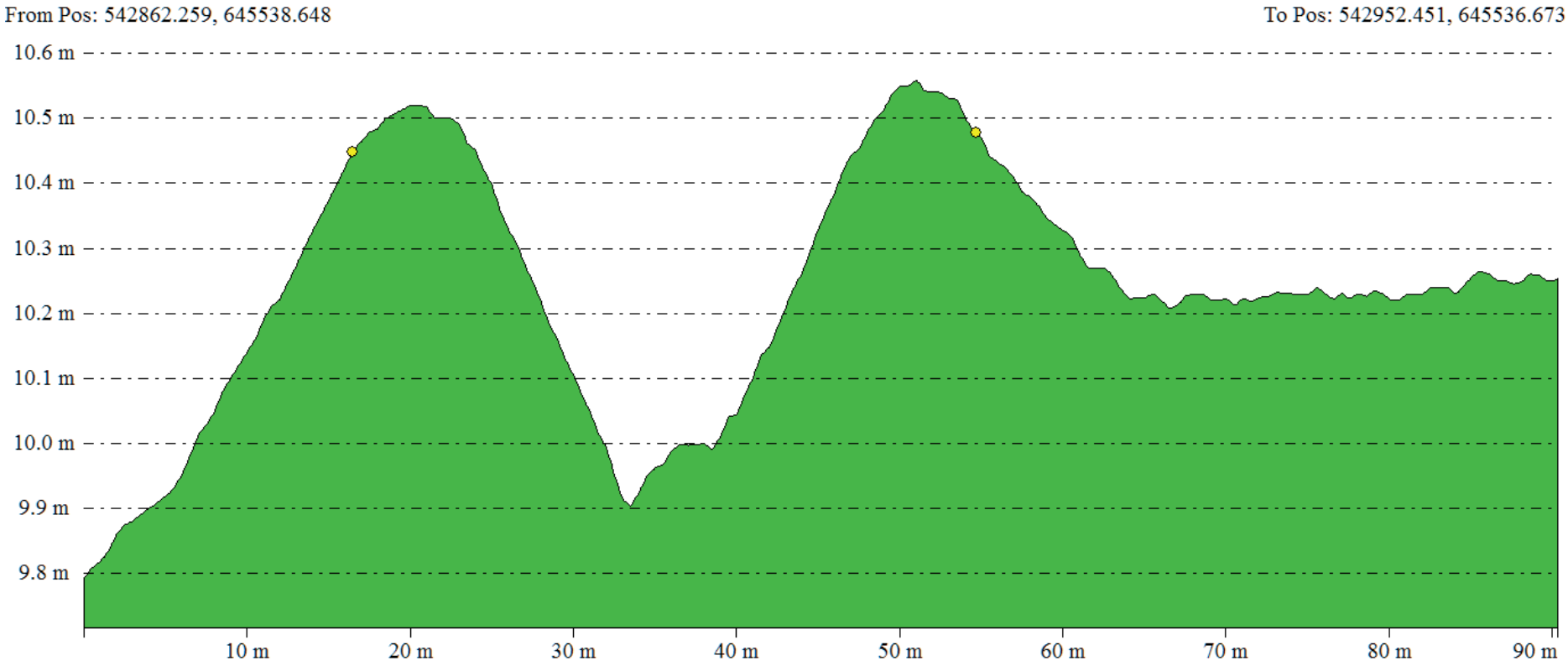
LI020-159 (AH119). Data unsuitable to comment on building. Apparent related field system to SE impacted by modern building development. LRM over SVF image.



Feature 55.1. Trapezoidal area defined by depression. 38.5 x 24.5 m. Probable quarry. Scheme orthophotography.

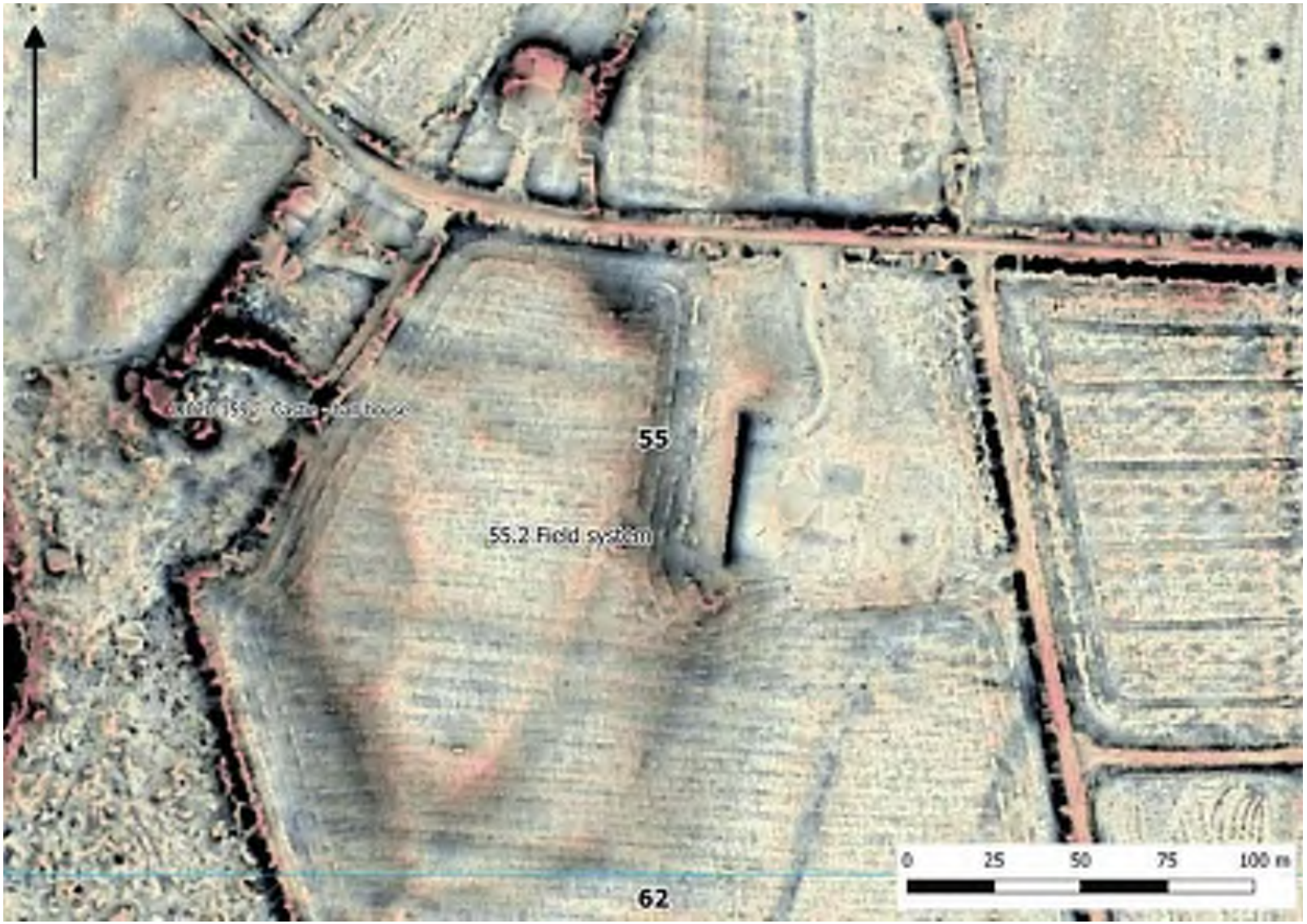


Feature 55.1. Trapezoidal area defined by depression. 38.5 x 24.5 m. Probable quarry. Probable quarry. LRM over SVF.



Feature 55.1. W-E profile of probable quarry.

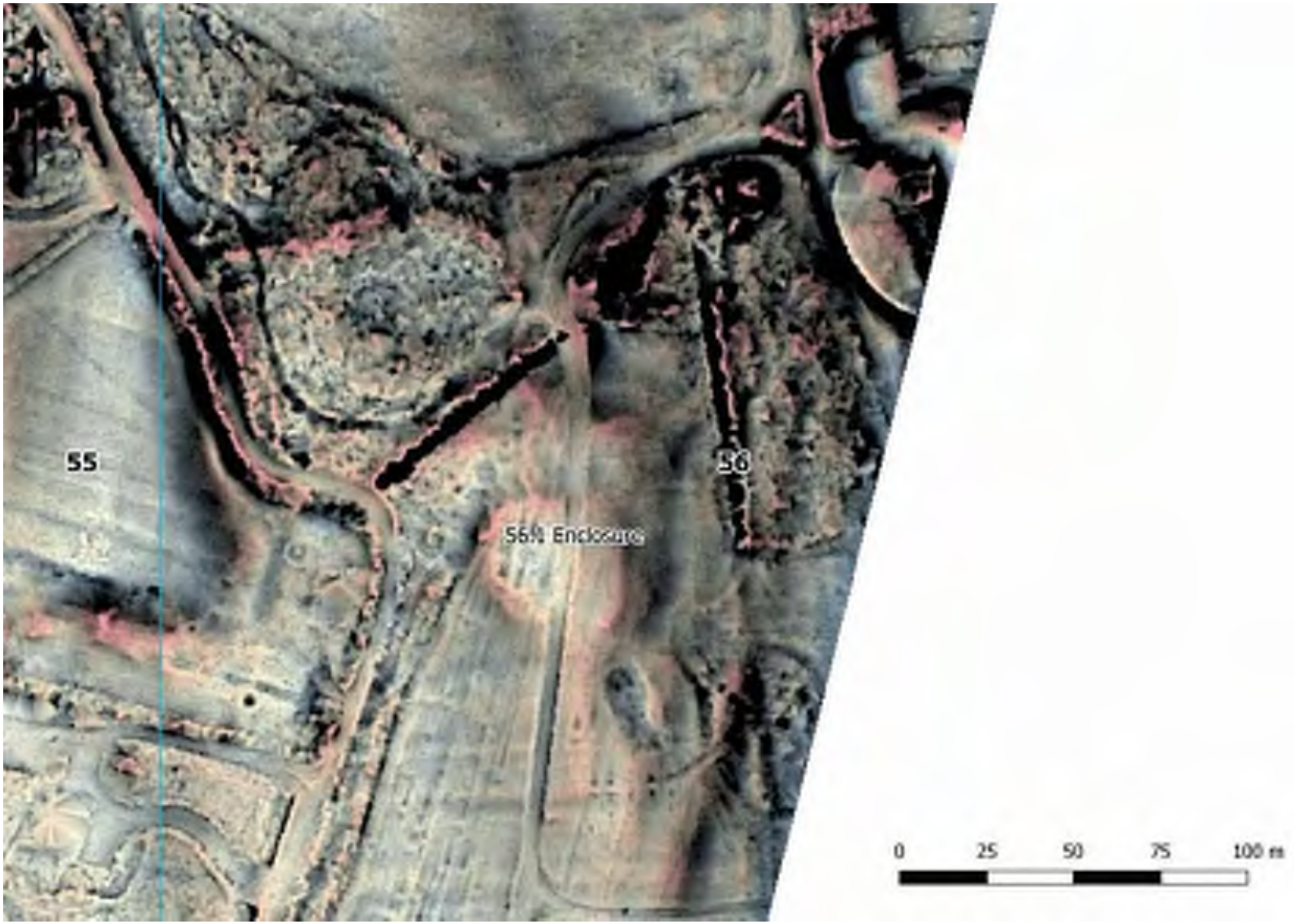
Feature 55.2. Field system associated with LI020-159. 181 x 115m. 6 inch mapping. See also Fig. 20.



Feature 55.2. Field system associated with LI020-159. 181 x 115m. LRM over SVF image. See also Fig. 20.

Grid 56

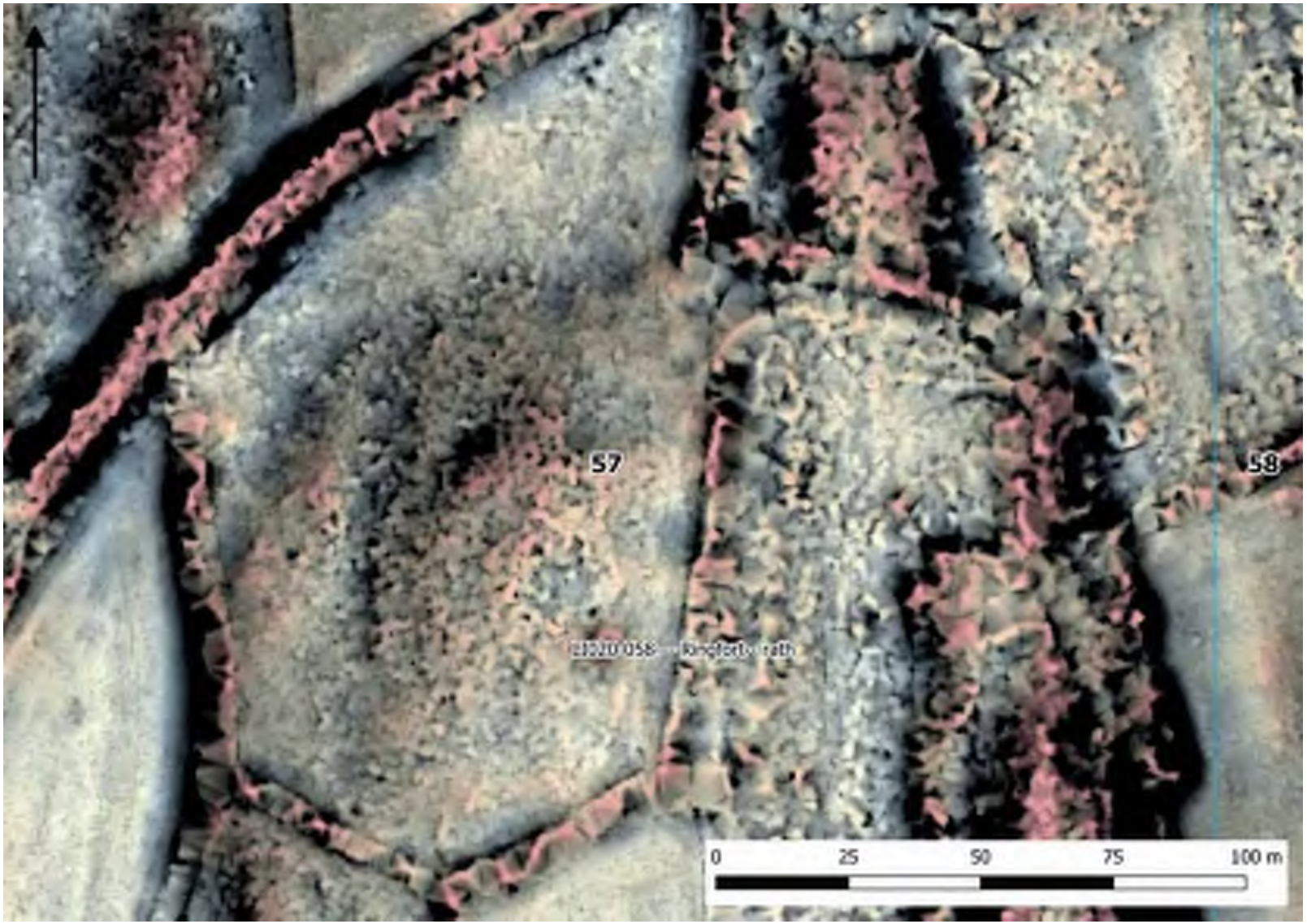
Feature 56.1. Possible ringfort bisected by driveway of Clonshire Lodge. Diameter 33.7 m. Scheme orthophotography.



Feature 56.1. Possible ringfort bisected by driveway of Clonshire Lodge. Diameter 33.7 m. LRM over SVF image.

Grid 57

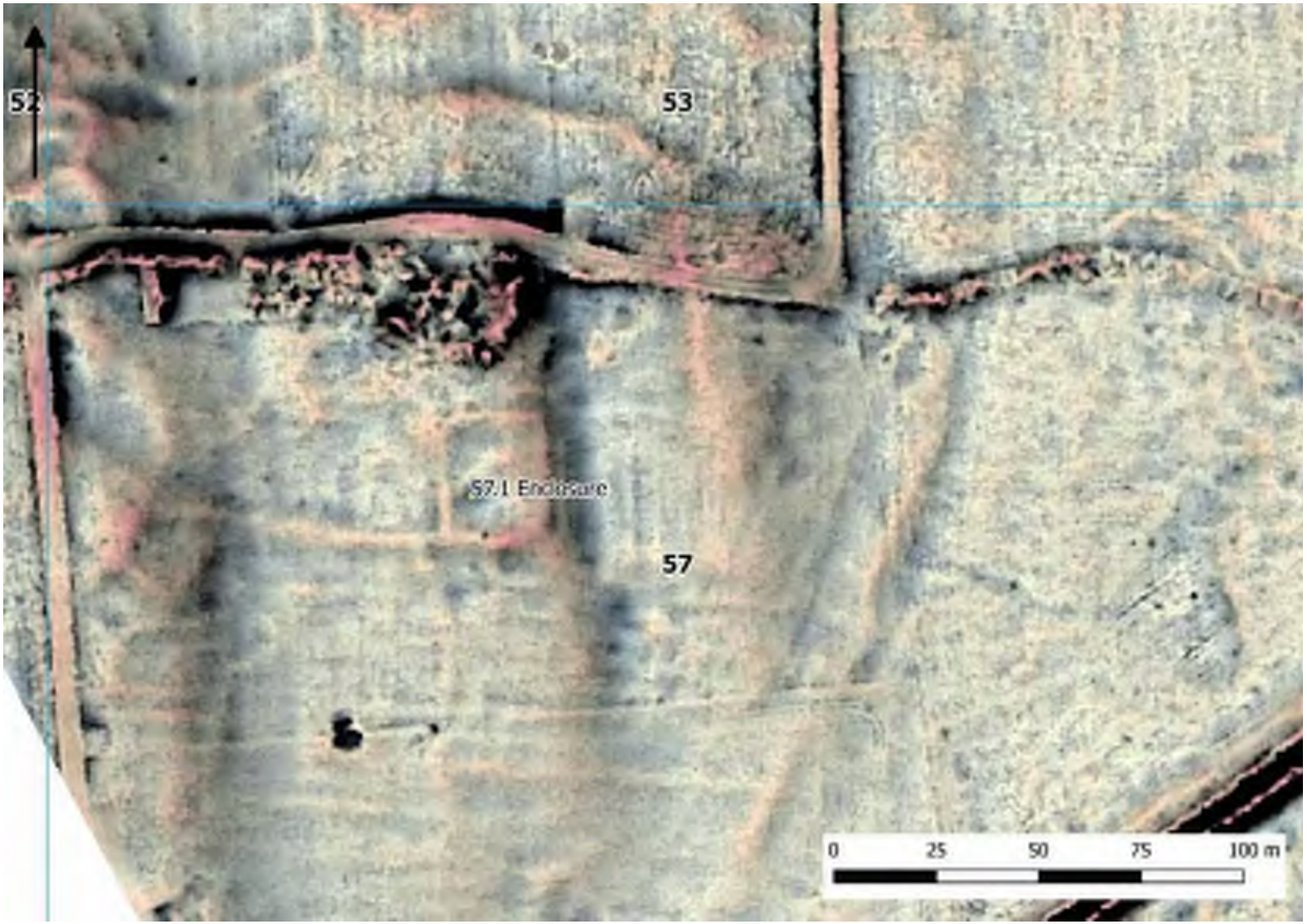
LI020-058 (AH92). Slight trace of a circular enclosed area, 16.5 m diameter. No other visible trace remains. 6-inch series.



LI020-058 (AH92). Slight trace of a circular enclosed area, 16.5 m diameter. No other visible trace remains. LRM over SVF image.

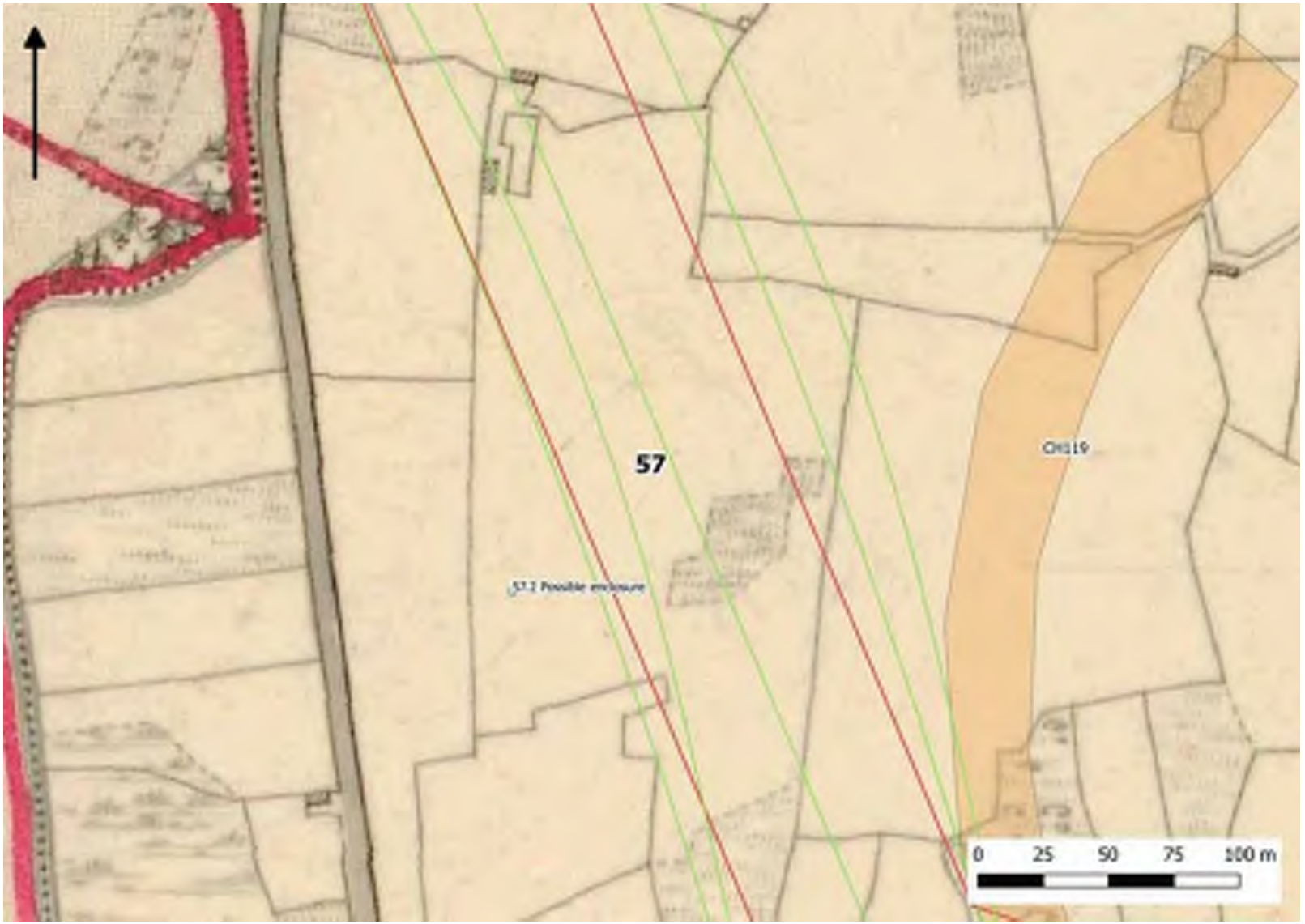
LI020-060 (AH93). Probable ringfort. Northern section levelled. Southern section well-preserved under forestry. 37 m diameter. Scheme orthophotography.

LI020-060 (AH93). Probable ringfort. Northern section levelled. Southern section well-preserved under forestry. 37 m diameter. LRM over SVF image.

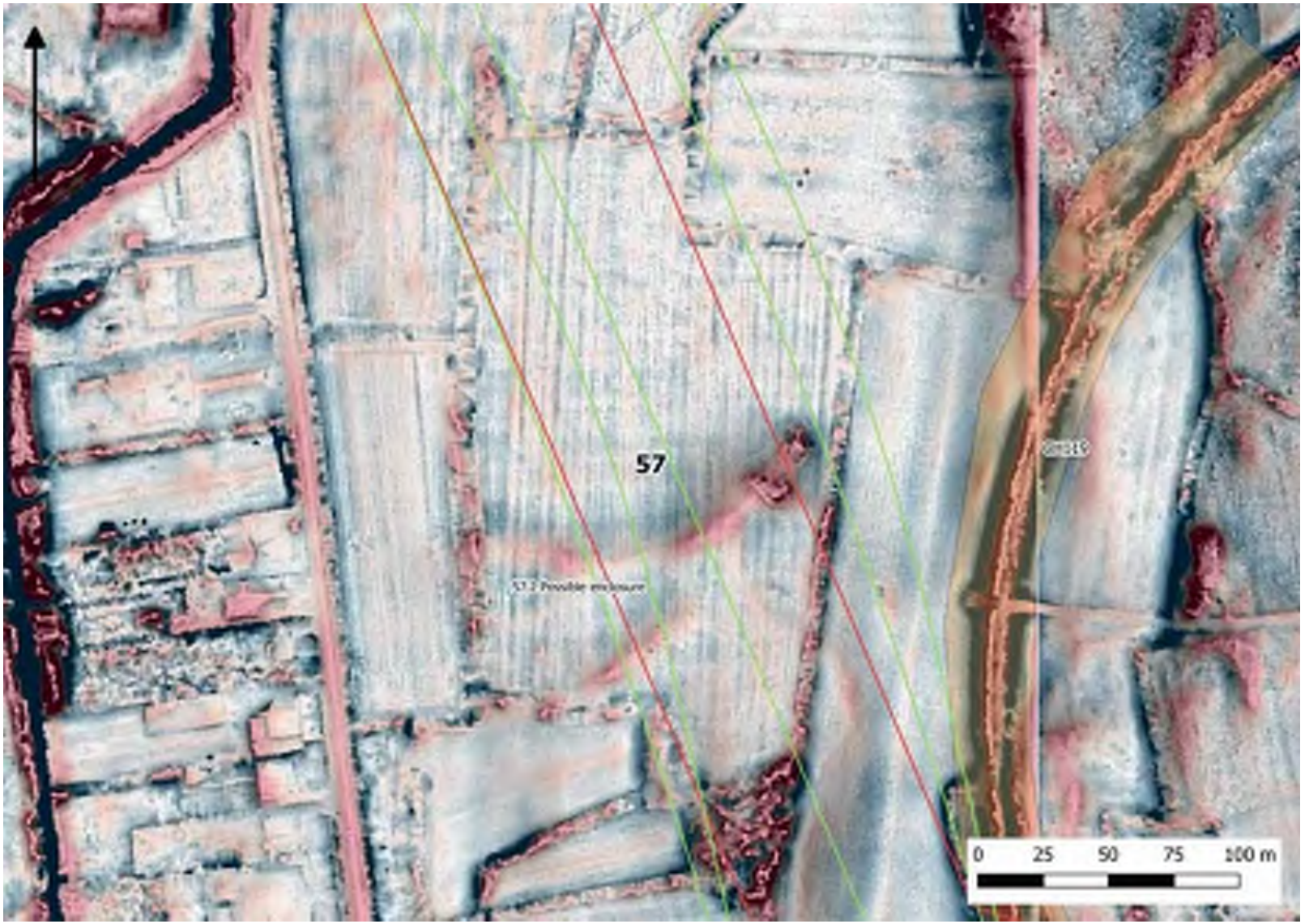


Feature 57.1. Rectangular enclosure associated with 53.3. 30 x 25 m. LRM over SVF image.

Feature 57.2. Possible oval enclosure, truncated to west. 26 x 21 m. Connected to possible building by low spur to NE. Scheme orthophotography.

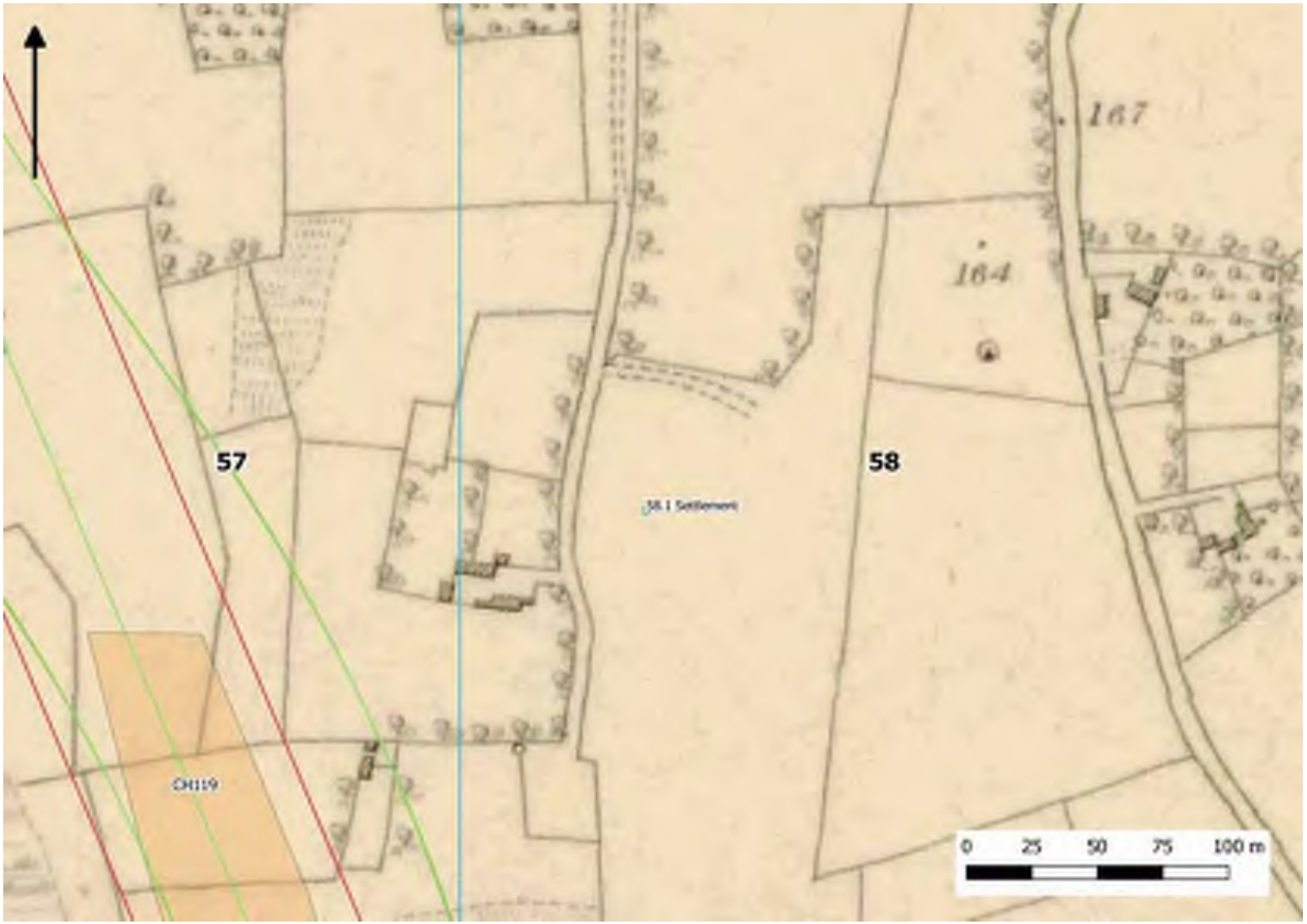


Feature 57.2. Possible oval enclosure, truncated to west. 26 x 21 m. Connected to possible building by low spur to NE. 6-inch series mapping.

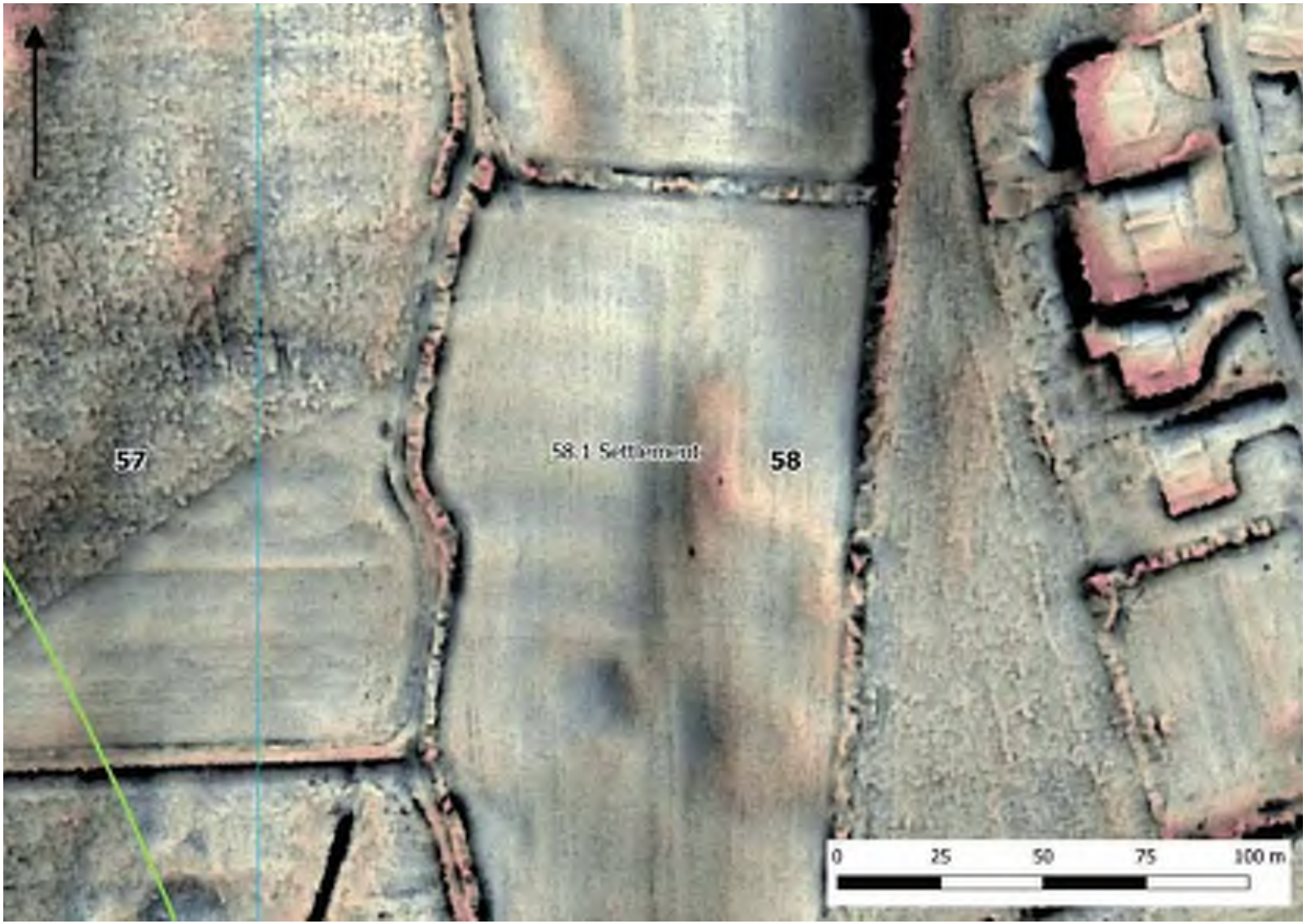


Feature 57.2. Possible oval enclosure, truncated to west. 26 x 21 m. Connected to possible building by low spur to NE. LRM over SVF image.

Grid 58

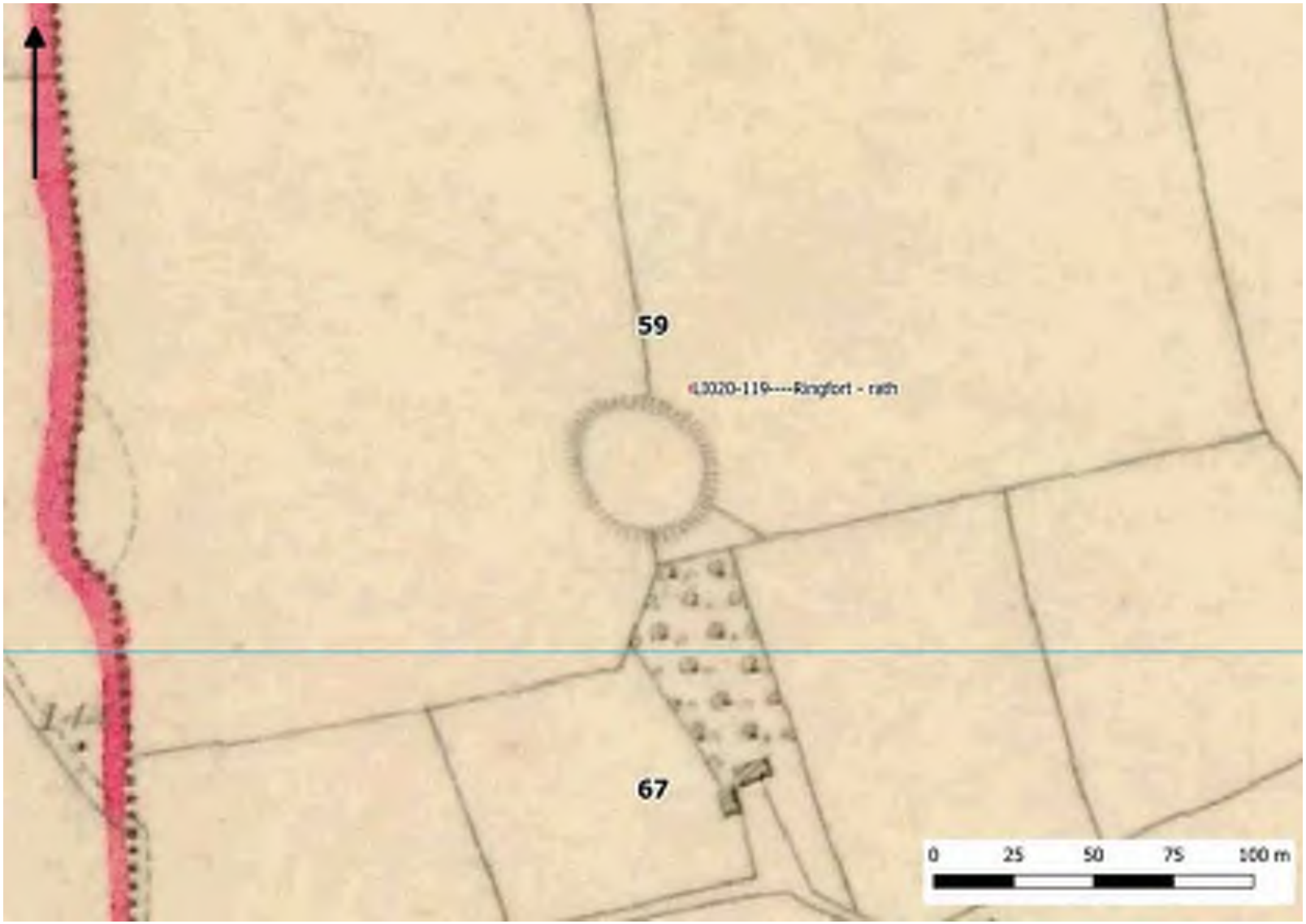


Feature 58.1. Group of rectangular plots aligned along field boundary. Possible medieval settlement plots, 45 x 15 m. 6-inch series showing marked pathway to site.

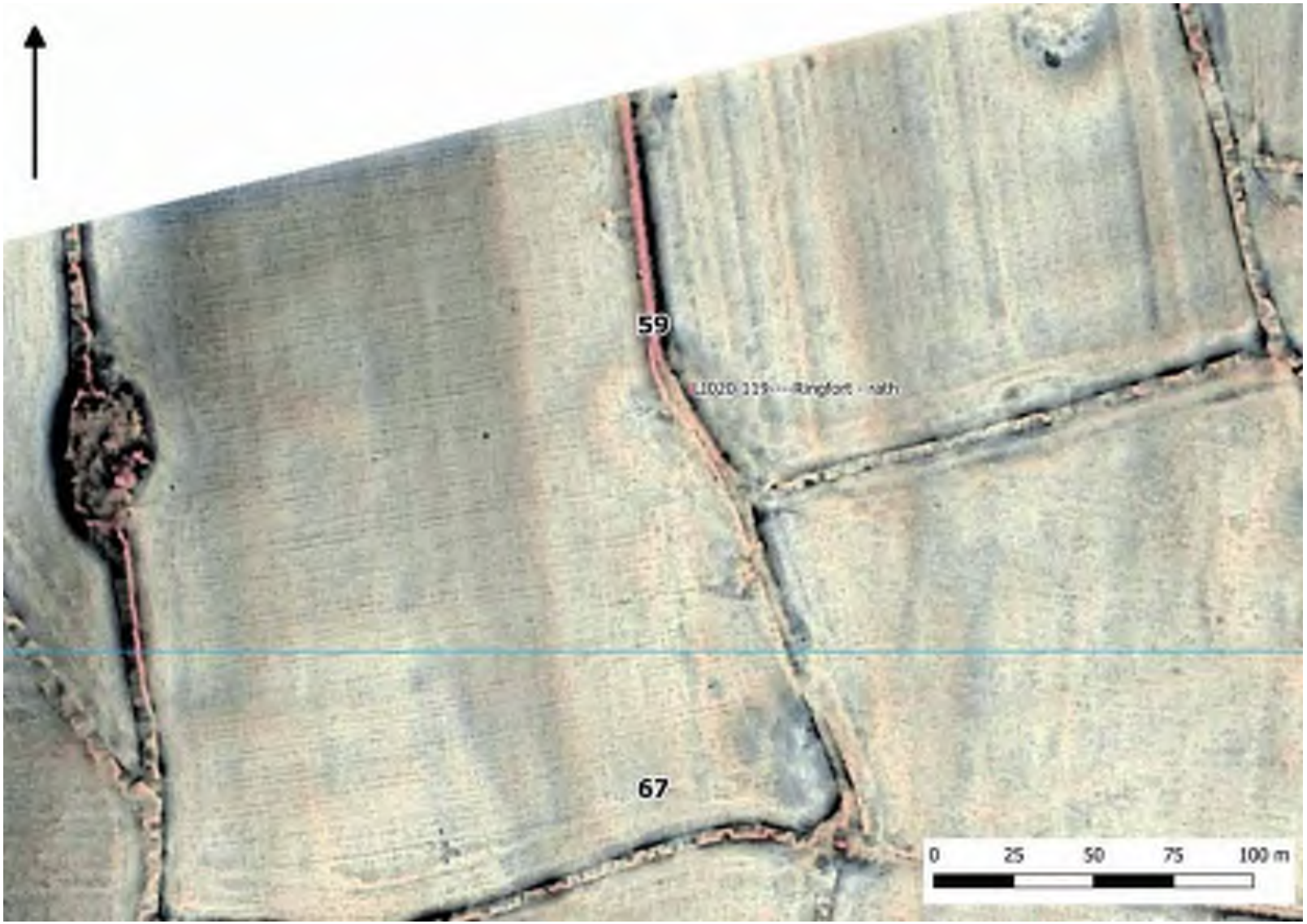


Feature 58.1. Group of rectangular plots aligned along field boundary. Possible medieval settlement plots, 45 x 15 m. LRM over SVF image.

Grid 59

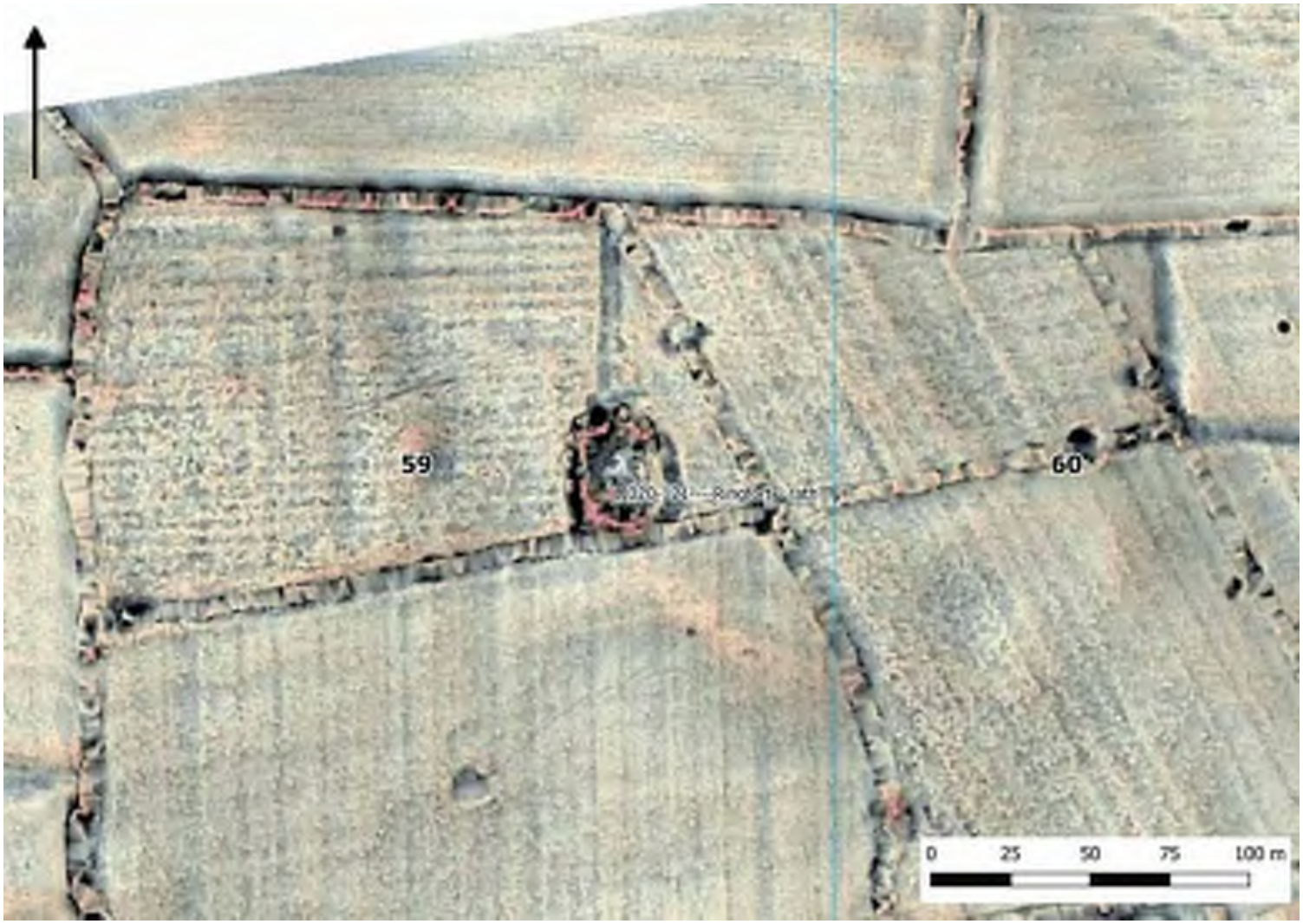


LI020-119. Slight trace of western half visible as very low, curving bank. Probable original diameter c. 29 m. 6-inch series.



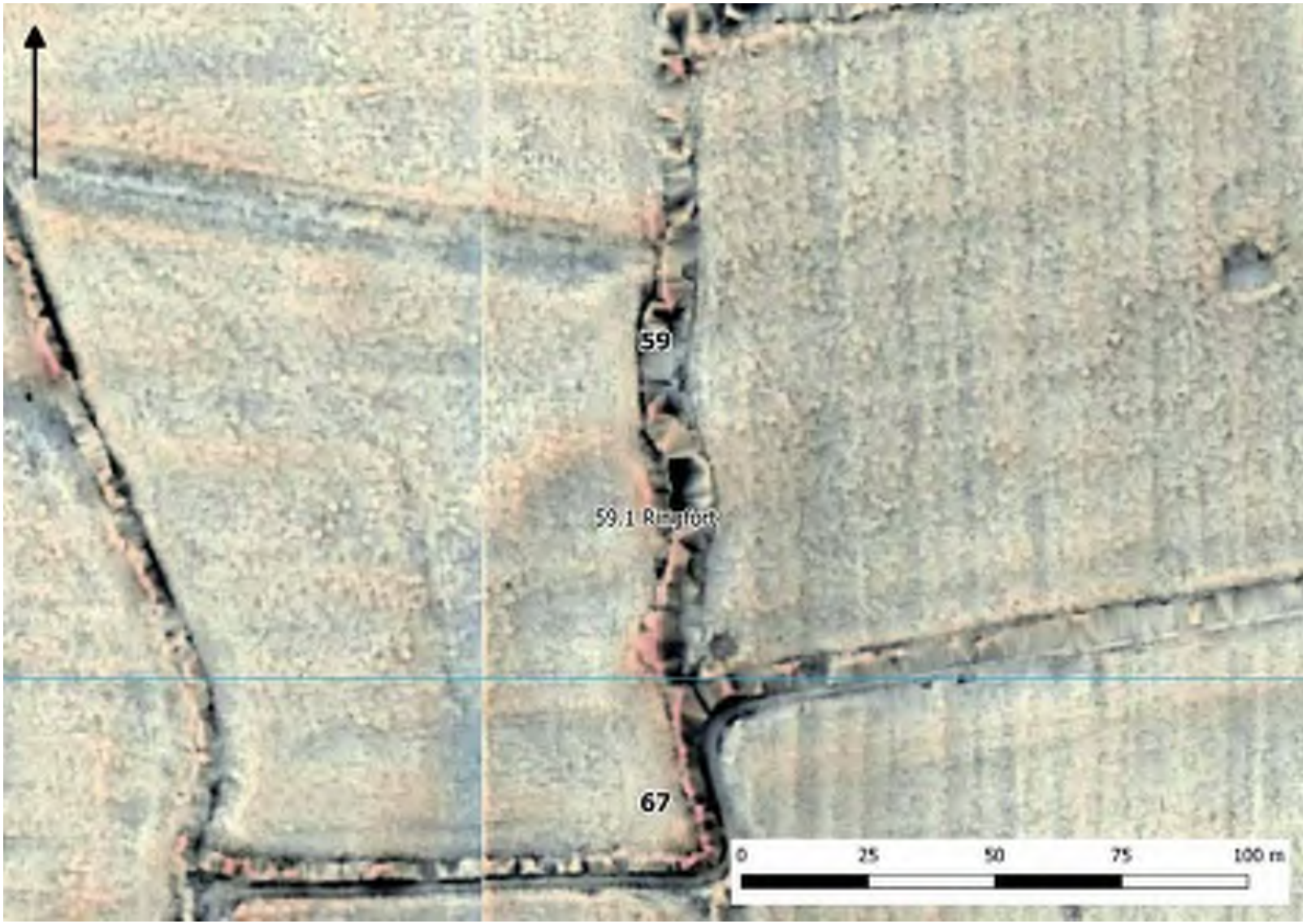
LI020-119. Slight trace of western half visible as very low, curving bank. Probable original diameter c. 29 m. LRM over SVF.

LI020-121. Somewhat disturbed and heavily vegetated. Suggestion of some internal differentiation (semi-concentric ditches). Original dimensions 31 x 26 m. Scheme orthophotography.



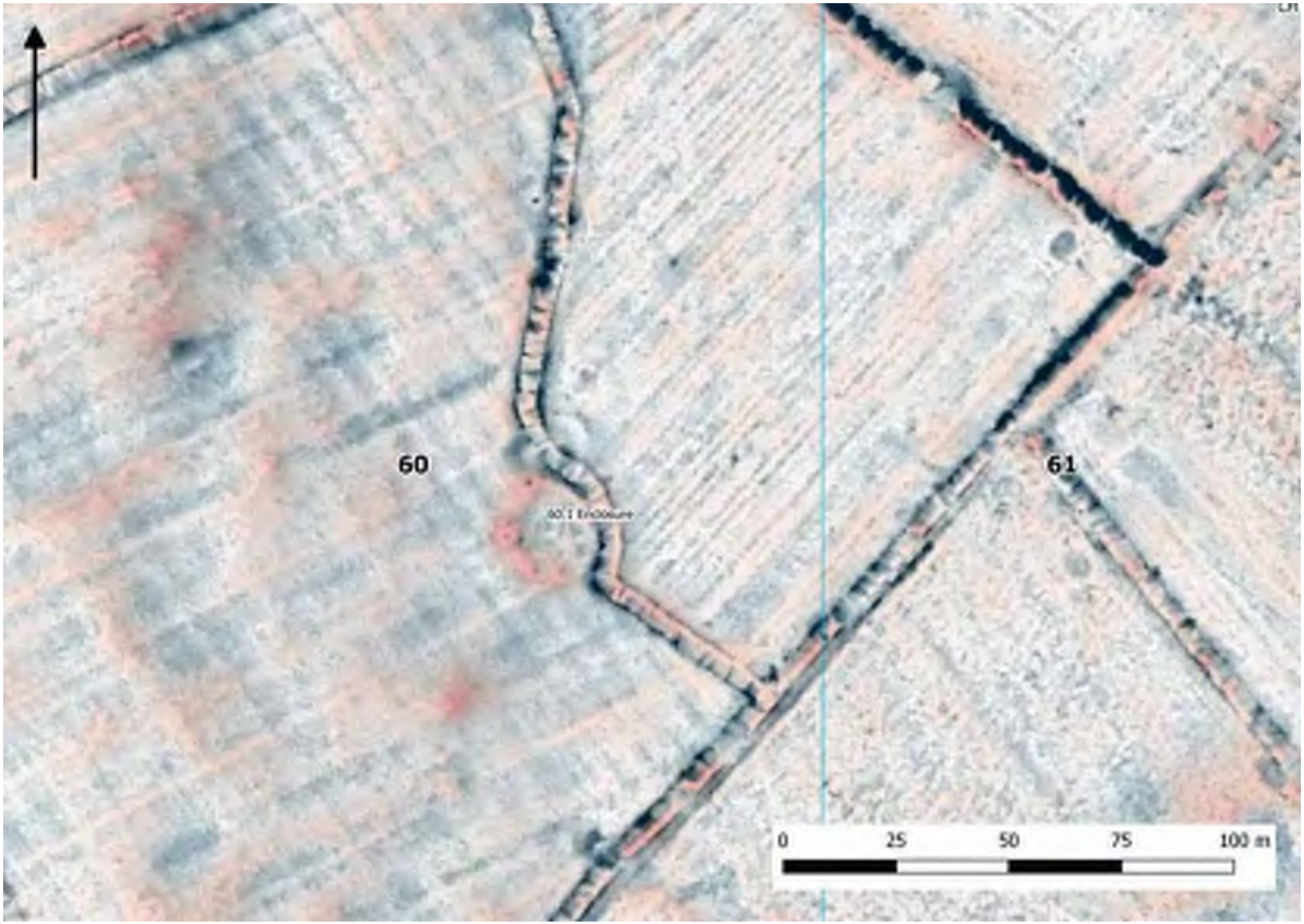
LI020-121. Somewhat disturbed and heavily vegetated. Suggestion of some internal differentiation (semi-concentric ditches). Original dimensions 31 x 26 m. LRM over SVF.

Feature 59.1. Small, circular enclosure, 21.8 m diameter. Probable ringfort. Scheme orthophotography.

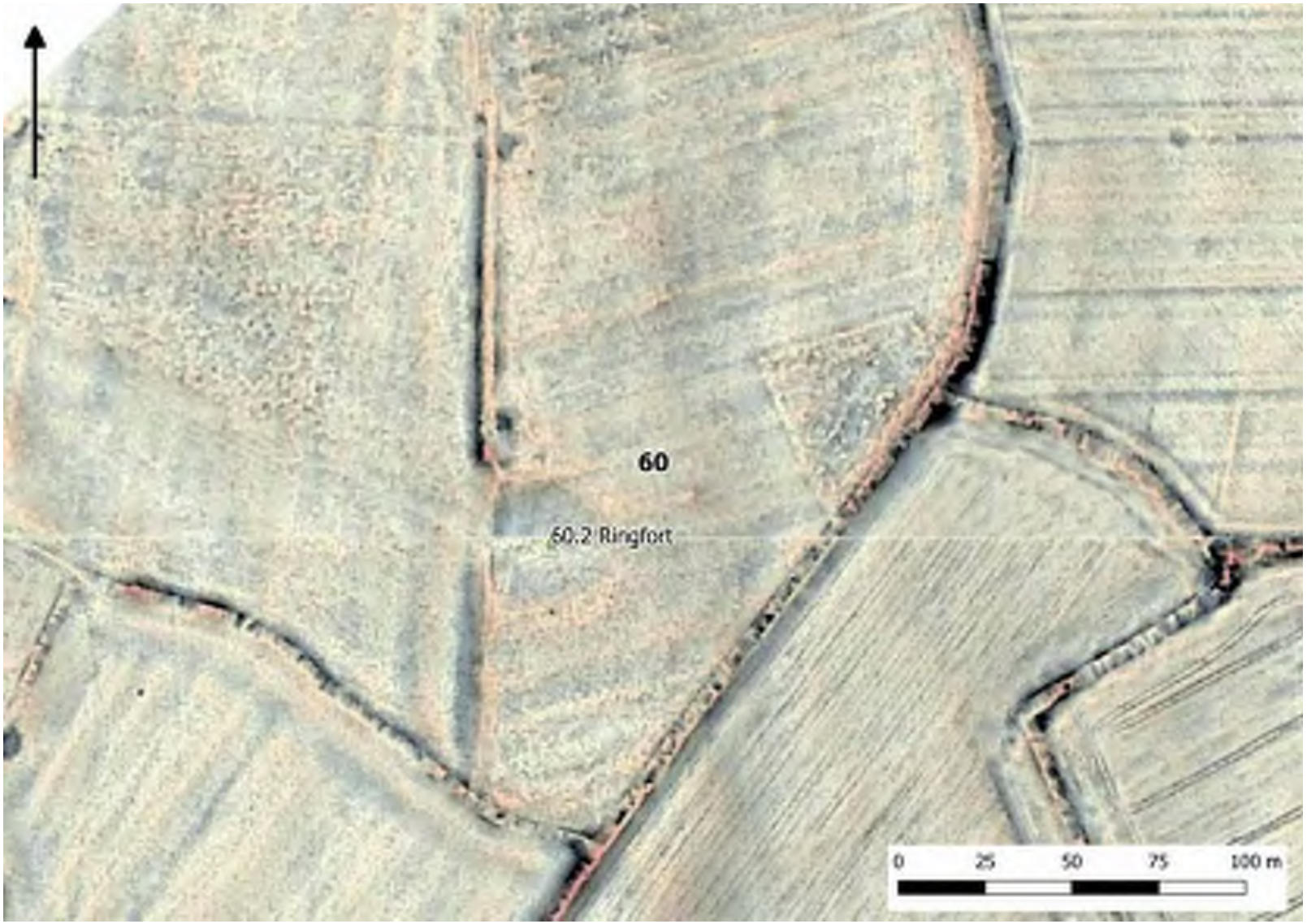


Feature 59.1. Small, circular enclosure, 21.8 m diameter. Probable ringfort. LRM over SVF image.

Grid 60

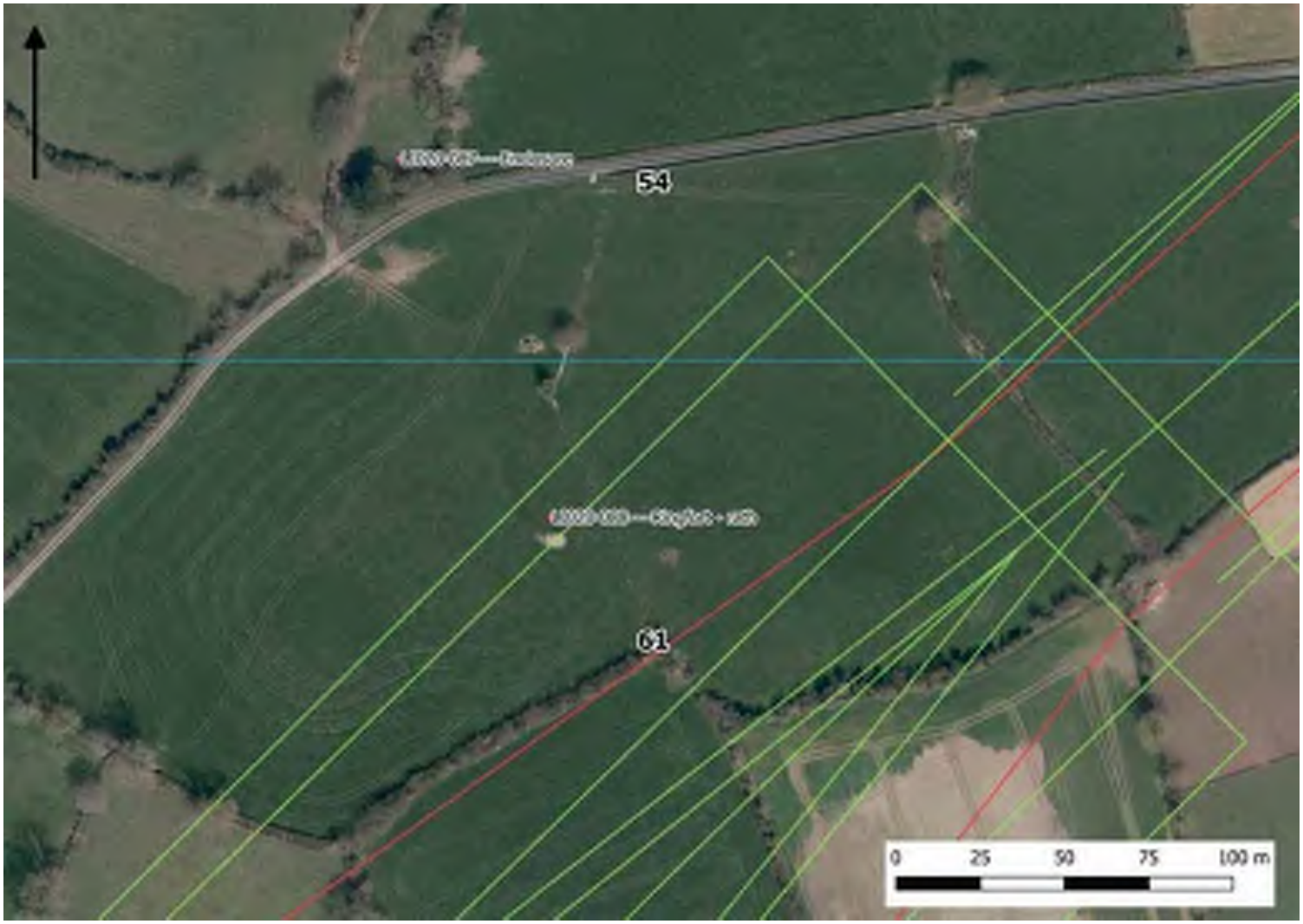


Feature 60.1. Small, circular enclosure, defined to the NE by curve in field boundary. Diameter 18.1 m. Possible small ringfort. LRM over SVF image.

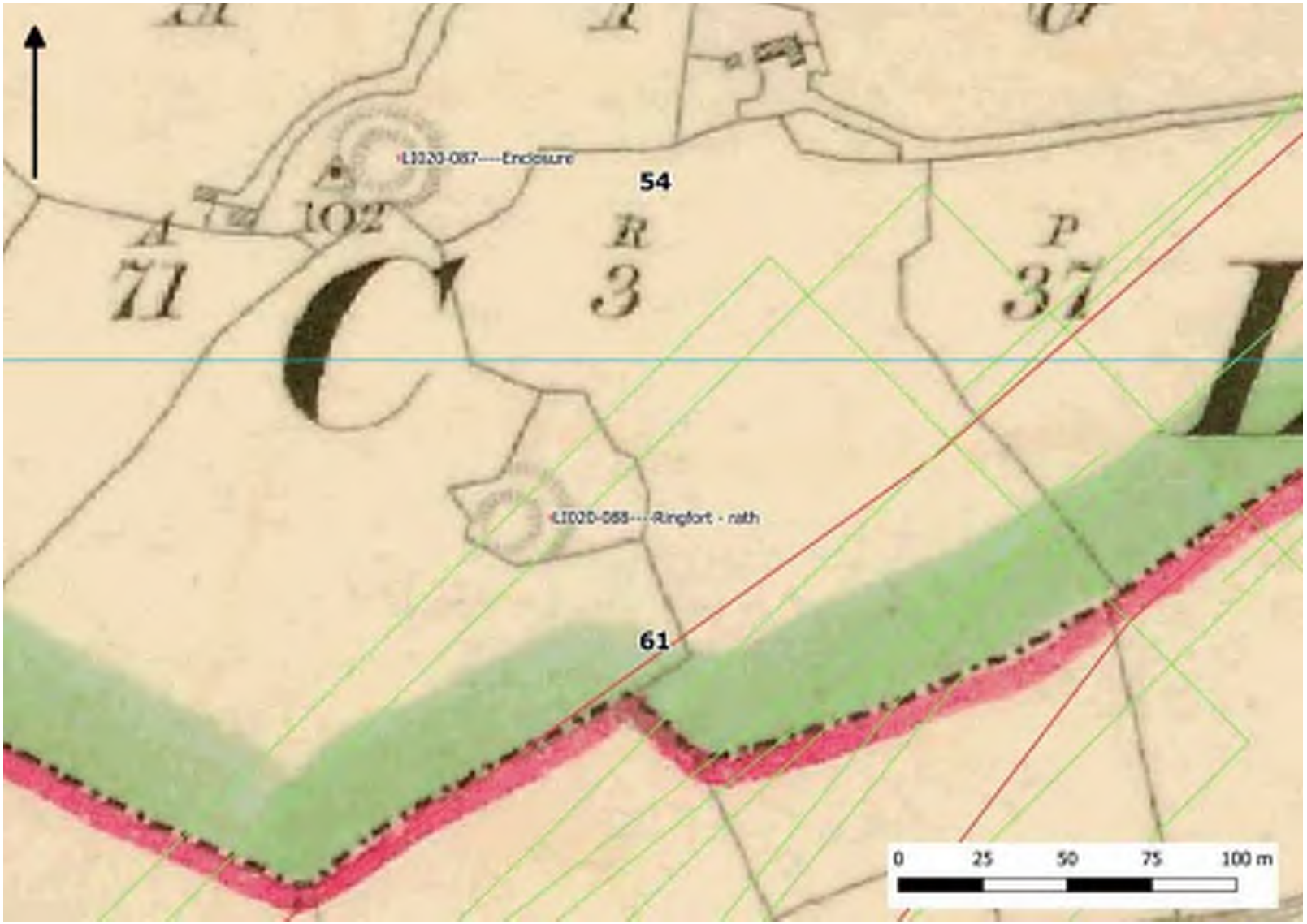


Feature 60.2. Circular enclosure, truncated to west by field boundary. Possible ringfort, 38.8 m diameter. LRM over SVF image.

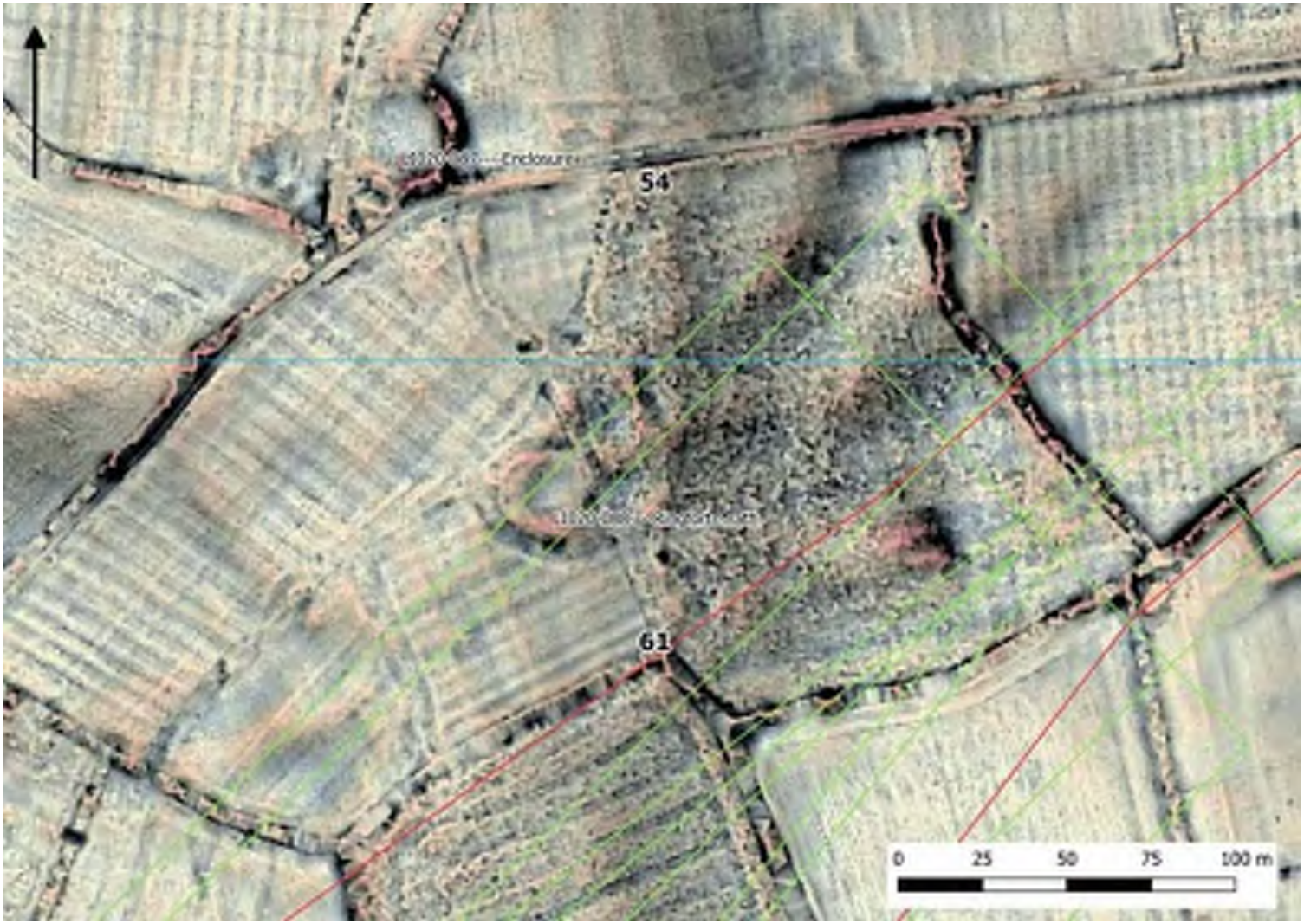
Grid 61



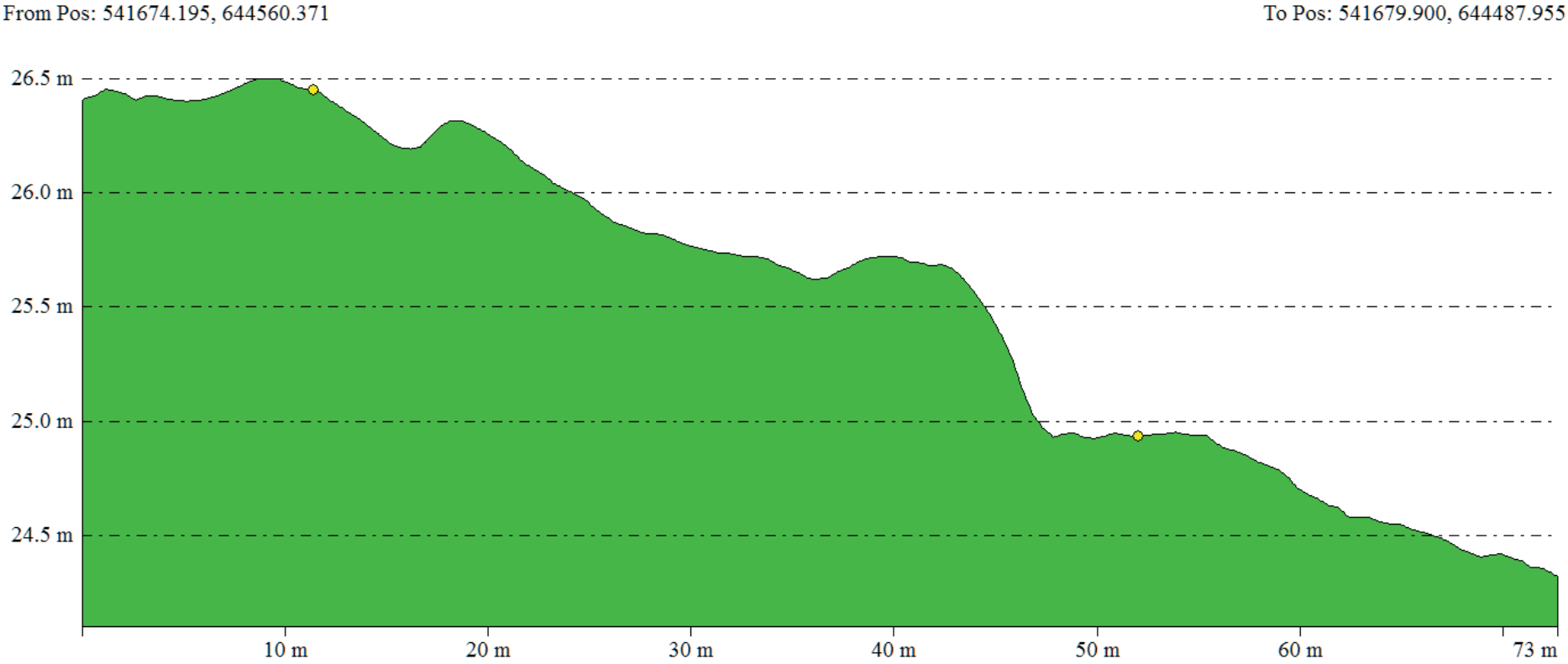
LI020-088 (AH117). Truncated to the east and possibly quarried in the centre. Broad external fosse, 6.2 m across preserved to SW. Internal diameter c. 21 m. Scheme orthophotography.



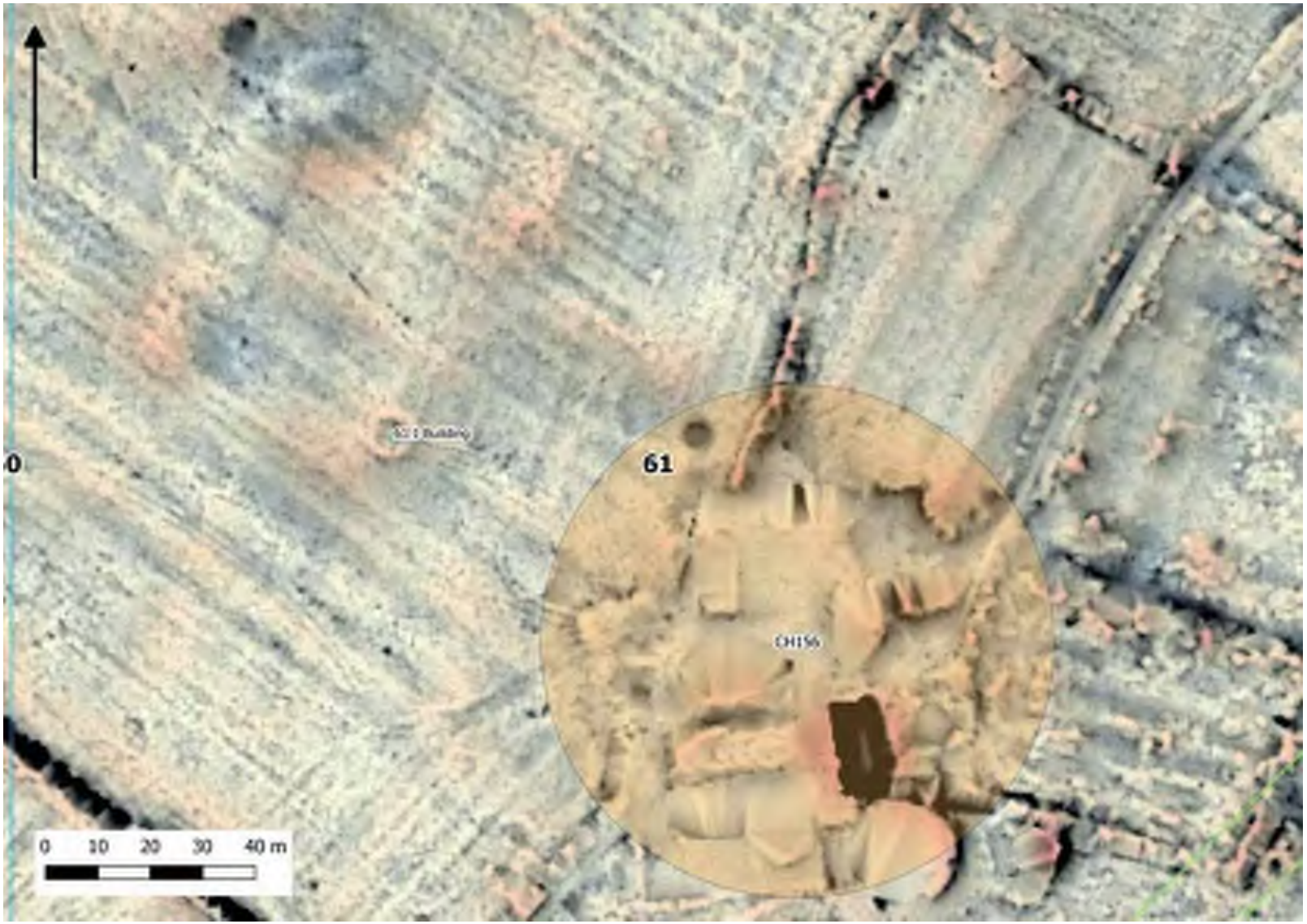
LI020-088 (AH117). Truncated to the east and possibly quarried in the centre. Broad external fosse, 6.2 m across preserved to SW. Internal diameter c. 21 m.



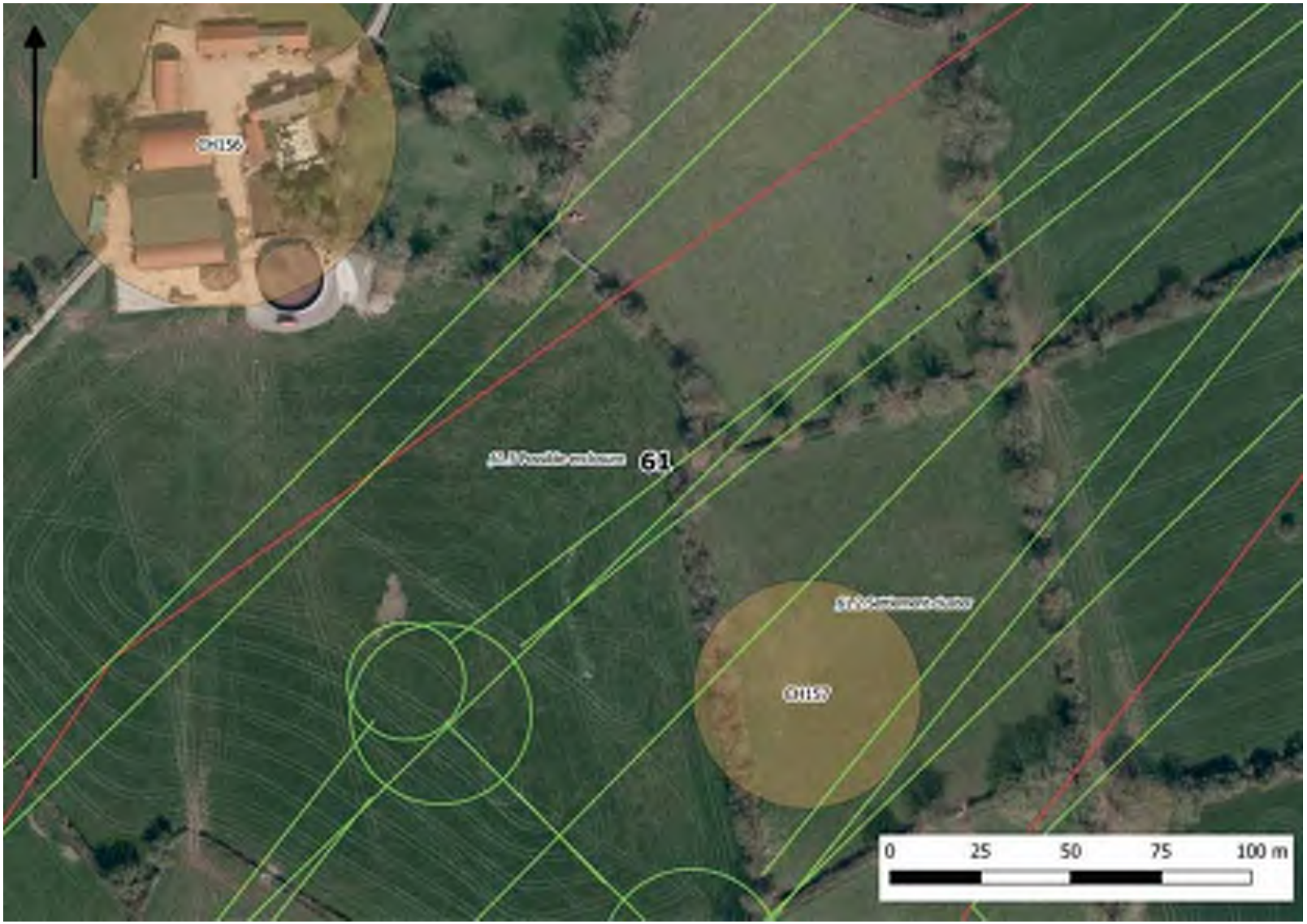
LI020-088 (AH117). Truncated to the east and possibly quarried in the centre. Broad external fosse, 6.2 m across preserved to SW. Internal diameter c. 21 m. LRM over SVF image.



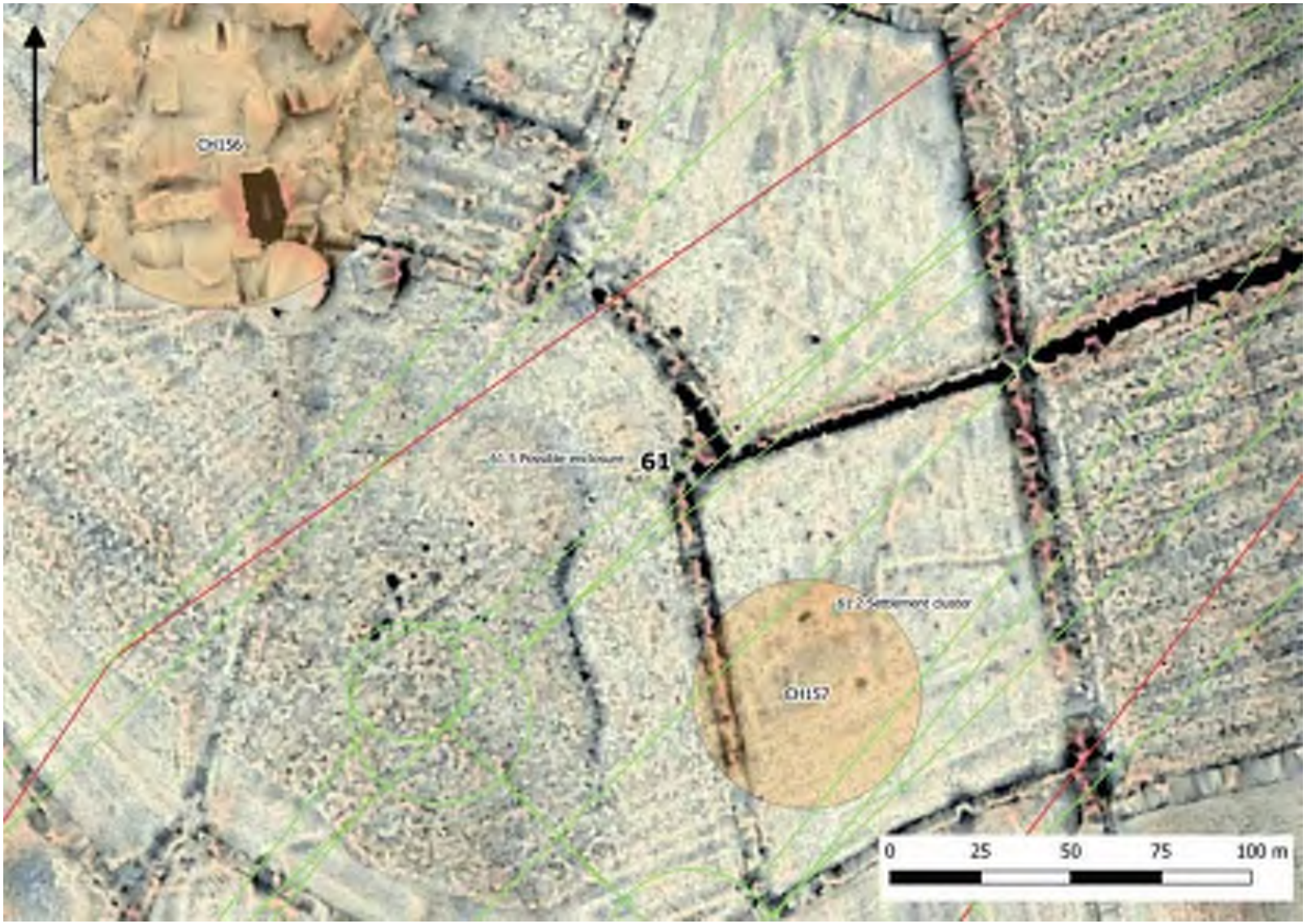
LI020-088 (AH117). N-S profile of enclosure.



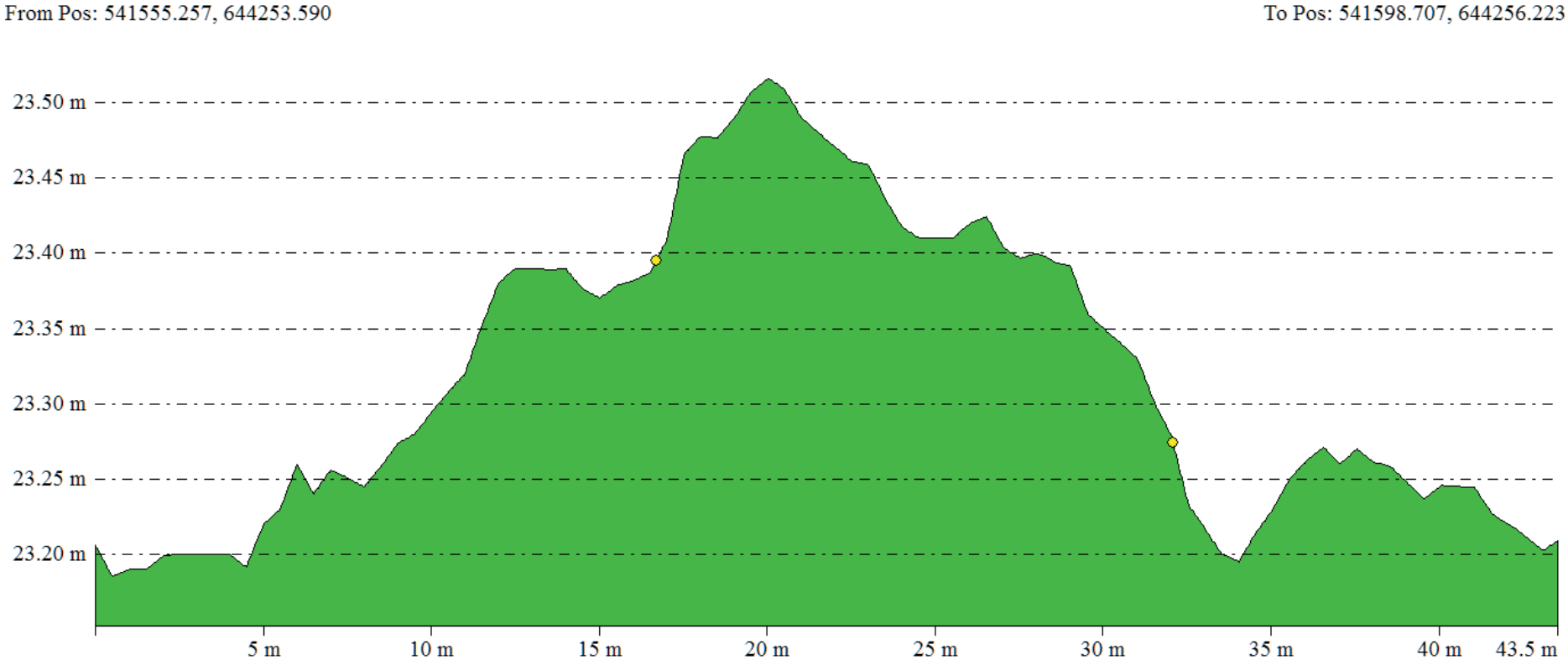
Feature 61.1. Raised, circular area, 8 m diameter. Possible windmill stump. LRM over SVF image.



Feature 61.2. Possible farmstead. Rectangular building platform with associated field systems to NE. 71 x 48 m. Scheme orthophotography

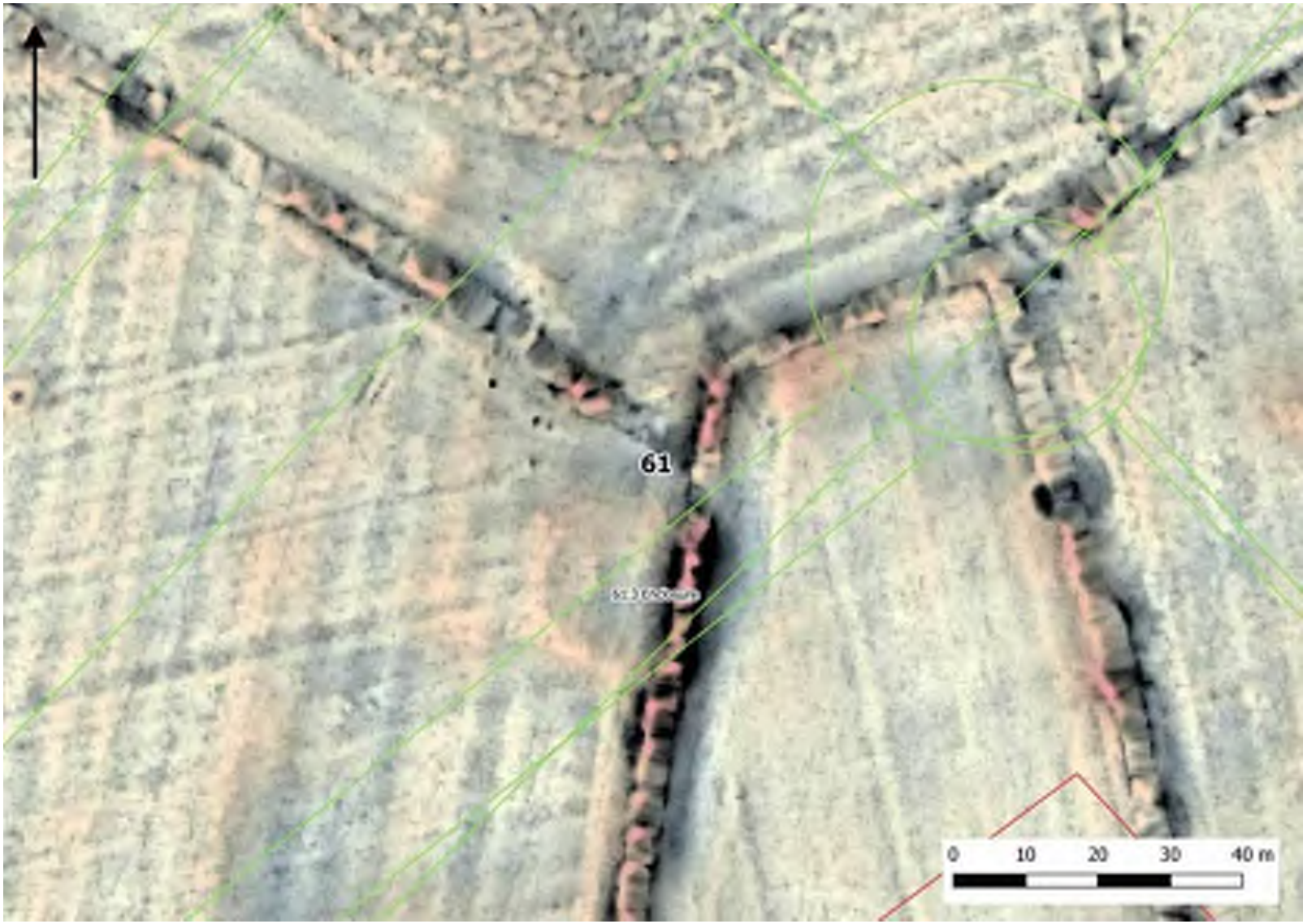


Feature 61.2. Possible farmstead. Rectangular building platform with associated field systems to NE. 71 x 48 m. LRM over SVF image.

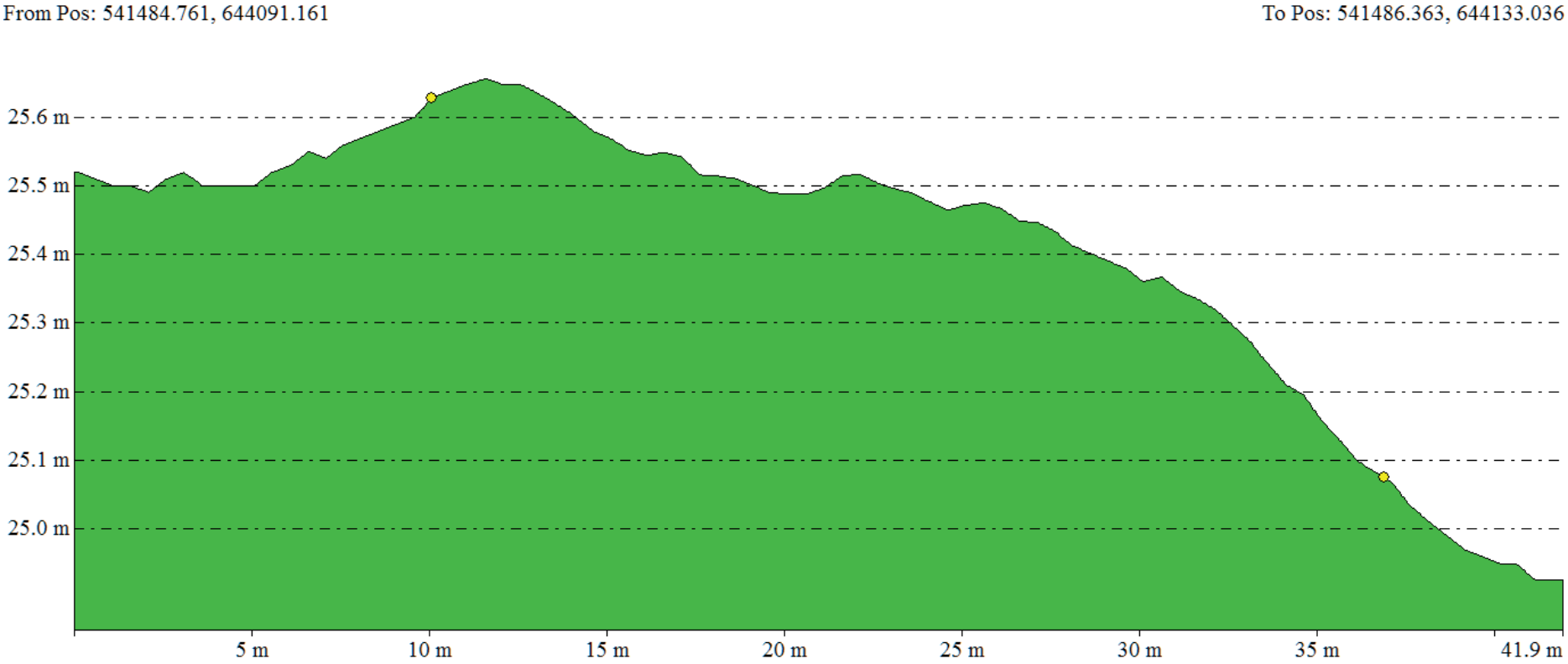


Feature 61.2. West-East profile across feature.

Feature 61.3. Curvilinear bank, probably SW portion of ringfort. Approx. diameter 21.4 m. Scheme orthophotography.



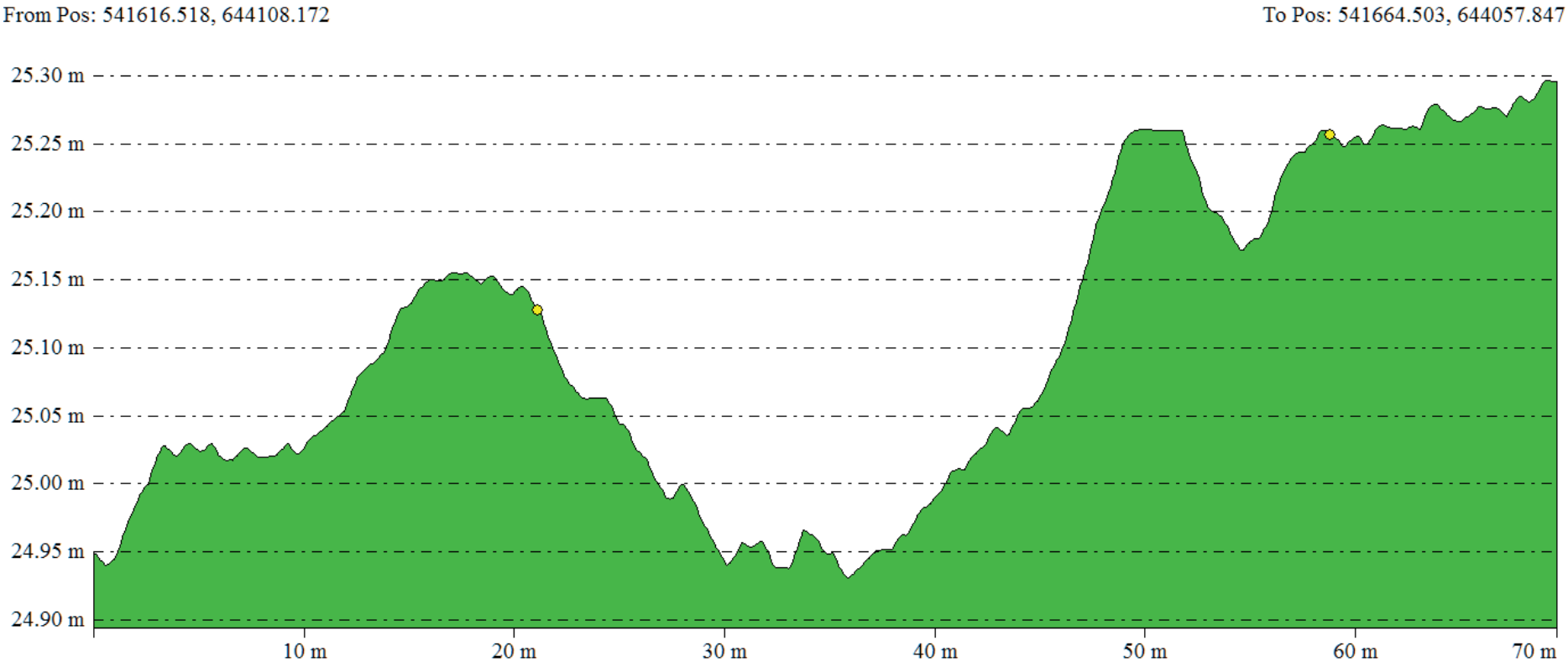
Feature 61.3. Curvilinear bank, probably SW portion of ringfort. Approx. diameter 21.4 m. LRM over SVF image.



Feature 61.3. S-N profile across enclosure.

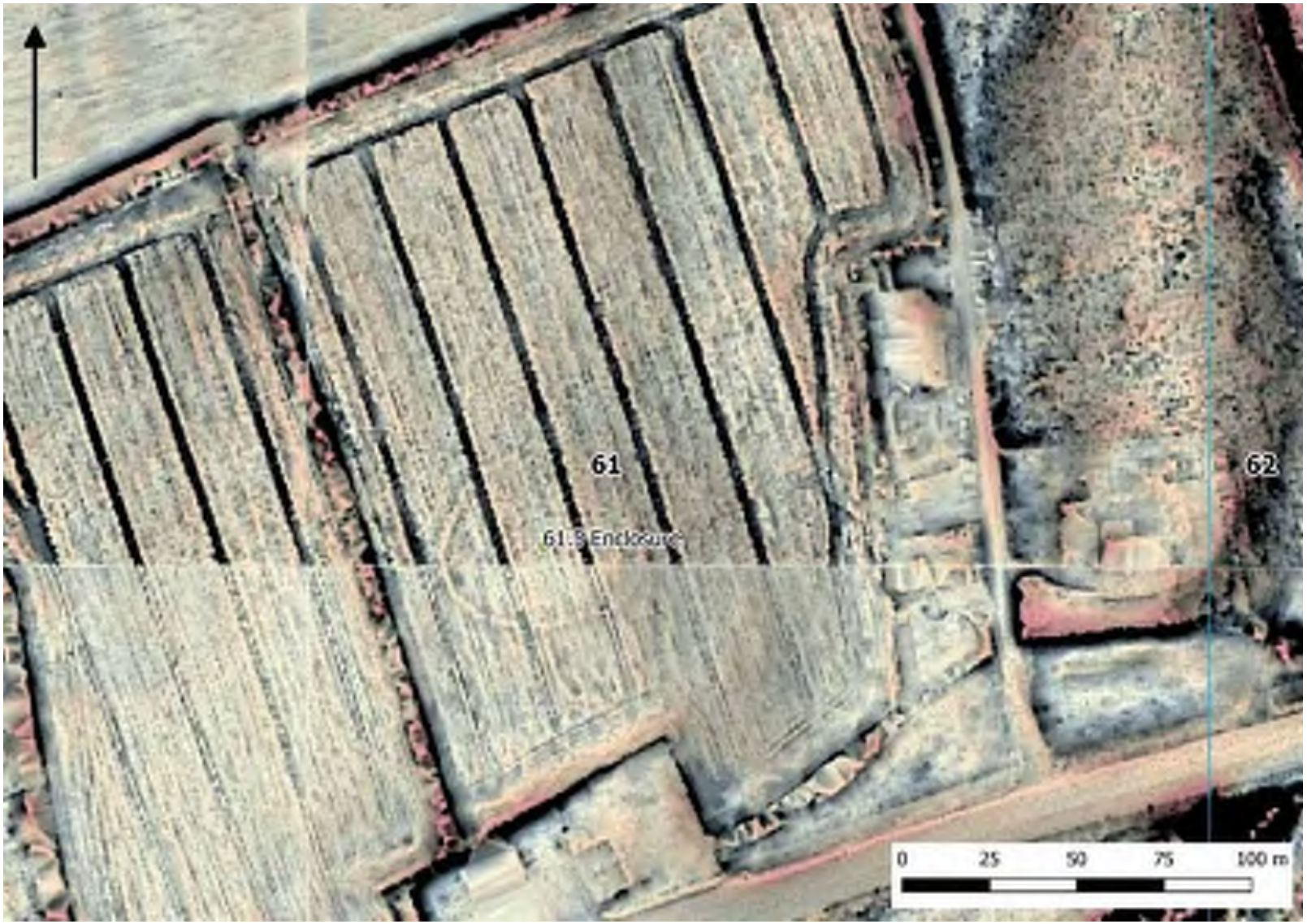
Feature 61.4. Oval enclosure, 31.8 x 24.8 m. Somewhat irregular - possible quarry. Scheme orthophotography.

Feature 61.4. Oval enclosure, 31.8 x 24.8 m. Somewhat irregular - possible quarry. LRM over SVF image.



Feature 61.4. NW-SE profile of enclosure.

Feature 61.5. Roughly plectrum-shaped enclosure defined by slight bank. Visible as crop-mark in AP. 56 m x 51 m. Scheme orthophotography.

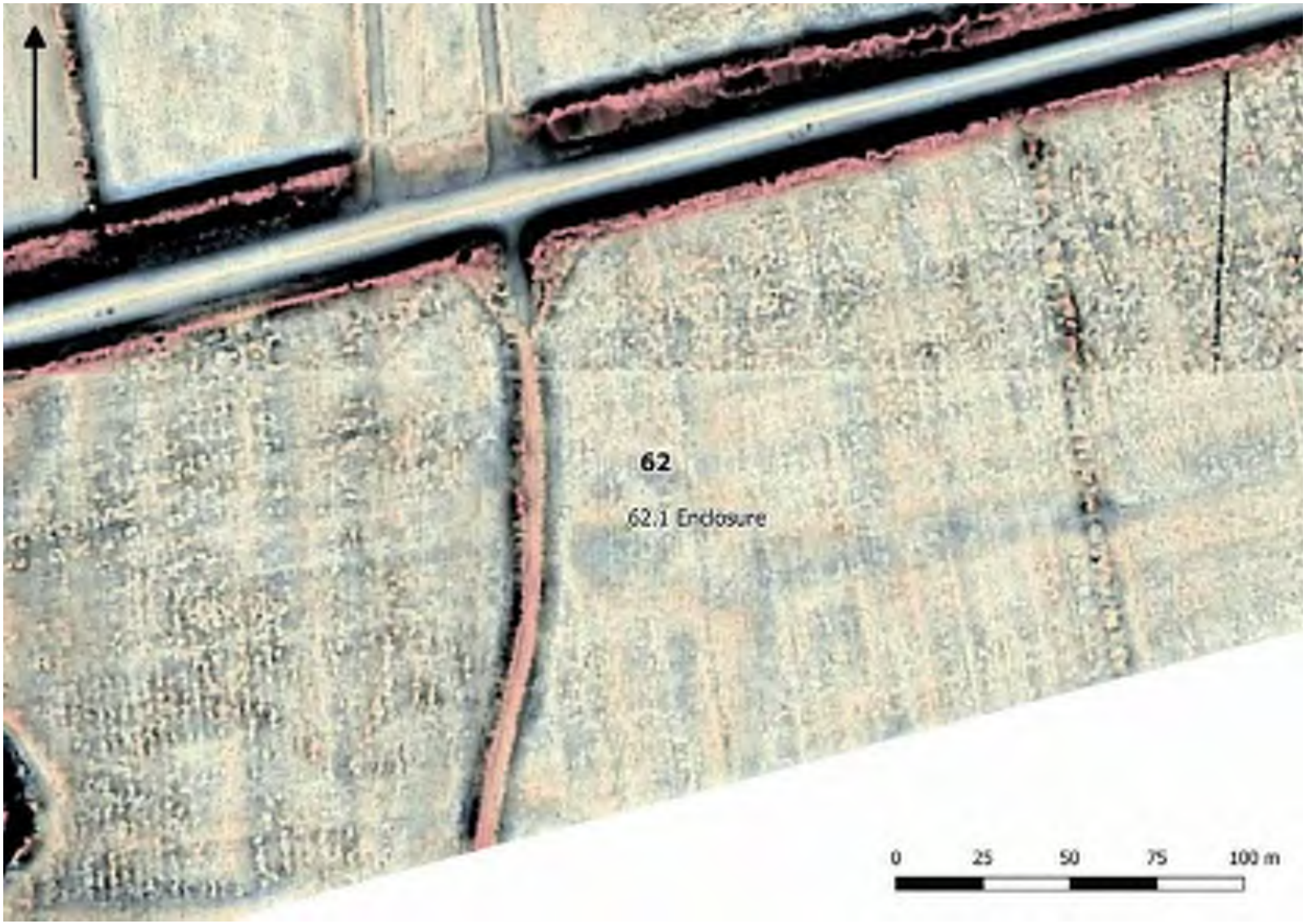


Feature 61.5. Roughly plectrum-shaped enclosure defined by slight bank. Visible as crop-mark in AP. 56 m x 51 m. LRM over SVF image.

Grid 62

LI020-126. Well-preserved ringfort with broad outer fosse, 7 m across. Possible causeway to SE and depressed centrally. Internal diameter 36 m. Scheme orthophotography.

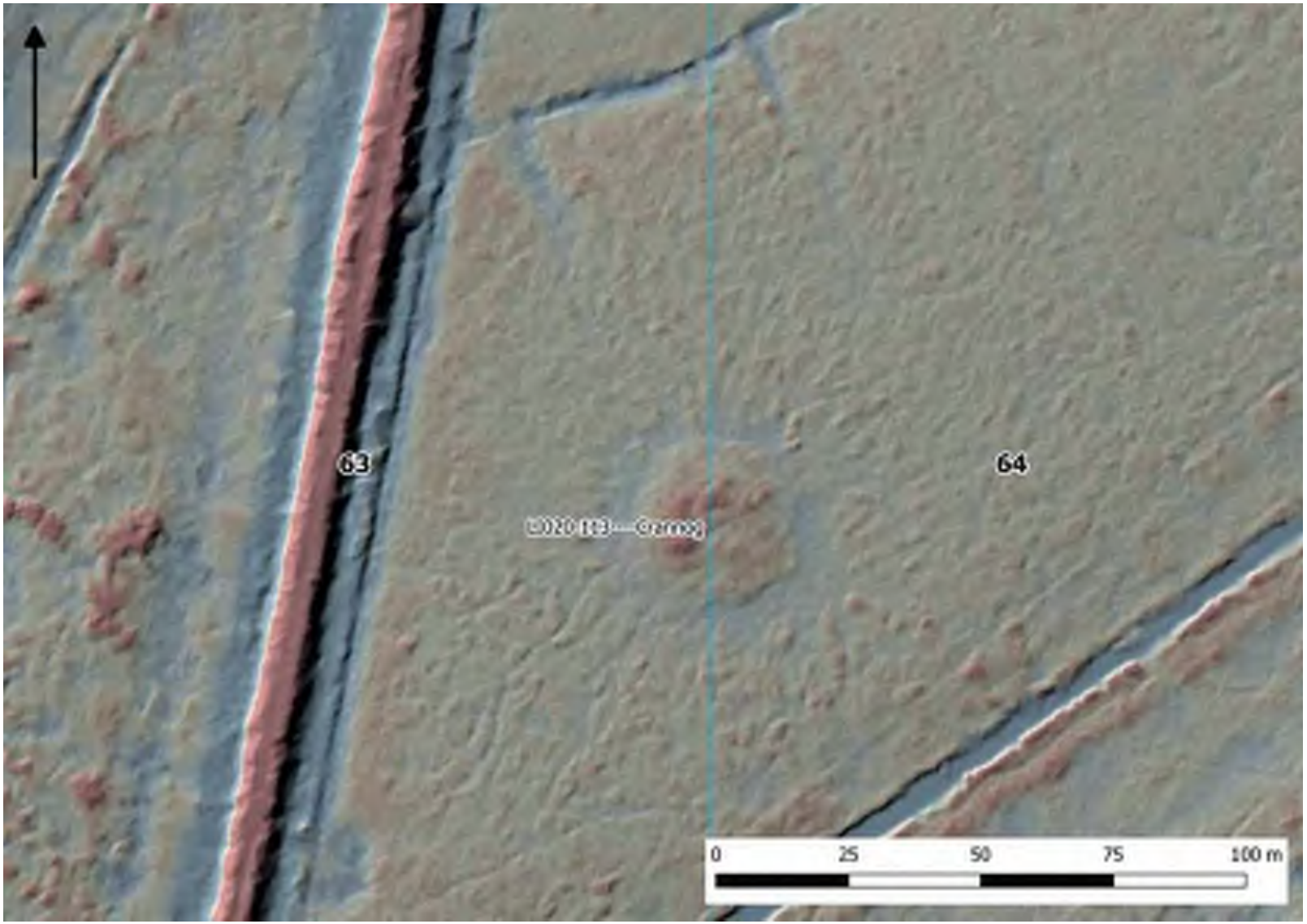
LI020-126. Well-preserved ringfort with broad outer fosse, 7 m across. Possible causeway to SE and depressed centrally. Internal diameter 36 m. LRM over 16-direction hillshade.



Feature 62.1. Small circular area defined by depression. Possible ringfort. 30 m diameter. LRM over SVF image.

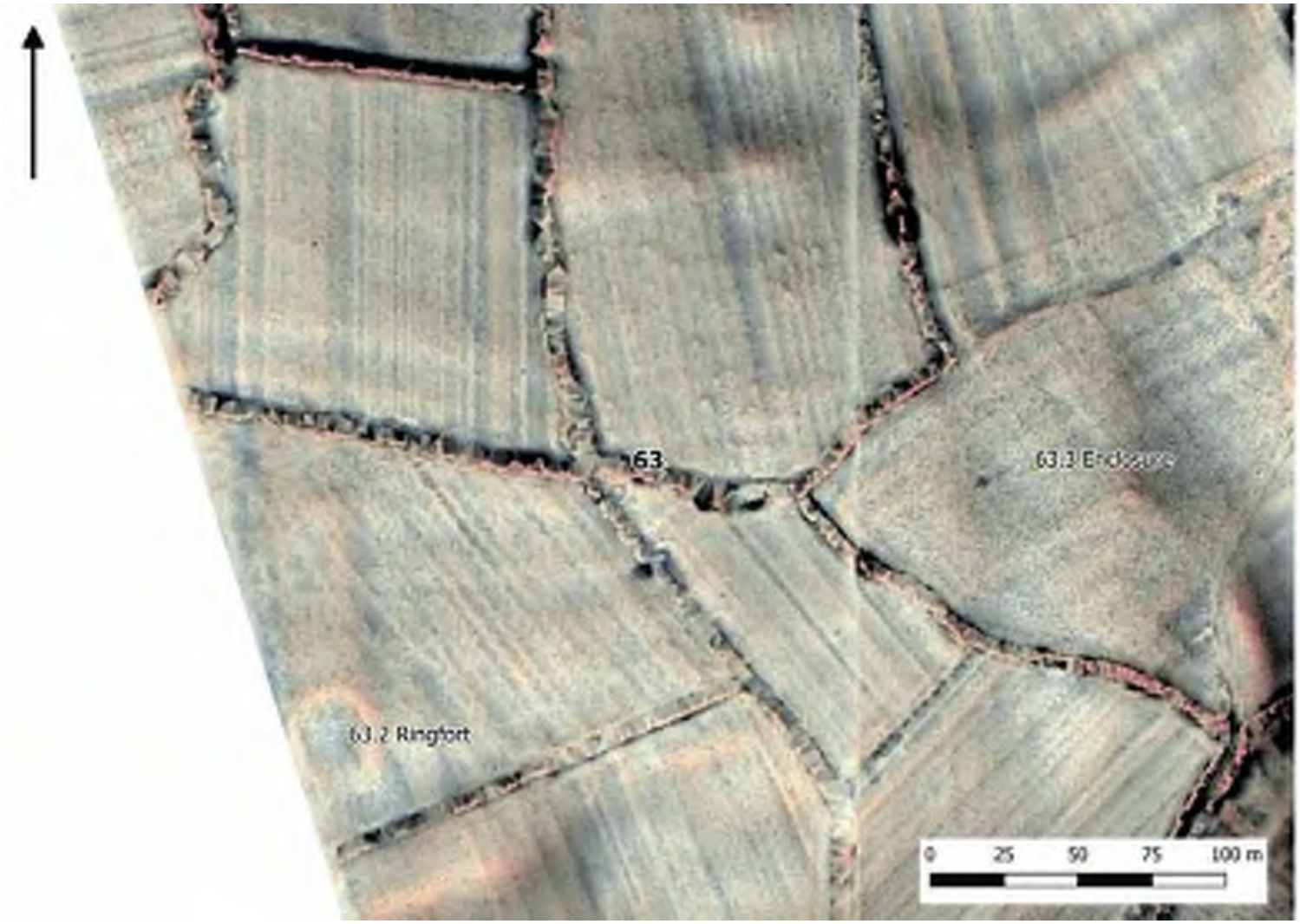
Grid 63

LI020-113 (AH95). Circular platform surrounded by slight ditch. 29 m diameter. Possible causeway to NE. Scheme orthophotography.



LI020-113 (AH95). Circular platform surrounded by slight ditch. 29 m diameter. Possible causeway to NE. LRM over 16-direction hillshade.

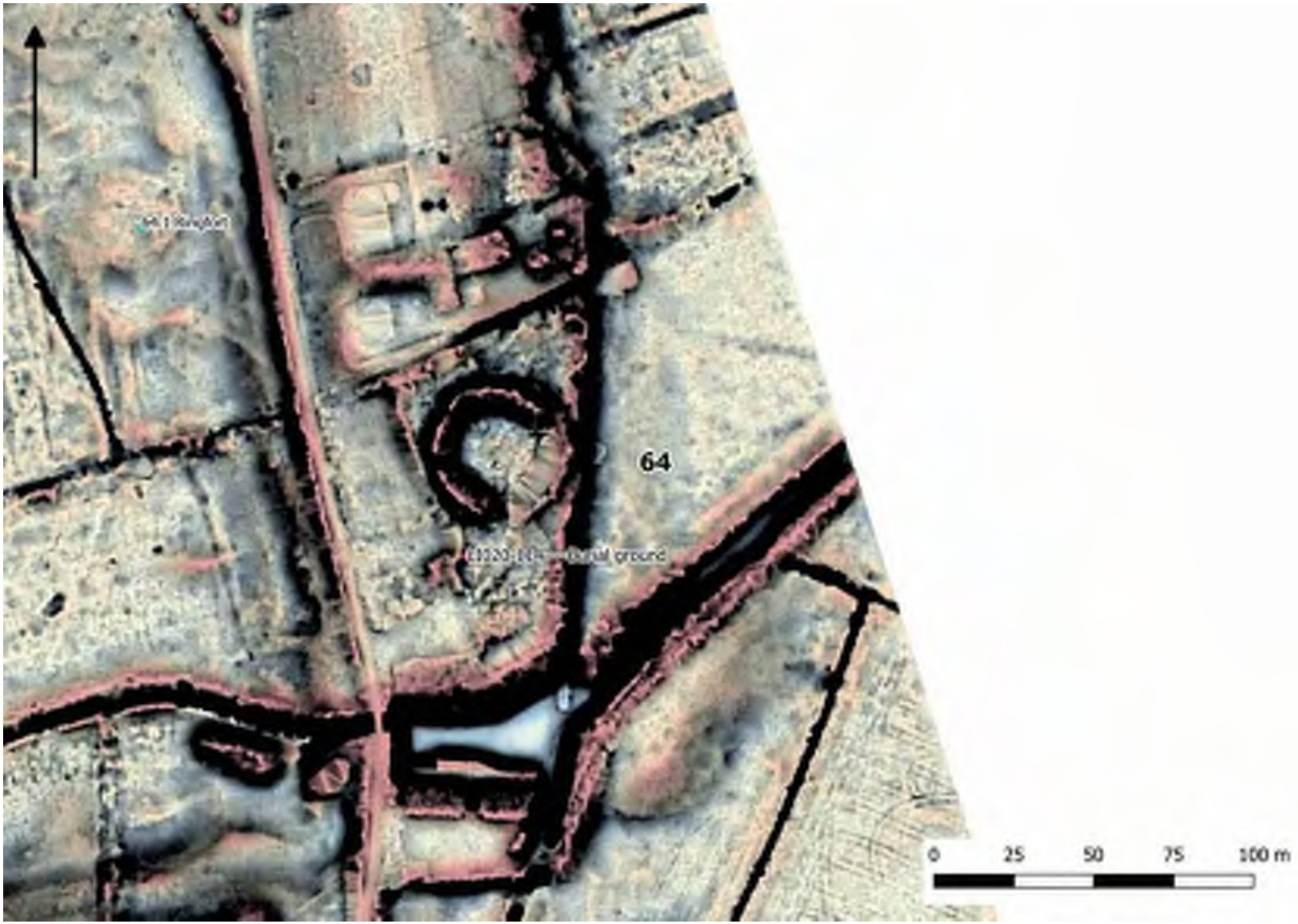
Feature 63.1. Possible trapezoidal enclosure, truncated to south. 50 m NE-SW; truncation to south. Projected NW-SE measurement 49 m. LRM over SVF image.



Feature 63.2. Small ringfort, diameter 27 m.
Feature 63.3. Very low profile possible enclosure defined a shallow circular depression. 44 m diameter. LRM over SVF image.

Grid 64

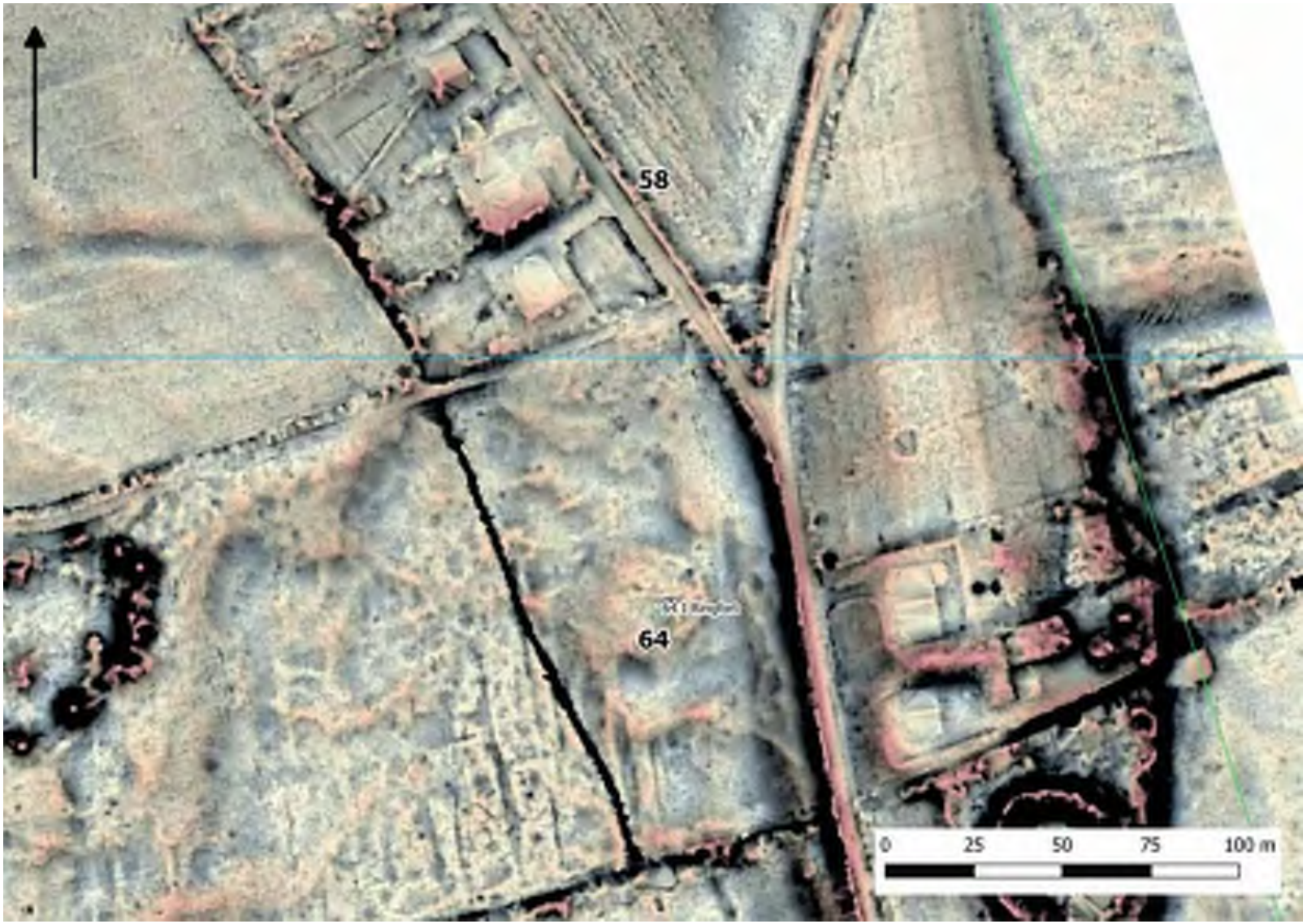
LI020-114 (AH94). No visible trace remains. Scheme orthophotography.



LI020-114 (AH94). No visible trace remains. LRM over SVF image.

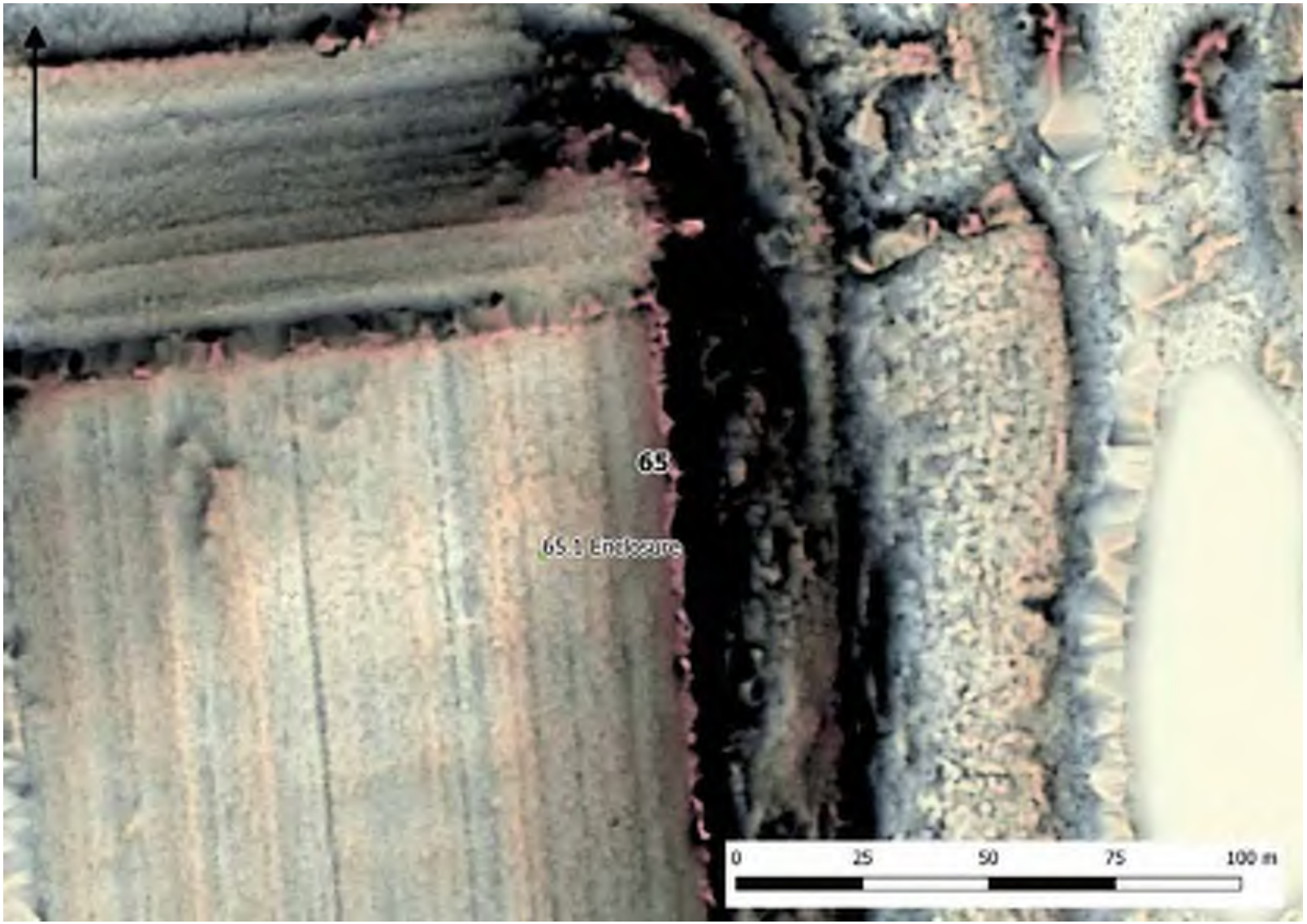
LI020-156 (AH110). Appears to have been incorporated into foundation of large, incomplete house. Possibly removed. Scheme orthophotography.

LI020-156 (AH110). Appears to have been incorporated into foundation of large, incomplete house. Possibly removed. LRM over 16-direction hillshade.



Feature 64.1. Circular raised platform, 29 m diameter. Probably a ringfort. LRM over SVF image.

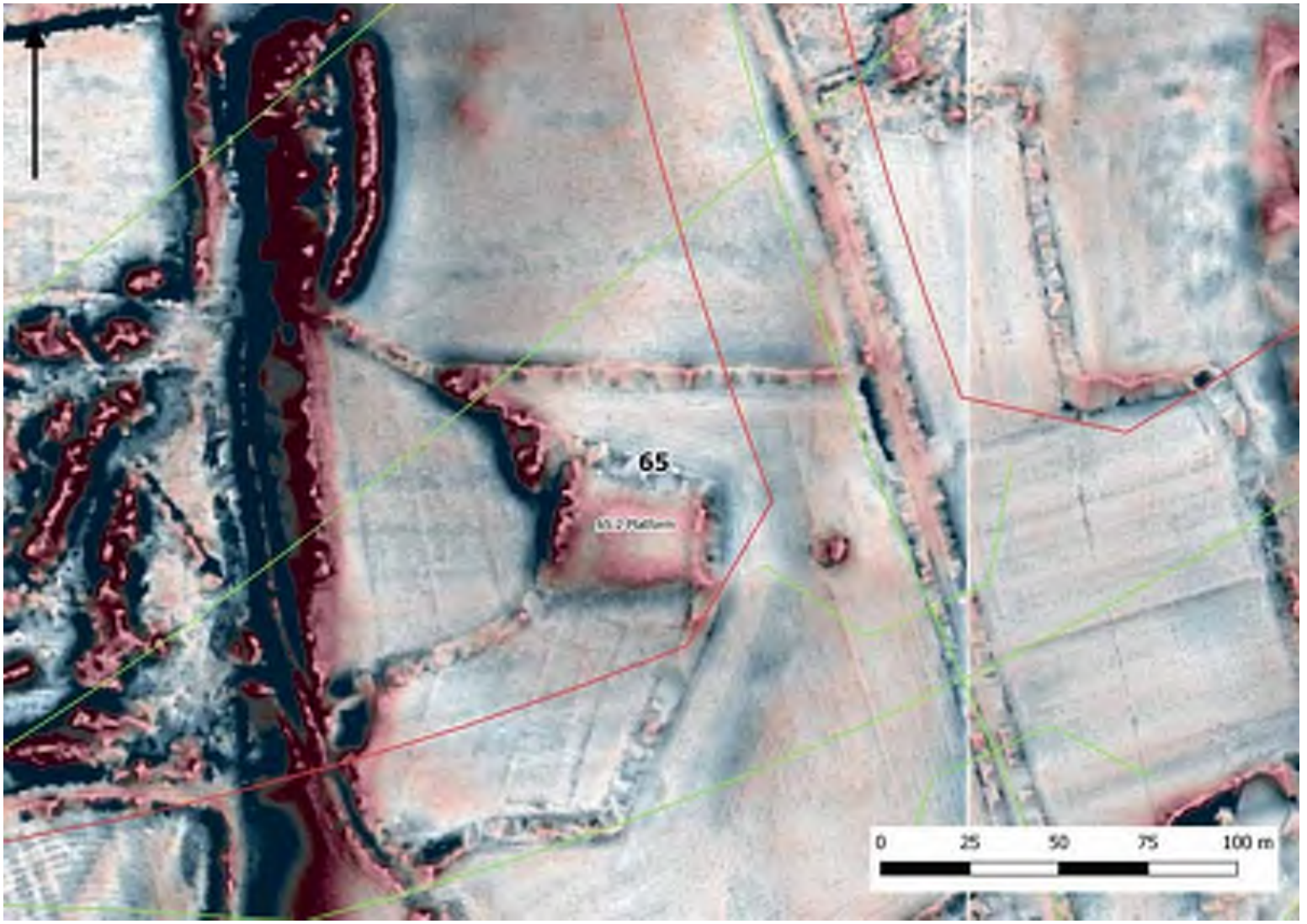
Grid 65



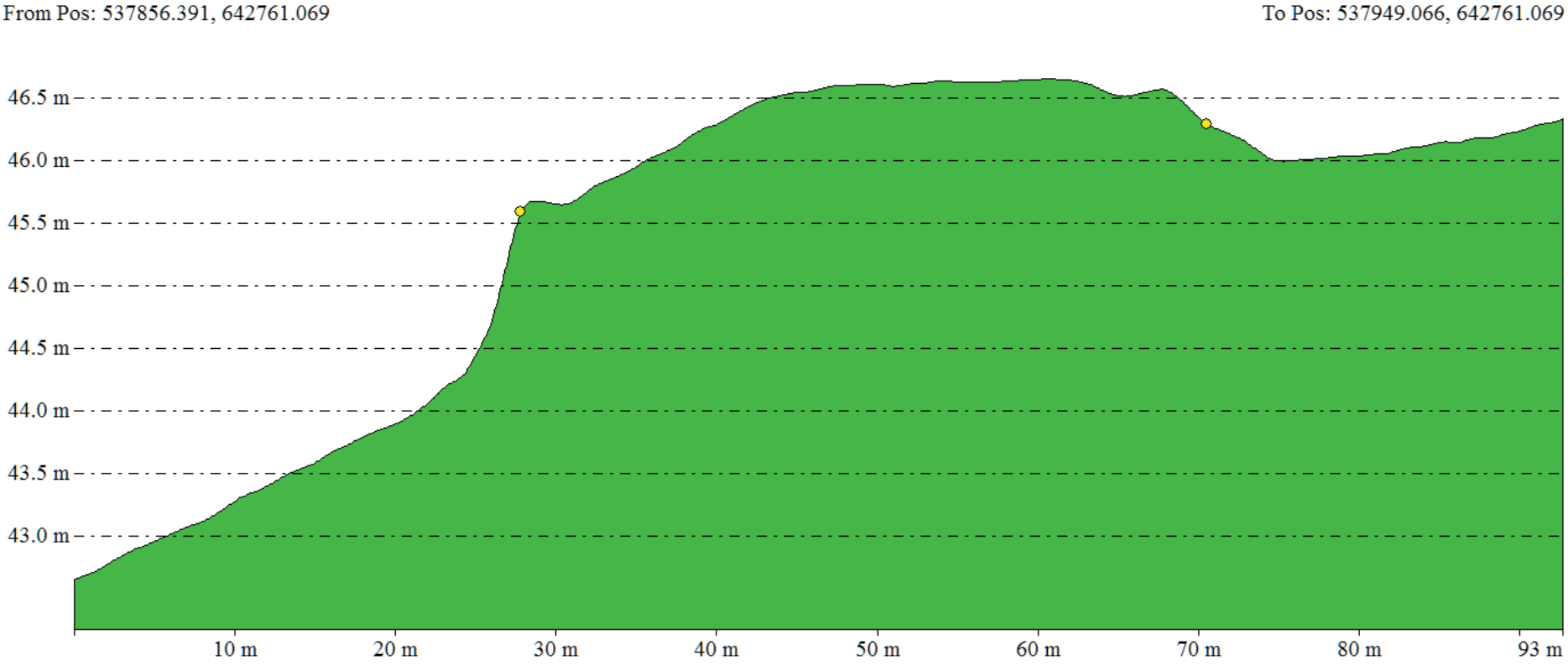
Feature 65.1. Low profile circular enclosure on low rise. 32 x 28 m diameter. LRM over SVF image.

Feature 65.2. Trapezoidal platform, 43 x 31 m; 6 inch mapping suggests some complexity to field system in this area. Possibly modified natural elevation. 6-inch mapping.

Feature 65.2. Trapezoidal platform, 43 x 31 m; 6 inch mapping suggests some complexity to field system in this area. Possibly modified natural elevation. Scheme orthophotography.



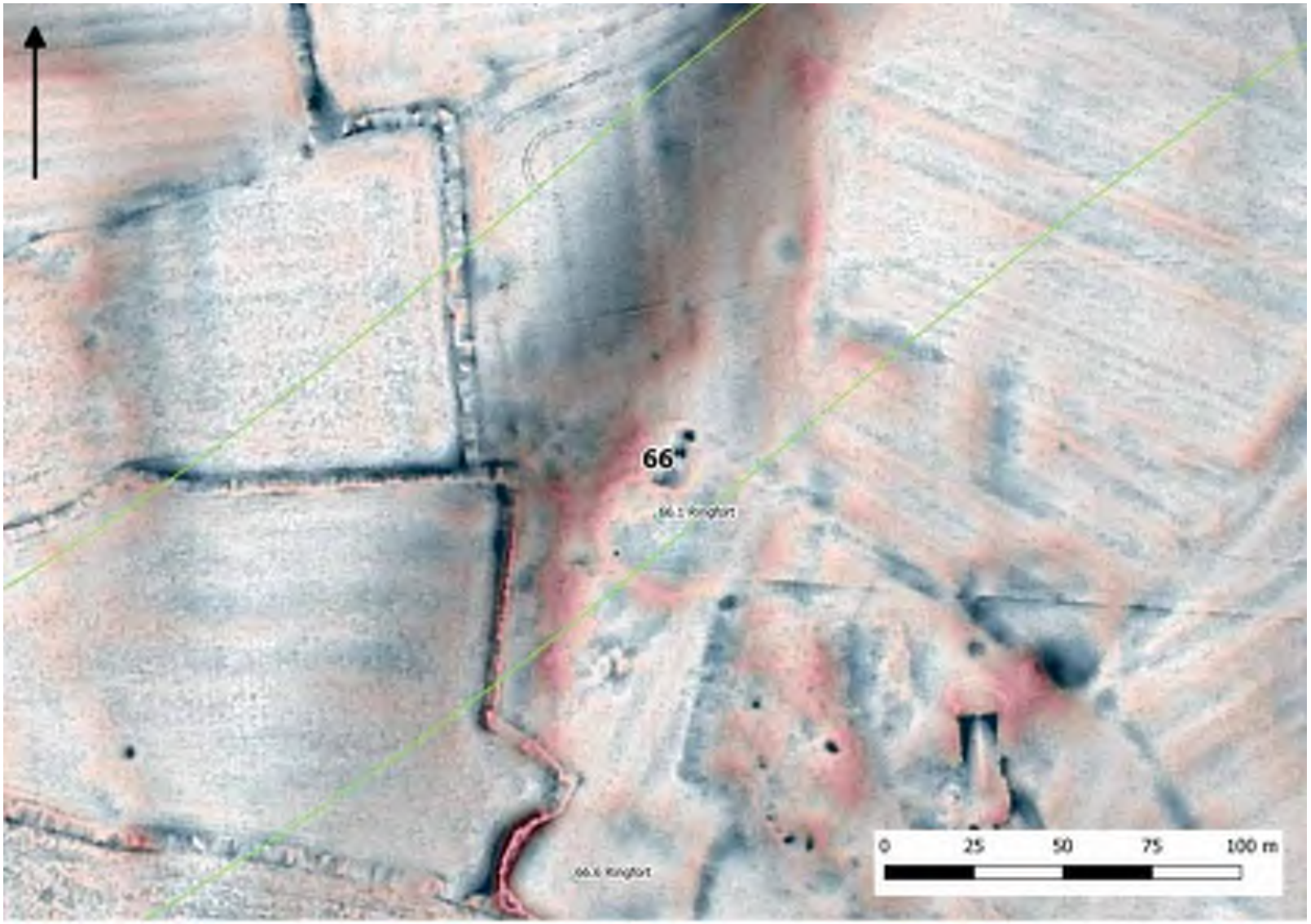
Feature 65.2. Trapezoidal platform, 43 x 31 m; 6 inch mapping suggests some complexity to field system in this area. Possibly modified natural elevation. LRM over SVF image.



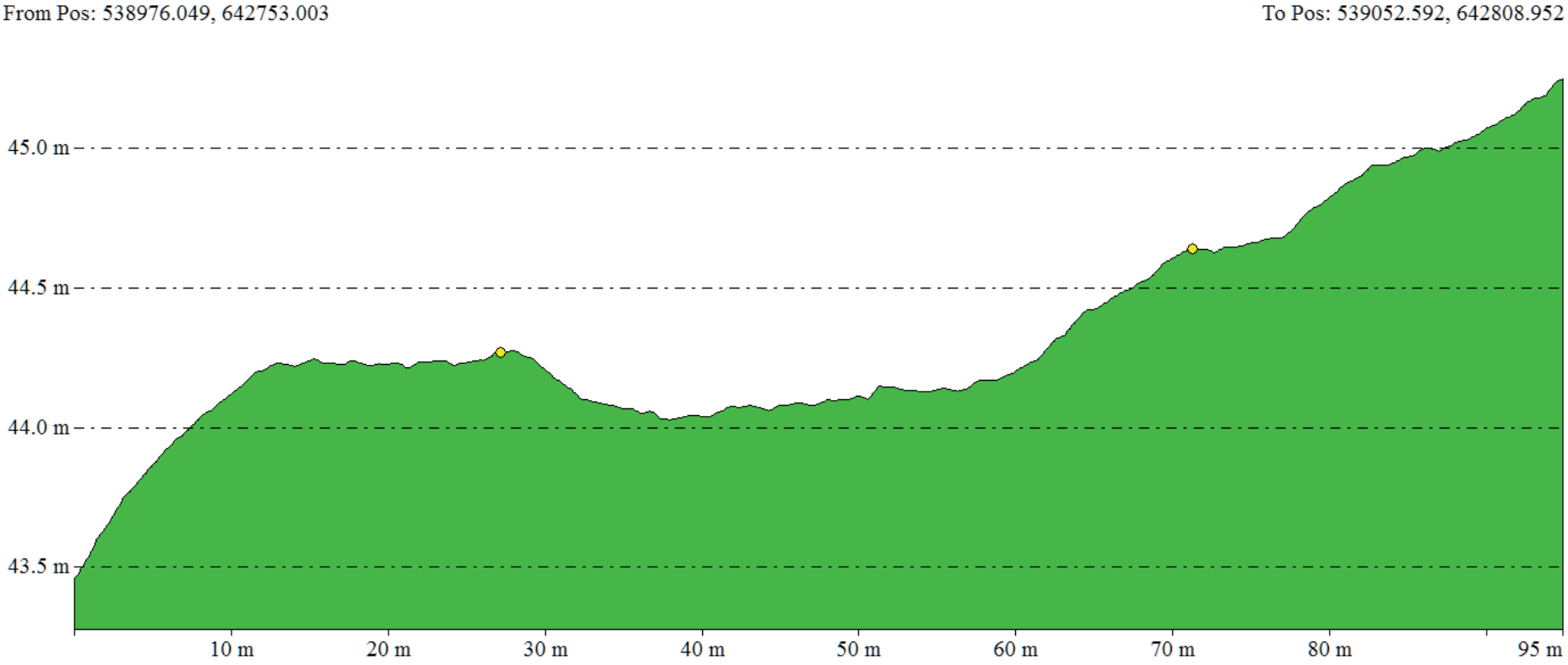
Feature 65.2. W-E profile of feature.

Grid 66

Feature 66.1. Circular enclosure, quarried in the north and ploughed out to the NE. 32.3 m diameter. Scheme orthophotography.



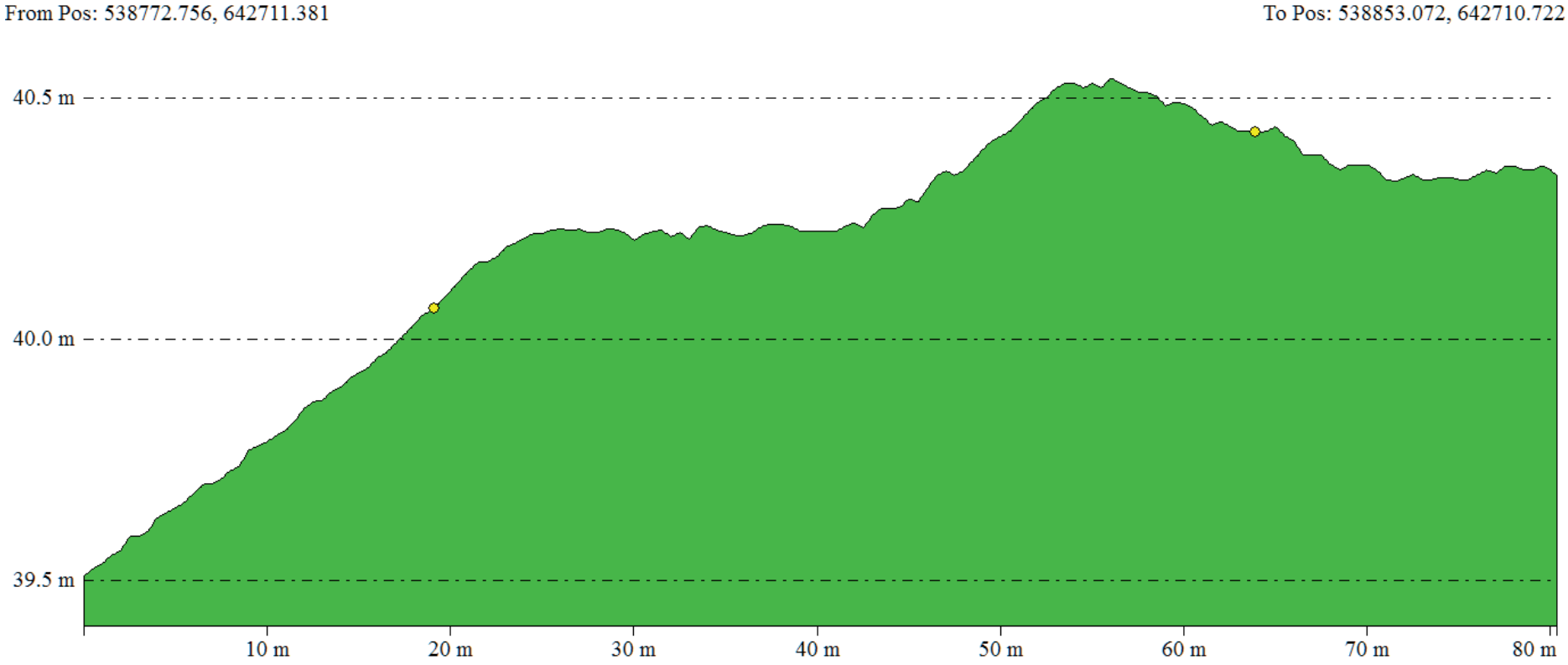
Feature 66.1. Circular enclosure, quarried in the north and ploughed out to the NE. 32.3 m diameter. LRM over SVF image.



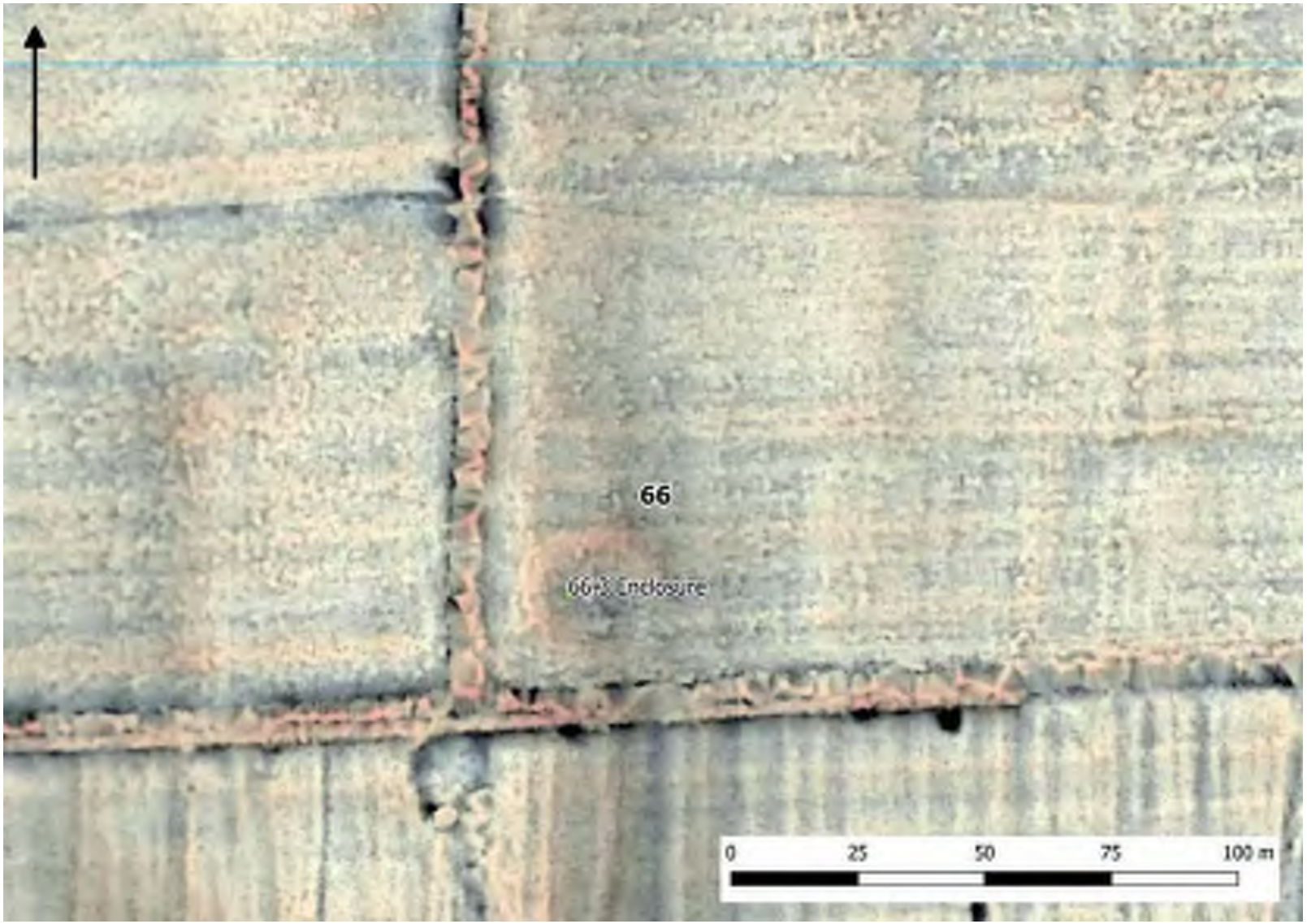
Feature 66.1. Profile SW-NE across enclosure.

Feature 66.2. Small circular enclosure, 26.1 m diameter. Probable ringfort. Scheme orthophotography.

Feature 66.2. Small circular enclosure, 26.1 m diameter. Probable ringfort. Scheme orthophotography.

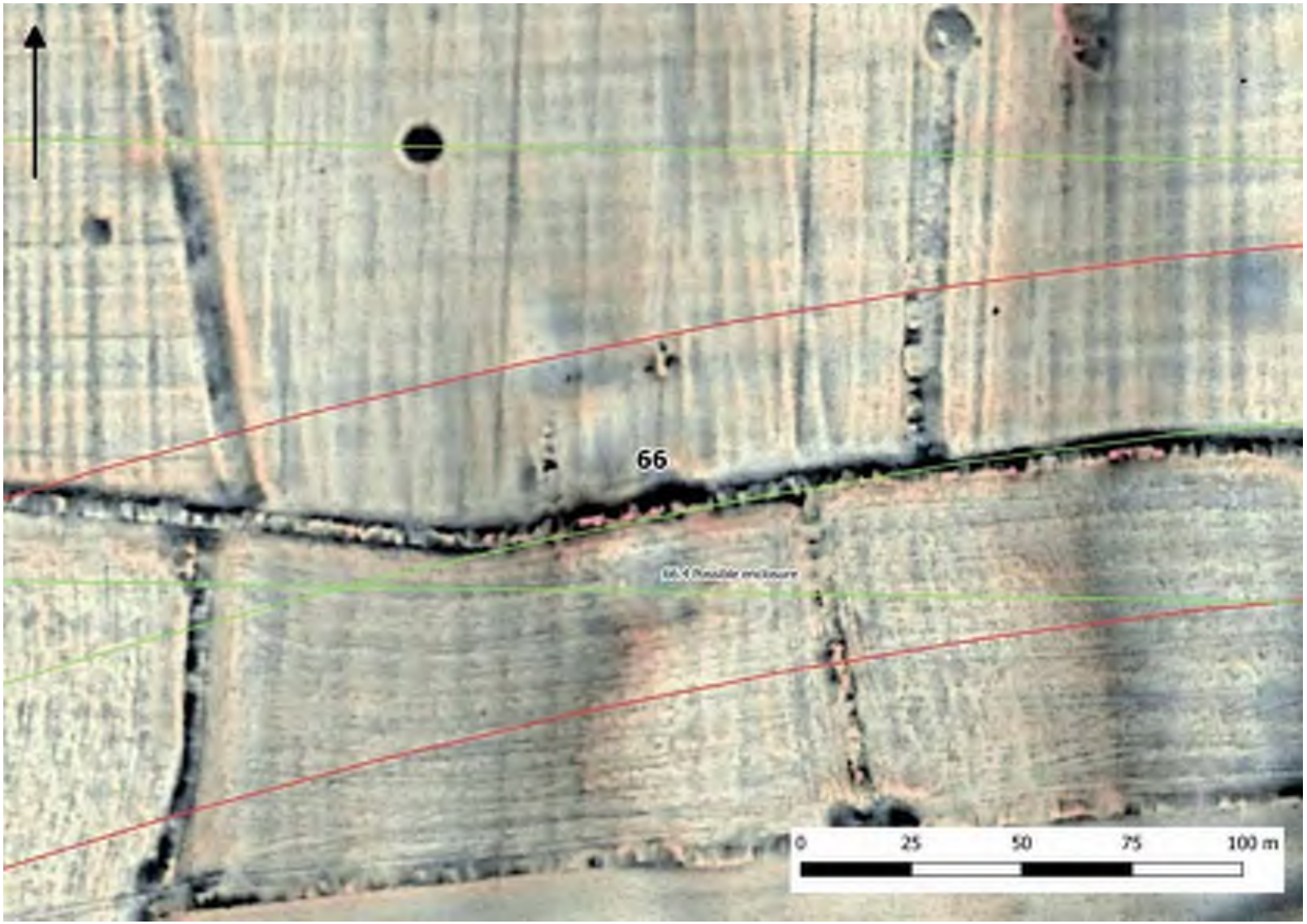


Feature 66.2. West-East profile of enclosure.

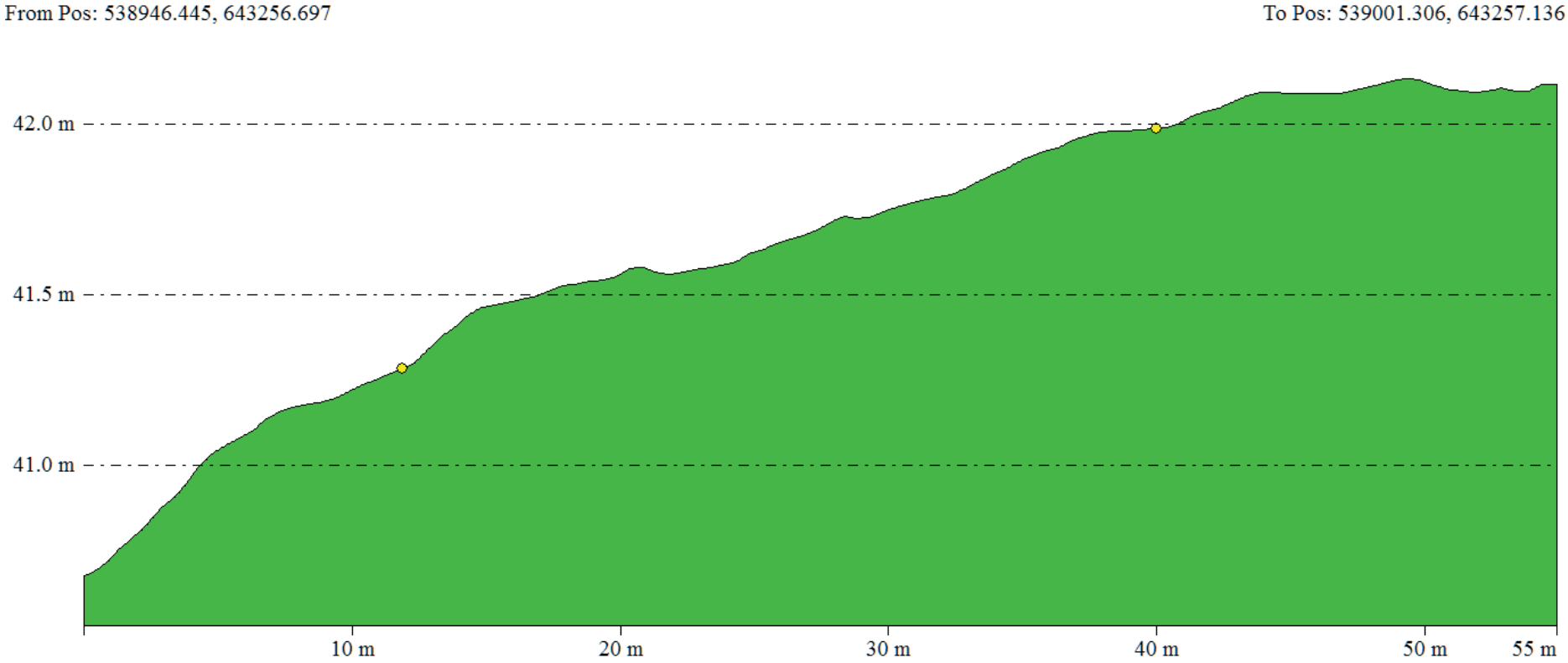


Feature 66.3. Small circular enclosure, probable ringfort, 19.4 m diameter LRM over SVF image.

Feature 66.4. Small circular depression with possible ditch to SW. Possible quarry. 19.4 m diameter. Scheme orthophotography.

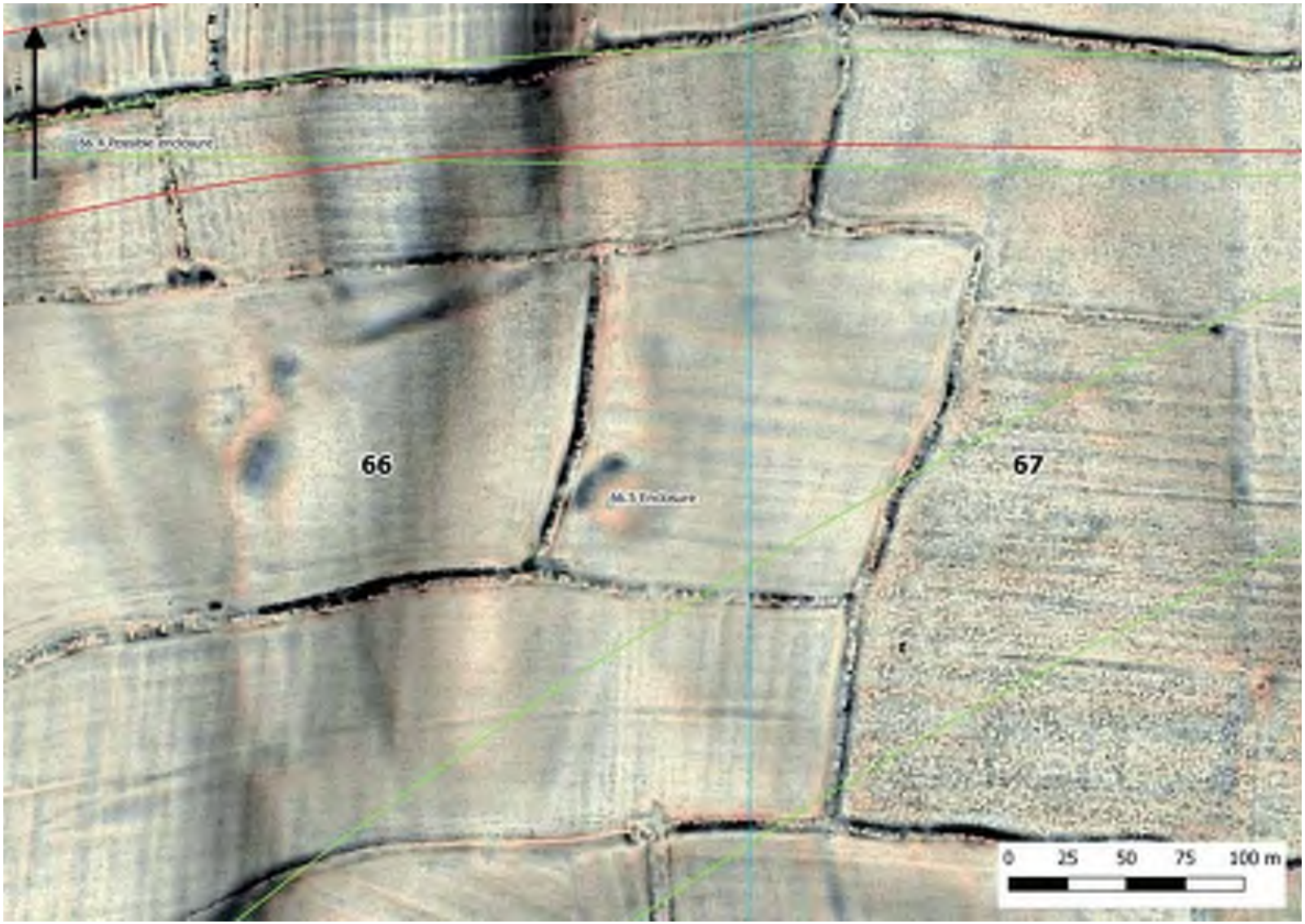


Feature 66.4. Small circular depression with possible ditch to SW. Possible quarry. 19.4 m diameter. LRM over SVF image.

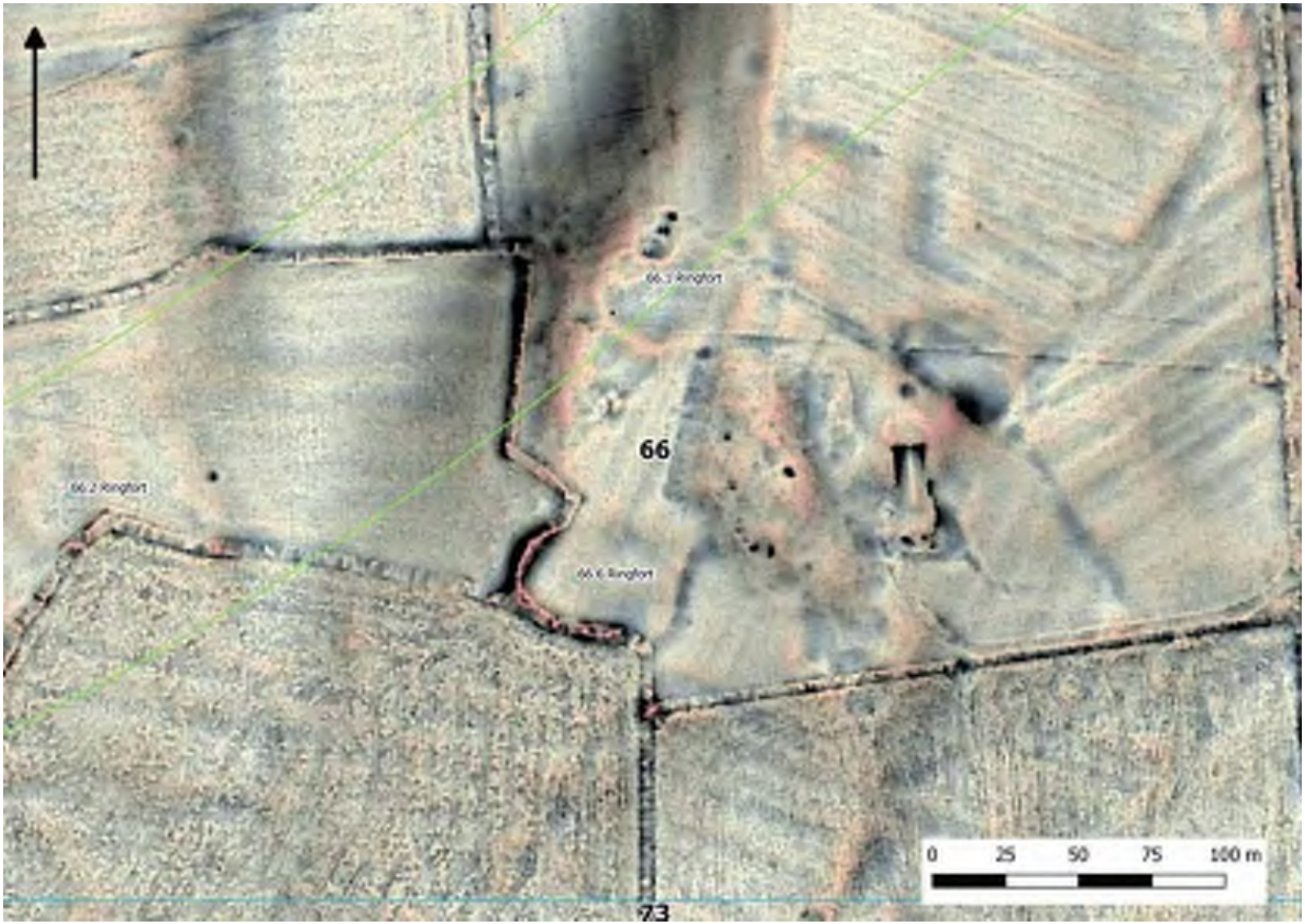


Feature 66.4. West-East profile of enclosure.

Feature 66.5. Low mound with ditch to northwest. Visible in orthophotography. 29 m diameter. Possibly natural mound with quarry. Scheme orthophotography.



Feature 66.5. Low mound with ditch to northwest. Visible in orthophotography. 29 m diameter. Possibly natural mound with quarry. LRM over SVF.

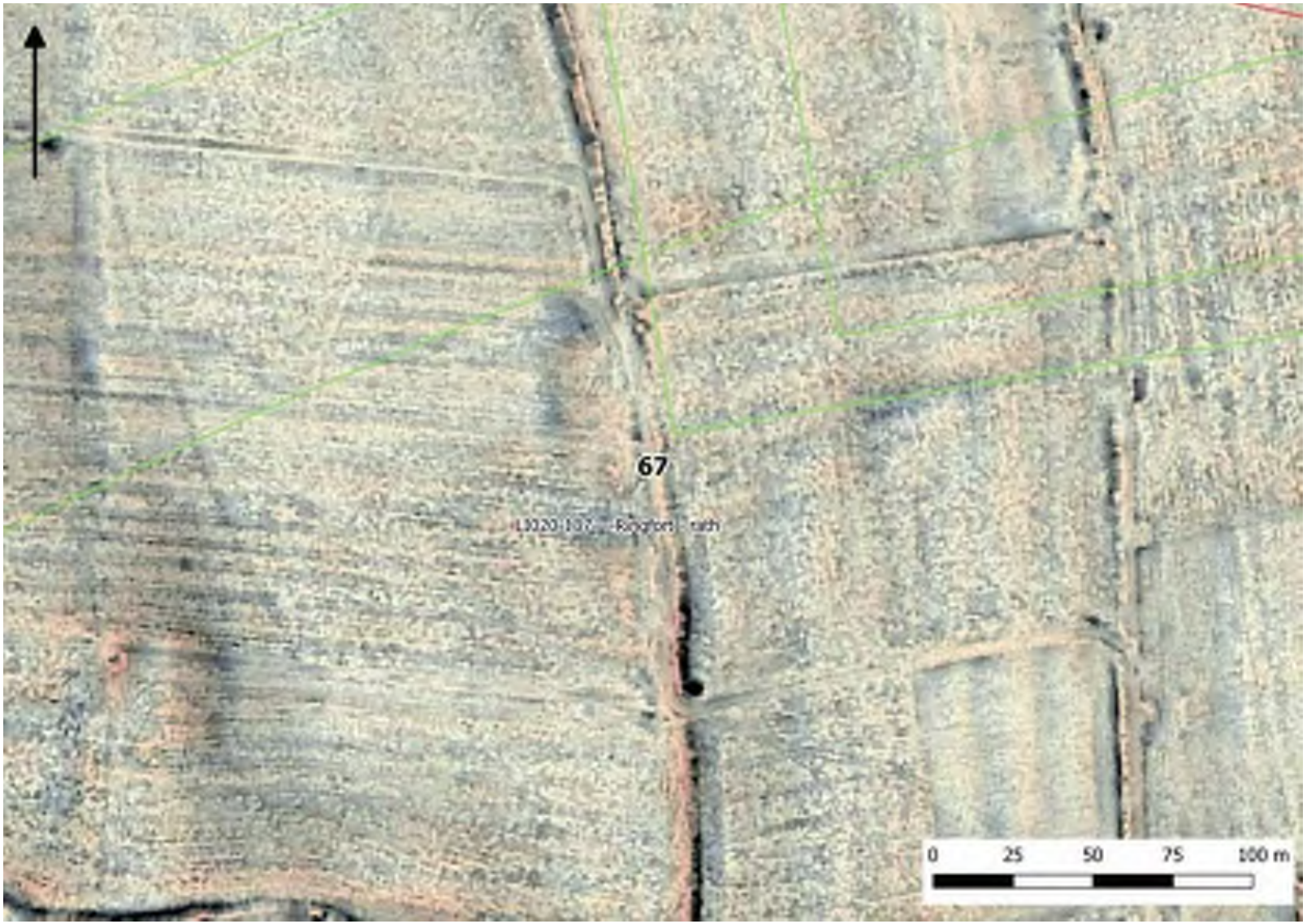


Feature 66.6. Ringfort, levelled to the east but well-preserved to the west. 46 x 30 m. LRM over SFV.

Grid 67

LI020-120 (AH116). Very denuded, 40 m diameter with external fosse. Located to NW of RMP location at ITM 539563 642702. LRM over SVF image.

LI020-137 (AH115). No visible trace of the site remains. Scheme orthophotography..



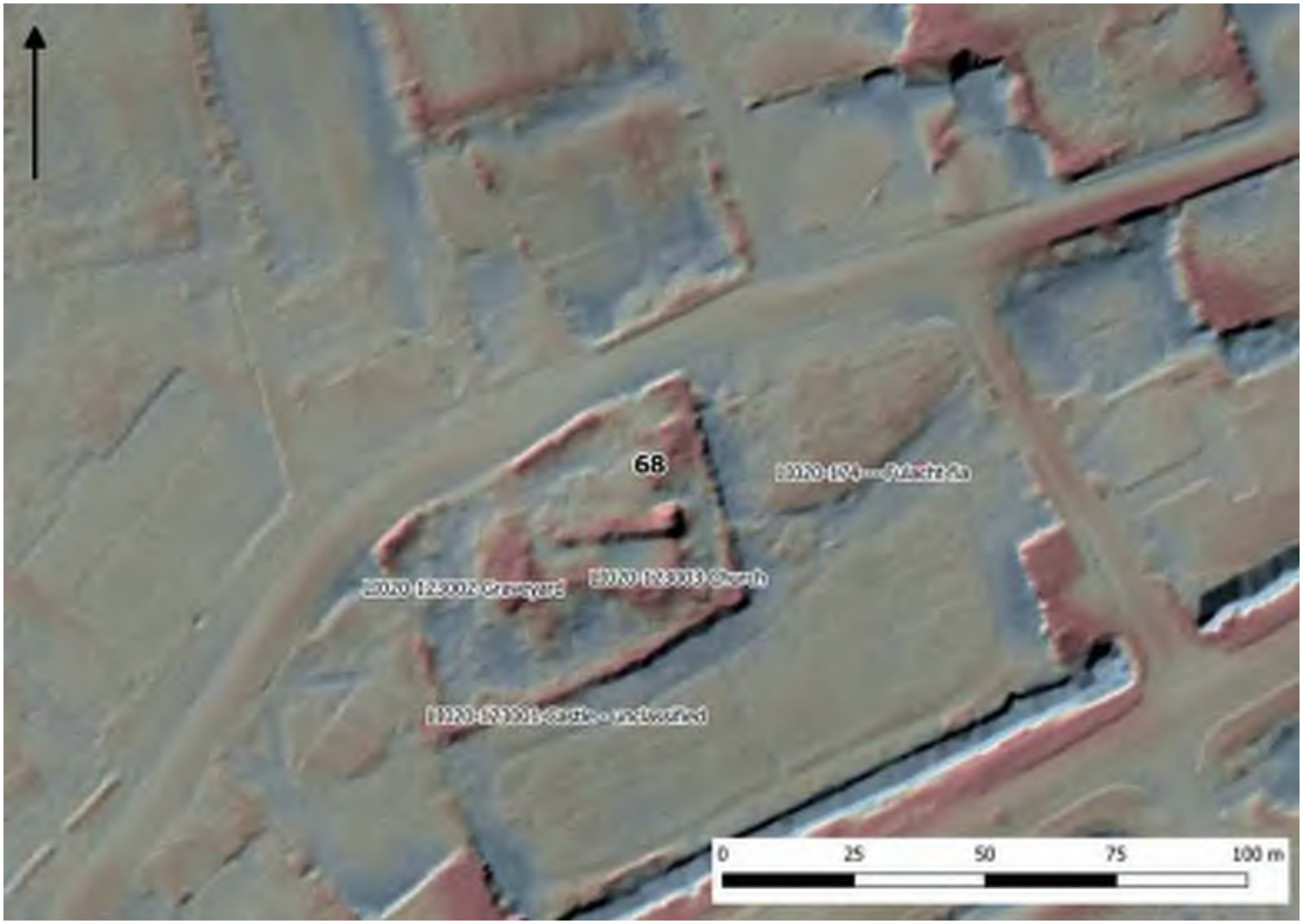
LI020-137 (AH115). No visible trace of the site remains. LRM over SVF image.

Grid 68

LI020-122. Ringfort, well-preserved under woodland to south, largely levelled to north. 31 m diameter. Scheme orthophotography.

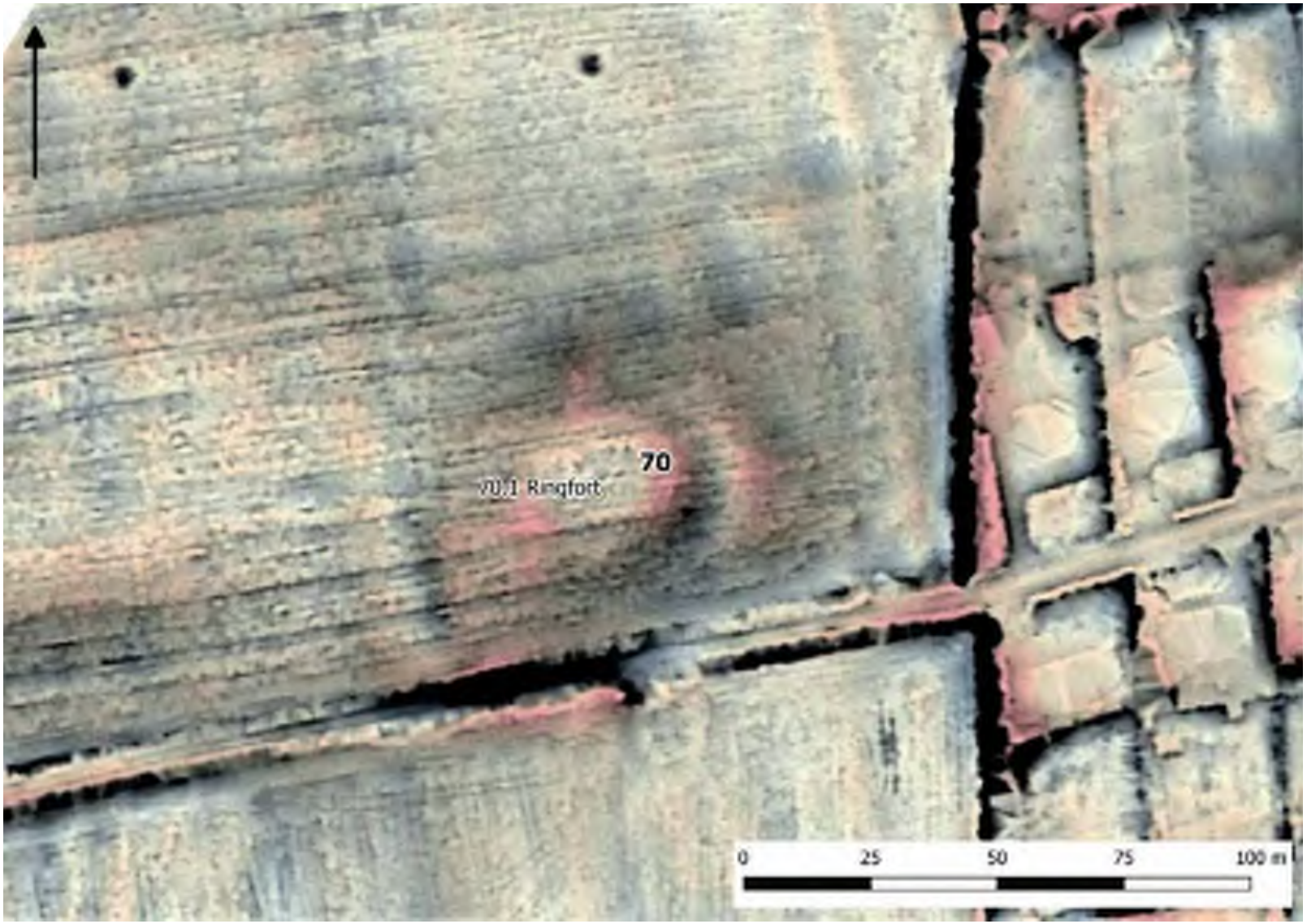
LI020-122. Ringfort, well-preserved under woodland to south, largely levelled to north. 31 m diameter. LRM over 16-direction hillshade.

LI020-123001. No obvious trace from aerial survey.
LI020-123002 and LI020-123003. Unsuitable for comment using airborne lidar.
LI020-174. No visible trace remains. Scheme orthophotography.



LI020-123001. No obvious trace from aerial survey. LRM over 16-direction hillshade.
LI020-123002 and LI020-123003. Unsuitable for comment using airborne lidar.
LI020-174. No visible trace remains.

Grid 70



Feature 70.1. Small ringfort, 24 m diameter. LRM over SVF image.

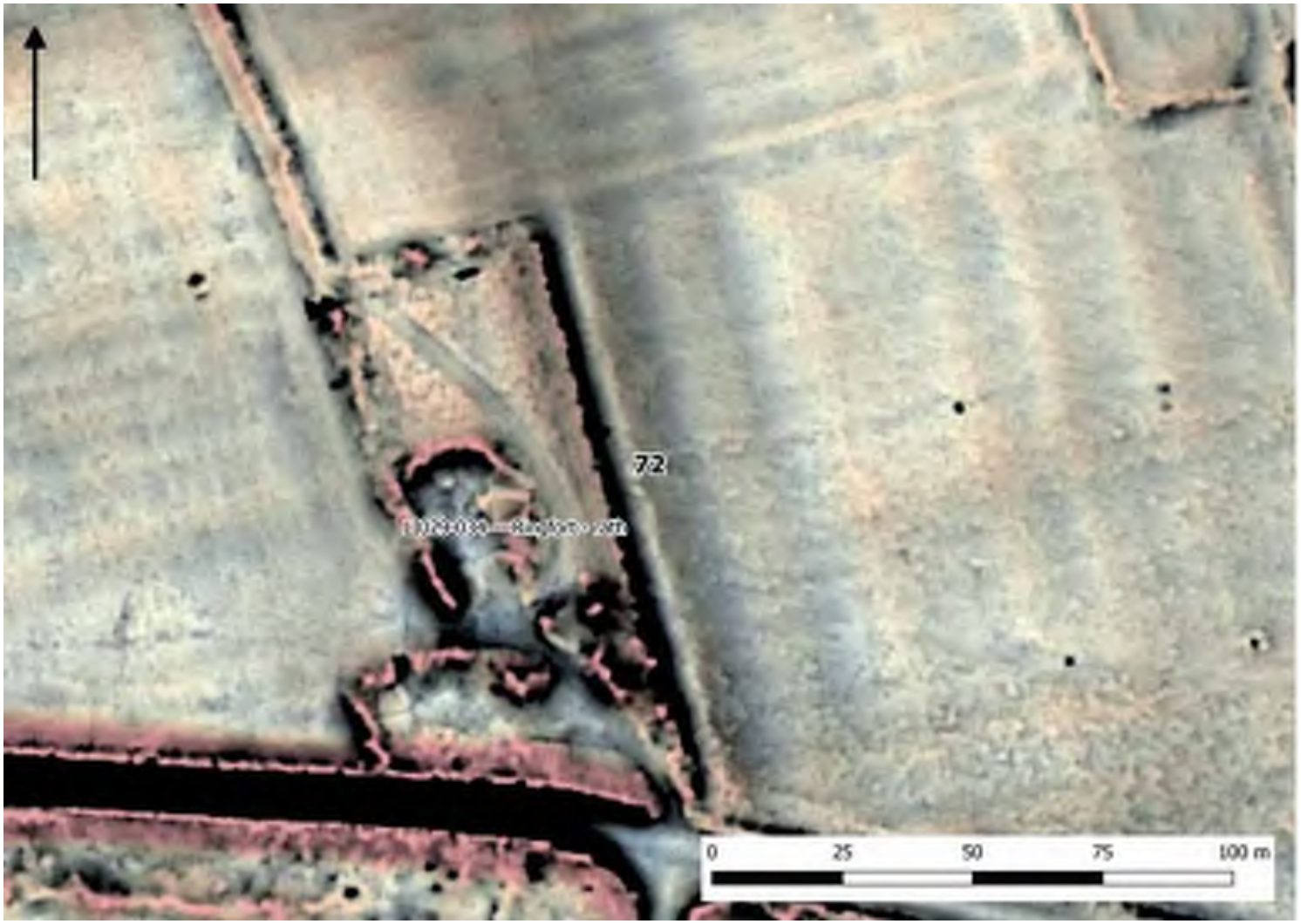
Grid 71

Feature 71.1. Small enclosure with central mounded area. 44 m diameter. LRM over SVF image.

Grid 72

LI029-034. Largely levelled. Section of northern bank is all that remains. Original diameter c. 23 m but already marked as damaged in 6-inch series.

LI029-034. Largely levelled. Section of northern bank is all that remains. Scheme orthophotography. Original diameter c. 23 m but already marked as damaged in 6-inch series.

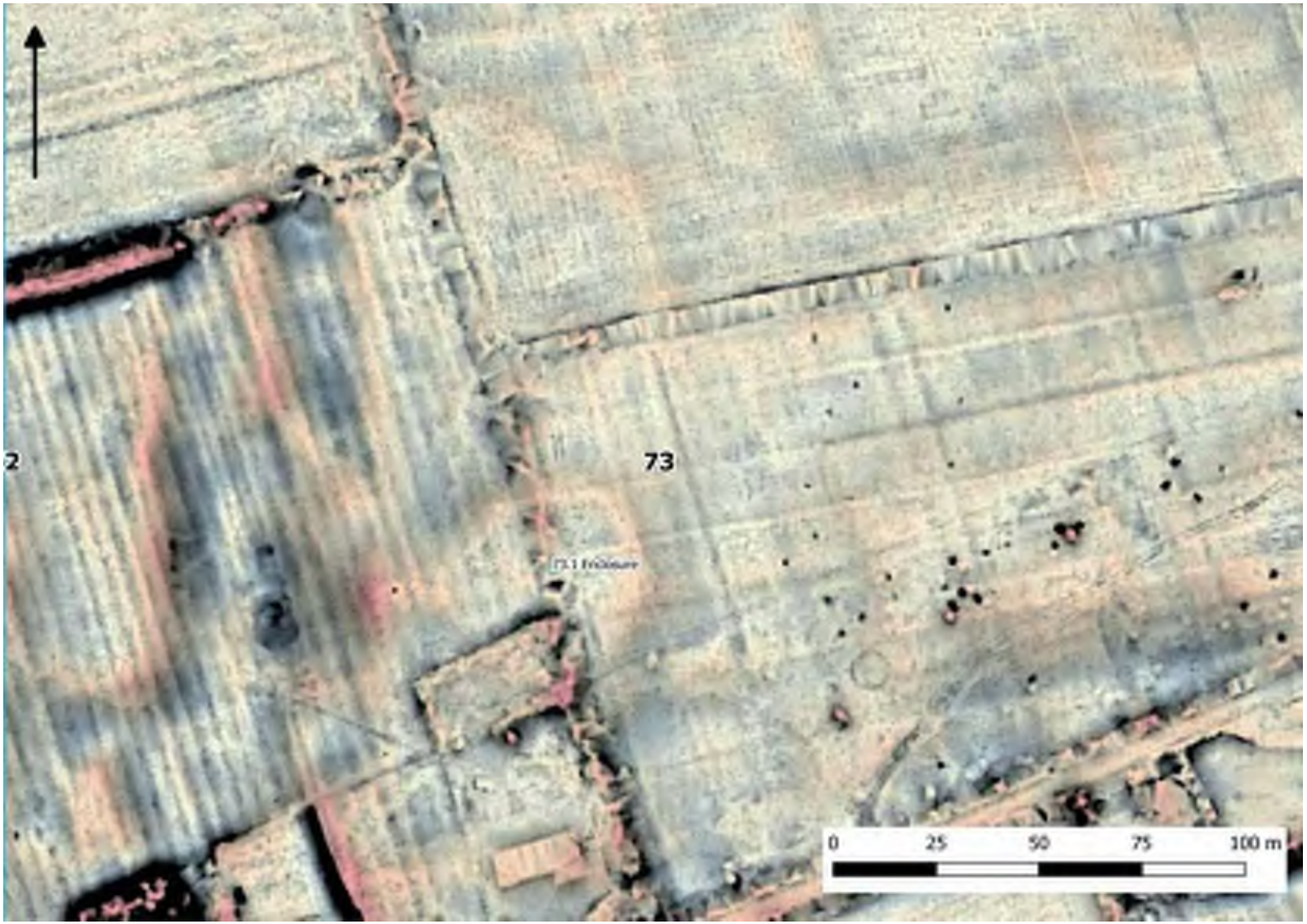


LI029-034. Largely levelled. Section of northern bank is all that remains. Scheme orthophotography LRM over SVF image.

LI029-037 (AH112). Substantially levelled save for northern section. Diameter c. 37 x 34 m. LRM over SVF image.

Grid 73

LI020-116 (AH113). No obvious trace from aerial survey. LRM over SVF image.

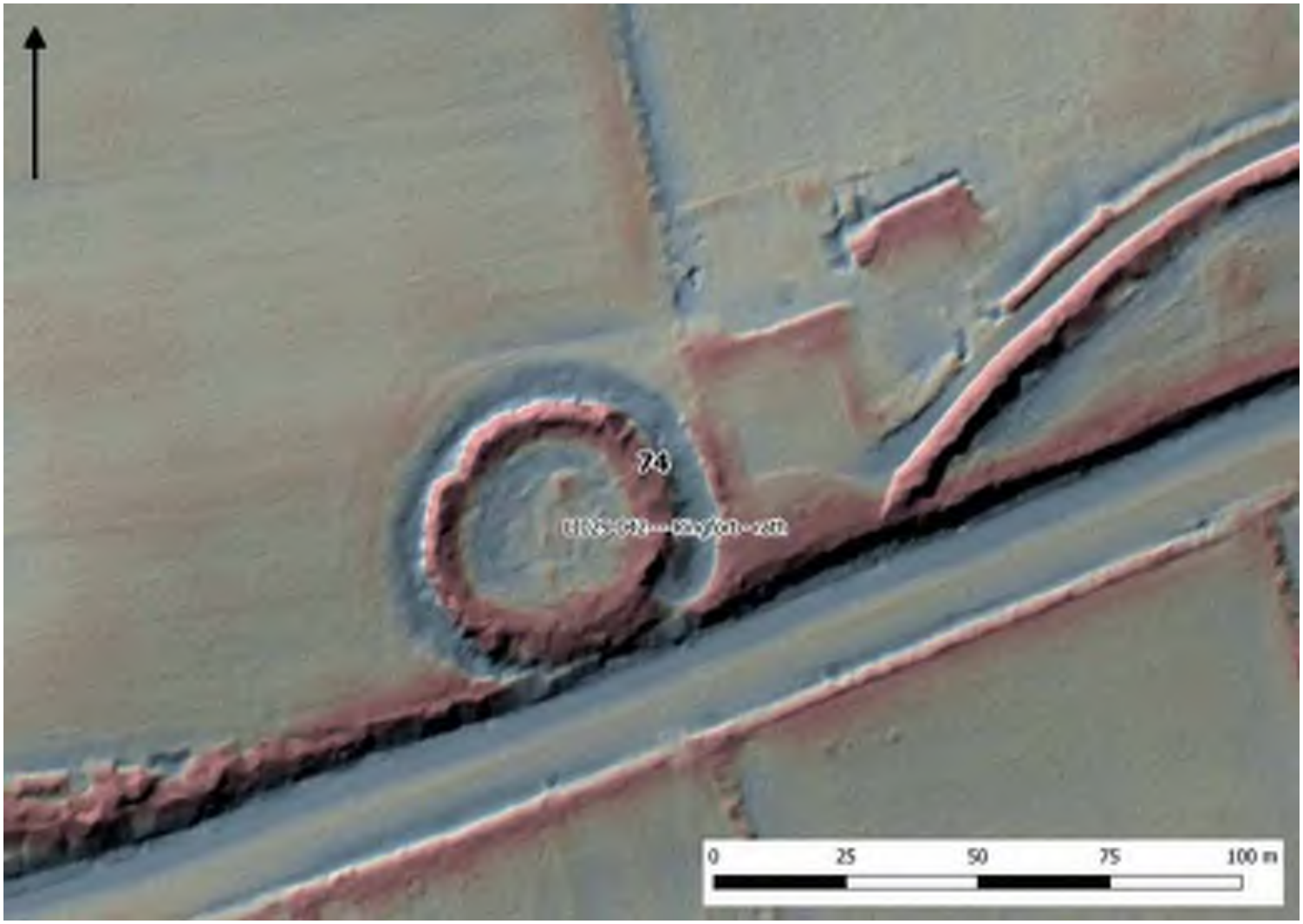


Feature 73.1. Possible plectrum-shaped enclosure, partially overbuilt to SW by modern farmyard. 43 m diameter. LRM over SVF image.

Feature 73.2. Probable ringfort located on low E-W ridge. Largely levelled but broad external fosse still visible. Diameter 39.8 m. LRM over SVF.

Grid 74

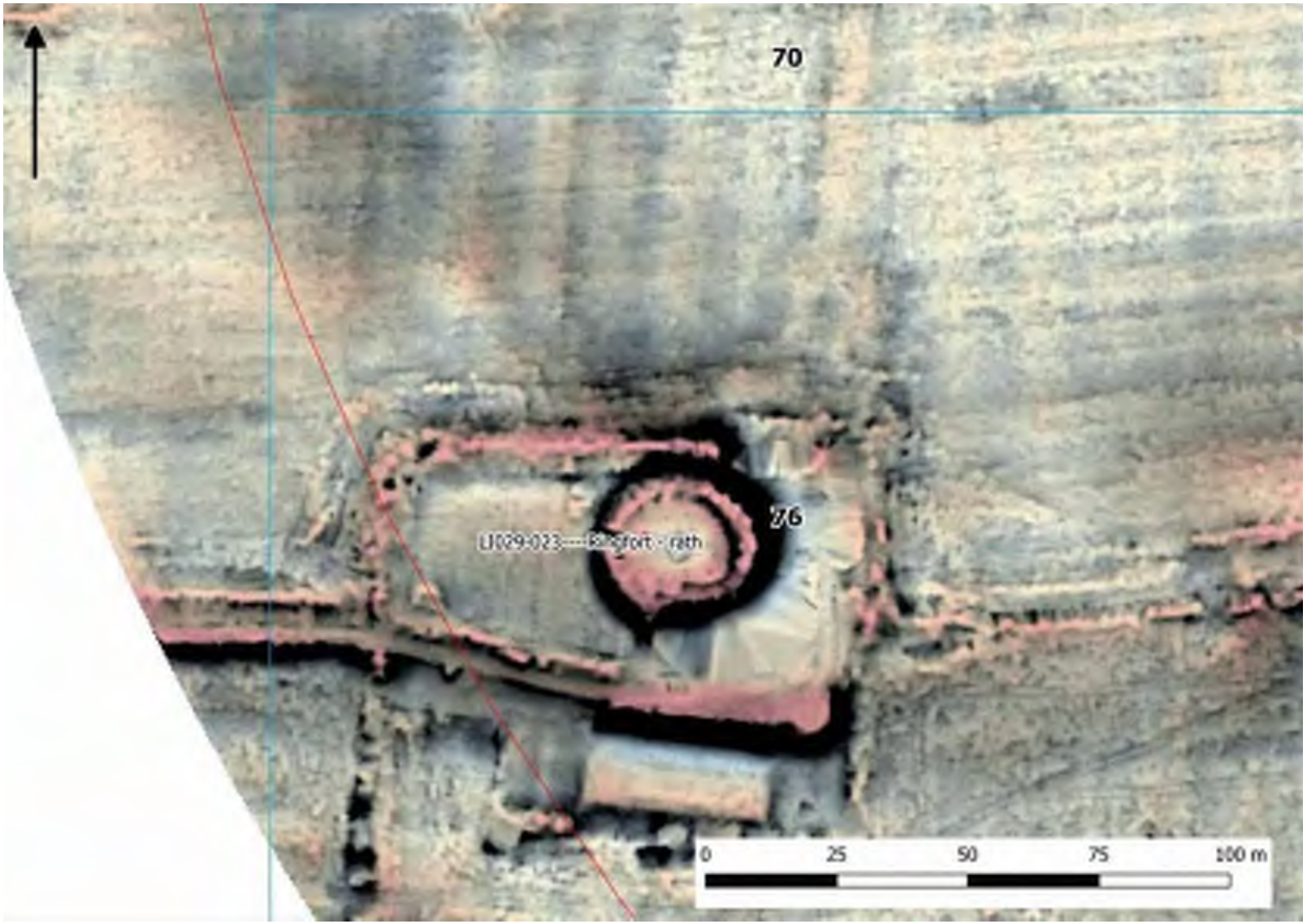
LI029-042. Substantial ringfort with broad external fosse. Possible entrance in NW. Interior area sunken, 42 m diameter. External diameter 49 m. Scheme orthophotography.



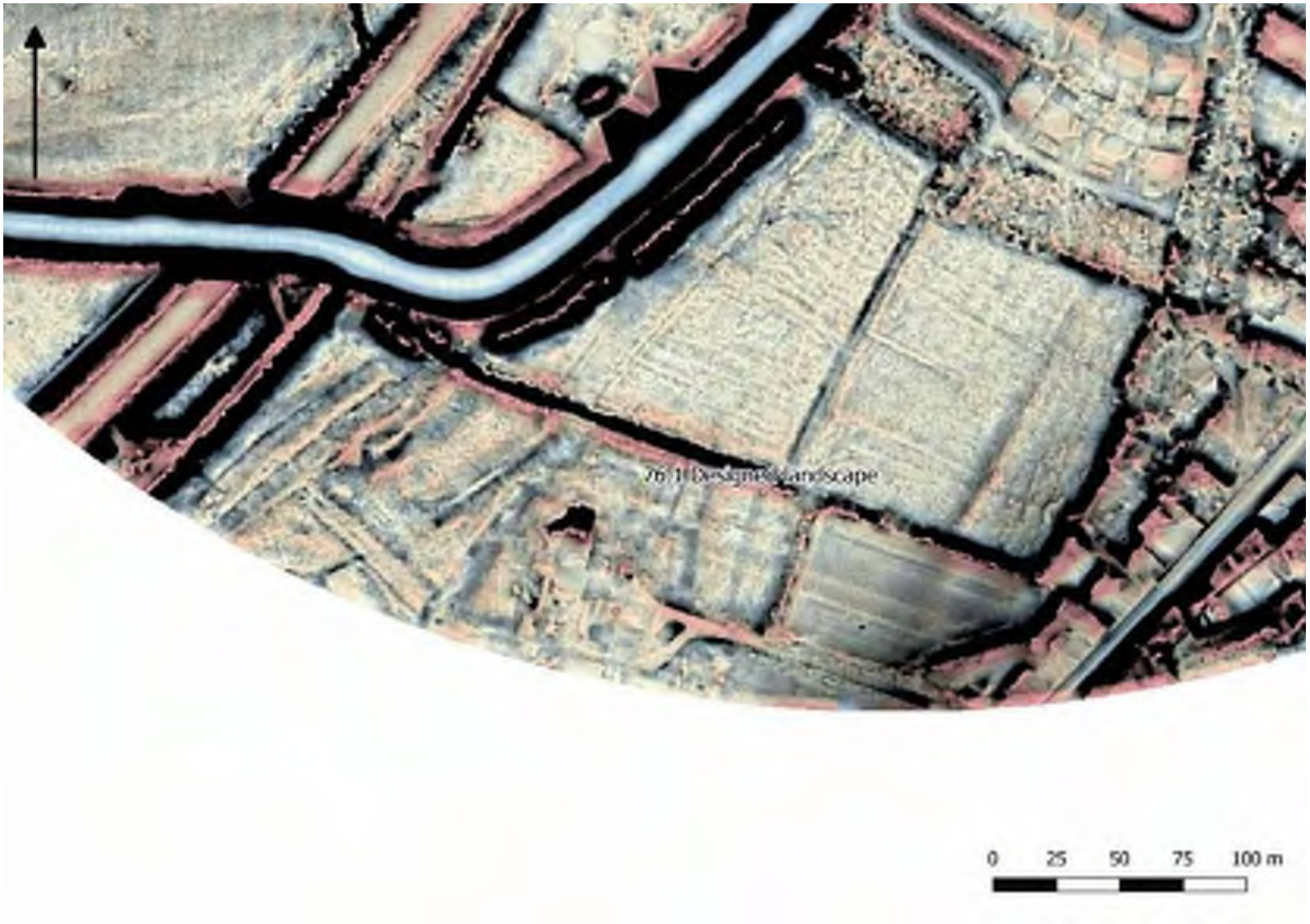
LI029-042. Substantial ringfort with broad external fosse. Possible entrance in NW. Interior area sunken, 42 m diameter. External diameter 49 m. LRM over 16-direction hillshade.

Grid 76

LI029-023. Small ringfort, 28 m diameter, apparently with internal enclosure. Modified by garden feature. Red line denotes limit of 1km corridor. Scheme orthophotography.



LI029-023. Small ringfort, 28 m diameter, apparently with internal enclosure. Modified by garden feature. Red line denotes limit of 1km corridor LRM over SVF image



Feature 76.1. Complex of ditched features, probably part of the grounds of Castlematrix. Covering in excess of 1.7 ha. LRM over SVF image. See also Fig. 19.