

A30 Chiverton to Carland Cross Environmental Statement

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Hedgerow Survey Report**

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A30 CHIVERTON CROSS TO CARLAND CROSS

HEDGEROW SURVEY REPORT

CONFIDENTIAL

FEBRUARY 2018

A30 CHIVERTON CROSS TO CARLAND CROSS

HEDGEROW SURVEY REPORT

Highways England

**Final
Confidential**

Project no: 70004582

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1 INTRODUCTION

1.1 OVERVIEW

1.1.1 WSP was commissioned by Highways England to undertake ecological surveys in respect of the proposed A30 Chiverton Cross to Carland Cross Improvement Scheme (hereafter referred to as 'the proposed Scheme'). The proposed Scheme comprises a new dual carriageway to run alongside the existing single carriageway road to relieve traffic pressures within the area. Surveys are required in order to inform an Ecological Impact Assessment (EclA) forming part of an Environmental Statement (ES) supporting a Development Consent Order (DCO) Application for the proposed Scheme.

1.1.2 A Phase 1 Habitat Verification Survey¹ undertaken in August 2015 identified a number of hedgerows within the proposed Scheme footprint and surrounding area. It was recommended that those potentially affected by the proposed Scheme should be subject to further survey to establish whether they qualified as 'Important' under the Hedgerow Regulations (1997). Hedgerow Regulation Assessments were undertaken and the Hedgerow Evaluation and Grading System (HEGS)² was used to identify 'Important' hedgerows within the survey area.

1.2 SITE CONTEXT

1.2.1 The A30 is a major trunk road running through the centre of Cornwall from West to East. The A30 forms an important route through the county of Cornwall and is under pressure during the summer months due to the high volume of tourism-related traffic. The section of road between Chiverton and Carland Cross is a traffic pinch point, where the dual carriageway narrows to single carriageway in both directions between two roundabouts. The single carriageway sits between grid references SW 74759 46978 at the western end and SW 84665 53957 at the eastern end.

1.2.2 The area assessed for 'Important' hedgerows consisted of the 100 m area either side of the 12.7 km length of the proposed Scheme. It should be noted that at the early stage of the survey design, the preferred Scheme option had not been finalised. As such, the survey area incorporated additional Scheme options and variations that have been subsequently removed.

1.2.3 The proposed Scheme area covers a variety of habitats; predominately arable farmland, but also including areas of heathland, woodland, wetland and grassland. The soft estate along this section of road contains hedgerows in some areas but also includes wide grass verges in others. The road at times is raised up offering panoramic views, at others it is cut into the bed rock with steep banks above.

¹ WSP|PB (2015). A30 Carland Cross to Chiverton Cross Phase 1 Habitat Verification Survey. A Report to Highways England

² Clements D.K, and Toft R.J, (1993). Hedgerow Evaluation and Grading Systems (HEGS): A Methodology for the Ecological Survey, Evaluation and Grading of Hedgerows

1.3 LEGISLATION

- 1.3.1 In England, The Hedgerow Regulations (1997) (hereafter referred to as ‘the Regulations’) are intended to protect important countryside hedgerows from destruction or damage. Hedgerows are assessed against a number of criteria in relation to their archaeology, and history, and wildlife and landscape, from which it is determined whether a hedgerow is ‘Important’.
- 1.3.2 Under the Regulations, any person wishing to remove a hedgerow must submit a hedgerow removal notice to the Local Planning Authority (LPA). The LPA will then decide whether to approve the notice or issue a hedgerow retention notice if the hedgerow has been identified as ‘Important’ under the Regulations. The provisions of the Hedgerow Regulations 1997 do not apply where the Secretary of State for Transport, or Highways England on their behalf, are carrying out works which are already subject to an environmental assessment. However, it is used in the context of this report as the basis of the survey undertaken.
- 1.3.3 All native hedgerows are also listed as Habitats of Principal Importance (HPI) in accordance with Section 41 of the Natural Environment and Rural Communities (NERC) Act (2006). HPIs are habitats in England that were identified as requiring action in the UK Biodiversity Action Plan (UK BAP) and continue to be regarded as conservation priorities in the UK Post-2010 Biodiversity Framework which superseded the UK BAP. The definition of this priority habitat has been amended from the pre-existing Habitat Action Plan for ancient and/or species rich hedgerows and is as follows:
- 1.3.4 A hedgerow is defined as any boundary line of trees or shrubs over 20m long and less than 5m wide, and where any gaps between the trees or shrub species are less than 20m wide³.
- 1.3.5 Under Section 40 of the NERC Act (2006), LPAs are required to have due regard for these habitats when exercising their functions, including determining planning applications.

³ DEFRA (2007) *The Hedgerow Survey Handbook*. 2nd Ed.

2 METHODS

2.1 DESK STUDY

2.1.1 As part of the Phase 1 Habitat Verification Survey, a desk study was undertaken. Designated sites and protected species records were obtained from the Environmental Records Centre for Cornwall and the Isles of Scilly (ERCCIS) for the area within 5 km of the existing A30 between Chiverton and Carland Cross. Those desk records of relevance within 2 km of the proposed Scheme were assessed.

2.2 FIELD SURVEY

Hedgerow Regulations Assessment

2.2.1 A hedgerow survey, in accordance with the Regulations, was undertaken by competent botanists between the 14th of June and 25th of August 2017 of all hedgerows within 100m of the proposed Scheme (the 'survey area').

2.2.2 The hedgerows within the survey area were measured from the point or points where they met another hedgerow(s), or where there was a gap of more than 20 metres between the end of the hedgerow and the nearest line of hedgerow. Gaps within a hedgerow were included in the total length provided they were 20 metres or less in length.

2.2.3 Notes were made on the following in accordance with the criteria outlined in Schedule 1, Part II of the Regulations:

- Number of woody species, on average, in a 30 metre length;
- Presence of rare tree species such as black poplar *Populus nigra ssp. betulifolia*, large-leaved lime *Tilia platyphyllos* and small-leaved lime *Tilia cordata*, and wild service tree *Sorbus torminalis*;
- Number of standard trees, on average, within each 50 metre section;
- Number of gaps in the hedge;
- Presence of woodland ground flora species listed in Schedule 2 of the Regulations;
- Presence of ditches, banks or walls;
- Number of connections with other hedgerows, ponds or woodland;
- Presence of parallel hedges within 15 metres of the hedge; and
- Presence of bridleways, footpaths, byways or public paths.

2.2.4 In accordance with the Regulations the number of woody species present per 30 metre length was recorded in the following manner:

- Where the length of the hedgerow did not exceed 30 metres, the total number of woody species present in the hedgerow was recorded;
- Where the hedgerow was between 30 metres and 100 metres in length, the number of woody species present in the central 30 metre stretch was recorded;
- Where the hedgerow length was between 100 metres and 200 metres, the number of woody species present in the central 30 metre stretches of the two halves of the

hedgerow were recorded and the mean of the two calculated; and

- Where the length of the hedgerow was over 200 metres, the numbers of woody species present in the central 30 metre stretch of each third of the hedgerow were recorded and the mean of the three calculated.

2.2.5 The field survey information was then assessed to establish whether each hedge fulfilled the Wildlife and Landscape criteria of the Regulations, from which it is determined whether a hedgerow is 'Important'.

Additional Evaluation Criteria

2.2.6 The Hedgerow Survey Handbook (2nd Edition)⁴ was used to assess further details, not required under the Regulations, such as hedgerow height, width, integrity, structure, and management history.

2.2.7 The Hedgerow Evaluation and Grading System⁵, which broadly follows the above Hedgerow Regulations methodology was undertaken in accordance to the CIEEM Technical Guidance Series⁶ for hedgerows and provides a greater level of detail when assessing hedgerow features. The methodology provides a score between 0 (bad) and 4 (good) for hedgerow features with a final grade assigned based on the results, as indicated below. Grades above 2 are classed as being of nature conservation priority.

- Grade 1 – High (-1) to very high (1+) value
- Grade 2 – Moderately high (-2) to high (2+) value
- Grade 3 – Moderate value (-3 to 3+)
- Grade 4 – Low value (-4 to 4+)

2.2.8 Survey sheets are presented in Appendix B. Hedge record and evaluation sheets and scoring matrix as prepared by the Hedgerow evaluation and Grading System are presented in Appendix C.

2.2.9 A further classification was used to distinguish the presence of largely un-vegetated Cornish Hedges. A typical Cornish Hedge can be defined as a stoned faced earth bank with a frequently shrubby hedgerow atop (although these can vary from turf-faced or stone core with little or no woody vegetation⁷). Any hedgerow with a bank may be considered a Cornish Hedge (see Appendix A), therefore, hedgerows may fall into multiple categories.

2.2.10 Due to presence of largely un-vegetated banks, which are recognised as Cornish Hedges within Cornwall but not adhering to the Hedgerows Survey Handbook⁸ and could not be assessed by the above guidelines, the below classification was applied:

- A. Scrub topped Cornish Hedges;
- B. Grass topped Cornish Hedges; and

⁴ DEFRA (2007) *The Hedgerow Survey Handbook*. 2nd Ed.

⁵ Clements D.K, and Toft R.J, (1993). Hedgerow Evaluation and Grading Systems (HEGS): A Methodology for the Ecological Survey, Evaluation and Grading of Hedgerows

⁶ <https://www.cieem.net/habitats-terrestrial>.

⁷ Cornish Hedge Management: For Hedges Adjacent to Highways. Cornwall Council.

<http://www.cornwall.gov.uk/media/3628255/Cornish-Highway-hedge-leaflet-web-2010.pdf>

⁸ DEFRA (2007) *The Hedgerow Survey Handbook*. 2nd Ed.

C. Bracken topped Cornish Hedges.

2.3 SURVEY LIMITATIONS

- 2.3.1** The survey was conducted within the optimum time of year for a hedgerow survey. The suitable field survey period extends approximately from April to October. However, June and July are considered to be the most suitable months for the assessment of ground flora. Surveys for the proposed Scheme were spread across the season and were not limited to June and July. However, this did not result in any significant limitation with regard to the identification of ground flora species.
- 2.3.2** The hedgerow assessments did not include criteria which relate to historical and archaeological evidence under which hedgerows can be classified as 'Important'. For purposes of this hedgerow assessment only ecological features were assessed. This was not considered a limitation to the hedgerow assessments within an ecological context.
- 2.3.3** Within Cornwall all hedgerows that are a top a stone-faced, turf-faced or stone-core earth bank are considered to be Cornish Hedges. Due to the majority of surveyed hedgerows having a degraded bank with stone-facing no longer visible, it was difficult to accurately identify Cornish Hedges. Therefore, traditional hedgerows were surveyed following the Hedgerow Regulation and HEGS guidelines, with the un-vegetated or sparsely vegetated banks being categorised as Cornish Hedges due to their importance as a landscape feature.
- 2.3.4** Overall there were no significant limitations to the survey works.

3 RESULTS

3.1 OVERVIEW

3.1.1 A total of 305 native hedgerows and Cornish Hedges were identified within the survey area. Of these 179 were native woody hedgerows, which included 45 'Important' hedgerows and 98 hedgerows of nature conservation priority. In total 148 hedgerows can be considered Cornish Hedges with a further 126 un-vegetated Cornish Hedges forming linear boundary features.

'Important' Hedgerows (Hedgerow Regulations)

3.1.2 A total of 179 native woody hedgerows were assessed against the Regulations and of these, 45 qualified as 'Important' hedgerows under the Wildlife and Landscape criteria of the Regulations. Of these, 45 'Important' hedgerows, 44 were atop a bank and could be categorised as Cornish Hedges; one single 'Important' hedgerow was not considered to also be a Cornish Hedge.

Nature Conservation Priority Hedges (Under HEGS Guidelines)

3.1.3 Of the 179 woody hedgerows assessed, a total of 98 hedgerows were classed as a nature conservation priority under the HEGS guidelines (this included only 40 of the 45 'Important' hedgerows). See Appendix A for further details.

3.1.4 Of the 98 hedgerows classified as a nature conservation priority under the HEGS guidelines, 79 were atop a bank and could be categorised as Cornish Hedges. See Appendix A for further details.

3.1.5 Of the remaining 81 hedgerows, which were not classified as nature conservation priority under the HEGS guidelines, 69 were Cornish Hedges.

Un-vegetated Cornish Hedges (not assessed under the Hedgerow Regulations Criteria or HEGS Guidelines)

3.1.6 In addition to the 179 native woody hedgerows, 126 Cornish Hedges with little or no woody species growth were identified and therefore were not assessed by the HEGS or Hedgerow Regulations methodology. However, they were classified using the methods described in Section 2 above.

3.1.7 These were formed by 51 scrub topped Cornish Hedges, 69 grass topped Cornish Hedges and six bracken topped Cornish Hedges.

3.1.8 In total 274 of the 305 recorded hedges can be classified as Cornish Hedges.

3.2 ECOLOGICAL FIELD SURVEY OF HEDGEROWS

3.2.1 All identified native hedgerows and Cornish Hedges locations and classifications are shown in Figure 1. A summary of the 'Important Hedgerows' is presented in Table 1 below and raw survey data is included in Appendix A.

Table 1: Summary for all 'Important' Hedgerows Identified within 100m of the Proposed Scheme and Associated Features

| HEDGEROW NUMBER | APPROX. LENGTH (M) | TOTAL NUMBER OF WOODY SPECIES | REGULATION HEDGEROW FEATURES | | | | | | | |
|-----------------|--------------------|-------------------------------|---|----------|---------|-----------------------------|--|---------------|-----------------------|----------------|
| | | | Average number of woody species per 30m section | Bank (m) | Gap (%) | Mature Tree per 50m Present | Presence of 3+ Schedule 3 Woodland Species | Ditch Present | Number of Connections | Parallel Hedge |
| H3 | 254 | 9 | 6 | 0.5 | <10 | Yes | Yes | No | Yes | Yes |
| H13 | 107 | 6 | 5 | 0.5 | 0 | Yes | Yes | Yes | Yes | No |
| H24 | 108 | 5 | 5 | 0.5-1.0 | 0 | Yes | Yes | No | Yes | No |
| H25A | 141 | 10 | 6 | 0.5 | <10 | Yes | No | Yes | Yes | Yes |
| H26 | 120 | 7 | 5 | 0.5 | <10 | No | Yes | No | Yes | Yes |
| H35 | 40 | 6 | 6 | 0.5-1.0 | <10 | No | Yes | No | Yes | No |
| H41 | 183 | 5 | 5 | >1.0 | 0 | Yes | Yes | No | Yes | No |
| H46 | 273 | 8 | 6 | 0.5 | <10 | No | Yes | No | Yes | Yes |
| H47 | 307 | 8 | 5 | 0.5-1.0 | <10 | Yes | Yes | No | Yes | No |
| H49A | 64 | 7 | 7 | >1.0 | <10 | Yes | Yes | No | Yes | Yes |
| H49B | 122 | 9 | 6 | 0.5 | 0 | No | No | No | Yes | No |
| H53 | 216 | 9 | 6 | 0.5-1.0 | >10 | Yes | No | Yes | Yes | No |
| H55 | 132 | 6 | 5 | 0.5-1.0 | >10 | Yes | Yes | Yes | Yes | No |
| H56 | 120 | 5 | 5 | 0.5-1.0 | >10 | Yes | Yes | No | Yes | No |
| H58 | 70 | 8 | 6 | >1.0 | >10 | No | Yes | No | Yes | No |
| H59 | 77 | 6 | 6 | >1.0 | <10 | No | Yes | No | Yes | No |
| H62 | 180 | 5 | 4 | >1.0 | <10 | No | Yes | No | Yes | Yes |
| H63 | 148 | 6 | 5 | >1.0 | <10 | No | Yes | No | Yes | Yes |
| H65 | 55 | 6 | 6 | 0.5-1.0 | <10 | Yes | Yes | Yes | Yes | No |
| H66 | 81 | 9 | 9 | 0.5-1.0 | 0 | Yes | Yes | Yes | Yes | No |
| H69 | 140 | 6 | 5 | >1.0 | >10 | Yes | Yes | No | Yes | No |

| HEDGEROW NUMBER | APPROX. LENGTH (M) | TOTAL NUMBER OF WOODY | REGULATION HEDGEROW FEATURES | | | | | | | |
|-----------------|--------------------|-----------------------|------------------------------|---------|-----|-----|-----|-----|-----|-----|
| | | | | | | | | | | |
| H75 | 144 | 9 | 6 | 0.5-1.0 | 0 | Yes | Yes | No | Yes | No |
| H76 | 162 | 11 | 9 | 0.5-1.0 | <10 | Yes | Yes | No | Yes | No |
| H77 | 75 | 7 | 5 | 0.5 | <10 | Yes | Yes | No | Yes | No |
| H78 | 432 | 10 | 6 | 0.5 | <10 | No | Yes | No | Yes | No |
| H81 | 280 | 10 | 7 | 0.5 | <10 | Yes | Yes | No | Yes | Yes |
| H82 | 278 | 7 | 5 | 0.5-1.0 | >10 | No | Yes | No | Yes | Yes |
| H86B | 82 | 6 | 6 | >1.0 | >10 | No | Yes | No | Yes | No |
| H87 | 142 | 8 | 7 | 0.5 | <10 | No | Yes | No | Yes | No |
| H91 | 68 | 9 | 6 | 0.5-1.0 | <10 | Yes | Yes | No | Yes | No |
| H92 | 128 | 9 | 9 | 0.5 | <10 | Yes | Yes | Yes | Yes | Yes |
| H93 | 119 | 9 | 6 | 0 | >10 | Yes | Yes | No | Yes | Yes |
| H94 | 154 | 8 | 7 | >1.0 | <10 | No | Yes | Yes | Yes | Yes |
| H97 | 144 | 8 | 7 | 0.5 | <10 | No | Yes | No | Yes | No |
| H106 | 300 | 9 | 6 | >1.0 | 0 | No | Yes | No | Yes | No |
| H116 | 33 | 5 | 5 | 0.5-1.0 | >10 | Yes | Yes | No | Yes | No |
| H117 | 65 | 6 | 5 | 0.5 | <10 | Yes | Yes | No | Yes | No |
| H118 | 60 | 5 | 5 | 0.5-1.0 | <10 | Yes | Yes | Yes | Yes | No |
| H136 | 175 | 5 | 5 | 0.5-1.0 | <10 | Yes | Yes | No | Yes | No |
| H160 | 246 | 11 | 5 | >1.0 | >10 | Yes | Yes | No | Yes | No |
| H161 | 138 | 9 | 5 | >1.0 | <10 | No | Yes | No | Yes | Yes |
| H162 | 295 | 8 | 5 | >1.0 | <10 | No | Yes | No | Yes | Yes |
| H164 | 386 | 9 | 6 | >1.0 | 0 | No | Yes | No | Yes | No |
| H165 | 220 | 7 | 6 | 0.5-1.0 | <10 | No | Yes | No | Yes | No |
| H167 | 137 | 10 | 5 | 0.5 | 0 | Yes | Yes | No | Yes | Yes |

Appendix A

HEDGEROW SURVEY DATA SUMMARY

HEDGEROW SURVEY DATA

| HEDGEROW NUMBER | LENGTH (M) | RECENT | HEIGHT | WIDTH | CROSS-SECTION | MATURE PER 100M | YOUNG PER 100M | NO. GAPS | NO. CONNECTIONS | NO. WOODY SPECIES | NATIVE DOMINANCE | WOODY SPECIES | BANK | DITCH | VERGE | SCHEDULE 3 WOODLAND SPECIES AS A QUALIFYING FEATURE | AVERAGE NUMBER OF SPECIES PER 30M SECTION | HEGS | REGS | CORNISH HEDGE |
|-----------------|------------|--------|--------|-------|---------------|-----------------|----------------|----------|-----------------|-------------------|------------------|---------------|------|-------|-------|---|---|------|------|---------------|
| H1 | 502 | 0 | 2 | 2 | 2 | 0 | 0 | 3 | 4 | 5 | 2 | 2 | 3 | 0 | 2 | Yes | 2 | -3 | No | Yes |
| H2 | 243 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 2 | 5 | 2 | 2 | 4 | 0 | 2 | Yes | 3 | 4+ | No | Yes |
| H3 | 254 | 0 | 4 | 3 | 4 | 0 | 0 | 3 | 2 | 9 | 4 | 3 | 2 | 0 | 0 | Yes | 6 | -2 | Yes | Yes |
| H4 | 85 | 0 | 4 | 4 | 3 | 0 | 0 | 2 | 3 | 8 | 2 | 3 | 0 | 0 | 0 | No | 5 | 3+ | No | No |
| H5 | 154 | 0 | 3 | 2 | 3 | 0 | 0 | 2 | 4 | 8 | 4 | 3 | 2 | 0 | 0 | No | 3 | 2 | No | Yes |
| H6 | 98 | 0 | 2 | 2 | 3 | 0 | 0 | 3 | 4 | 3 | 2 | 1 | 3 | 0 | 0 | Yes | 3 | -2 | No | Yes |
| H7 | 218 | 0 | 3 | 4 | 3 | 0 | 0 | 3 | 2 | 4 | 4 | 1 | 3 | 0 | 0 | Yes | 4 | 3+ | No | Yes |
| H8 | 424 | 0 | 3 | 4 | 4 | 0 | 0 | 3 | 4 | 7 | 4 | 2 | 0 | 0 | 2 | Yes | 3 | 2 | No | No |
| H9 | 304 | 0 | 2 | 1 | 1 | 0 | 0 | 3 | 2 | 7 | 2 | 2 | 0 | 0 | 2 | Yes | 4 | 4+ | No | No |
| H10 | 277 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 4 | 2 | 1 | 2 | 0 | 0 | No | 3 | -4 | No | Yes |
| H11 | 184 | 0 | 2 | 3 | 2 | 0 | 0 | 1 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | No | 2 | -3 | No | No |
| H12 | 284 | 0 | 3 | 2 | 4 | 0 | 1 | 2 | 4 | 7 | 2 | 2 | 3 | 0 | 2 | Yes | 4 | 3+ | No | Yes |
| H13 | 107 | 0 | 3 | 3 | 3 | 0 | 3 | 4 | 4 | 6 | 2 | 2 | 2 | 4 | 0 | Yes | 5 | -2 | Yes | Yes |
| H14 | 152 | 0 | 2 | 2 | 2 | 0 | 2 | 3 | 4 | 4 | 2 | 1 | 2 | 0 | 2 | No | 4 | -2 | No | Yes |
| H15 | 236 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 4 | 0 | 0 | No | 1 | -4 | No | Yes |
| H16 | 201 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 2 | 1 | 4 | 0 | 0 | No | 2 | -4 | No | Yes |
| H17 | 340 | 0 | 2 | 3 | 3 | 0 | 1 | 1 | 3 | 6 | 2 | 2 | 2 | 0 | 2 | No | 3 | 3 | No | Yes |
| H18 | 520 | 0 | 4 | 3 | 3 | 0 | 4 | 4 | 4 | 5 | 4 | 2 | 3 | 2 | 2 | Yes | 4 | -1 | No | Yes |
| H18B | 200 | 0 | 2 | 2 | 3 | 0 | 1 | 3 | 4 | 5 | 2 | 2 | 2 | 0 | 2 | Yes | 3 | -2 | No | Yes |
| H19 | 244 | 0 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 6 | 2 | 2 | 2 | 0 | 2 | Yes | 3 | 2+ | No | Yes |
| H20 | 465 | 0 | 2 | 3 | 3 | 0 | 1 | 2 | 3 | 8 | 2 | 3 | 3 | 2 | 2 | Yes | 3 | -2 | No | Yes |
| H21 | 220 | 0 | 3 | 3 | 2 | 0 | 0 | 4 | 1 | 8 | 2 | 3 | 3 | 0 | 0 | No | 3 | 3+ | No | Yes |
| H22 | 55 | 0 | 3 | 3 | 3 | 0 | 0 | 4 | 1 | 1 | 2 | 1 | 4 | 0 | 0 | No | 1 | 3 | No | Yes |
| H23 | 110 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 4 | 0 | 0 | No | 1 | -4 | No | Yes |
| H24 | 108 | 0 | 4 | 4 | 4 | 0 | 0 | 4 | 4 | 5 | 4 | 1 | 3 | 0 | 0 | Yes | 5 | 2 | Yes | Yes |
| H25A | 141 | 0 | 3 | 3 | 3 | 0 | 2 | 3 | 4 | 10 | 4 | 4 | 2 | 2 | 2 | No | 6 | -1 | Yes | Yes |
| H25B | 70 | 0 | 3 | 2 | 3 | 0 | 0 | 3 | 2 | 3 | 2 | 1 | 3 | 0 | 0 | No | 3 | 3 | No | Yes |
| H26 | 120 | 0 | 3 | 3 | 3 | 0 | 1 | 3 | 2 | 7 | 2 | 2 | 2 | 0 | 2 | Yes | 5 | 3 | Yes | Yes |
| H27 | 38 | 0 | 3 | 4 | 4 | 0 | 0 | 3 | 4 | 3 | 2 | 1 | 2 | 0 | 0 | Yes | 3 | -2 | No | Yes |
| H28 | 105 | 0 | 4 | 3 | 2 | 0 | 0 | 0 | 4 | 4 | 4 | 1 | 3 | 0 | 0 | No | 4 | 3+ | No | Yes |
| H29 | 92 | 0 | 2 | 3 | 3 | 0 | 0 | 3 | 2 | 4 | 2 | 1 | 4 | 0 | 0 | Yes | 4 | 3 | No | Yes |
| H30A | 66 | 0 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 3 | 2 | 1 | 4 | 0 | 0 | No | 3 | 4 | No | Yes |
| H30B | 248 | 0 | 3 | 2 | 2 | 0 | 0 | 2 | 3 | 5 | 4 | 2 | 3 | 0 | 0 | No | 5 | -2 | No | Yes |
| H31 | 158 | 0 | 2 | 3 | 3 | 0 | 0 | 1 | 2 | 3 | 2 | 1 | 4 | 0 | 0 | No | 3 | -3 | No | Yes |
| H32 | 112 | 0 | 2 | 3 | 4 | 0 | 1 | 3 | 4 | 5 | 2 | 2 | 3 | 0 | 0 | No | 4 | -2 | No | Yes |
| H33 | 182 | 0 | 1 | 3 | 2 | 0 | 0 | 2 | 4 | 6 | 2 | 2 | 4 | 0 | 0 | Yes | 3 | 4+ | No | Yes |
| H34 | 66 | 0 | 2 | 3 | 2 | 0 | 0 | 3 | 4 | 4 | 2 | 1 | 3 | 0 | 0 | No | 3 | -2 | No | Yes |
| H35 | 40 | 0 | 2 | 3 | 2 | 0 | 0 | 3 | 4 | 6 | 2 | 2 | 3 | 0 | 0 | Yes | 6 | -2 | Yes | Yes |
| H36 | 54 | 0 | 2 | 3 | 4 | 0 | 0 | 3 | 4 | 4 | 2 | 1 | 3 | 0 | 0 | No | 4 | -2 | No | Yes |
| H37 | 179 | 0 | 2 | 2 | 3 | 0 | 0 | 3 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | No | 4 | -2 | No | Yes |
| H38 | 86 | 0 | 2 | 3 | 2 | 0 | 0 | 3 | 2 | 2 | 2 | 1 | 3 | 0 | 0 | No | 2 | 3 | No | Yes |
| H39 | 310 | 0 | 2 | 3 | 3 | 0 | 0 | 2 | 4 | 5 | 2 | 2 | 3 | 0 | 0 | No | 4 | 3+ | No | Yes |
| H40 | 193 | 0 | 2 | 2 | 2 | 0 | 0 | 2 | 4 | 7 | 2 | 2 | 3 | 0 | 0 | No | 4 | 4+ | No | Yes |
| H41 | 183 | 0 | 3 | 3 | 3 | 2 | 0 | 4 | 4 | 5 | 2 | 2 | 4 | 0 | 0 | Yes | 5 | -2 | Yes | Yes |

| HEDGEROW NUMBER | LENGTH (M) | RECENT | HEIGHT | WIDTH | CROSS-SECTION | MATURE PER 100M | YOUNG PER 100M | NO. GAPS | NO. CONNECTIONS | NO. WOODY SPECIES | NATIVE DOMINANCE | WOODY SPECIES | BANK | DITCH | VERGE | SCHEDULE 3 WOODLAND SPECIES AS A QUALIFYING FEATURE | AVERAGE NUMBER OF SPECIES PER 30M SECTION | HEGS | REGS | CORNISH HEDGE |
|-----------------|------------|--------|--------|-------|---------------|-----------------|----------------|----------|-----------------|-------------------|------------------|---------------|------|-------|-------|---|---|------|------|---------------|
| H42 | 150 | 0 | 2 | 2 | 2 | 0 | 0 | 3 | 4 | 5 | 2 | 2 | 3 | 0 | 0 | No | 4 | -3 | No | Yes |
| H43 | 242 | 0 | 2 | 2 | 1 | 0 | 0 | 3 | 4 | 5 | 2 | 2 | 0 | 0 | 0 | No | 2 | -3 | No | No |
| H44 | 116 | 0 | 2 | 3 | 3 | 0 | 0 | 3 | 3 | 3 | 2 | 1 | 3 | 0 | 0 | No | 3 | 3+ | No | Yes |
| H45 | 120 | 0 | 2 | 3 | 3 | 0 | 0 | 3 | 2 | 4 | 2 | 1 | 2 | 0 | 0 | No | 3 | 3 | No | Yes |
| H46 | 273 | 0 | 4 | 4 | 3 | 0 | 0 | 3 | 3 | 8 | 4 | 3 | 2 | 0 | 0 | Yes | 6 | 2 | Yes | Yes |
| H47 | 307 | 0 | 3 | 2 | 2 | 0 | 3 | 3 | 2 | 8 | 4 | 3 | 3 | 0 | 0 | Yes | 5 | -2 | Yes | Yes |
| H48 | 217 | 0 | 4 | 3 | 3 | 4 | 2 | 3 | 2 | 8 | 4 | 3 | 3 | 2 | 2 | Yes | 4 | -1 | No | Yes |
| H49A | 64 | 0 | 4 | 4 | 4 | 4 | 0 | 3 | 4 | 7 | 4 | 2 | 4 | 0 | 2 | Yes | 7 | -1 | Yes | Yes |
| H49B | 122 | 0 | 3 | 3 | 3 | 0 | 2 | 4 | 2 | 9 | 4 | 3 | 2 | 0 | 0 | No | 6 | 2 | Yes | Yes |
| H50 | 284 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 3 | 4 | 2 | 1 | 4 | 0 | 0 | No | 4 | 4 | No | Yes |
| H51 | 270 | 0 | 1 | 1 | 1 | 0 | 1 | 3 | 4 | 6 | 2 | 2 | 4 | 0 | 0 | Yes | 2 | -3 | No | Yes |
| H52 | 275 | 0 | 1 | 1 | 1 | 0 | 2 | 3 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | No | 2 | -3 | No | Yes |
| H53 | 216 | 0 | 4 | 4 | 2 | 4 | 4 | 2 | 4 | 9 | 4 | 3 | 3 | 2 | 0 | No | 6 | -1 | Yes | Yes |
| H54 | 299 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 4 | 10 | 2 | 4 | 4 | 2 | 2 | Yes | 5 | 3+ | No | Yes |
| H55 | 132 | 0 | 4 | 4 | 3 | 4 | 4 | 2 | 4 | 6 | 4 | 2 | 3 | 2 | 2 | Yes | 5 | -1 | Yes | Yes |
| H56 | 120 | 0 | 4 | 4 | 1 | 4 | 4 | 2 | 4 | 5 | 4 | 2 | 3 | 0 | 0 | Yes | 5 | -1 | Yes | Yes |
| H57 | 297 | 0 | 2 | 2 | 2 | 1 | 0 | 3 | 4 | 9 | 2 | 3 | 3 | 0 | 0 | No | 2 | -2 | No | Yes |
| H58 | 70 | 0 | 1 | 2 | 3 | 0 | 0 | 2 | 4 | 8 | 2 | 3 | 4 | 0 | 0 | Yes | 6 | -3 | Yes | Yes |
| H59 | 77 | 0 | 2 | 2 | 2 | 0 | 0 | 3 | 2 | 6 | 2 | 2 | 4 | 0 | 2 | Yes | 6 | -3 | Yes | Yes |
| H60 | 58 | 0 | 2 | 3 | 3 | 0 | 2 | 3 | 4 | 7 | 4 | 2 | 3 | 0 | 0 | Yes | 6 | 2 | No | Yes |
| H61 | 190 | 0 | 2 | 3 | 3 | 0 | 1 | 2 | 4 | 7 | 4 | 2 | 4 | 0 | 0 | No | 5 | 2 | No | Yes |
| H62 | 180 | 0 | 2 | 2 | 2 | 1 | 0 | 3 | 4 | 5 | 4 | 2 | 4 | 0 | 0 | Yes | 4 | 2 | Yes | Yes |
| H63 | 148 | 0 | 2 | 2 | 2 | 0 | 2 | 3 | 4 | 6 | 4 | 2 | 4 | 0 | 0 | Yes | 5 | 2 | Yes | Yes |
| H64 | 37 | 0 | 4 | 3 | 3 | 0 | 0 | 2 | 2 | 5 | 4 | 2 | 3 | 0 | 0 | No | 5 | -2 | No | Yes |
| H65 | 55 | 0 | 4 | 4 | 3 | 2 | 4 | 3 | 4 | 6 | 4 | 2 | 3 | 3 | 2 | Yes | 6 | 1 | Yes | Yes |
| H66 | 81 | 0 | 4 | 4 | 3 | 2 | 2 | 4 | 4 | 9 | 4 | 3 | 3 | 3 | 2 | Yes | 9 | 1 | Yes | Yes |
| H67 | 145 | 0 | 4 | 3 | 3 | 1 | 0 | 2 | 2 | 6 | 4 | 2 | 3 | 0 | 0 | No | 6 | -2 | No | Yes |
| H68 | 229 | 0 | 3 | 2 | 2 | 0 | 0 | 4 | 2 | 4 | 2 | 1 | 0 | 0 | 2 | No | 4 | 3+ | No | No |
| H69 | 140 | 0 | 2 | 3 | 2 | 2 | 2 | 1 | 3 | 6 | 2 | 2 | 4 | 0 | 0 | Yes | 5 | 3 | Yes | Yes |
| H70 | 317 | 0 | 3 | 2 | 2 | 0 | 0 | 2 | 3 | 6 | 2 | 2 | 4 | 0 | 0 | Yes | 4 | 3 | No | Yes |
| H71 | 210 | 0 | 2 | 2 | 3 | 0 | 3 | 3 | 4 | 9 | 2 | 3 | 4 | 0 | 0 | Yes | 5 | -2 | No | Yes |
| H72 | 181 | 0 | 3 | 3 | 2 | 0 | 0 | 4 | 2 | 5 | 2 | 2 | 4 | 0 | 0 | No | 4 | 3+ | No | Yes |
| H73 | 202 | 0 | 3 | 2 | 2 | 0 | 0 | 3 | 4 | 6 | 2 | 2 | 4 | 0 | 0 | Yes | 5 | -2 | No | Yes |
| H74 | 135 | 0 | 3 | 2 | 2 | 1 | 0 | 3 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | Yes | 3 | -2 | No | Yes |
| H75 | 144 | 0 | 3 | 3 | 3 | 2 | 2 | 4 | 4 | 9 | 2 | 3 | 3 | 0 | 0 | Yes | 6 | 2+ | Yes | Yes |
| H76 | 162 | 0 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 11 | 4 | 4 | 3 | 0 | 2 | Yes | 9 | 1 | Yes | Yes |
| H77 | 75 | 0 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 7 | 4 | 2 | 2 | 0 | 0 | Yes | 5 | -1 | Yes | Yes |
| H78 | 432 | 0 | 4 | 3 | 1 | 0 | 2 | 3 | 4 | 10 | 4 | 4 | 2 | 0 | 2 | Yes | 6 | -1 | Yes | Yes |
| H79 | 105 | 0 | 2 | 2 | 2 | 0 | 2 | 1 | 2 | 5 | 2 | 2 | 2 | 0 | 0 | No | 3 | -3 | No | Yes |
| H80 | 321 | 0 | 2 | 4 | 2 | 0 | 2 | 3 | 3 | 7 | 2 | 2 | 4 | 0 | 2 | Yes | 3 | -2 | No | Yes |
| H81 | 280 | 0 | 4 | 3 | 3 | 2 | 4 | 3 | 4 | 10 | 4 | 4 | 2 | 0 | 0 | Yes | 7 | 1 | Yes | Yes |
| H82 | 278 | 0 | 4 | 3 | 3 | 0 | 1 | 2 | 3 | 7 | 4 | 2 | 3 | 0 | 0 | Yes | 5 | -2 | Yes | Yes |
| H83 | 118 | 0 | 3 | 3 | 3 | 0 | 1 | 2 | 4 | 5 | 4 | 2 | 4 | 0 | 0 | No | 5 | 2 | No | Yes |
| H84 | 152 | 0 | 3 | 4 | 3 | 0 | 2 | 2 | 3 | 7 | 2 | 2 | 2 | 0 | 0 | Yes | 5 | 3 | No | Yes |
| H85 | 30 | 0 | 3 | 2 | 1 | 0 | 4 | 1 | 3 | 8 | 4 | 3 | 4 | 0 | 0 | Yes | 5 | -2 | No | Yes |
| H86A | 99 | 0 | 3 | 3 | 2 | 0 | 2 | 2 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | Yes | 4 | 3+ | No | Yes |
| H86B | 82 | 0 | 3 | 3 | 2 | 0 | 0 | 2 | 4 | 6 | 2 | 2 | 4 | 0 | 0 | Yes | 6 | 3+ | Yes | Yes |

| HEDGEROW NUMBER | LENGTH (M) | RECENT | HEIGHT | WIDTH | CROSS-SECTION | MATURE PER 100M | YOUNG PER 100M | NO. GAPS | NO. CONNECTIONS | NO. WOODY SPECIES | NATIVE DOMINANCE | WOODY SPECIES | BANK | DITCH | VERGE | SCHEDULE 3 WOODLAND SPECIES AS A QUALIFYING FEATURE | AVERAGE NUMBER OF SPECIES PER 30M SECTION | HEGS | REGS | CORNISH HEDGE |
|-----------------|------------|--------|--------|-------|---------------|-----------------|----------------|----------|-----------------|-------------------|------------------|---------------|------|-------|-------|---|---|------|------|---------------|
| H86C | 71 | 0 | 3 | 3 | 2 | 0 | 0 | 2 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | Yes | 4 | 3+ | No | Yes |
| H87 | 142 | 0 | 4 | 3 | 3 | 0 | 2 | 3 | 2 | 8 | 4 | 3 | 2 | 0 | 0 | Yes | 7 | -2 | Yes | Yes |
| H88 | 135 | 0 | 4 | 3 | 3 | 0 | 0 | 3 | 4 | 7 | 4 | 2 | 2 | 0 | 0 | Yes | 4 | 2 | No | Yes |
| H89 | 145 | 0 | 3 | 2 | 3 | 0 | 1 | 2 | 3 | 6 | 2 | 2 | 3 | 0 | 0 | Yes | 5 | 3 | No | Yes |
| H90 | 68 | 0 | 4 | 3 | 3 | 0 | 2 | 4 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | No | 3 | -2 | No | No |
| H91 | 68 | 0 | 4 | 3 | 3 | 4 | 0 | 3 | 4 | 9 | 4 | 3 | 3 | 0 | 0 | Yes | 6 | -1 | Yes | Yes |
| H92 | 128 | 0 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 9 | 4 | 3 | 2 | 2 | 2 | Yes | 9 | -1 | Yes | Yes |
| H93 | 119 | 0 | 3 | 4 | 4 | 2 | 4 | 2 | 3 | 9 | 4 | 3 | 0 | 0 | 0 | Yes | 6 | -1 | Yes | No |
| H94 | 154 | 0 | 4 | 3 | 3 | 1 | 4 | 3 | 4 | 8 | 4 | 3 | 4 | 3 | 2 | Yes | 7 | 1 | Yes | Yes |
| H95 | 92 | 0 | 3 | 2 | 2 | 0 | 2 | 3 | 3 | 5 | 2 | 2 | 3 | 0 | 0 | Yes | 4 | 3+ | No | Yes |
| H96 | 85 | 0 | 3 | 2 | 2 | 0 | 2 | 4 | 3 | 5 | 2 | 2 | 3 | 0 | 0 | Yes | 5 | -2 | No | Yes |
| H97 | 144 | 0 | 3 | 3 | 3 | 0 | 1 | 3 | 4 | 8 | 4 | 3 | 2 | 0 | 2 | Yes | 7 | 2+ | Yes | Yes |
| H98 | 72 | 0 | 3 | 3 | 3 | 0 | 0 | 4 | 3 | 4 | 4 | 1 | 2 | 0 | 2 | Yes | 4 | -2 | No | Yes |
| H99 | 90 | 0 | 3 | 4 | 4 | 0 | 0 | 4 | 4 | 6 | 4 | 2 | 4 | 0 | 0 | Yes | 6 | 2 | No | Yes |
| H100 | 155 | 0 | 3 | 3 | 3 | 0 | 2 | 2 | 3 | 6 | 4 | 2 | 3 | 0 | 2 | Yes | 4 | -2 | No | Yes |
| H101 | 116 | 0 | 2 | 2 | 3 | 0 | 0 | 2 | 4 | 8 | 4 | 3 | 2 | 2 | 2 | No | 4 | 2 | No | Yes |
| H102 | 187 | 0 | 3 | 3 | 3 | 0 | 4 | 3 | 3 | 7 | 4 | 2 | 4 | 0 | 0 | Yes | 4 | -1 | No | Yes |
| H103 | 111 | 0 | 2 | 1 | 2 | 0 | 0 | 4 | 3 | 3 | 2 | 1 | 0 | 0 | 2 | No | 1 | -3 | No | No |
| H104 | 80 | 0 | 3 | 3 | 3 | 0 | 0 | 4 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | Yes | 4 | -2 | No | Yes |
| H105 | 190 | 0 | 2 | 2 | 3 | 0 | 0 | 4 | 2 | 2 | 2 | 1 | 4 | 0 | 2 | No | 2 | -2 | No | Yes |
| H106 | 300 | 0 | 3 | 2 | 3 | 0 | 0 | 4 | 3 | 9 | 2 | 3 | 4 | 0 | 0 | Yes | 6 | -2 | Yes | Yes |
| H179 | 226 | 0 | 2 | 2 | 3 | 0 | 0 | 4 | 3 | 3 | 2 | 1 | 4 | 0 | 0 | No | 3 | -2 | No | Yes |
| H107 | 131 | 0 | 3 | 2 | 2 | 0 | 1 | 2 | 4 | 6 | 4 | 2 | 0 | 0 | 2 | Yes | 6 | 2 | No | No |
| H108 | 117 | 0 | 4 | 3 | 3 | 0 | 3 | 1 | 4 | 8 | 4 | 3 | 3 | 0 | 2 | Yes | 5 | -1 | No | Yes |
| H109 | 108 | 0 | 3 | 2 | 3 | 1 | 3 | 2 | 4 | 5 | 2 | 2 | 3 | 0 | 0 | Yes | 5 | 3+ | No | Yes |
| H110 | 174 | 0 | 2 | 4 | 4 | 0 | 0 | 1 | 4 | 4 | 2 | 1 | 3 | 0 | 0 | No | 4 | 3 | No | Yes |
| H111 | 90 | 0 | 3 | 2 | 3 | 0 | 0 | 3 | 4 | 5 | 2 | 2 | 3 | 0 | 0 | Yes | 4 | -2 | No | Yes |
| H112 | 55 | 0 | 3 | 3 | 3 | 0 | 2 | 3 | 3 | 5 | 4 | 2 | 3 | 0 | 0 | No | 5 | 2 | No | Yes |
| H113 | 222 | 0 | 2 | 3 | 3 | 0 | 3 | 2 | 3 | 5 | 4 | 2 | 2 | 0 | 0 | Yes | 3 | -2 | No | Yes |
| H114 | 98 | 0 | 4 | 3 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | 1 | 3 | 0 | 0 | Yes | 3 | 2+ | No | Yes |
| H115 | 117 | 0 | 3 | 3 | 1 | 0 | 1 | 1 | 2 | 6 | 4 | 2 | 3 | 0 | 2 | Yes | 4 | 3+ | No | Yes |
| H116 | 33 | 0 | 4 | 3 | 3 | 3 | 0 | 2 | 4 | 5 | 4 | 2 | 3 | 0 | 0 | Yes | 5 | -1 | Yes | Yes |
| H117 | 65 | 0 | 3 | 3 | 3 | 2 | 0 | 3 | 4 | 6 | 4 | 2 | 2 | 0 | 0 | Yes | 5 | 2 | Yes | Yes |
| H118 | 60 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 4 | 2 | 3 | 4 | 0 | Yes | 5 | -1 | Yes | Yes |
| H119 | 485 | 0 | 2 | 2 | 2 | 1 | 1 | 1 | 4 | 7 | 2 | 2 | 3 | 0 | 0 | Yes | 4 | 3 | No | Yes |
| H120 | 445 | 0 | 2 | 3 | 2 | 0 | 1 | 2 | 3 | 7 | 2 | 2 | 3 | 0 | 0 | Yes | 3 | 3 | No | Yes |
| H121 | 133 | 0 | 4 | 2 | 3 | 0 | 3 | 3 | 3 | 5 | 4 | 2 | 0 | 0 | 0 | Yes | 4 | 2 | No | No |
| H122 | 95 | 0 | 4 | 2 | 3 | 2 | 0 | 3 | 3 | 5 | 4 | 2 | 0 | 0 | 0 | Yes | 4 | 2 | No | No |
| H123 | 236 | 0 | 2 | 2 | 2 | 0 | 0 | 3 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | No | 3 | 4 | No | No |
| H124 | 280 | 0 | 4 | 2 | 1 | 2 | 0 | 2 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | No | 2 | 3 | No | No |
| H125 | 121 | 0 | 4 | 2 | 1 | 0 | 1 | 1 | 1 | 7 | 4 | 2 | 2 | 0 | 0 | No | 4 | 3+ | No | Yes |
| H126 | 129 | 0 | 2 | 3 | 3 | 4 | 0 | 2 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | Yes | 3 | 3 | No | No |
| H127 | 46 | 0 | 4 | 3 | 3 | 0 | 0 | 1 | 2 | 4 | 4 | 1 | 2 | 0 | 0 | Yes | 3 | 3 | No | Yes |
| H128 | 88 | 0 | 3 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | Yes | 1 | -4 | No | No |
| H129 | 148 | 0 | 2 | 3 | 3 | 0 | 0 | 1 | 3 | 5 | 2 | 2 | 2 | 0 | 0 | No | 4 | 3 | No | Yes |
| H130 | 200 | 0 | 3 | 4 | 4 | 0 | 0 | 3 | 4 | 3 | 2 | 1 | 2 | 0 | 0 | No | 3 | -2 | No | Yes |
| H131 | 102 | 0 | 4 | 3 | 3 | 0 | 1 | 2 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | Yes | 3 | 3 | No | No |

| HEDGEROW NUMBER | LENGTH (M) | RECENT | HEIGHT | WIDTH | CROSS-SECTION | MATURE PER 100M | YOUNG PER 100M | NO. GAPS | NO. CONNECTIONS | NO. WOODY SPECIES | NATIVE DOMINANCE | WOODY SPECIES | BANK | DITCH | VERGE | SCHEDULE 3 WOODLAND SPECIES AS A QUALIFYING FEATURE | AVERAGE NUMBER OF SPECIES PER 30M SECTION | HEGS | REGS | CORNISH HEDGE |
|-----------------|------------|--------|--------|-------|---------------|-----------------|----------------|----------|-----------------|-------------------|------------------|---------------|------|-------|-------|---|---|------|------|---------------|
| H132 | 72 | 0 | 3 | 3 | 2 | 0 | 0 | 1 | 4 | 3 | 4 | 1 | 2 | 0 | 0 | Yes | 3 | 3+ | No | Yes |
| H133 | 102 | 0 | 4 | 2 | 3 | 0 | 0 | 3 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | No | 1 | 3+ | No | No |
| H134 | 456 | 0 | 4 | 2 | 3 | 0 | 0 | 3 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | No | 1 | 3+ | No | No |
| H135 | 198 | 0 | 4 | 3 | 4 | 0 | 0 | 3 | 3 | 7 | 2 | 2 | 4 | 0 | 0 | Yes | 4 | 3+ | No | Yes |
| H136 | 175 | 0 | 3 | 3 | 4 | 2 | 0 | 3 | 4 | 5 | 4 | 2 | 3 | 0 | 0 | Yes | 5 | 2 | Yes | Yes |
| H137 | 130 | 0 | 4 | 3 | 4 | 0 | 0 | 1 | 3 | 5 | 2 | 2 | 4 | 0 | 0 | Yes | 5 | 3 | No | Yes |
| H138 | 66 | 0 | 3 | 3 | 2 | 0 | 0 | 1 | 3 | 4 | 2 | 1 | 3 | 0 | 0 | No | 4 | 3 | No | Yes |
| H139 | 126 | 0 | 4 | 3 | 3 | 3 | 0 | 3 | 3 | 4 | 4 | 1 | 0 | 0 | 0 | Yes | 4 | 2+ | No | No |
| H140 | 565 | 0 | 3 | 4 | 4 | 0 | 0 | 1 | 3 | 5 | 2 | 2 | 4 | 0 | 0 | No | 4 | 3 | No | Yes |
| H141 | 140 | 0 | 4 | 3 | 3 | 0 | 4 | 2 | 2 | 6 | 2 | 2 | 0 | 0 | 0 | Yes | 3 | 2 | No | No |
| H142 | 130 | 0 | 4 | 3 | 3 | 0 | 4 | 2 | 0 | 2 | 2 | 1 | 0 | 0 | 2 | Yes | 2 | -2 | No | No |
| H143 | 77 | 0 | 3 | 3 | 3 | 0 | 0 | 2 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | Yes | 4 | 3 | No | No |
| H144 | 40 | 0 | 3 | 2 | 2 | 0 | 0 | 1 | 1 | 3 | 2 | 1 | 4 | 0 | 0 | No | 3 | -3 | No | Yes |
| H145 | 515 | 0 | 4 | 4 | 3 | 0 | 2 | 2 | 4 | 9 | 4 | 3 | 0 | 0 | 0 | No | 4 | -1 | No | No |
| H146 | 120 | 0 | 3 | 3 | 2 | 0 | 0 | 1 | 2 | 5 | 2 | 2 | 0 | 0 | 0 | No | 3 | -3 | No | No |
| H147 | 144 | 0 | 3 | 2 | 1 | 0 | 0 | 1 | 2 | 3 | 2 | 1 | 2 | 0 | 0 | No | 2 | -4 | No | Yes |
| H148 | 215 | 0 | 3 | 2 | 3 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 4 | 0 | 0 | Yes | 2 | -3 | No | Yes |
| H149 | 88 | 0 | 3 | 2 | 3 | 0 | 2 | 3 | 0 | 7 | 2 | 2 | 4 | 0 | 0 | Yes | 4 | -3 | No | Yes |
| H150 | 155 | 0 | 2 | 1 | 2 | 0 | 2 | 1 | 2 | 4 | 2 | 1 | 0 | 2 | 0 | No | 3 | -3 | No | No |
| H151 | 210 | 0 | 3 | 3 | 3 | 0 | 2 | 2 | 4 | 6 | 2 | 2 | 3 | 0 | 0 | No | 4 | 3+ | No | Yes |
| H152 | 142 | 0 | 2 | 2 | 2 | 1 | 1 | 2 | 4 | 10 | 4 | 4 | 4 | 0 | 0 | Yes | 5 | 2+ | No | Yes |
| H159 | 230 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 3 | 4 | 2 | 1 | 4 | 0 | 0 | Yes | 3 | 4 | No | Yes |
| H160 | 246 | 0 | 4 | 3 | 3 | 2 | 1 | 2 | 4 | 11 | 2 | 4 | 4 | 0 | 0 | Yes | 5 | -1 | Yes | Yes |
| H161 | 138 | 0 | 4 | 3 | 3 | 0 | 2 | 3 | 3 | 9 | 4 | 3 | 4 | 0 | 1 | Yes | 5 | 2 | Yes | Yes |
| H162 | 295 | 0 | 4 | 3 | 3 | 0 | 1 | 3 | 3 | 8 | 4 | 3 | 4 | 0 | 0 | Yes | 5 | 2 | Yes | Yes |
| H163 | 100 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 4 | 4 | 2 | 1 | 4 | 0 | 0 | No | 4 | 4 | No | Yes |
| H164 | 386 | 0 | 3 | 3 | 3 | 0 | 2 | 3 | 4 | 9 | 4 | 3 | 4 | 0 | 0 | Yes | 6 | 2+ | Yes | Yes |
| H165 | 220 | 0 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 7 | 2 | 2 | 3 | 0 | 0 | Yes | 6 | 3+ | Yes | Yes |
| H166 | 92 | 0 | 4 | 3 | 2 | 0 | 0 | 3 | 3 | 7 | 2 | 2 | 2 | 0 | 0 | Yes | 5 | 3+ | No | Yes |
| H167 | 137 | 0 | 4 | 3 | 2 | 1 | 0 | 4 | 4 | 10 | 2 | 4 | 2 | 0 | 0 | Yes | 5 | 2 | Yes | Yes |
| H168 | 121 | 0 | 3 | 1 | 4 | 3 | 0 | 1 | 3 | 5 | 2 | 2 | 2 | 0 | 0 | Yes | 5 | 3 | No | Yes |
| H169 | 85 | 0 | 4 | 4 | 4 | 0 | 0 | 3 | 4 | 7 | 2 | 2 | 0 | 0 | 0 | Yes | 6 | -2 | No | No |
| H170 | 123 | 0 | 4 | 4 | 4 | 0 | 3 | 3 | 3 | 7 | 2 | 2 | 0 | 0 | 0 | Yes | 6 | 2+ | No | No |
| H171 | 88 | 0 | 3 | 3 | 3 | 2 | 0 | 4 | 4 | 4 | 2 | 1 | 0 | 0 | 0 | No | 4 | -2 | No | No |
| H172 | 92 | 0 | 3 | 3 | 4 | 0 | 3 | 4 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | No | 4 | 2+ | No | No |
| H173 | 66 | 0 | 2 | 3 | 4 | 0 | 3 | 4 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | No | 4 | 3+ | No | No |
| H174 | 62 | 0 | 3 | 2 | 4 | 0 | 0 | 4 | 4 | 4 | 2 | 1 | 3 | 0 | 0 | No | 4 | -2 | No | Yes |
| H175 | 70 | 0 | 3 | 2 | 4 | 0 | 4 | 4 | 3 | 4 | 2 | 1 | 3 | 0 | 0 | No | 4 | 2+ | No | Yes |
| H176 | 80 | 0 | 3 | 3 | 4 | 0 | 2 | 3 | 2 | 4 | 2 | 1 | 2 | 0 | 0 | Yes | 4 | 3 | No | Yes |
| H177 | 80 | 0 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 2 | 1 | 3 | 0 | 0 | Yes | 4 | 2+ | No | Yes |
| H178 | 94 | 0 | 3 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 2 | 1 | 3 | 0 | 0 | Yes | 4 | 2+ | No | Yes |

Appendix B

SURVEY SHEETS AND HEGS ASSESSMENT CRITERIA

Appendix C

HEDGE RECORD AND EVALUATION SHEETS AND SCORING MATRIX AS PREPARED BY THE HEDGEROW EVALUATION AND GRADING SYSTEM

HEDGE RECORD AND EVALUATION SHEET

HEDGE NO. :

1 Recently laid or coppiced YES NO (If yes, score 7 and ignore criteria 2 to 4 below)

SCORE -> 1 2 3 4

| | | | | |
|-------------------------|------|------|------|-----|
| 2 Height (exclude bank) | 0-1m | 1-2m | 2-4m | 4m+ |
| 3 Width | 0-1m | 1-2m | 2-3m | 3m+ |
| 4 Average Cross-Section | | | | |

5 STANDARD TREES
Species present:
No. of mature trees/pollards:
No. of young trees:

6 Length: m

| | | | | | |
|-------------------------|------------------------------|----|-----|-----|----|
| 7 Mature Standards/100m | <input type="checkbox"/> nil | <1 | 1-3 | 3-5 | >5 |
| 8 Young Standards/100m | <input type="checkbox"/> nil | <1 | 1-3 | 3-5 | >5 |

STRUCTURAL SCORE

9 Percentage Gaps nil

| | | | | | |
|---------------------------|------------------------------|------|--------|-------|---------|
| 10 No. of End Connections | <input type="checkbox"/> nil | 30%+ | 30-10% | 10-0% | no gaps |
| | | 1 | 2 | 3 | 4+ |

CONNECTIVITY SCORE

11 HEDGE CANOPY SPECIES
Species present:
Combined total of tree and shrub species:

12 Native Species Dominant nil 1-2 spp mixed

13 Total No. of Tree & Shrub Spp. 1-4 5-7 8-9 10+

DIVERSITY SCORE

14 Hedgebank/Lynchet nil

15 Ditch nil

16 Grass Verge (2m+ wide) nil

| | | |
|-----------|--------|------------|
| 0-1/2m | 1/2-1m | 1m+ |
| | | |
| on 1 side | | on 2 sides |

ASSOCIATED FEATURES SCORE

17 NOTES
Ground flora & Climbers:

18 Notable Species present

| | | | |
|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| <input type="checkbox"/> Pop nig | <input type="checkbox"/> Tid cor | <input type="checkbox"/> Pyr cor | Yes <input type="checkbox"/> (NS) |
| <input type="checkbox"/> Sor sor | <input type="checkbox"/> Tid pla | <input type="checkbox"/> other | |

new hedge track/roadside

old laid fence/wall

unmanaged parish boundary

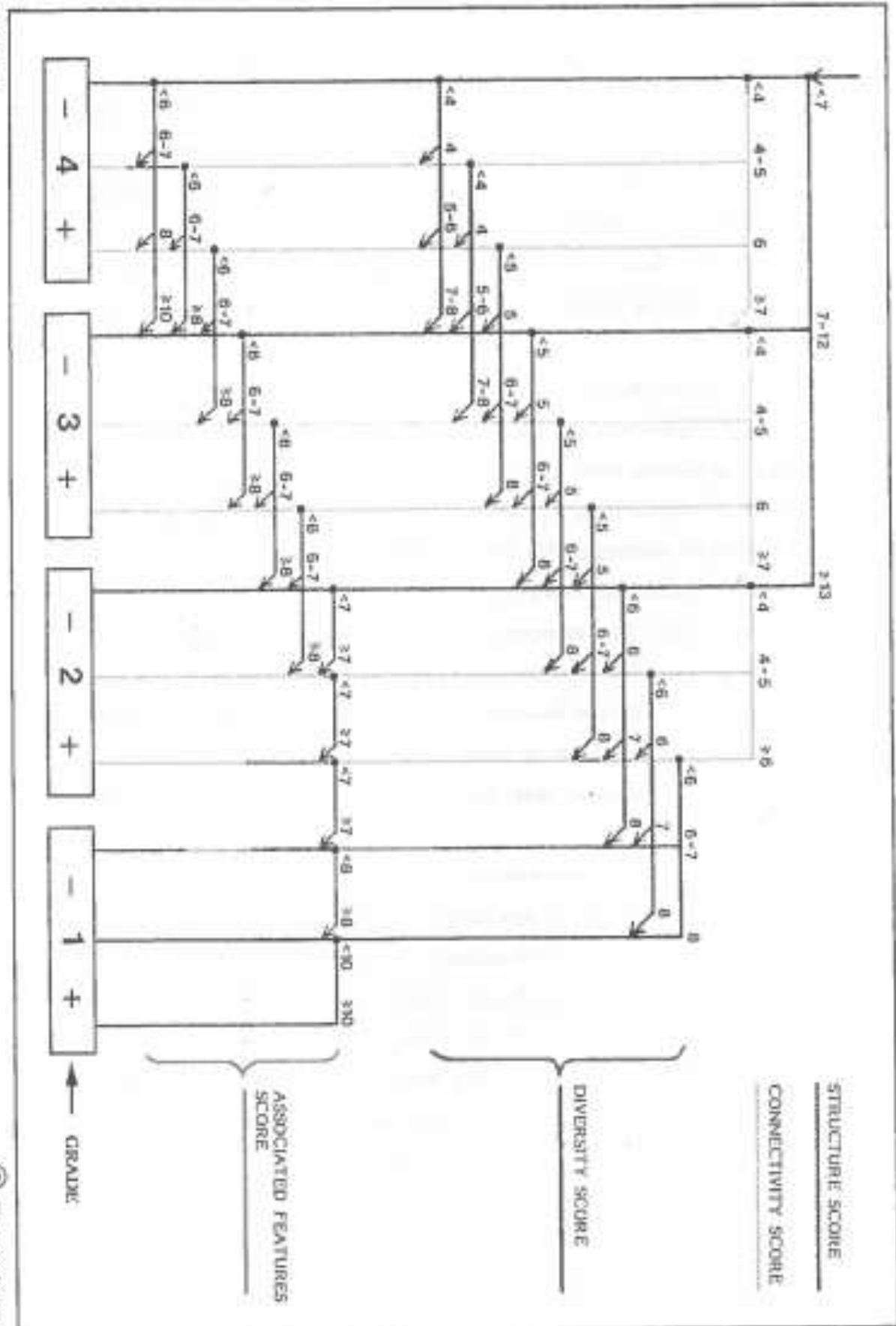
cut/trimmed garden boundary

Site:

Date:

Surveyor:

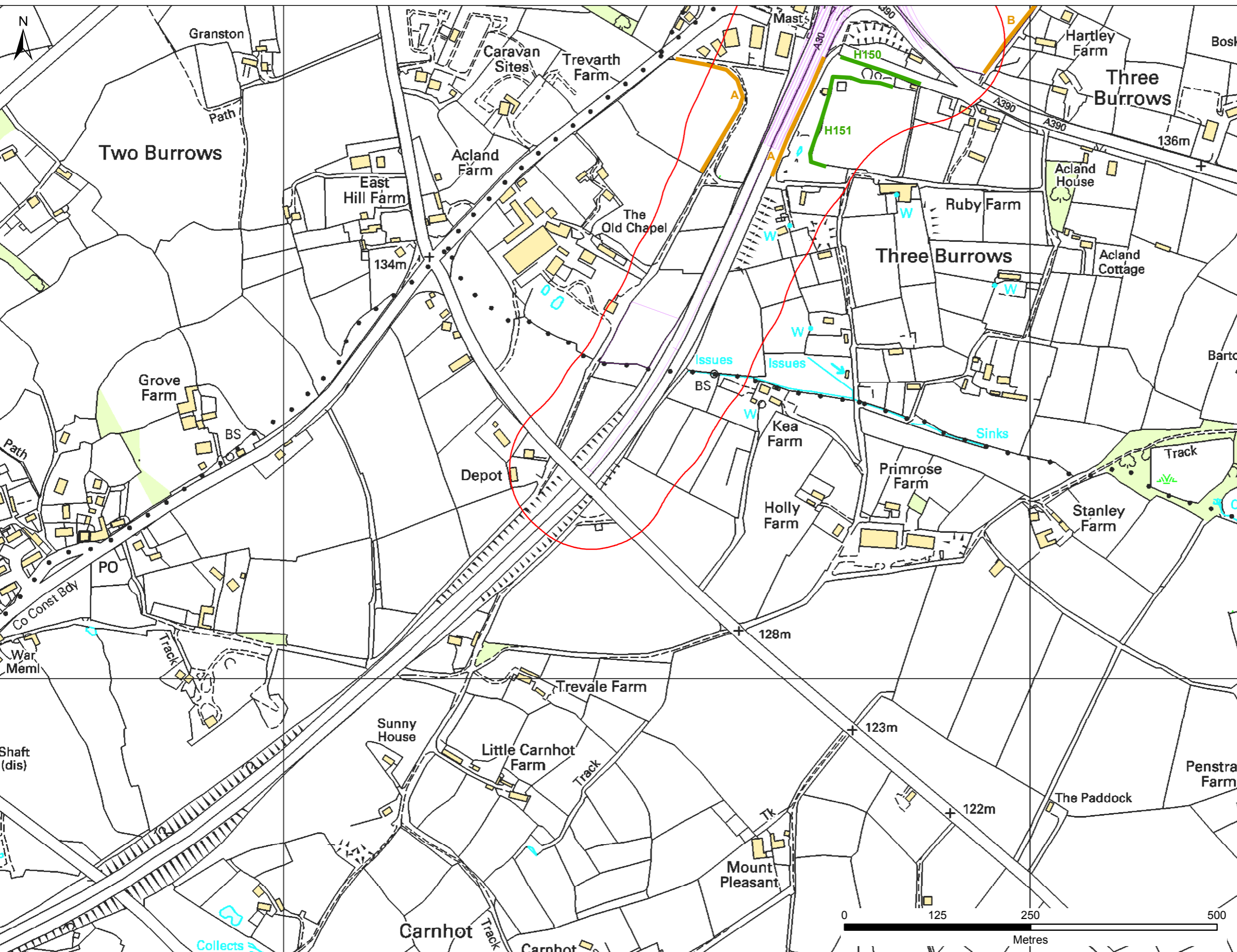
FIG. 17



Appendix D

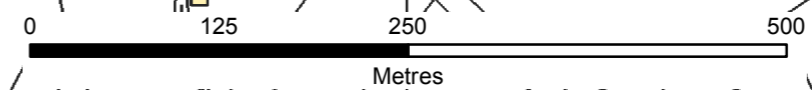
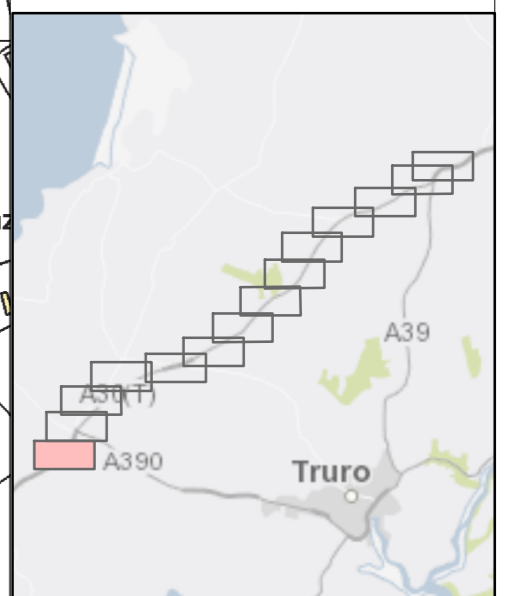
FIGURES

File Name: \\uk.wspgroup.com\central_data\Projects\70004xxx\70004582 - A30 Chiverton to Carland Cross PCF Stage 2\E Models and Drawings\GIS\Third Party\Ben Smith 20-09-17\Hedgerow\Figure 1 - Hedgerow survey Results.mxd
 Plot Date: 03/11/2017
 Login: DeSouzaJ



- Option 7A
- 100m Buffer
- Hedgerow
- Important Hedgerows under the Hedgerow Regulations
- Un-vegetated Cornish Hedges
- A Scrub topped Cornish Hedge
- B Grass topped Cornish Hedge
- C Bracken topped Cornish Hedge

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| Rev | Date | Description | By | Chk | App | Notes |
|-----|------|-------------|----|-----|-----|-------|
| | | | | | | |

Kings Orchard,
 1 Queen Street, Bristol
 BS2 0HQ
 Tel: 44-(0)117-930-6200

Client:

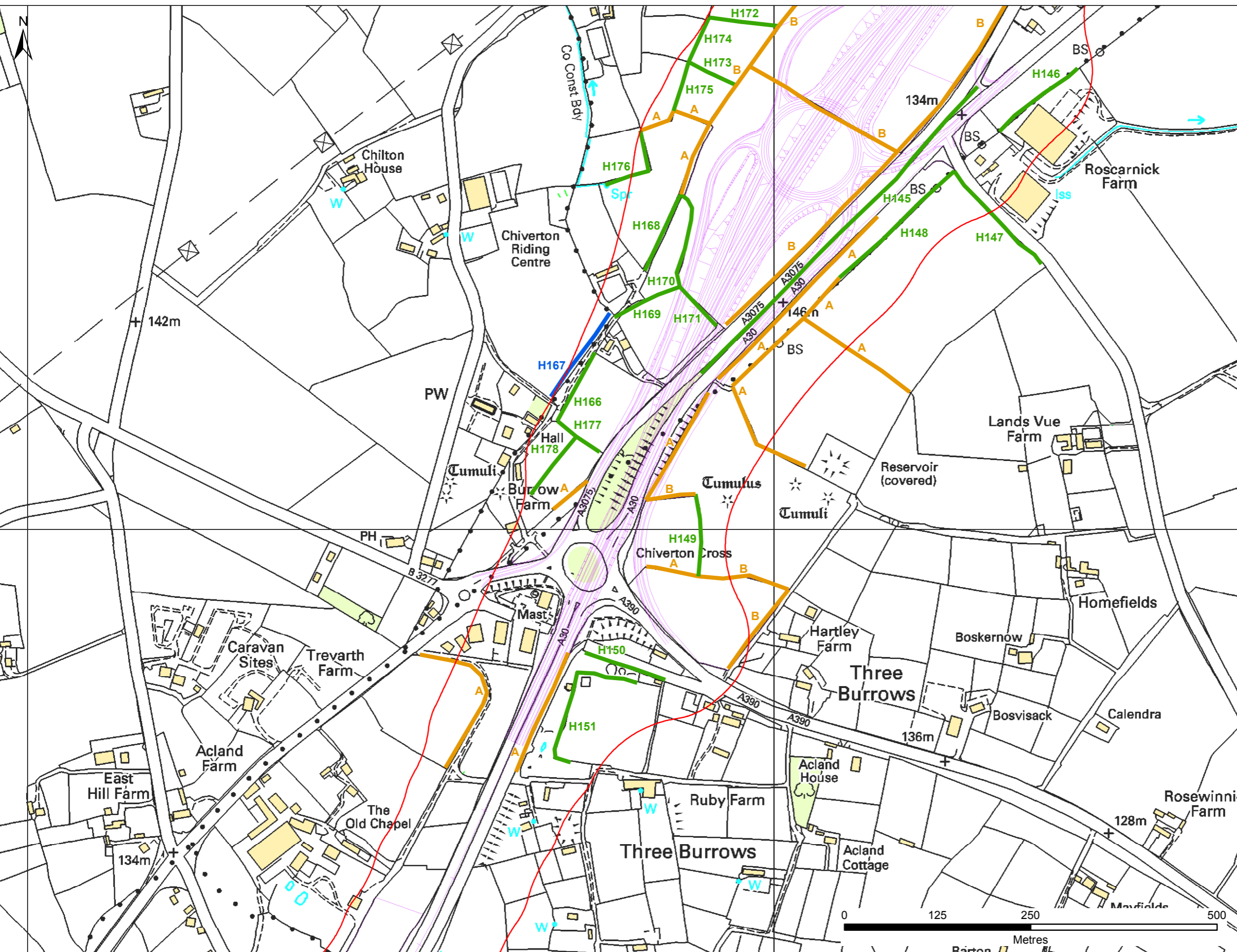
Project: **A30 CHIVERTON TO CARLAND CROSS**

Title: **HEDGEROW SURVEY RESULTS**
 PAGE 1 OF 14

| | |
|--------------------------|--------------------------|
| Drawn: BS | Checked: PK |
| Designed: BL | Approved: UD |
| Date: 03/11/2017 | Scale: 1:5,000 A3 Sheet: |
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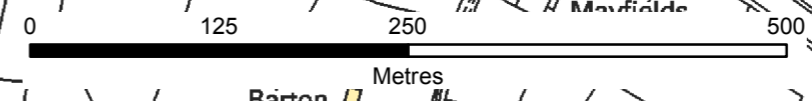
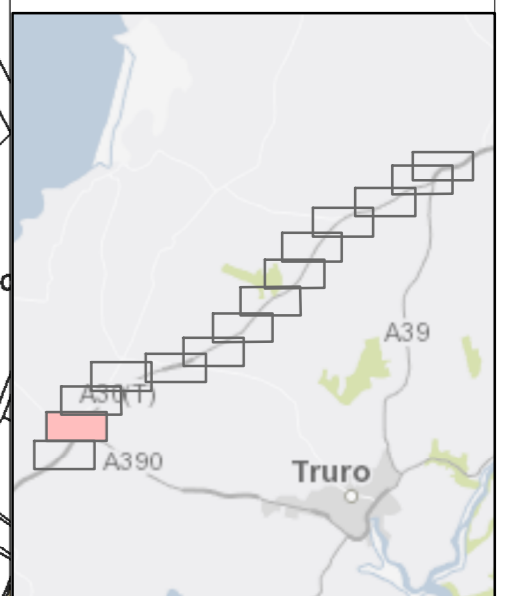
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 Plot Date: 03/11/2017 Login: DeSouza.J



- Option 7A
- 100m Buffer
- Hedgerow
- Important Hedgerows under the Hedgerow Regulations
- Un-vegetated Cornish Hedges
- A Scrub topped Cornish Hedge
- B Grass topped Cornish Hedge
- C Bracken topped Cornish Hedge

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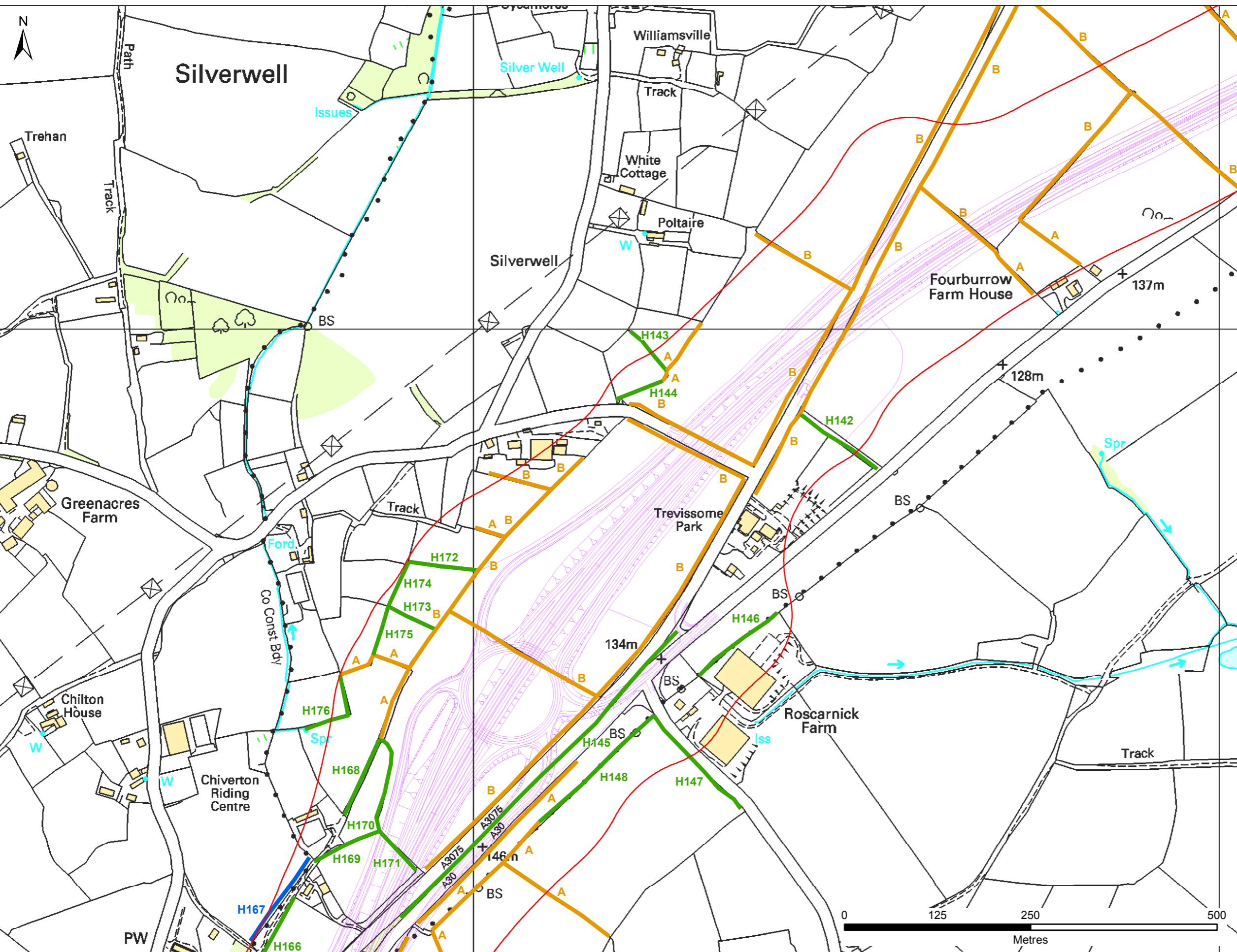
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Title: **HEDGEROW SURVEY RESULTS**
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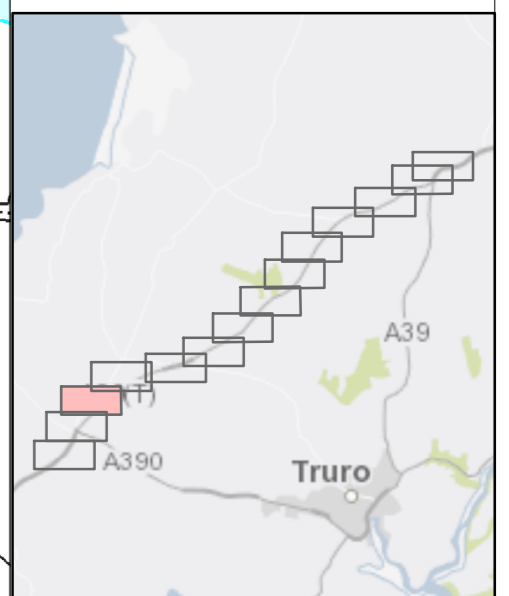
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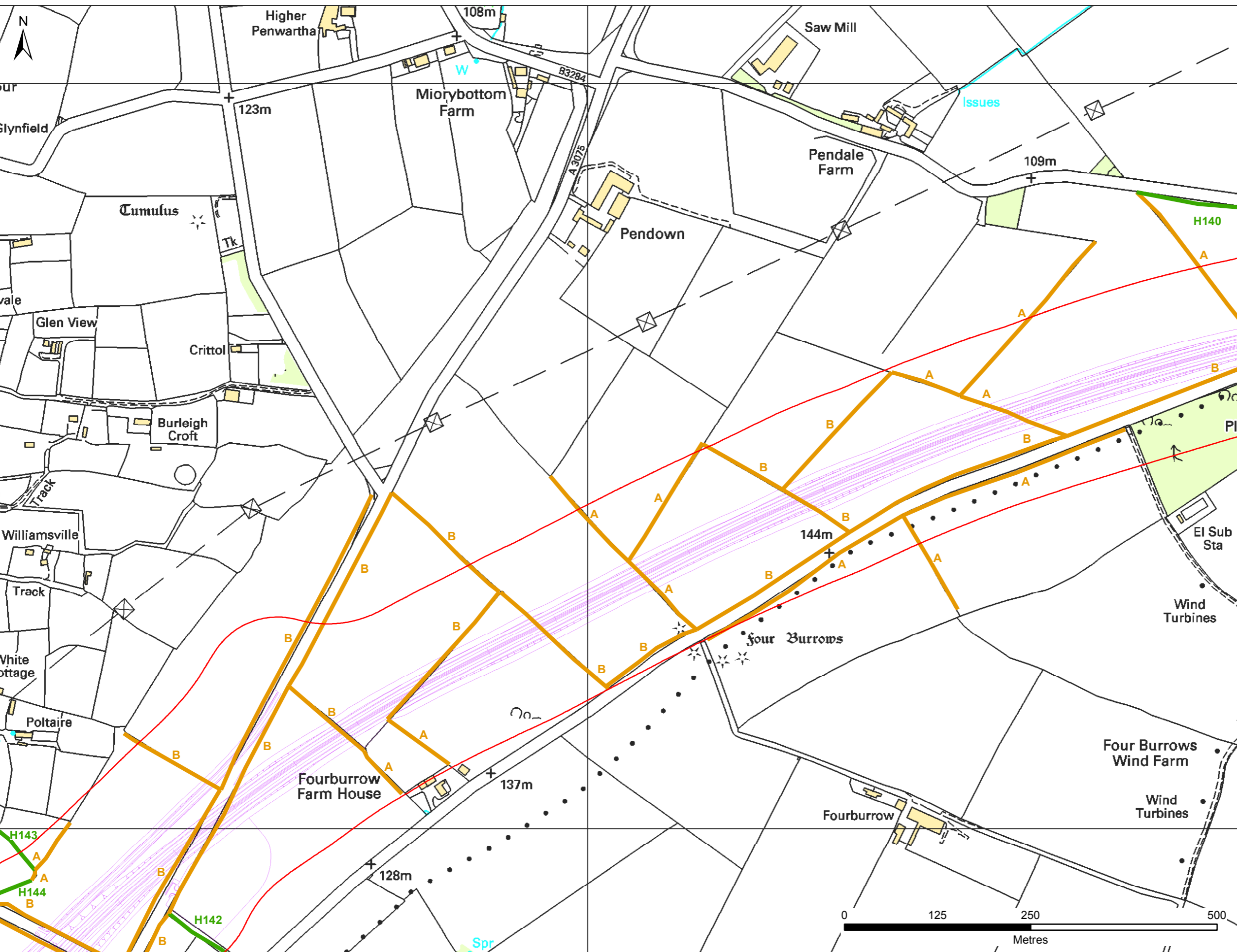
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Title: **HEDGEROW SURVEY RESULTS**
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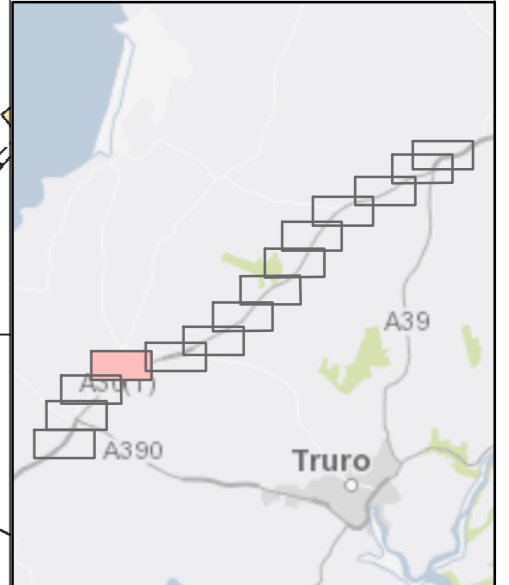
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-  Option 7A
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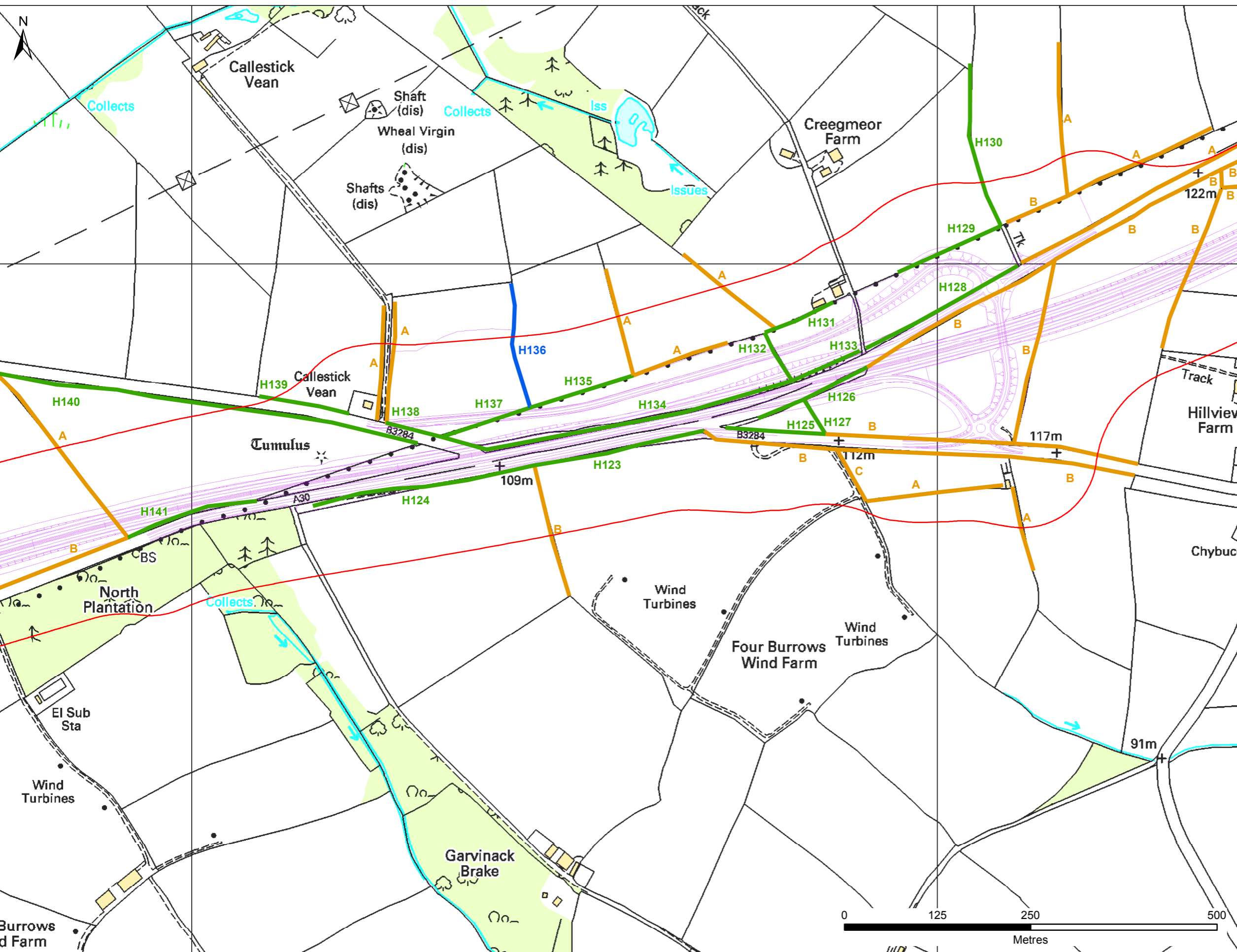
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Title: **HEDGEROW SURVEY RESULTS**
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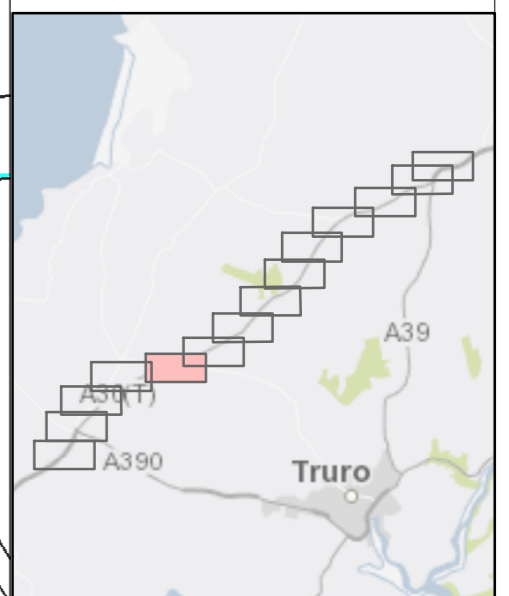
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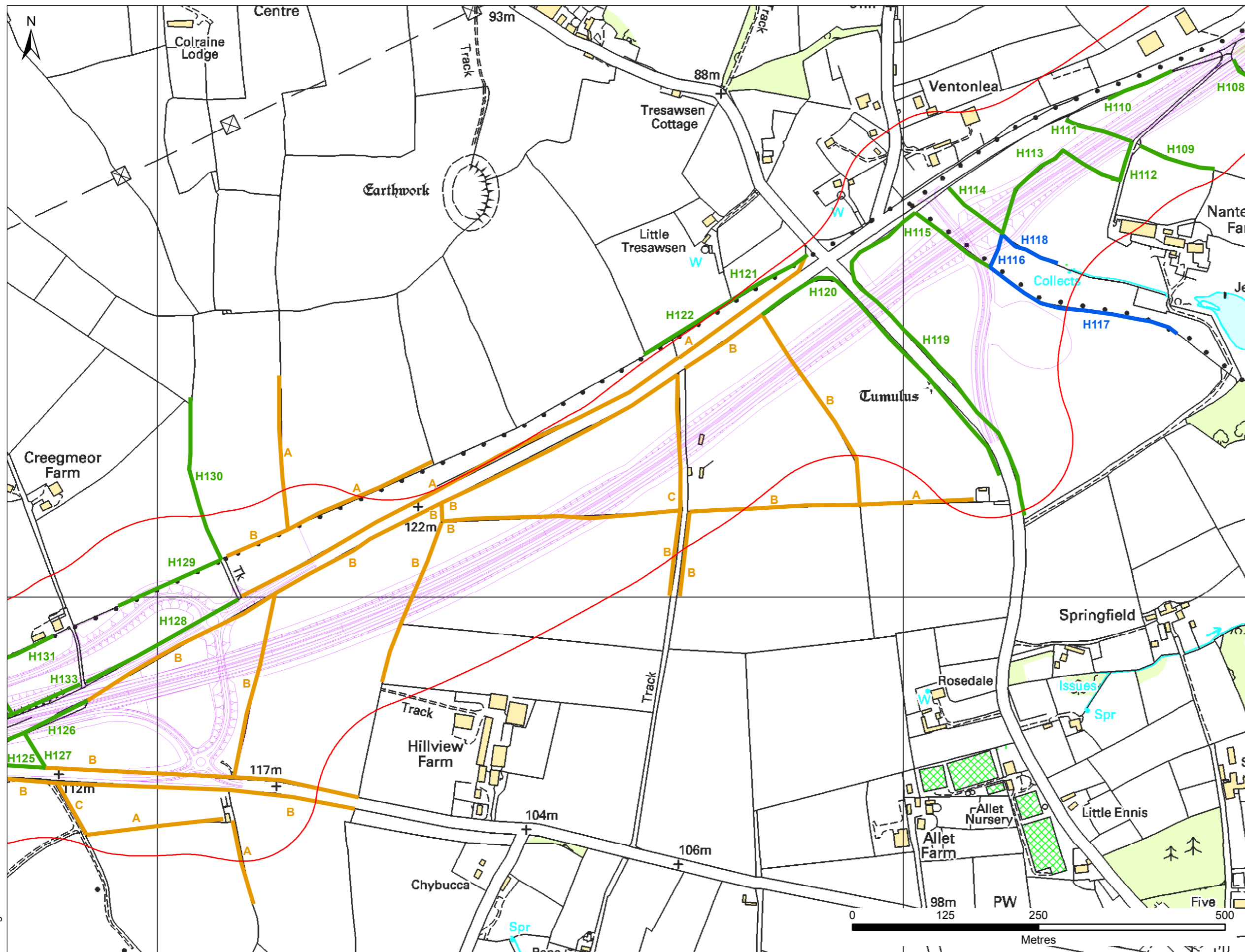
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Title: **HEDGEROW SURVEY RESULTS**
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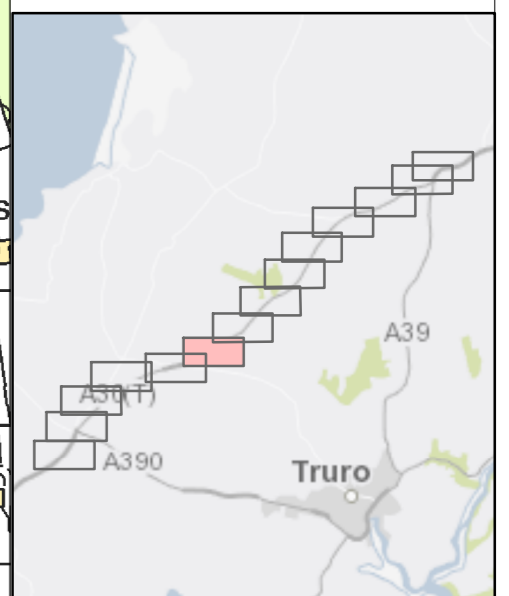
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- Option 7A
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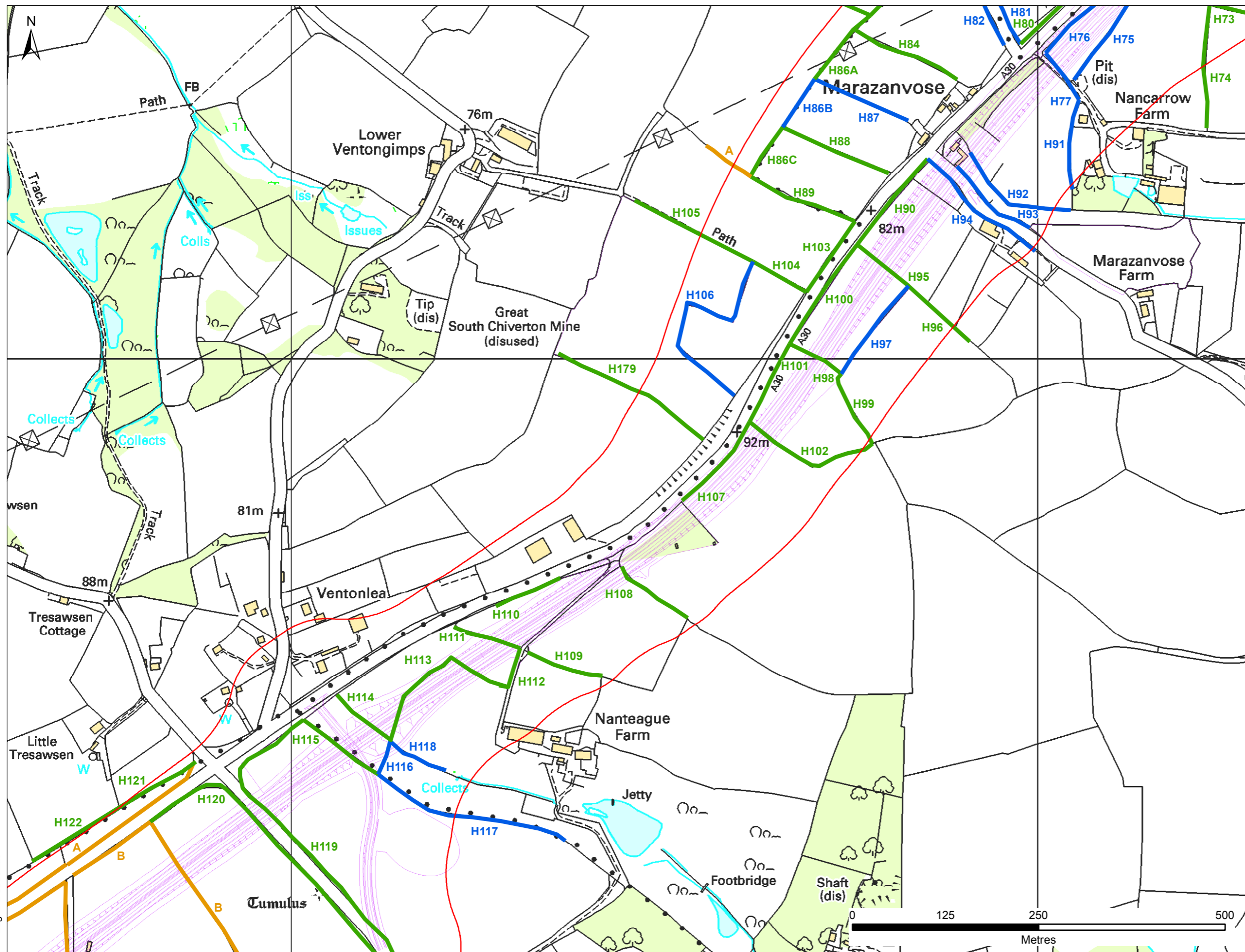
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Title: **HEDGEROW SURVEY RESULTS**
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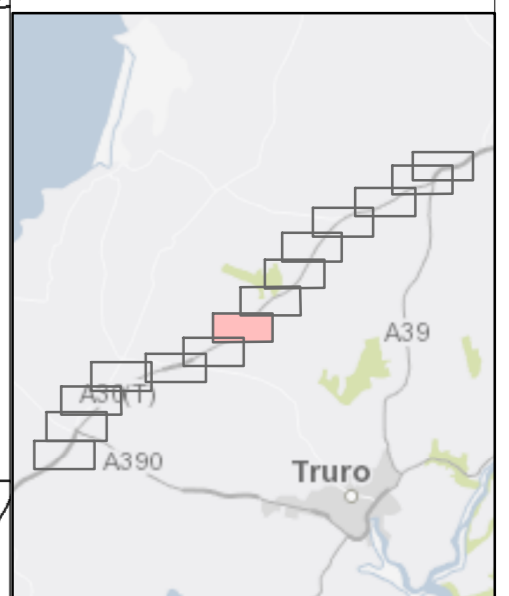
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- Option 7A
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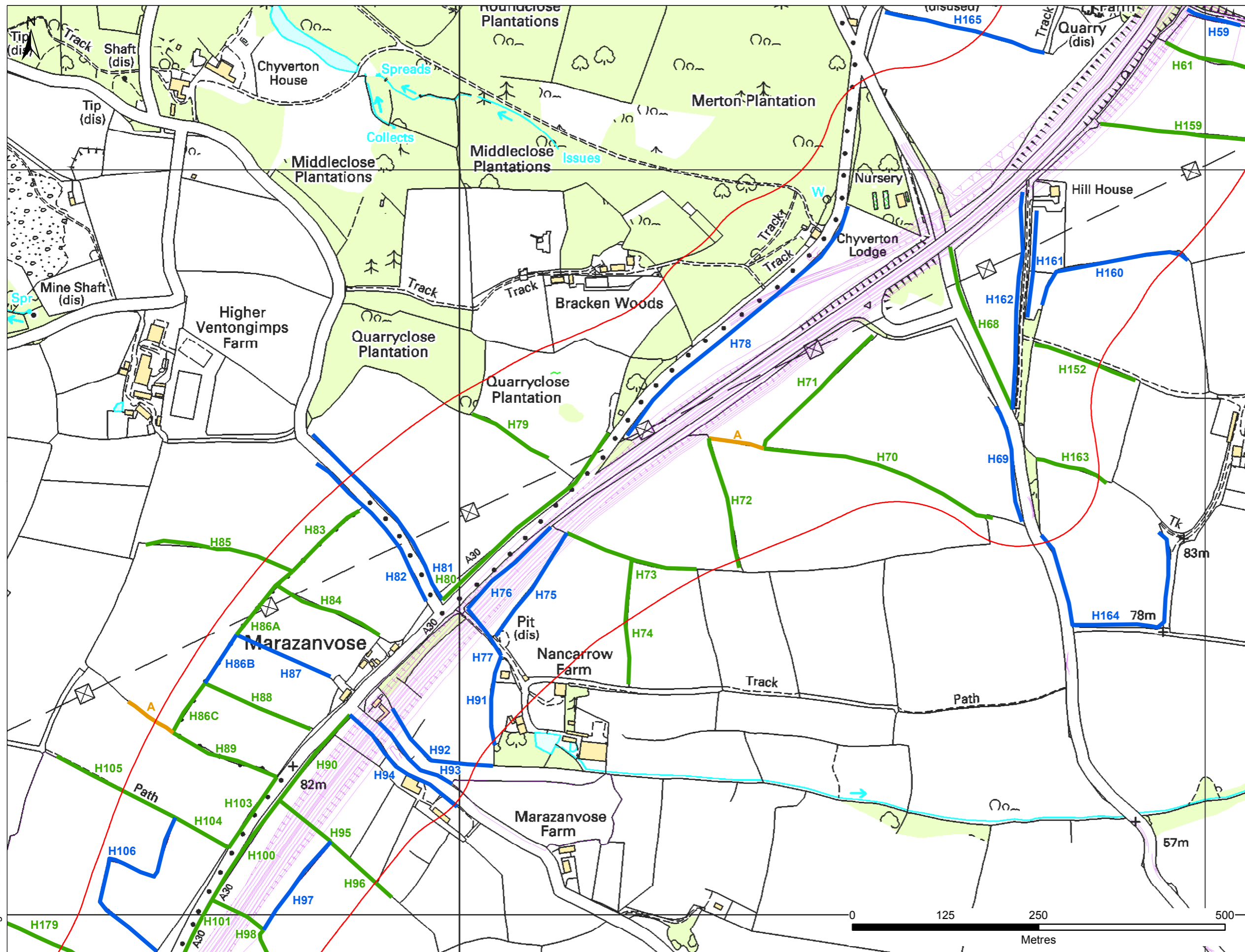
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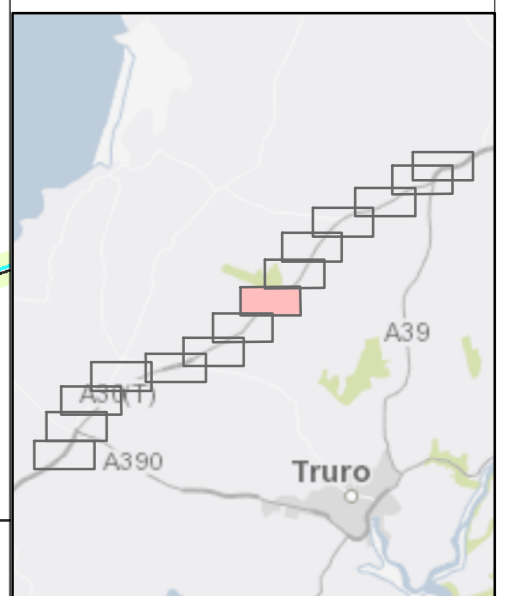
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- Option 7A
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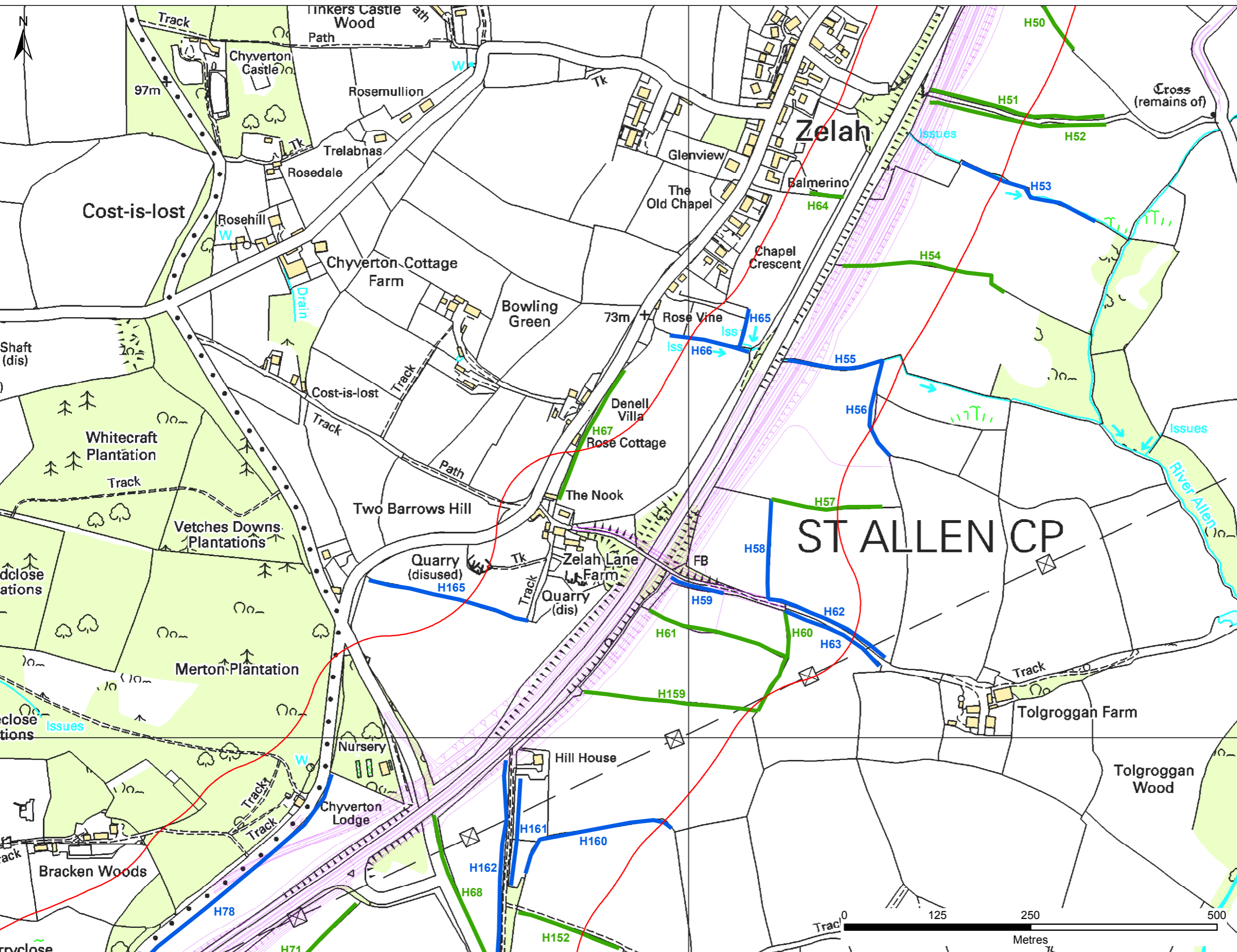
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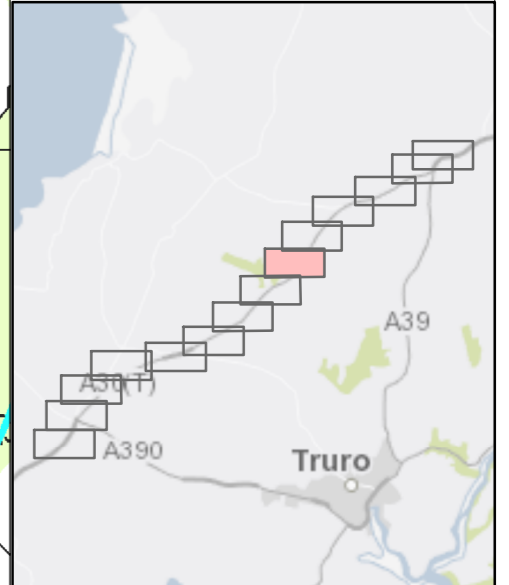
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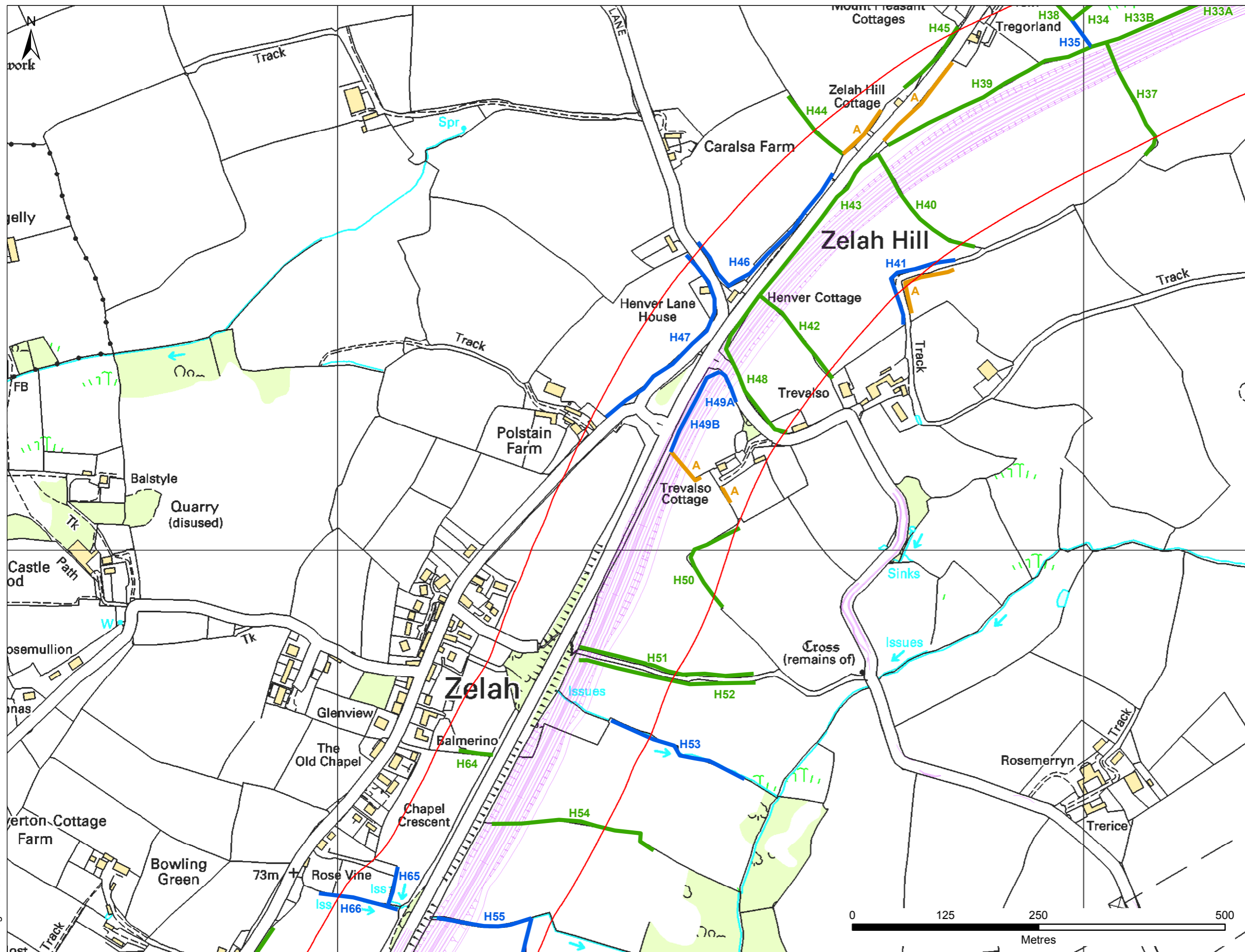
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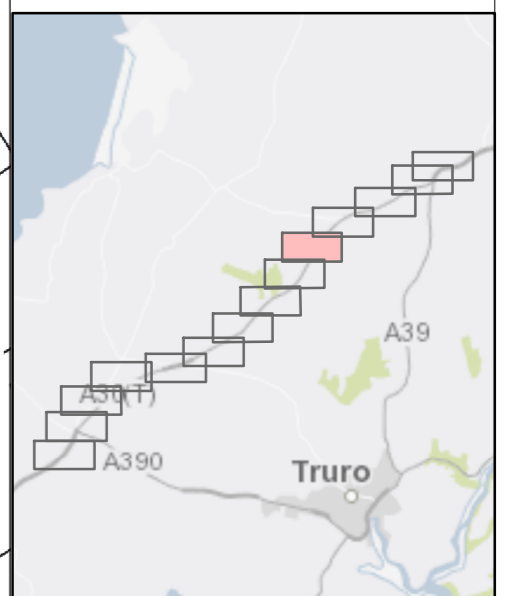
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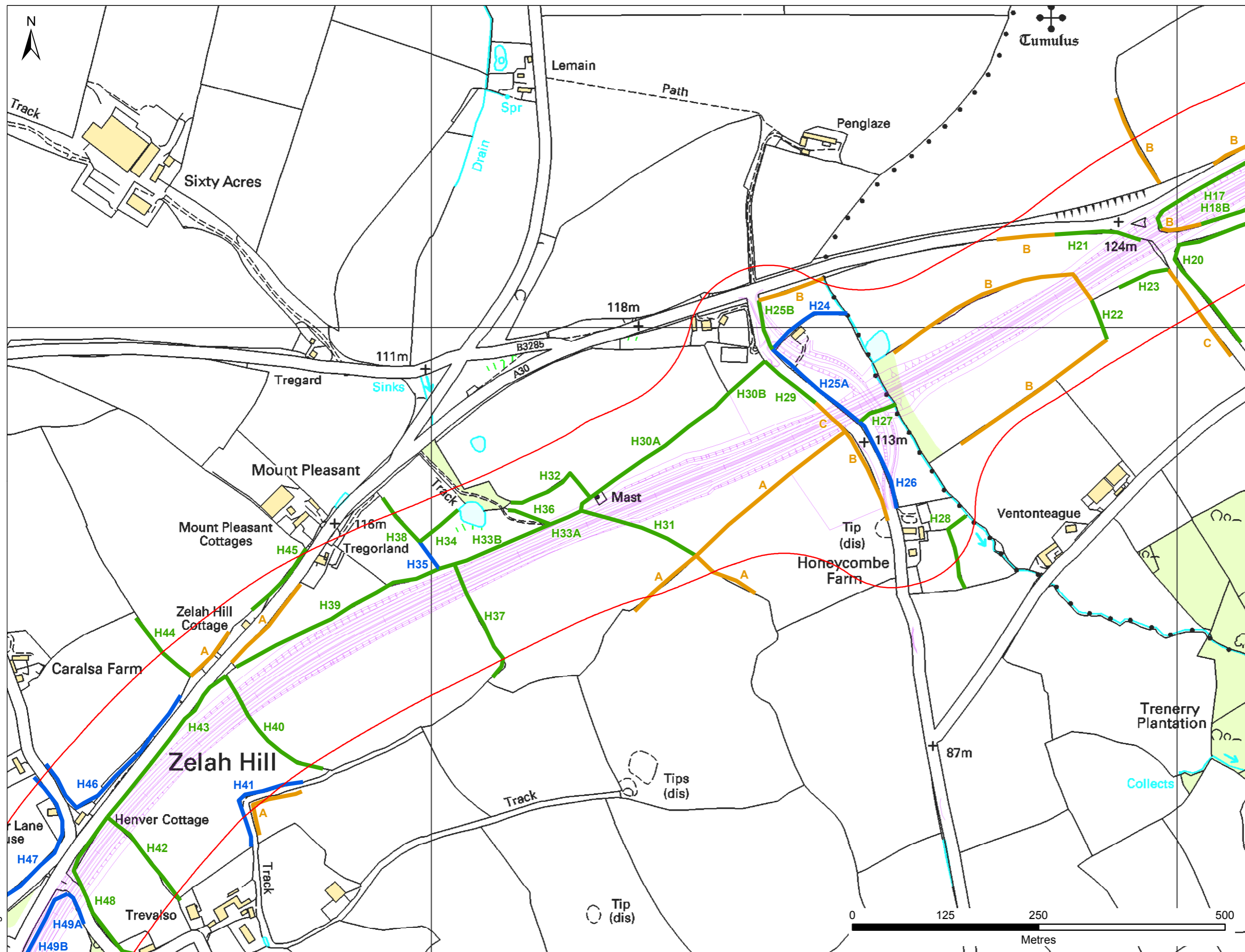
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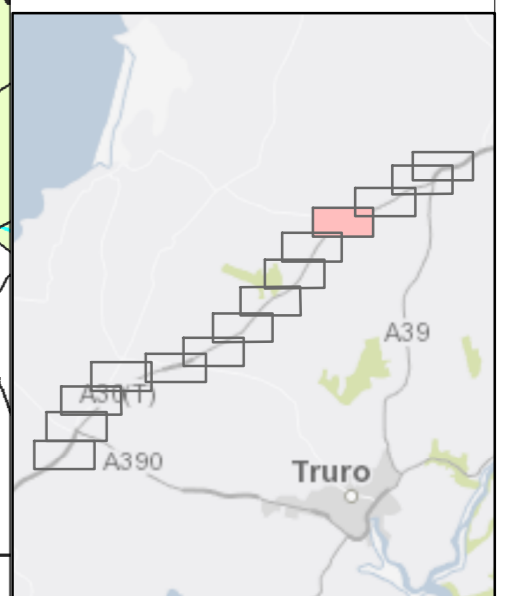
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- Option 7A
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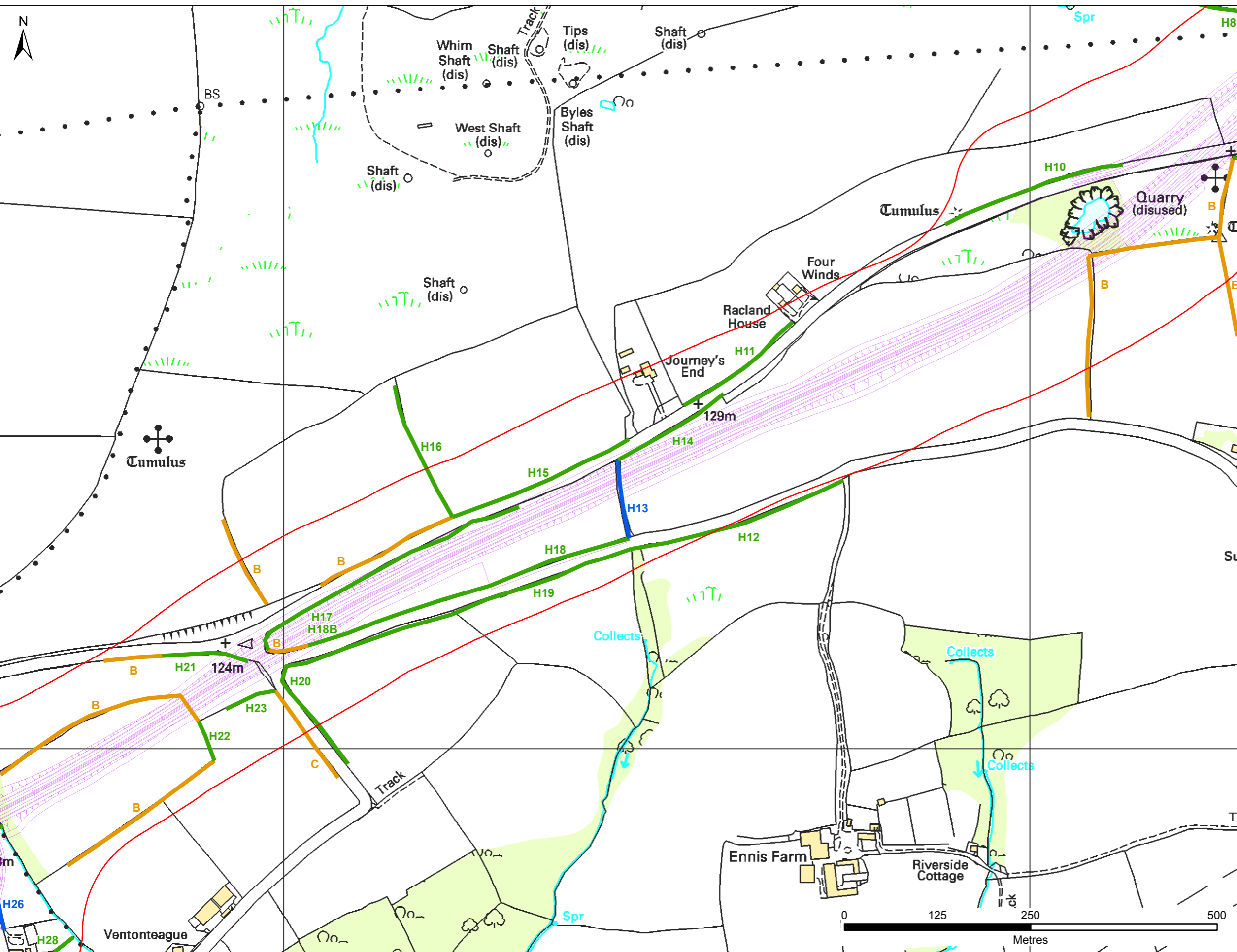
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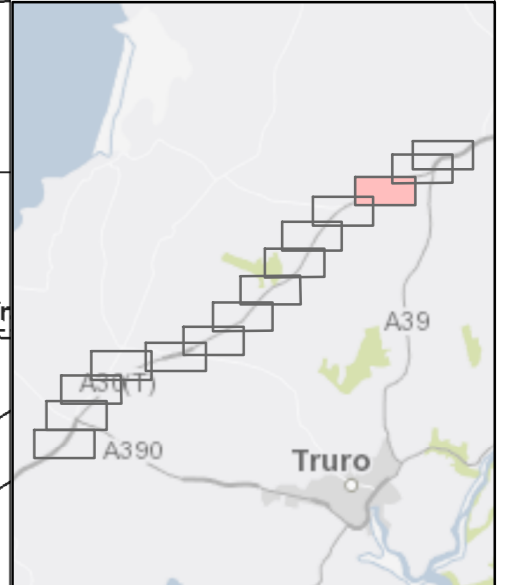
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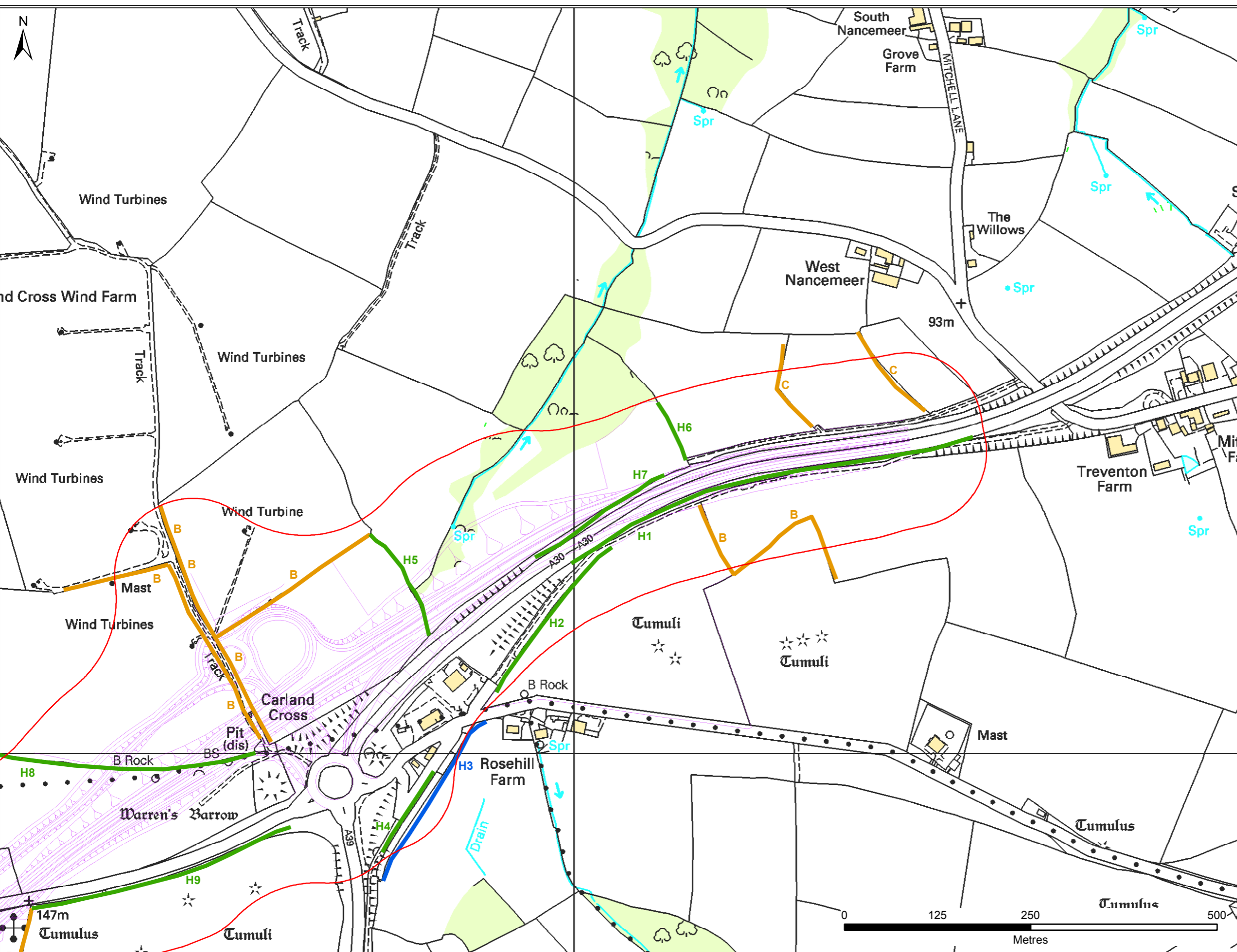
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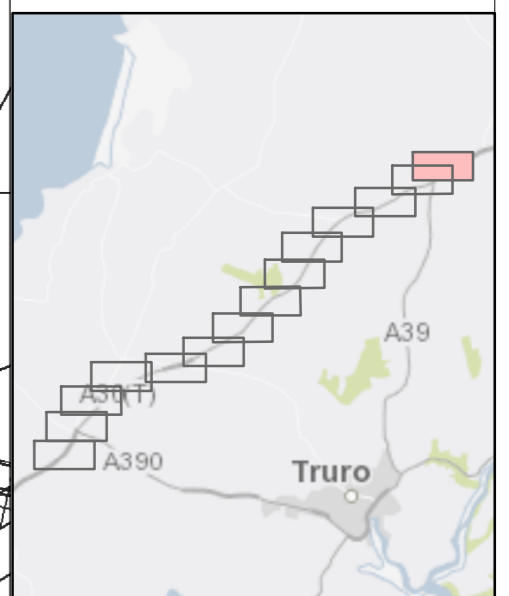
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