

Rampion 2 Wind Farm

Category 6:

Environmental Statement

Appendix 22.5:

Hedgerow survey report



Document revisions

Revision	Date	Status/reason for issue	Author	Checked by	Approved by
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Contents

1.	Hedgerows Regulations Assessment	3
1.1	Background	3
1.2	Survey site selection	3
1.3	Purpose of this Appendix	4
1.4	Structure of this Appendix	4
2.	Methods	5
2.1	Hedgerow Scoping Survey	5
2.2	Hedgerow Importance Survey	5
2.3	Determining hedgerow importance	6
2.4	Deviations, constraints and limitations	7
3.	Results 9	
3.1	" <i>Important</i> " Hedgerows	9
3.2	Other hedgerows	19
	Hedgerows assessed as not "Important" Hedgerows without an importance assessment	19 19
3.3	Legally controlled plant species	23
4.	References	25
	List of Tables	
	Table 3-1 Important hedgerow survey results Table 3-2 Unknown hedgerows	11 19

List of Annexes

Annex A Figures:

Figure 22.5.1a - 22.5.1d Study Area

Figure 22.5.2a - 22.5.2r Hedgerows identified



Figure 22.5.3a - 22.5.3d Important hedgerows

Figure 22.5.4a - 22.5.4r Other hedgerows

Annex B 'Important' Hedgerow Criteria

Annex C Survey data: Not important hedges



1. Hedgerows Regulations Assessment

1.1 Background

- This Appendix should be read in conjunction with **Chapter 22: Terrestrial ecology and nature conservation, Volume 2** of the Environmental Statement
 (ES) (Document Reference: 6.2.22) which is provided in support of the delivery of
 an Environmental Impact Assessment (EIA) associated with the Rampion 2
 Offshore Wind Farm, hereafter referred to as the "*Proposed Development*" or
 "*Rampion 2*".
- This Appendix describes the survey method and summarises the results of the Hedgerow surveys undertaken between 2021 and 2023.

1.2 Survey site selection

- The onshore elements of the Proposed Development refer to works landward of Mean High Water Springs (MHWS) and will comprise the following key components:
 - a single landfall site near Climping, Arun District, connecting offshore and onshore cables using Horizontal Directional Drilling (HDD) installation techniques;
 - buried onshore cables in a single corridor for the maximum route length of up to 38.8km using:
 - trenching and backfilling installation techniques; and
 - trenchless and open cut crossings.
 - a new onshore substation, proposed near Cowfold, Horsham District, which will connect to an extension to the existing National Grid Bolney substation, Mid Sussex, via buried onshore cables; and
 - extension to and additional infrastructure at the existing National Grid Bolney substation, Mid Sussex District to connect Rampion 2 to the national grid electrical network.
- A detailed project description can be found in **Chapter 4: The Proposed Development, Volume 2** of the ES (Document Reference 6.2.4).
- Above mean high water springs the Proposed Development consists of permanent new above ground infrastructure at the location of the substation and at the connection point to National Grid's Bolney substation.
- The approach to the hedgerow survey was discussed with Natural England in April 2020, and again within a variety of forums with stakeholders including South Downs National Park Authority, West Sussex County Council and the Sussex Wildlife Trust (see Section 22.3 of Chapter 22: Terrestrial ecology and nature conservation, Volume 2 of the ES (Document Reference 6.2.22)), with agreement to the approach minuted.



1.3 Purpose of this Appendix

- 1.3.1 The onshore cable corridor and onshore infrastructure cross through 239 hedgerows with the potential to be "important". This appendix outlines the methodologies used, and summarises the results gathered as part of the hedgerow assessment within the proposed DCO Order Limits.
- This Appendix does not allude to any requirements for mitigation and/or compensation in respect of vascular plants or habitats, nor does it assess the potential effects that proposals might have upon them, as both issues are covered in detail in **Chapter 22: Terrestrial ecology and nature conservation**, **Volume 2** of the ES (Document Reference 6.2.22).

1.4 Structure of this Appendix

- 1.4.1 This appendix is structured as follows:
 - Section 2: Methods;
 - Section 3: Results;
 - Section 4: References;
 - Annex A: Figures;
 - Annex B: "important" hedgerow criteria; and
 - Annex C: Full survey details.



2. Methods

2.1 Hedgerow Scoping Survey

- Between 2020 and 2023 a Phase 1 habitat survey (refer to Appendix 22.3: Extended Phase 1 habitat survey report, Volume 4 of the ES (Document Reference 6.4.22.3)) was undertaken covering the proposed DCO Order Limits (hereafter referred to as the Study Area see Figure 22.5.1a-d, Annex A). A total of 614 hedgerows were confirmed to be present either within or intersecting the Study Area.
- Of these hedgerows 239 were identified for detailed survey to determine whether they met the definition of "important" under the Hedgerow Regulations 1997. As per the Regulations those hedgerows where additional survey was not deemed necessary were:
 - not at least 30 years old;
 - were less than 20m in length; and
 - forming boundaries of gardens and houses.
- In addition, where the hedgerow was found to be dominated by less than four native woody species, or if the feature was found not to be a hedgerow¹, these were scoped out of further assessment. The hedgerows identified are presented in **Figure 22.5.2a-r**, **Annex A**.

2.2 Hedgerow Importance Survey

- Hedgerow surveys were undertaken within the Study Area between 2021 and 2023, following the methodology set out in Schedule 1, part II of the Hedgerow Regulations 1997, following the Hedgerow Survey Handbook (Department for Environment, Food and Rural Affairs (Defra), 2007). The purpose of hedgerow surveys was to identify whether any hedgerows within the proposed onshore cable corridor qualify as ecologically "important" under the Regulations criteria.
- All hedgerows identified for further survey were surveyed (access permitting) using the methodology outlined by Defra (2007). The following was recorded for each hedgerow:
 - total hedgerow length;
 - number of 30m sections within the hedgerow; and
 - for each 30m section the following were recorded:

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¹ It was a different kind of linear vegetation such as a tree line, scrub, tall ruderal vegetation, rough grassland, or was composed of non-native species such as conifers, or ornamental shrubs such as snowberry and was instead mapped as part of the Extended Phase 1 habitat survey, or if it was not a vegetated feature, such as a fence line.



- all woody species;
- the overall frequency and length of gaps;
- ground flora, including the number of different woodland species present within one metre of the outermost edges of the hedgerow; and
- frequency of broadleaved trees.
- Each hedgerow was described in terms of key species and vegetation structure. Features such as the presence of drainage ditches or banks, connecting hedgerows, or woodland, and ponds were recorded, adjacent land management, and the relationship of the hedge with neighbouring vegetation was also noted.

2.3 Determining hedgerow importance

- The main criteria used in determining the importance of the hedgerows were taken from Part II of Schedule 1 to the Regulations:
 - that the hedgerow has been in existence for 30 years or more;
 - the presence of at least seven woody species;
 - at **least** six woody species, **plus** at least three Associated Features, including:
 - an intact hedge;
 - standard trees every 50m:
 - a parallel hedgerow, and
 - connections with other hedgerows and/ or woodland; and
 - at least five woody species and at least four Associated Features.
- 2.3.2 Associated Features are defined as:
 - the presence of a ditch, wall or bank along at least one half of the length of the hedgerow;
 - gaps not exceeding ten percent of the hedgerow length, in aggregate;
 - connections to other hedgerows, ponds or areas of broadleaved woodland within 10m;
 - presence of a parallel hedge within 15m²;
 - at least three species of woodland ground flora within one metre; and
 - the presence of other Associated Features such as whether the hedgerow is adjacent to a bridleway, footpath or road / track.

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² In the absence of a Public Right of Way (PRoW) only, a parallel hedge does not count as an Associate Featured if a PRoW is present.



- 2.3.3 Where connections score four points they are considered to count as an associated feature. Connections score a point as follows:³
 - 1 point: connection to another hedgerow; and
 - 2 points: connection to broadleaved woodland or a pond.
- 2.3.4 Full details of the survey methods and legislation are provided in **Annex B**.

2.4 Deviations, constraints and limitations

Access to the full extent of a hedgerow was not always possible due to limitations of land access (for example, hedgerows continued into areas outside of those where access was available). Therefore, not all features could be recorded for all hedgerows. This meant that it some cases it was not possible to fully assess the importance of such a hedge; in these instances, a precautionary approach was taken to the determination of importance.

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³ A hedgerow is connected where it meets and *also* if it had a point within ten metres of the hedgerow where it *would* make a connection, *if* the line continued (in the absence of a PRoW).





3. Results

3.1 "Important" Hedgerows

- 3.1.1 The hedgerow survey identified the presence of 14 "*important*" hedgerows within the Study Area. A summary of the hedgerow importance assessment is as follows:
 - the following five hedgerows were recorded to support seven or more woody species;
 - ▶ H168, H184, H481, H483 and H492.
 - five hedgerows with six woody species, plus at least three associated features;
 and
 - H139, H377, H388, H489, H495, H509.
 - four hedgerows with five woody species, plus at least four associated features.
 - ► H200, H484, H488, H491.
- Full survey results of important hedgerow are presented in **Table 3-1** below and **Figure 22.5.3a-d, Annex A**.





Table 3-1 Important hedgerow survey results

	Dim	ensio	ns	Ass	ociate	d Fe	ature	es		Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H139	3	2	137	6	√	X	✓	✓	X	х	✓	1	1	X	Blackthorn dominated hedge, with elder, hawthorn, dogwood and ash standards. Cotoneaster ⁴ rare. Ground flora cleavers, ivy, dock, cow parsley, hogweed, common nettle, bramble, and campanula species. Associations - adjacent to footpath and hedge opposite (H142), links to woodland to the southeast. Located along northern limit of field. Bisects access route of proposed DCO Order Limits near Sullington Hill.
H168	2.5	2	337	7+	Х	✓	✓	✓	х	✓	X	3	1	x	Hawthorn dominated hedge with blackthorn, English elm, field maple, field elm, and hazel. Oak and ash standards; goat willow occasional. Associated with dry ditch; connected to hedges at northern and southern extent and halfway along field margin (all lie beyond

⁴ Not thought to be native wild cotoneaster, instead more likely to be an ornamental species, a garden escape.



	Dim	nensio	ns	Ass	sociate	d Fe	ature	es		Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															the proposed DCO Order Limits), also connected to woodland to north. Located within the proposed DCO Order Limits near The Pike at Washington.
H184	3	2	190	7+	✓	X	✓	✓	X	✓	✓	3	1	X	Blackthorn dominated hedge with hawthorn, field elm, dogwood, field maple, ash and oak standards. Ground flora comprising common nettle and bramble with hogweed, willowherbs, and meadowsweet. Associations with footpath, dry ditch and road; hedge on opposite site of road (H182) and connected to a hedge at both the northern and southern extents and halfway along hedges, at field margin; woodland located to south of hedge. Located along an access route of the proposed DCO Order Limits, leading to Storrington Road between Storrington and Washington.
H200	3	1.5- 2	286	5	✓	✓	✓	✓	✓	✓	✓	3	X	X	Hedge composed of hazel, hawthorn, and beech, with oak and ash standards, honeysuckle. Ground flora species included primrose, harts' tongue, scale male fern. Connected to three hedges along field



	Dim	nensio	ns	Ass	ociate	d Fe	ature	es		Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															boundaries and runs parallel with another hedge on the other side of the Lane. Located along an access route of the proposed DCO Order Limits along Barns Farm Lane, leading to Storrington Road between Storrington and Washington.
H377	3	2	180	6	✓	✓	✓	✓	X	√	✓	4	1	X	Hedge composed of hawthorn, blackthorn, holly, hazel, dogwood, field maple, with dog rose and bramble. Hedge opposite on the northern side of the road, and connected to hedges to the west, in two locations to the south and east. Located within the proposed DCO Order Limits along the B2116 (Shermanbury Road) between Partridge Green and Shermanbury.
H481	3	2	160	7+	X	X	✓	X	X	✓	✓	3	X	X	Hedgerow with mature and semi mature oaks and field maple. Dogwood, field maple, hawthorn, blackthorn, holly, bramble, ivy, spindle, hazel, elder. Ground flora comprised Lords and ladies, false wood brome, stitchwort, and speedwells. Hedge connecting to the west was also recorded to be Important (H483).



	Dim	ensio	ns	Ass	sociate	d Fe	ature	es		Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															Snowberry was recorded in this hedge. Located within the proposed DCO Order Limits along the eastern limit of Kings Lane between Bolney substation and Monastery.
H483	3	2	135	7+	X	x	✓	x	X	√	✓	4	x	X	Hedgerow dominated by field maple with holly, spindle, dog rose, hawthorn, blackthorn, oak. Semi mature oaks and occasional ash in hedgerow. Hedge connecting to the east was also recorded to be Important (H481), as was the hedge opposite (H484). Located within the proposed DCO Order Limits along the eastern limit of Kings Lane between Bolney substation and Monastery.
H484	3	2	139	5	✓	✓	✓	✓	X	X	✓	3	X	X	Hedgerow comprising dogwood, field maple, blackthorn, hawthorn, hazel, with oak. Dry ditch to south with grassy verge of bramble, false oat grass, meadow foxtail, hogweed. Set on a small bank. Hedge connecting to the east was also recorded to be Important (H483). Snowberry was recorded in this hedge. Located within the proposed DCO Order Limits



	Dim	ensio	ns	Ass	ociate	d Fe	ature	es		Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															along the eastern limit of Kings Lane between Bolney substation and Monastery.
H488	1.5	2	108	5	✓	✓	✓	✓	X	X	✓	2	X	X	Field maple, dogwood, blackthorn, hawthorn, oak, spindle, dog rose and bramble. Set on slight raised bank. Road verge mostly low-lying bramble. Dry ditch to south with tall ruderal vegetation including creeping thistle, field bindweed, common nettle, and rosebay willow herb. Bushy and outgrown. Connects to hedge H484 to the east, and opposite hedge H489- both also Important. Located within the proposed DCO Order Limits along Moatfield Lane/the eastern limit of Kings Lane between Bolney substation and Monastery.
H489	4	3	172	6	✓	X	✓	✓	X	✓	✓	4	X	X	Field maple, dogwood, blackthorn, hawthorn, oak, spindle, bramble. Set on slight raised bank. Road verge mostly low-lying bramble. Bushy and outgrown. Connects to hedge H483 to the east, and opposite hedge H488- both also Important, and a further two hedges to the south at either end. Located within the proposed DCO Order Limits along Moatfield Lane /



	Dim	nensio	ns	Ass	ociate	d Fe	ature	es		Conn	ectic	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															the eastern limit of Kings Lane between Bolney substation and Monastery.
H491	3	2	150	5	√	X	✓	✓	X	X	X	3	X	X	Hedgerow dominated by blackthorn, with hawthorn and frequent mature oaks, bramble. Connects to H488 in southern limit, also Important, and a further 2 hedges to the north. Young poplar trees planted opposite on other side of access track. Located within the proposed DCO Order Limits along the eastern limit of Kings Lane between Bolney substation and Monastery.
H492	2- 4	2-3	268	7	✓	X	Х	✓	х	✓	✓	3	X	X	Blackthorn, field maple, hazel, hawthorn, dogwood, field maple, with mature oaks. Connect to H495 at northern extent – also Important, and two further hedgerows, and opposite H487. Located within the access of the proposed DCO Order Limits along the southern limit of Kent Street between Bolney substation and Monastery.



	Dim	nensio	ns	Ass	ociate	d Fe	ature	es		Conn	ectic	ns			
Hedge Ref	Height (m)	Width (m)	Length (m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Tree per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H495	8	1	440	6	✓	x	✓	✓	✓	✓	✓	3	1	X	Hedgerow composed of hawthorn, beech, field maple, with sycamore, horse chestnut, oak. Ground flora comprised ivy, bramble, Lords and ladies, strawberry, primrose, spindle, bramble. Located along an access track, connecting to woodland, and three hedges, including H492 at western extent – also Important. The westernmost extent is located within the access of the proposed DCO Order Limits along Kent Street between Bolney substation and Monastery.
H509	2	4	410	6	√	✓	✓	√	X	✓	✓	2	X	X	Blackthorn, hazel, hawthorn, and field maple, with frequent oak and occasional goat willow. Associated with wet ditch. Ground flora included water dropwort, common nettles, docks, cleavers, Timothy, dog's mercury, ivy, and bluebell. Located opposite H487 and H505 and connected at the southern limit to H492 and H495- also Important. Located within the access of the proposed DCO Order Limits along Kent Street between Bolney substation and Monastery.





3.2 Other hedgerows

Hedgerows assessed as not "Important"

Of the remaining hedgerows that lie within the Study Area, 192 did not meet the criteria for "important" hedges. These were either too short, too young, bordered residential gardens, supported less than seven woody species or where there were five or six woody species, they did not have sufficient associated features or the necessary connections; or finally they did not support more than four woody species. A summary is presented in **Table C.1** in **Annex C**.

Hedgerows without an importance assessment

- A total of 30 hedgerows were not fully assessed due to access restrictions. At the time of reporting an estimate as to the likelihood of Importance has been made based upon a review of satellite imagery and records of adjacent and connected hedgerows that could be accessed for survey.
- Five of the hedgerows are unknown but potentially "*important*", with the remaining 25 hedgerows unlikely to be "*important*".
- A summary is presented in **Table 3-2** below, and in **Figure 22.5.4a to r, Annex A**. Within **Chapter 22: Terrestrial ecology and nature conservation, Volume 2** of the ES (Document Reference 6.2.22) those considered "possibly important" are treated as if they qualify as important as a precaution.

Table 3-2 Unknown hedgerows

Hedgerow reference	Notes	Hedgerow Importance Estimate
H14	Not fully accessed, so estimated: height 5m width 2m, no gaps. Hawthorn and apple abundant, sycamore, oak, silver birch, sweet chestnut, eucalyptus species, willow species.	Possibly Important due to connections to hedges to east and south and hedge opposite, plus runs along a road / track - access required to survey.
H15	Not fully accessed, so estimated: 3m wide x 4m tall. Sweet chestnut, hawthorn, white poplar, elm, apple, plum, oak, butterfly bush.	Possibly Important due to connections to hedges to west and south and footpath opposite - access required to survey.
H171	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to three hedgerows to north, south and centre and woodland to north- access required to survey.



Hedgerow reference	Notes	Hedgerow Importance Estimate
H174	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to hedges to north and south and woodland, hedge opposite, plus runs along a road / track - access required to survey.
H207	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to hedges to west and south, and woodland - access required to survey.
H245	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connection to woodland to east; connects to a road/track at western end- access required to survey.
H248	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to hedges to north and south and woodland, hedge opposite, plus runs along a road / track - access required to survey.
H261	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Unlikely to be Important as possibly forms part of a garden boundary.
H342	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to four hedges to north and south - access required to survey.
H343	Not accessed. Assessed from satellite imagery, boundary hedge for private residence, running along access road, connecting to hedge to east and woodland to west, hedge opposite.	Unlikely to be Important as possibly forms part of a garden boundary.
H345	Not fully accessed: boundary hedge for private residence, running along access road. Grades to more sycamore and dogrose with dense bracken towards the western end. Multiple trees, ivy covered. Blackthorn and hazel present; hedge opposite.	Unlikely to be Important as possibly forms part of a garden boundary (continuation of H343.



Hedgerow reference	Notes	Hedgerow Importance Estimate
H372	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to two woodlands to east and south - access required to survey.
H448	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required. May not be a hedgerow, could be dense scrub.	If this feature is a hedgerow and not scrub, it is possibly Important due to connections to woodland to the south and west, and hedge / scrub opposite, plus runs along a road / track - access required to survey.
H456	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to two hedgerows to east, and possible connection to northwest (requires measurement in the field) - access required to survey.
H464	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to three hedges, woodland, and a pond; hedge opposite, plus runs along a road / track - access required to survey.
H466	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to four hedges to east and west, hedge opposite, plus runs along a road/track - access required to survey.
H470	Not fully accessed: Dense and wide planted hedgerow ~5m wide and 4m tall, up to 15m with trees. Mature oaks in hedgerow. Hedge comprises hazel, oak, sycamore, blackthorn, bramble, field maple, bracken. Set on bank sloping down towards road.	Possibly Important due to potential presence of a bank and connections to two woodlands, hedge opposite, plus runs along a road / track - access required to survey.
H474	Not fully accessed: hawthorn, blackthorn, field maple, dogwood. Below 1m tall. May not classify as a hedgerow, instead line of scrub.	If this is a hedgerow it is possibly Important due to connections to two hedgerows and a woodland, hedge opposite, and it terminates in a road / track at eastern extent- access required to survey.
H486	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to three hedgerows and a woodland, hedge opposite, and runs along a road / track - access required to survey.



Hedgerow reference	Notes	Hedgerow Importance Estimate
H513	No access to assess fully. Recent planting evident. Lack of other management i.e. hedge species are tall with no evidence of failed, heavily poached.	Possibly Important due to connections to hedges to north and south and woodland strip opposite, connection to pond to south - access required to survey.
H527	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to three linear features which are also possibly hedgerows to west, east and south - access required to survey.
H528	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to three linear features which are also possibly hedgerows to north south - access required to survey.
H529	Not accessed. Assessed from satellite imagery, hedgerow regulations survey required.	Possibly Important due to connections to three linear features which are also possibly hedgerows to north south - access required to survey.
H532	No access to assess fully. Intact species poor blackthorn and hawthorn hedgerow with a single ash tree. In between footpath and road and arable field.	Possibly Important due to connections to three hedgerows to west, east and north, runs along a road / track and footpath - access required to survey.
H538	No access to assess fully: intact species poor hawthorn hedgerow with occasional elder.	Unlikely to be Important as species poor, but connects to two hedgerows to west and east, and terminates along a track / road to east- access required to survey.
H547	No access to assess fully: line of trees, next between arable fields and adjacent to access track.	Possibly Important as located along a track / road to east- access required to survey.
H552	No access to assess fully: in between track and horse fields. Photos indicate mature ivy and dense ground flora. Opposite woodland stand.	Possibly Important due to connection to woodland and track- access required to survey.
H602	No access to assess fully: hawthorn, blackthorn, dogwood and butterfly bush; heavily managed.	Unlikely to be important as only three woody species recorded - access required to survey.



Hedgerow reference	Notes	Hedgerow Importance Estimate
H608	Not accessed, assessed from satellite imagery and adjacent mapping.	Possibly Important due to connection to four hedgerows to east and west, hedgerow located opposite, and runs along a road- access required to survey.
H609	Not accessed, assessed from satellite imagery.	Possibly Important due to connection to three hedgerows to north and south, hedgerow located opposite, and runs along a road- access required to survey.

3.3 Legally controlled plant species

- Non-native invasive plant species were recorded at the following hedgerow locations, also noted within the Extended Phase 1 survey report (refer to **Appendix 22.3: Extended Phase 1 habitat survey report, Volume 4** of the ES (Document Reference 6.4.22.3):
 - Snowberry was recorded within hedgerows H481 and H484;
 - Cotoneaster was recorded within hedgerow H481; and
 - Himalayan balsam was recorded at hedgerow H208.





4. References

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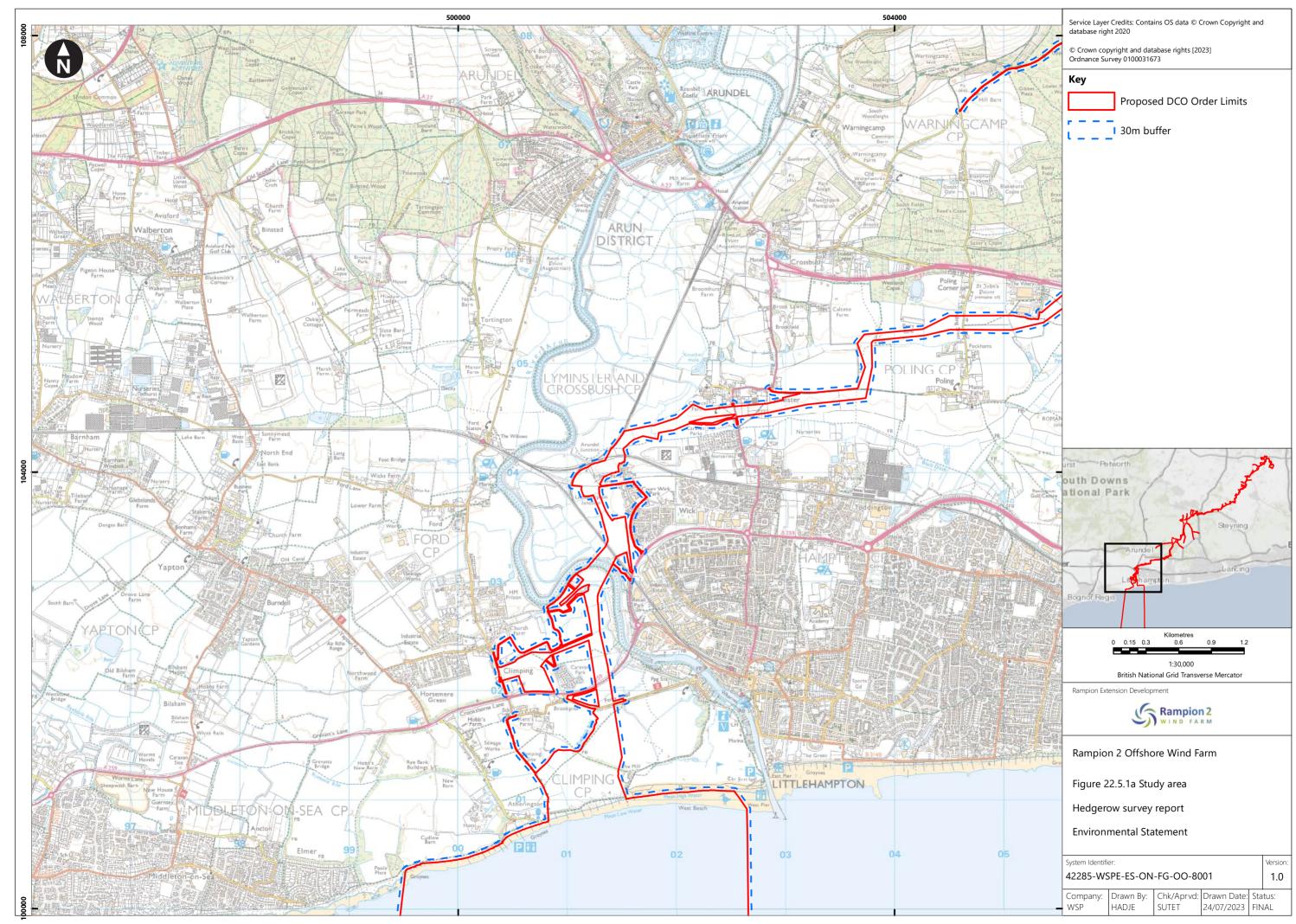
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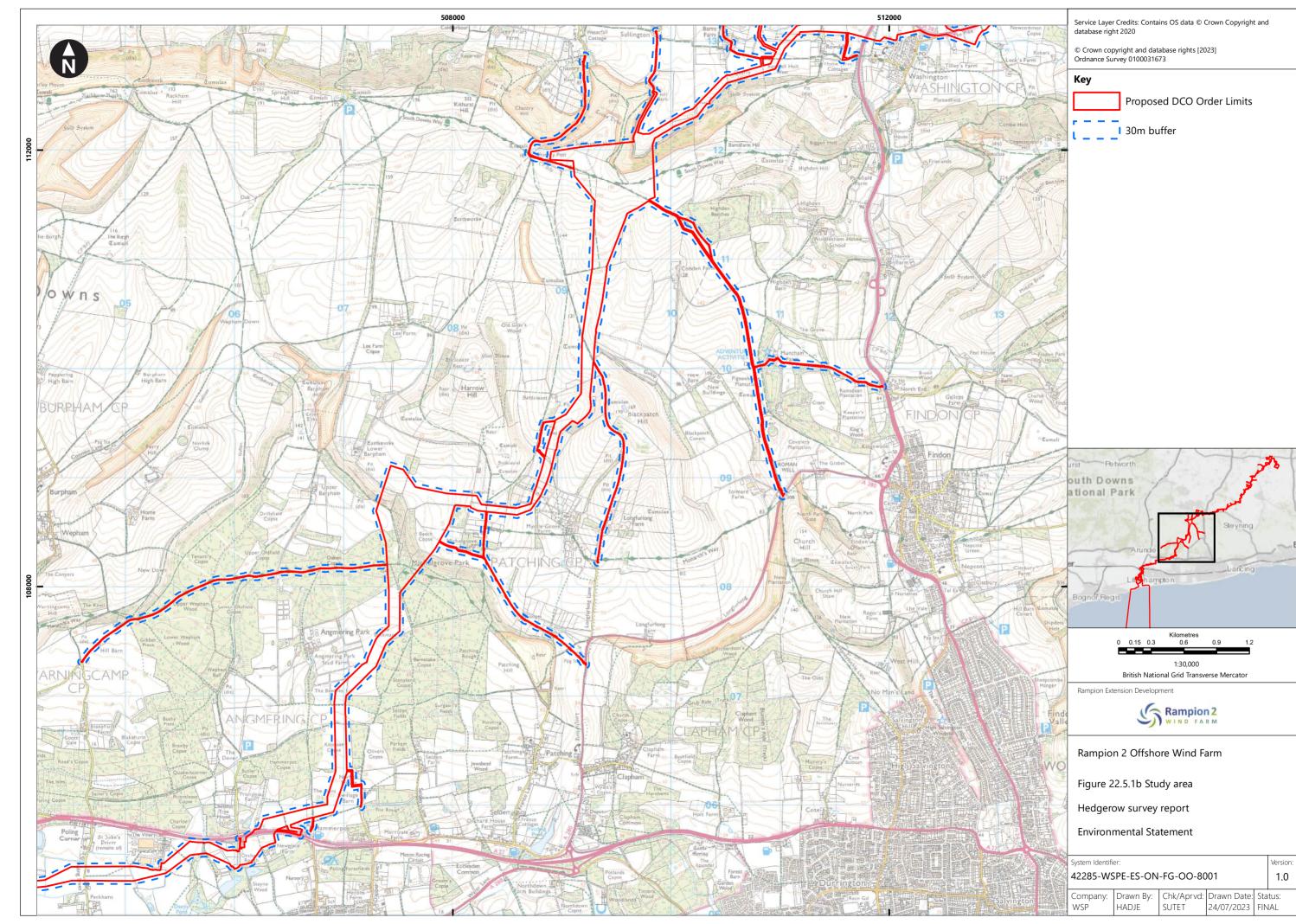


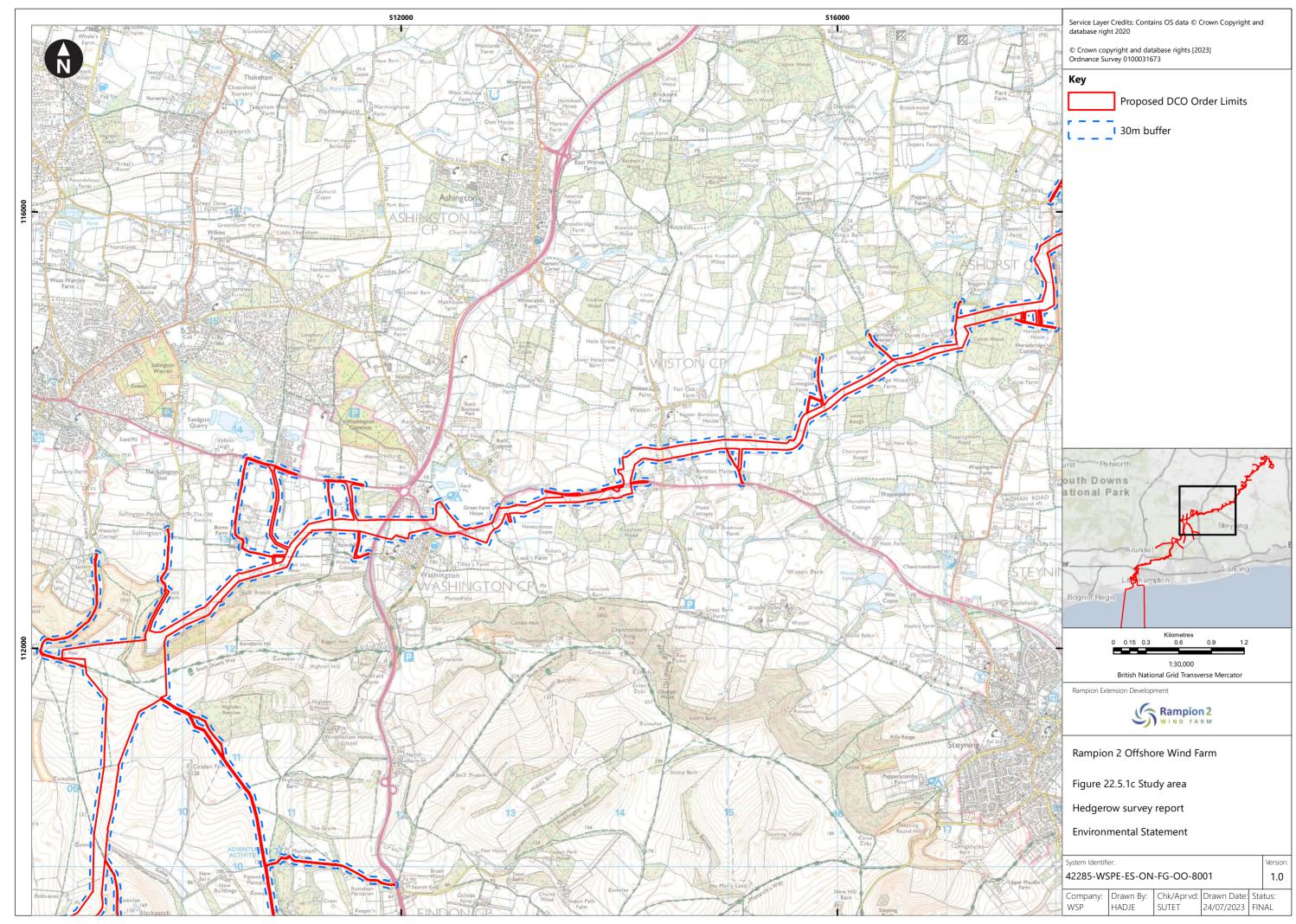


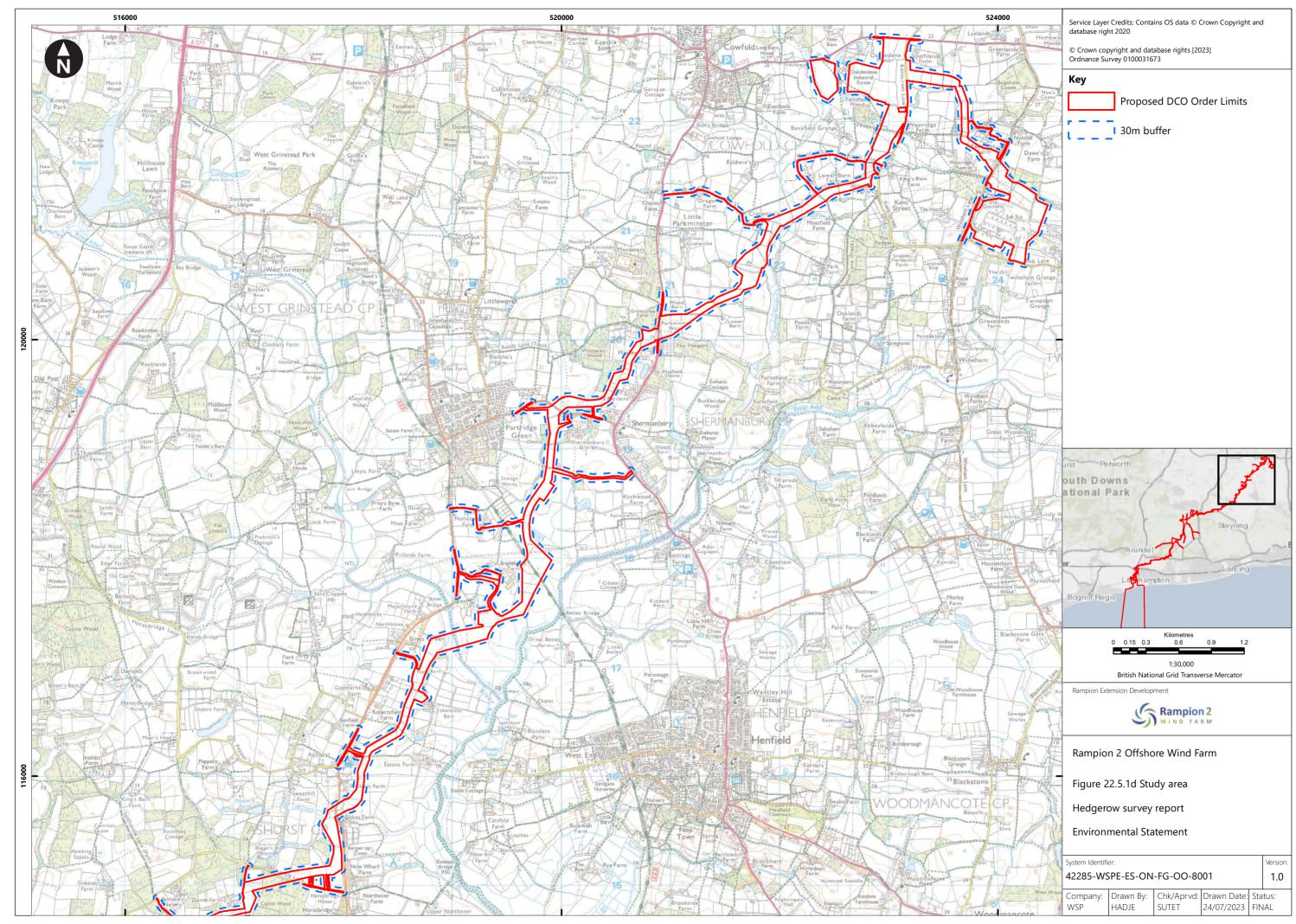
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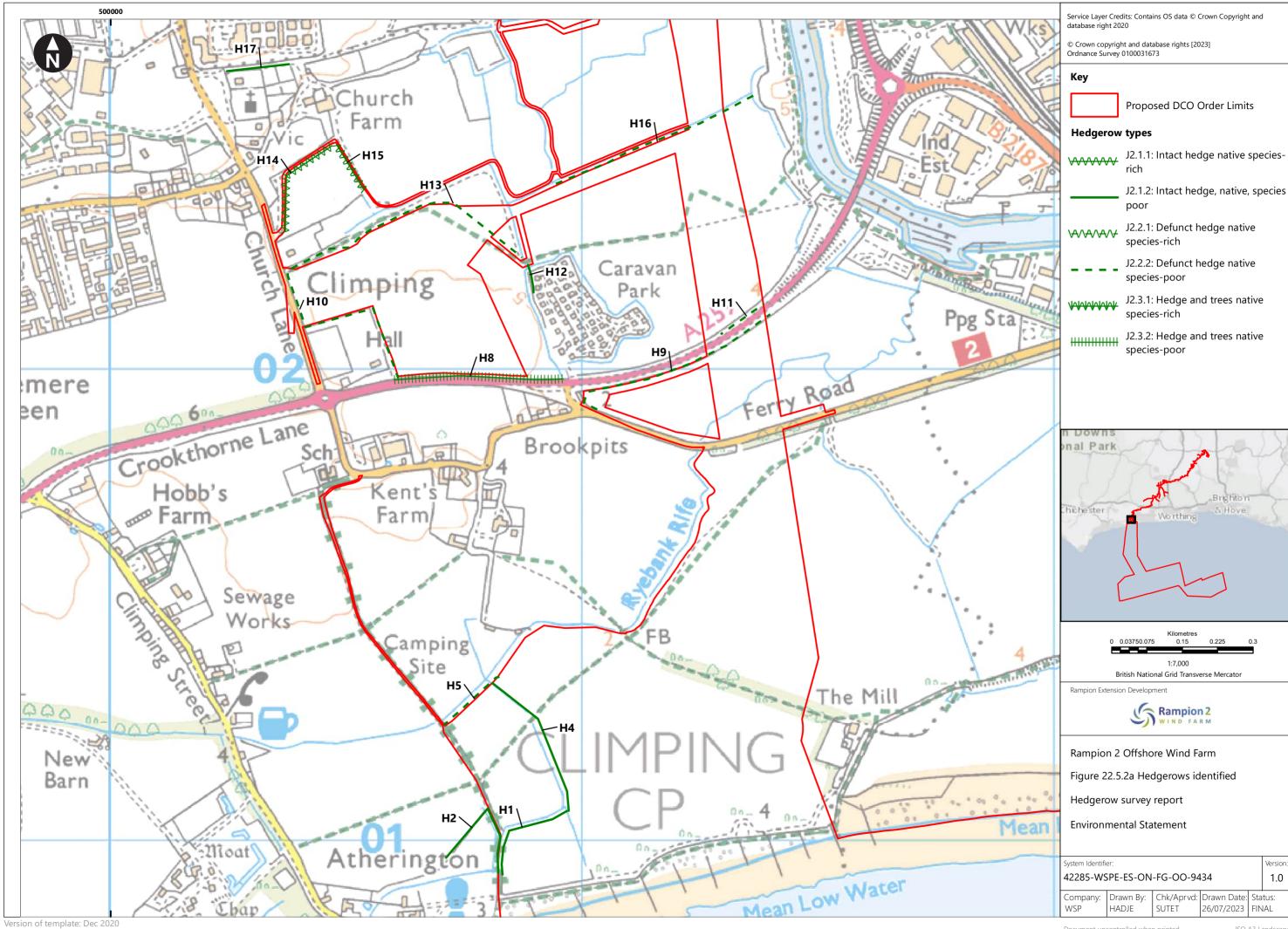




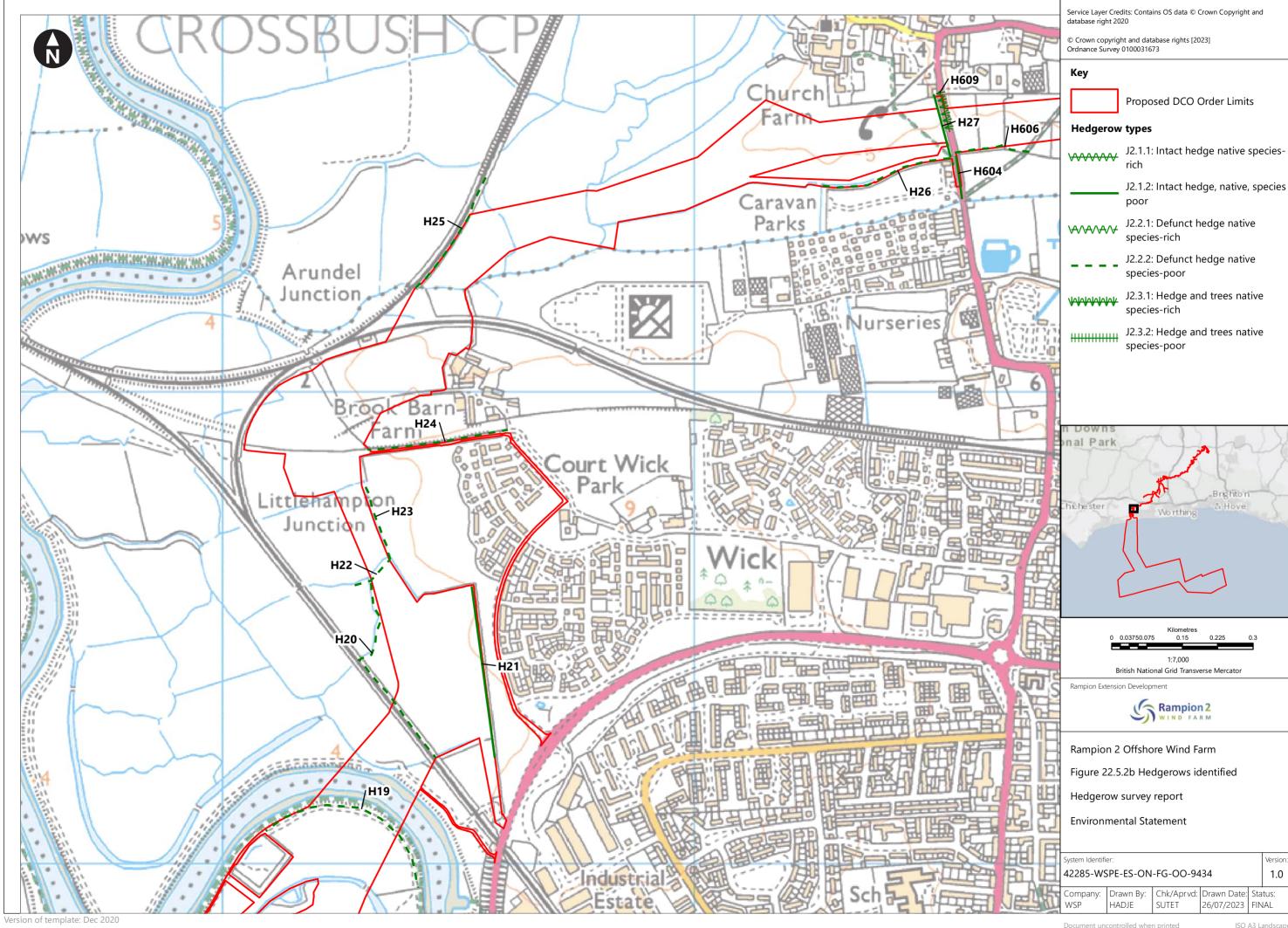


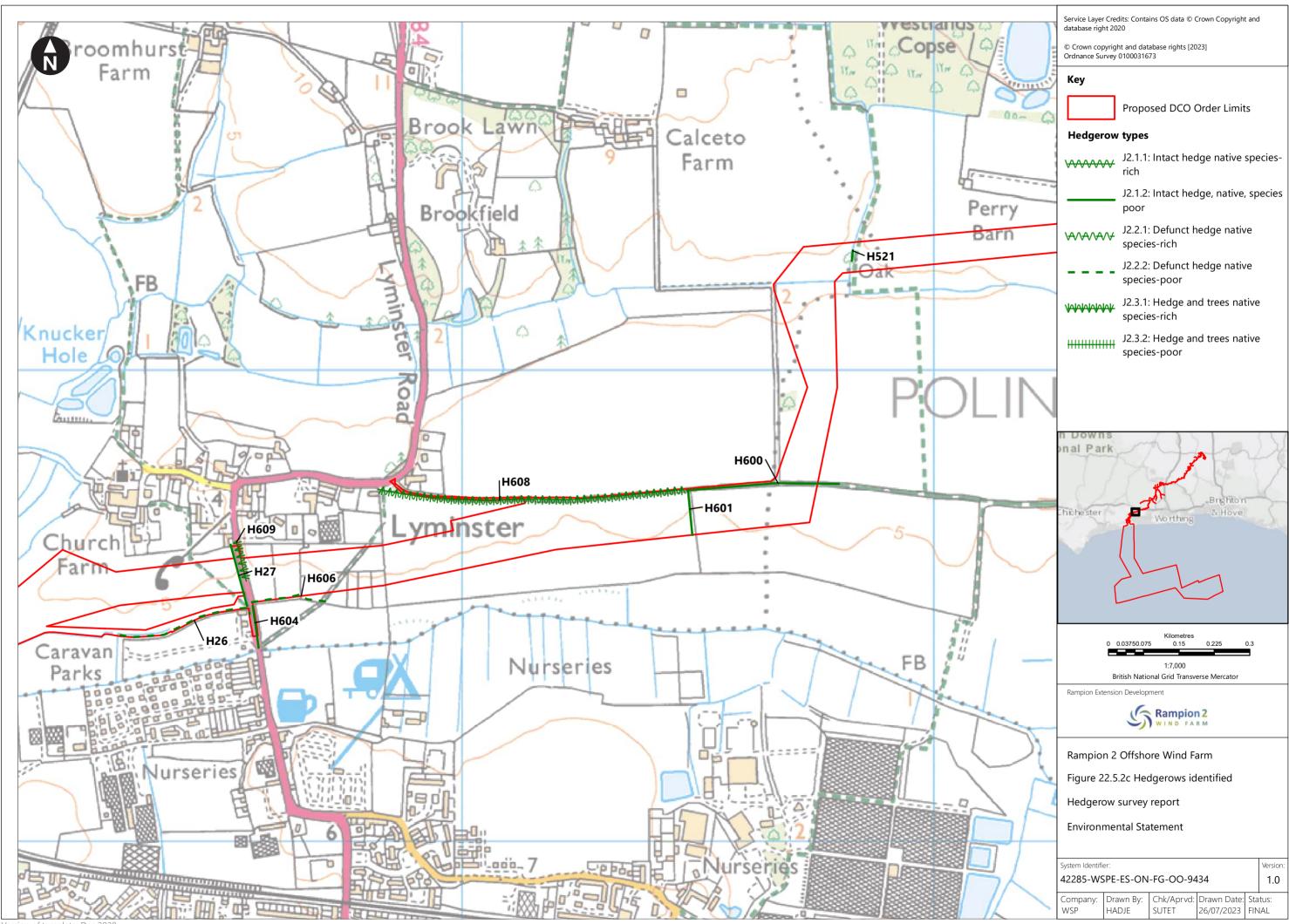


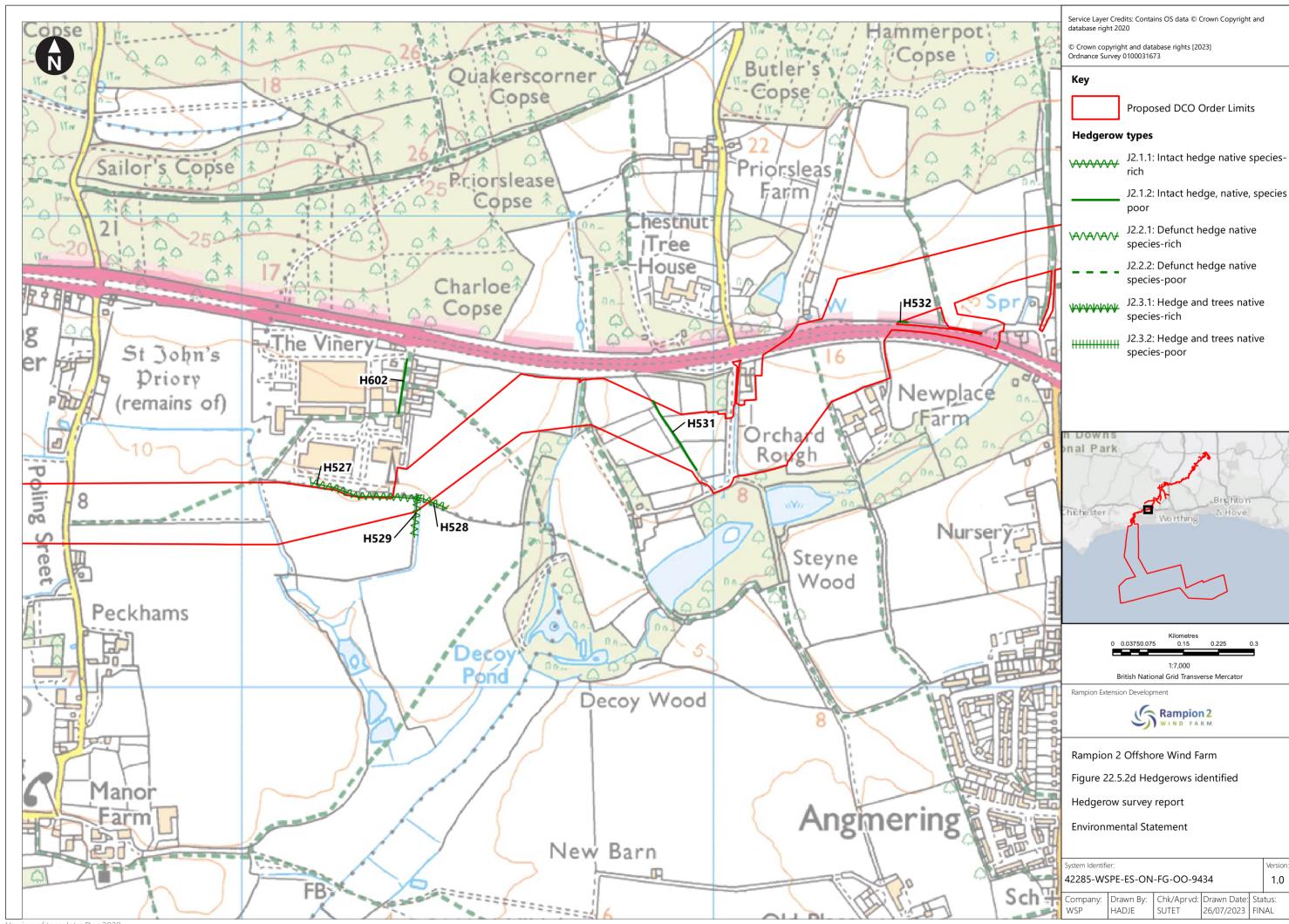


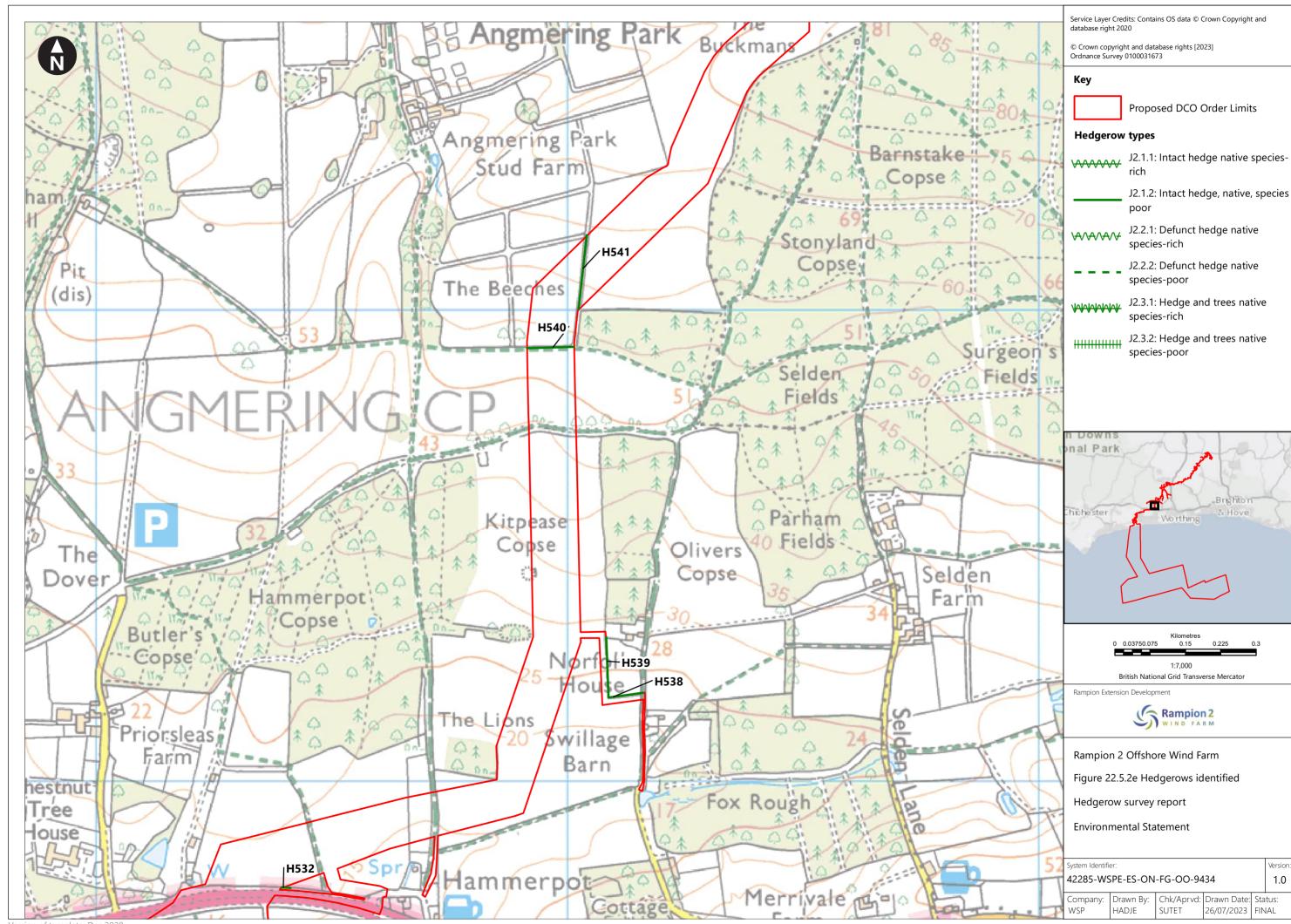


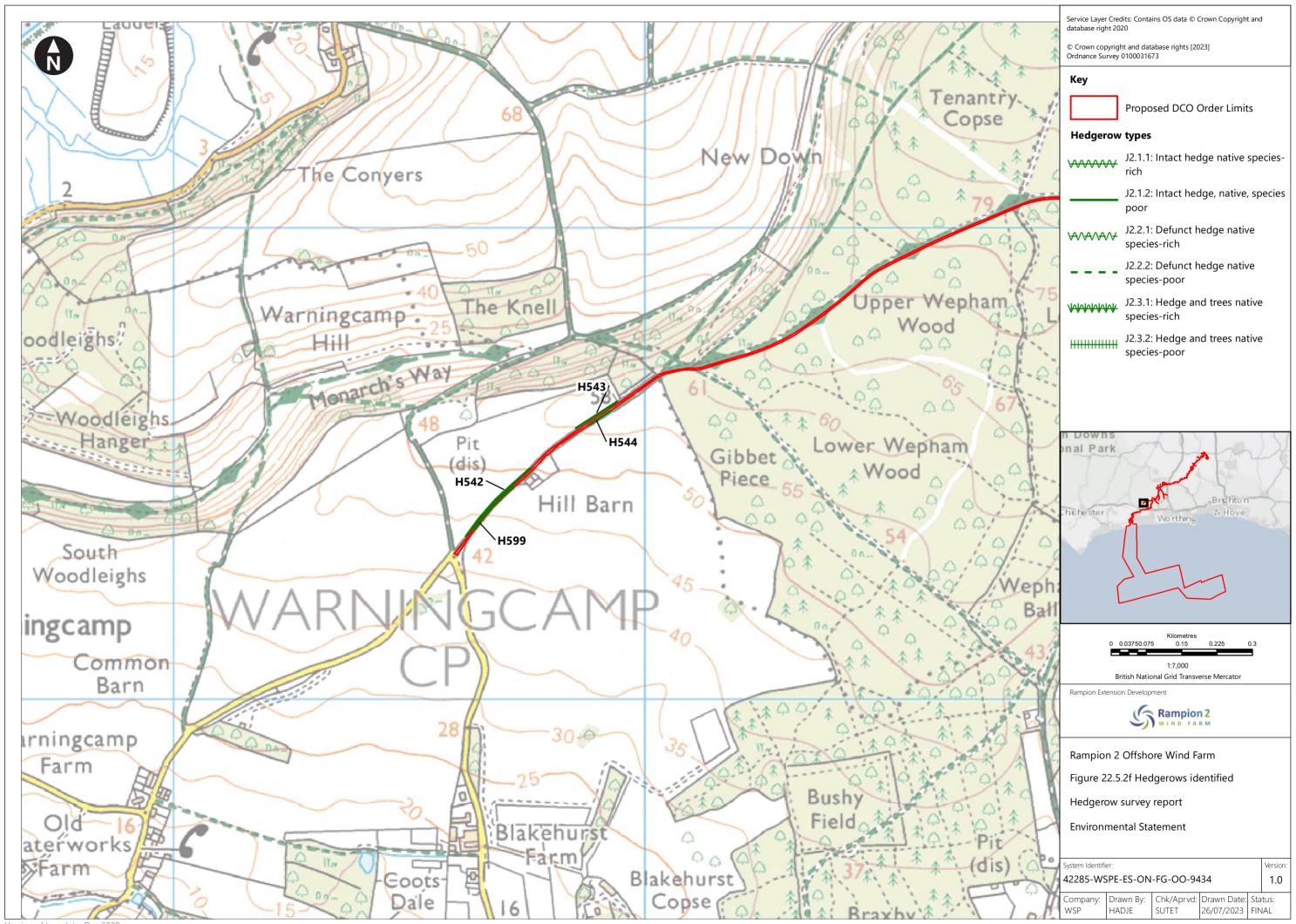
ISO A3 Landscape

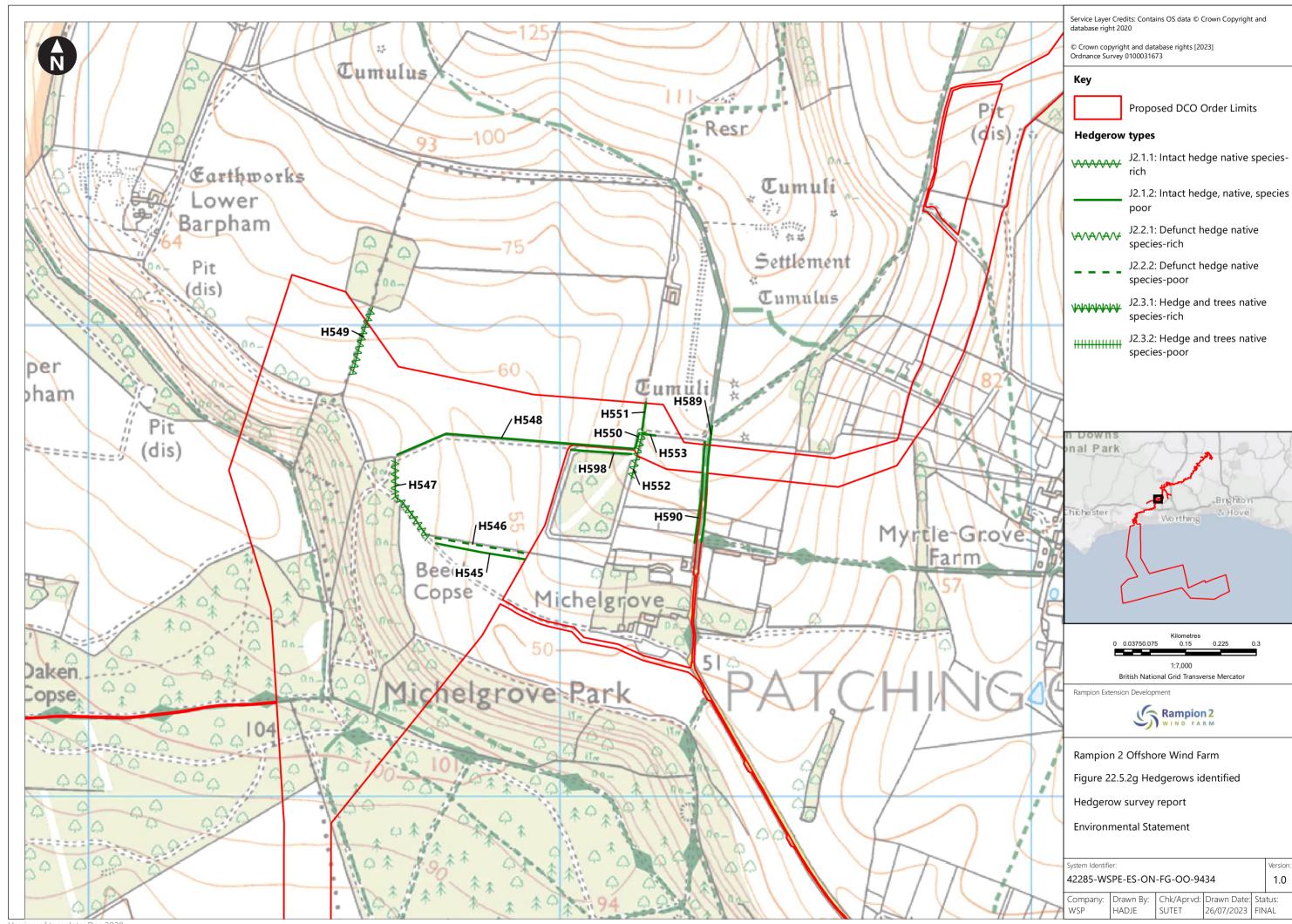


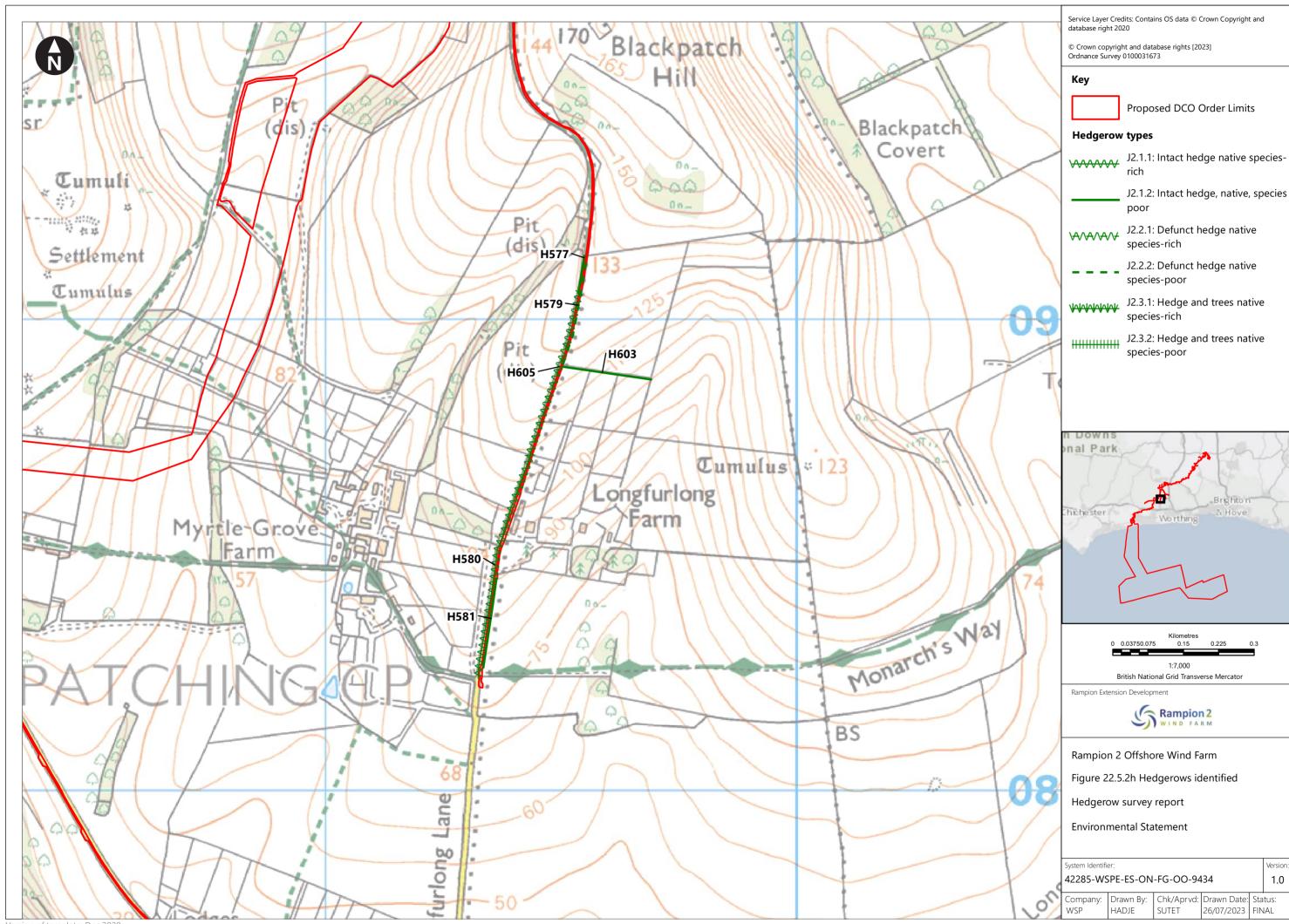


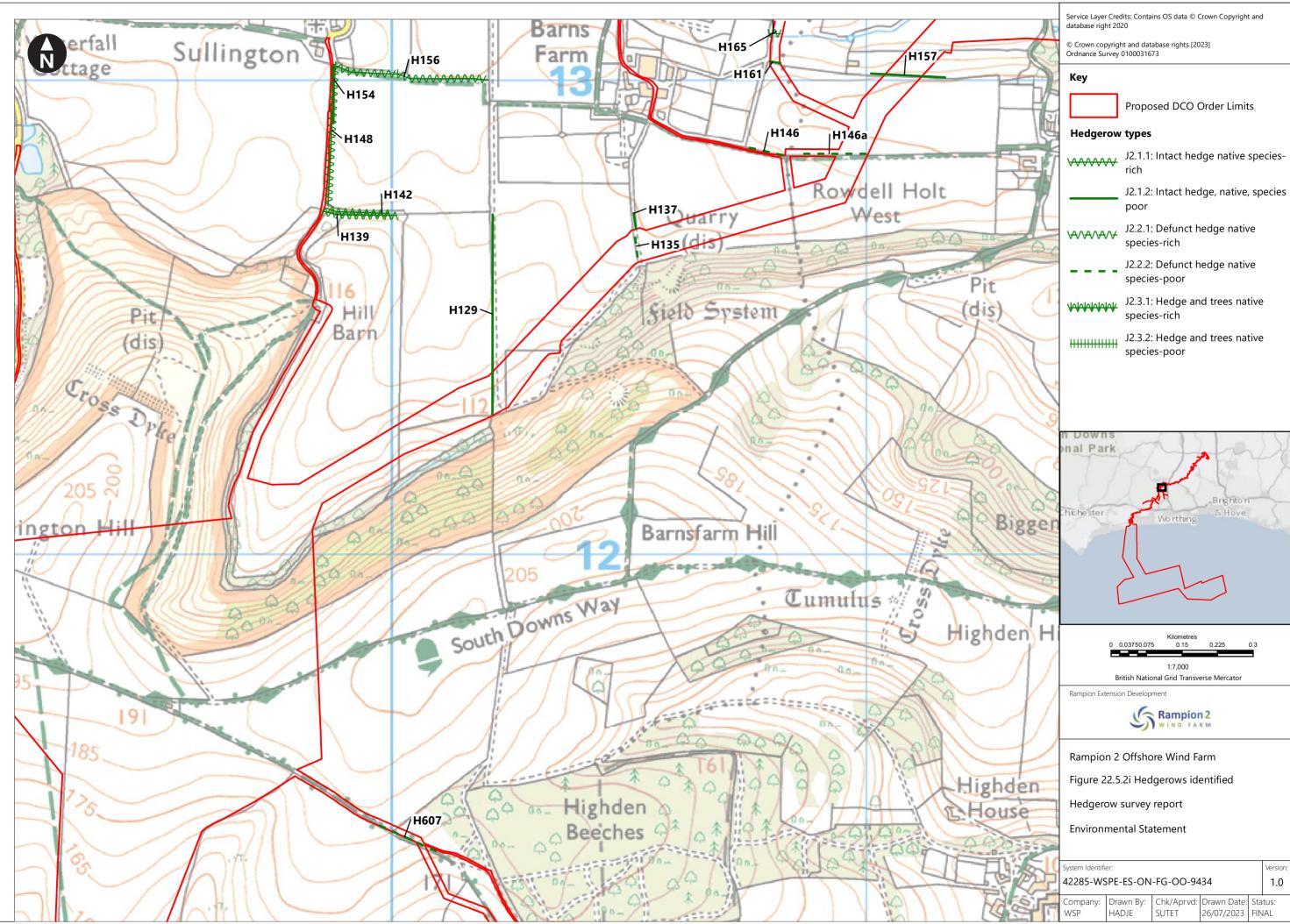


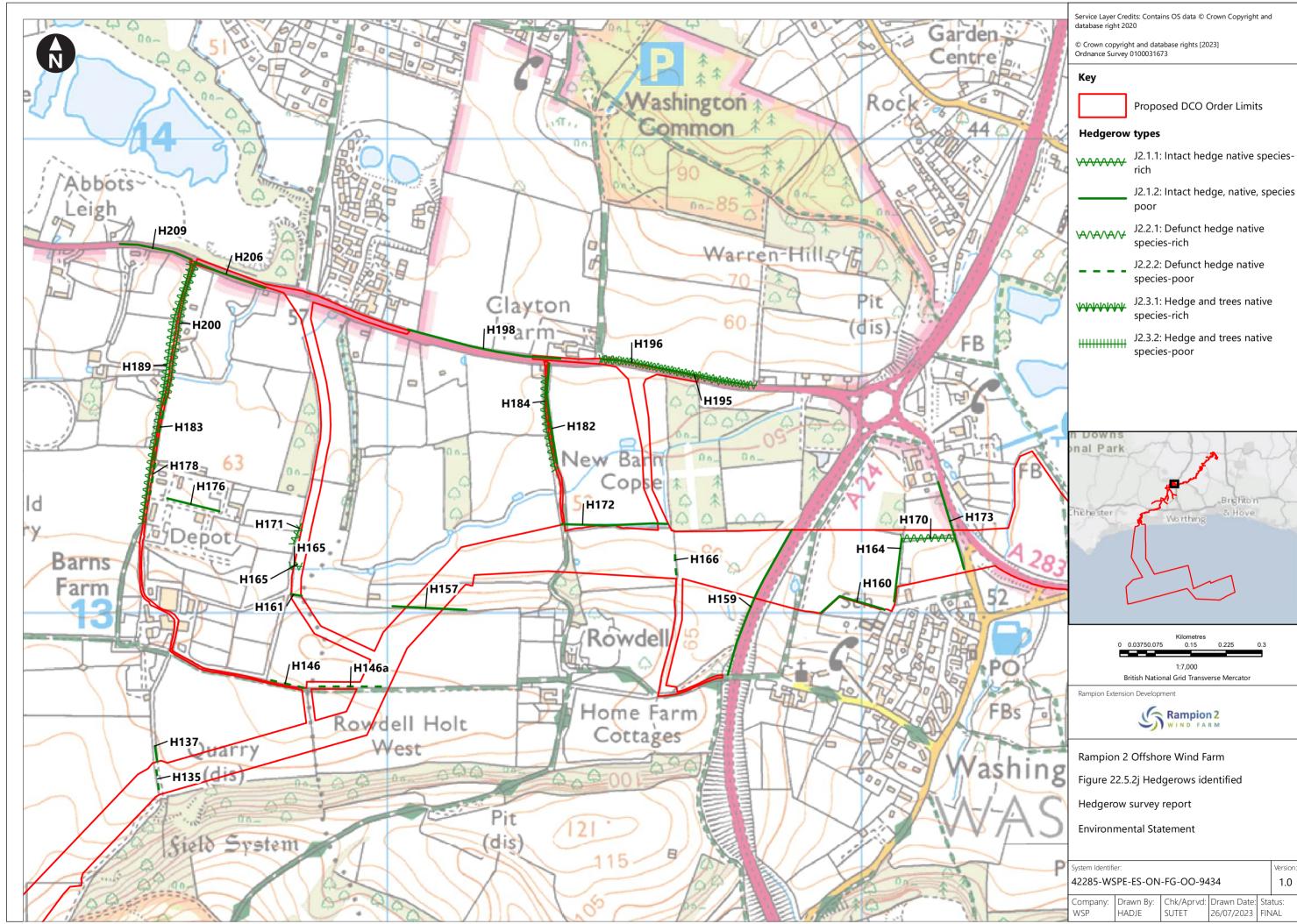


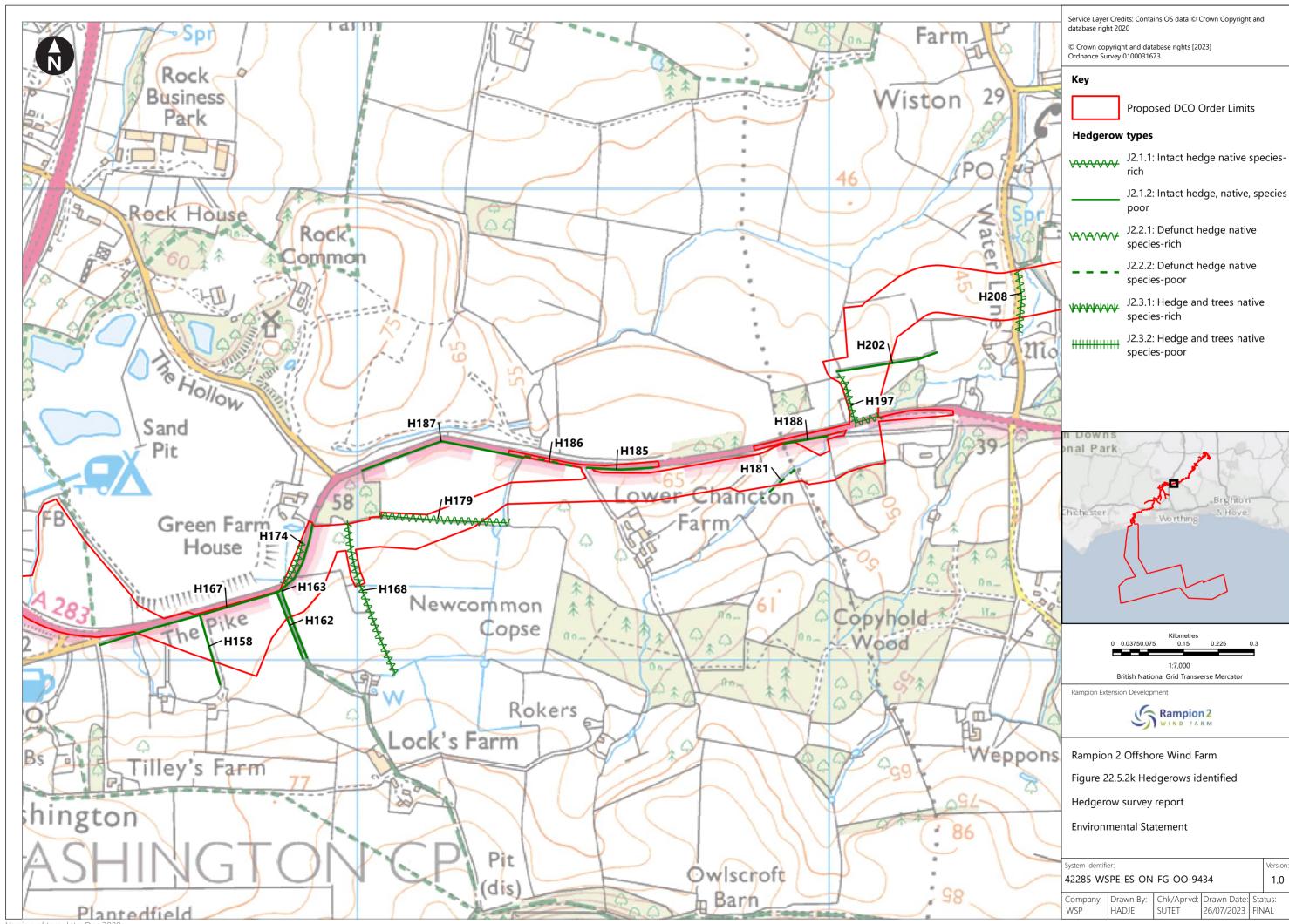


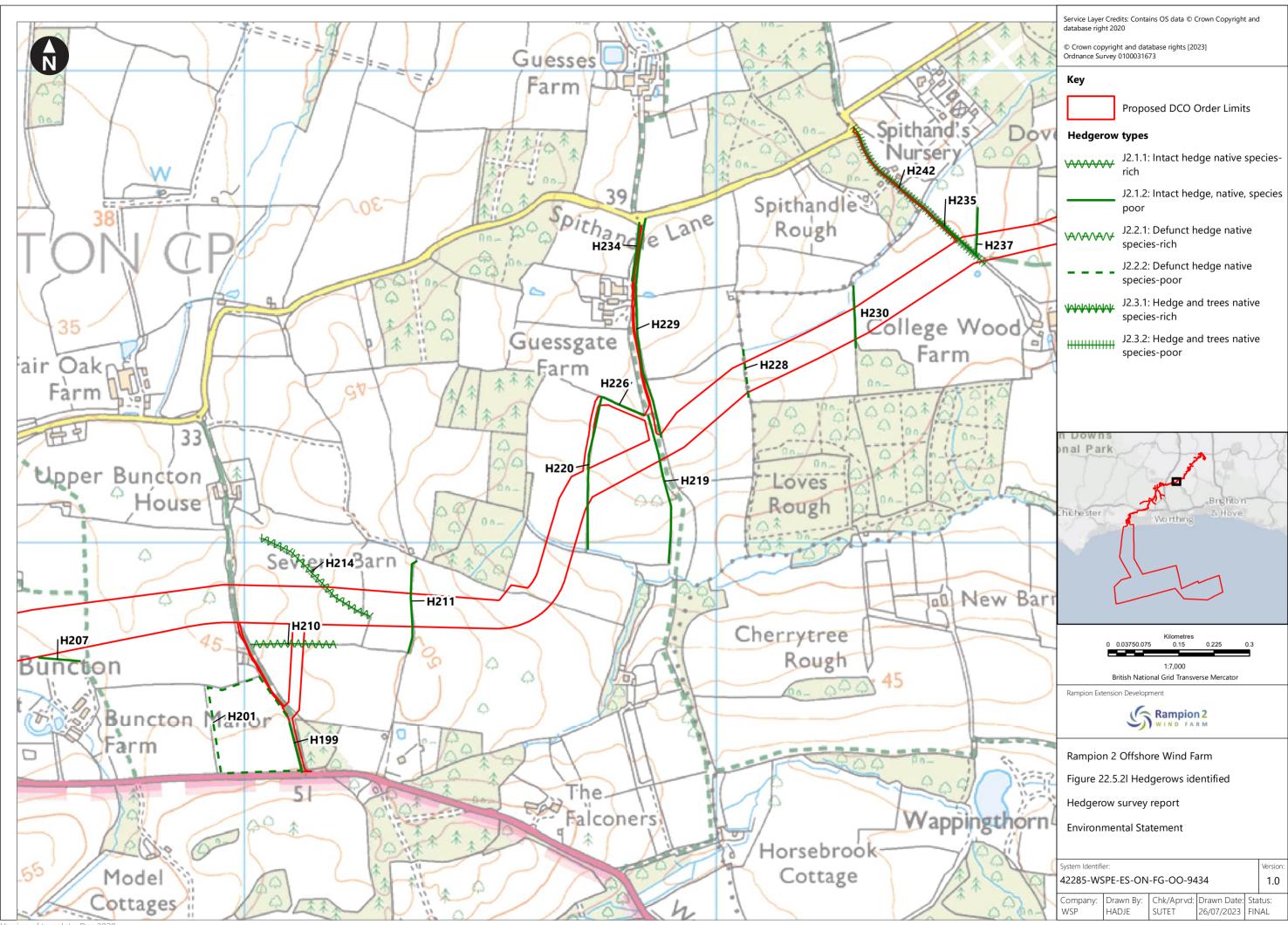


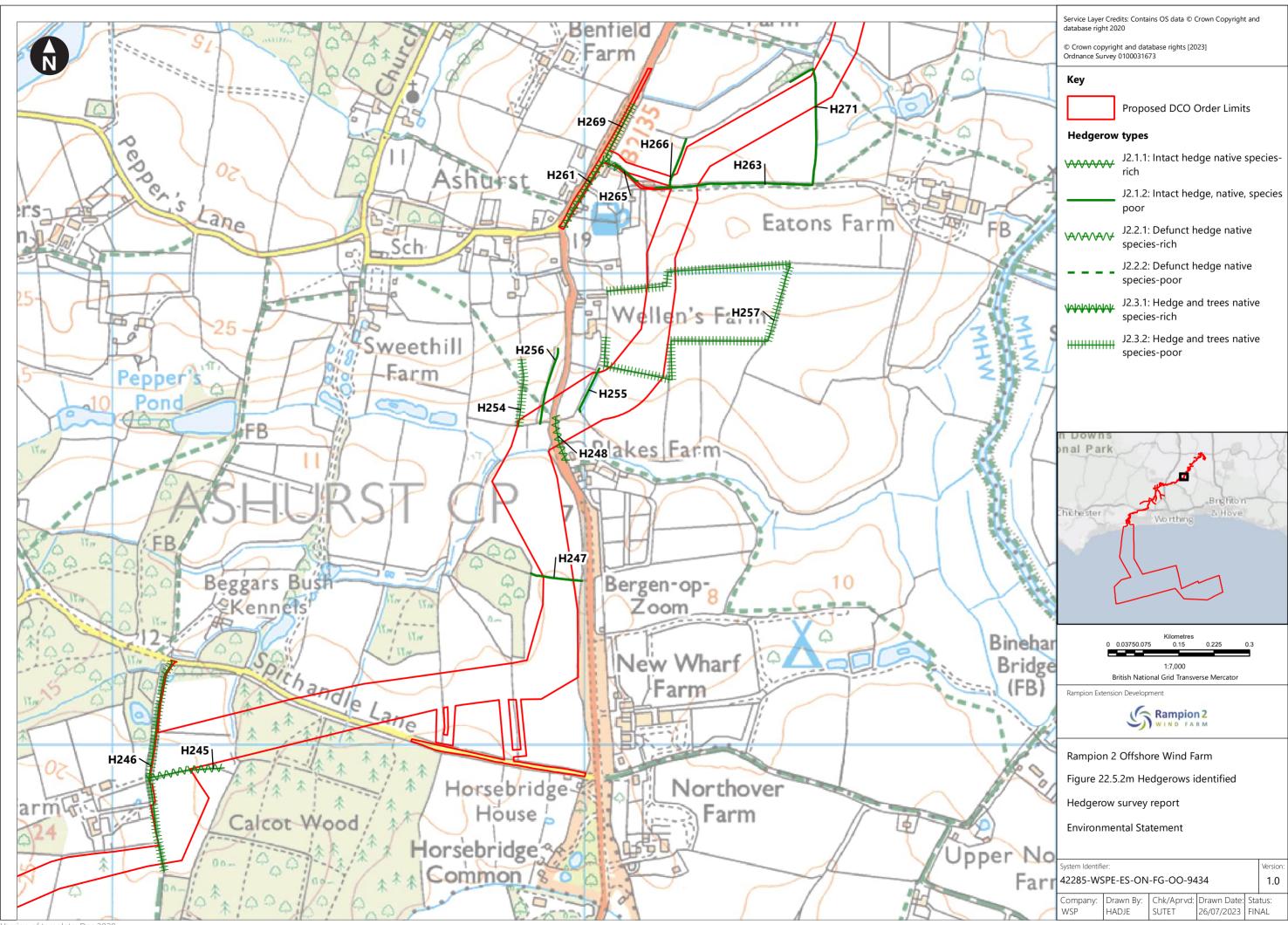


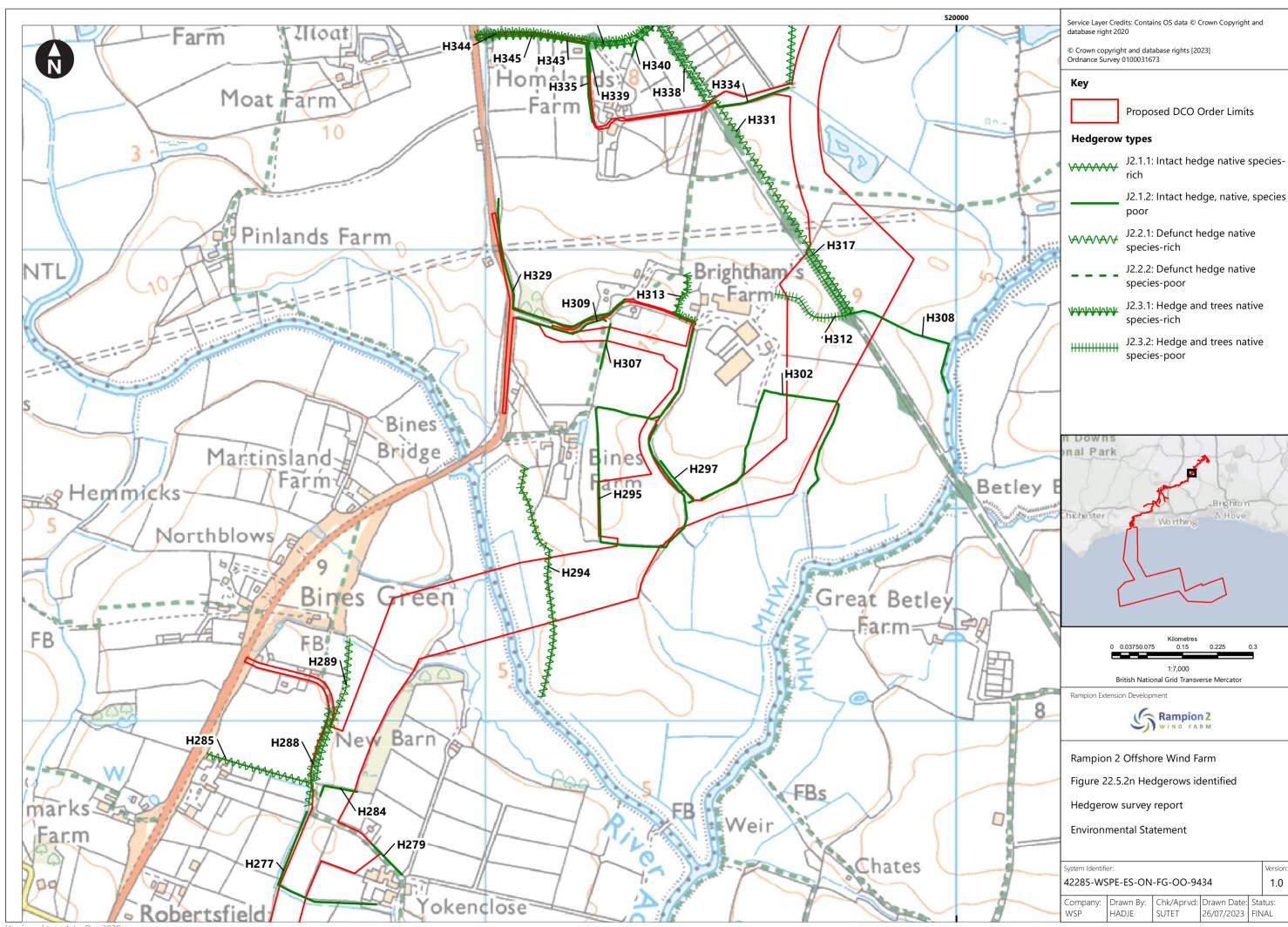


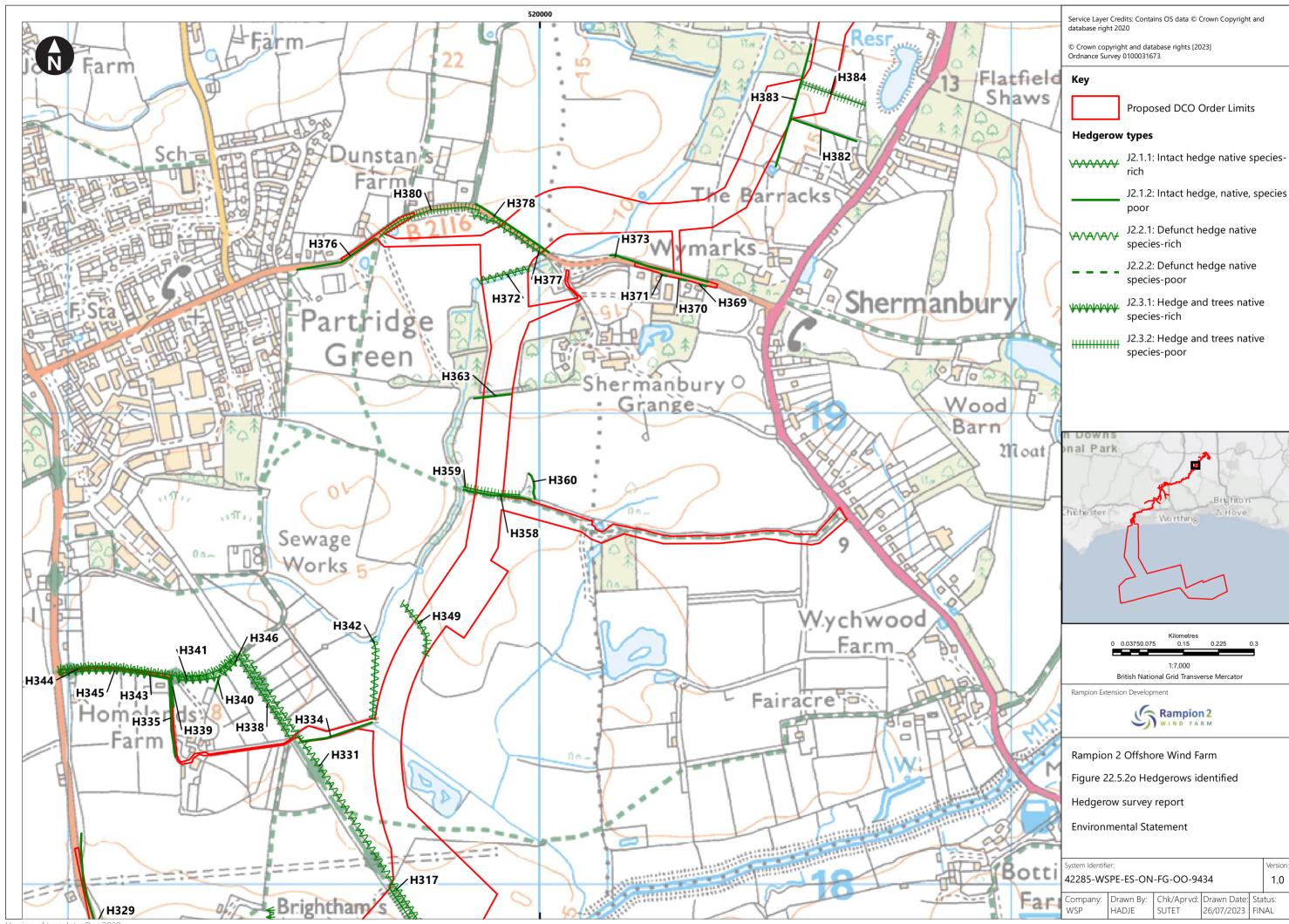


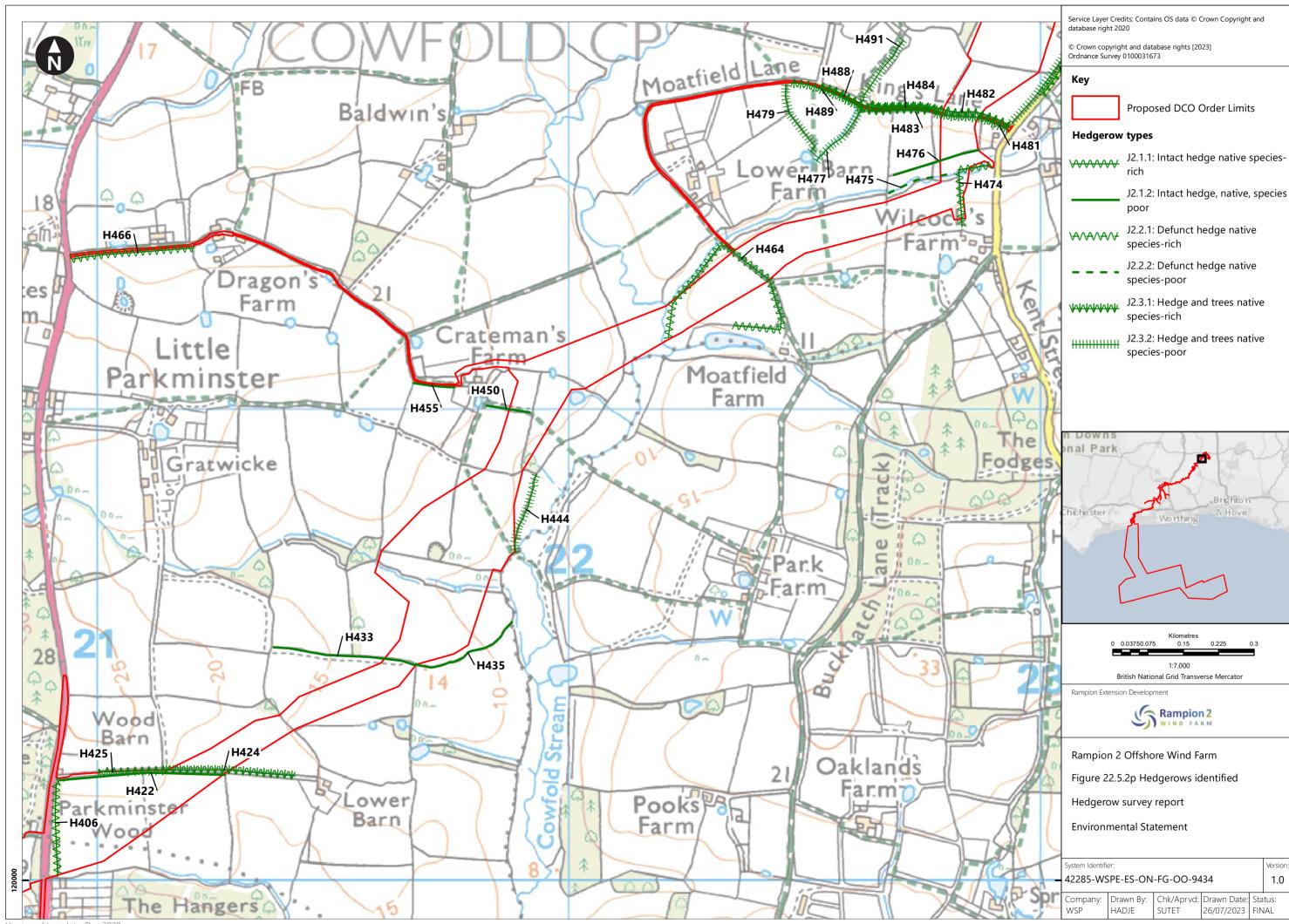


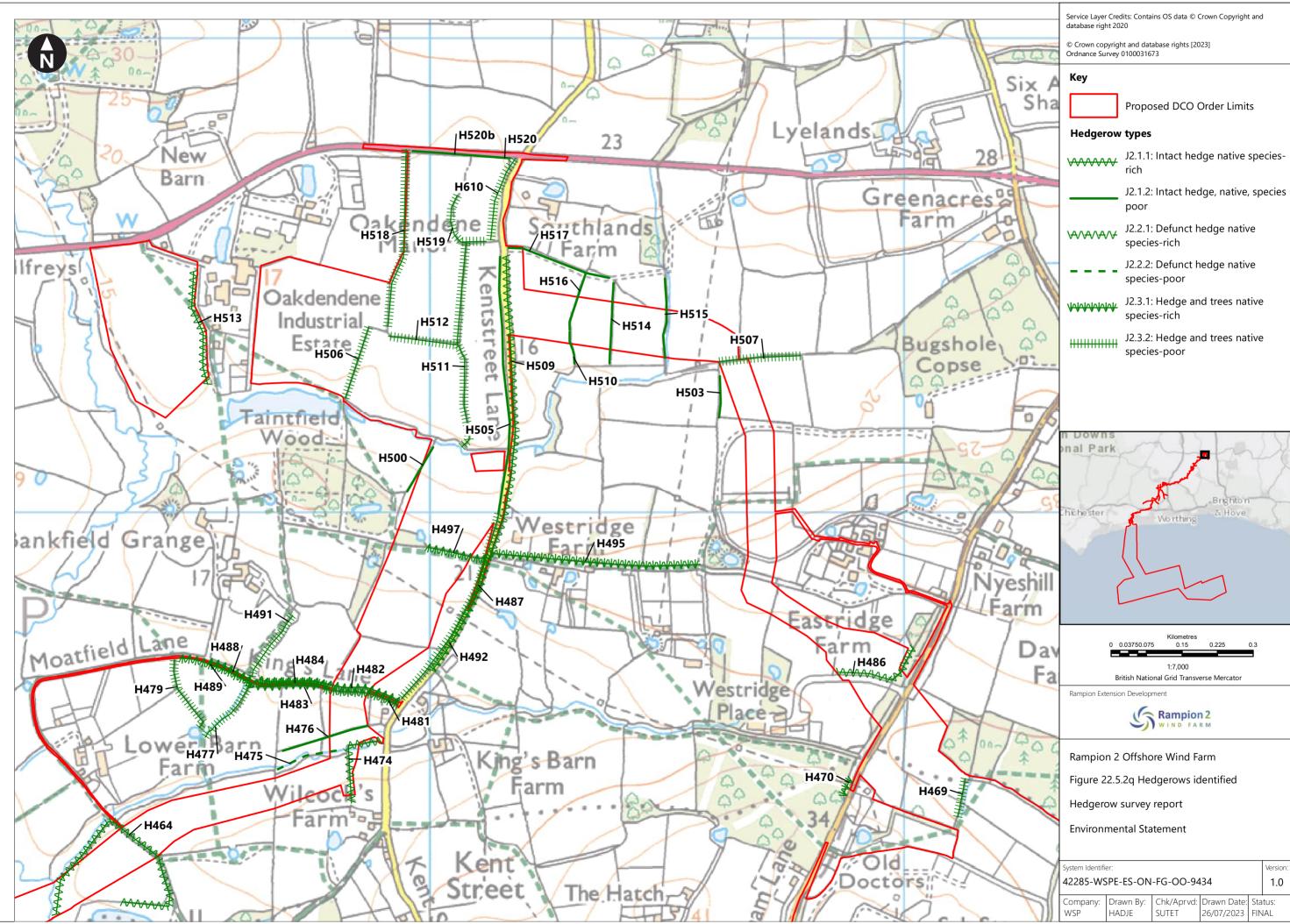


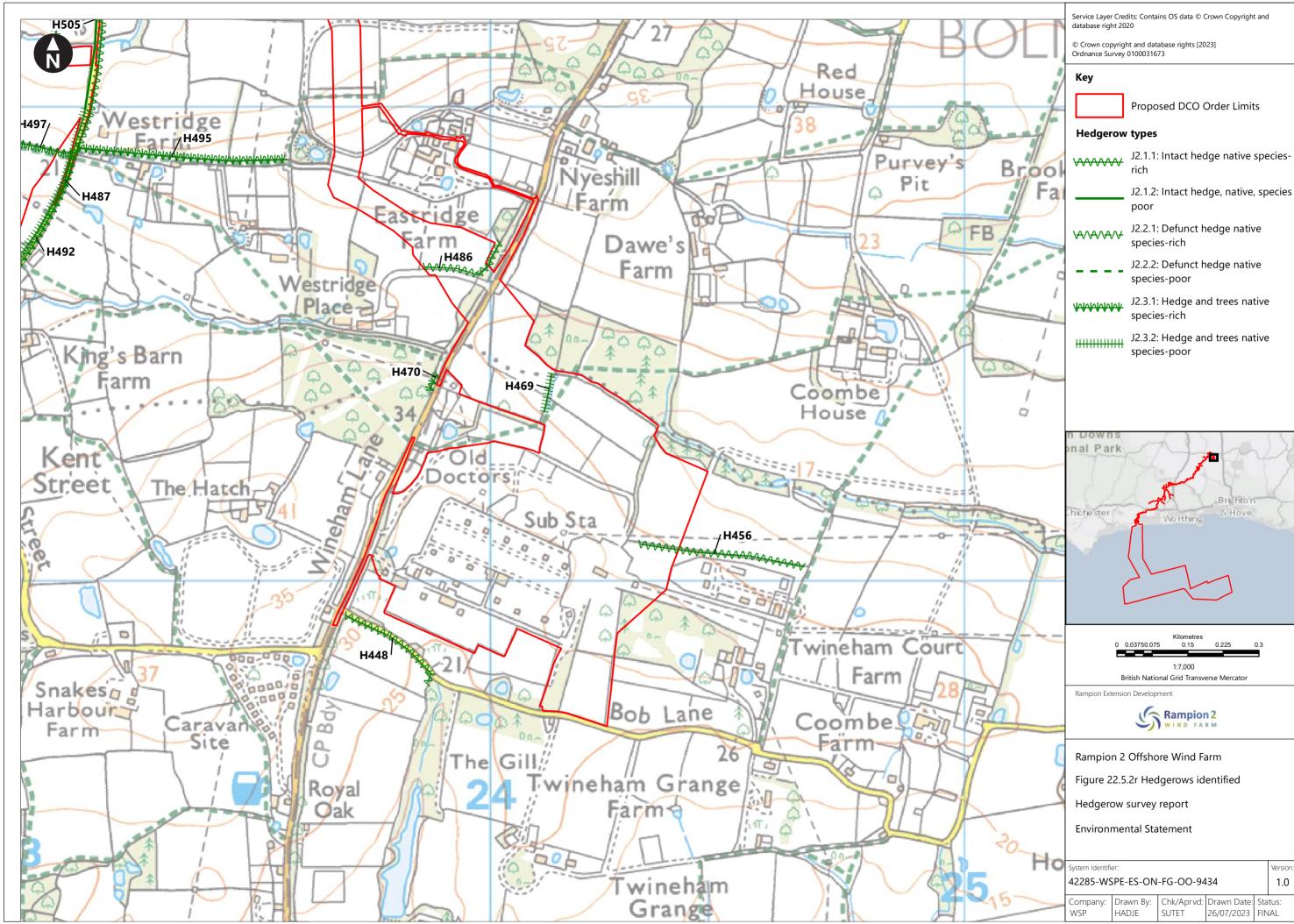


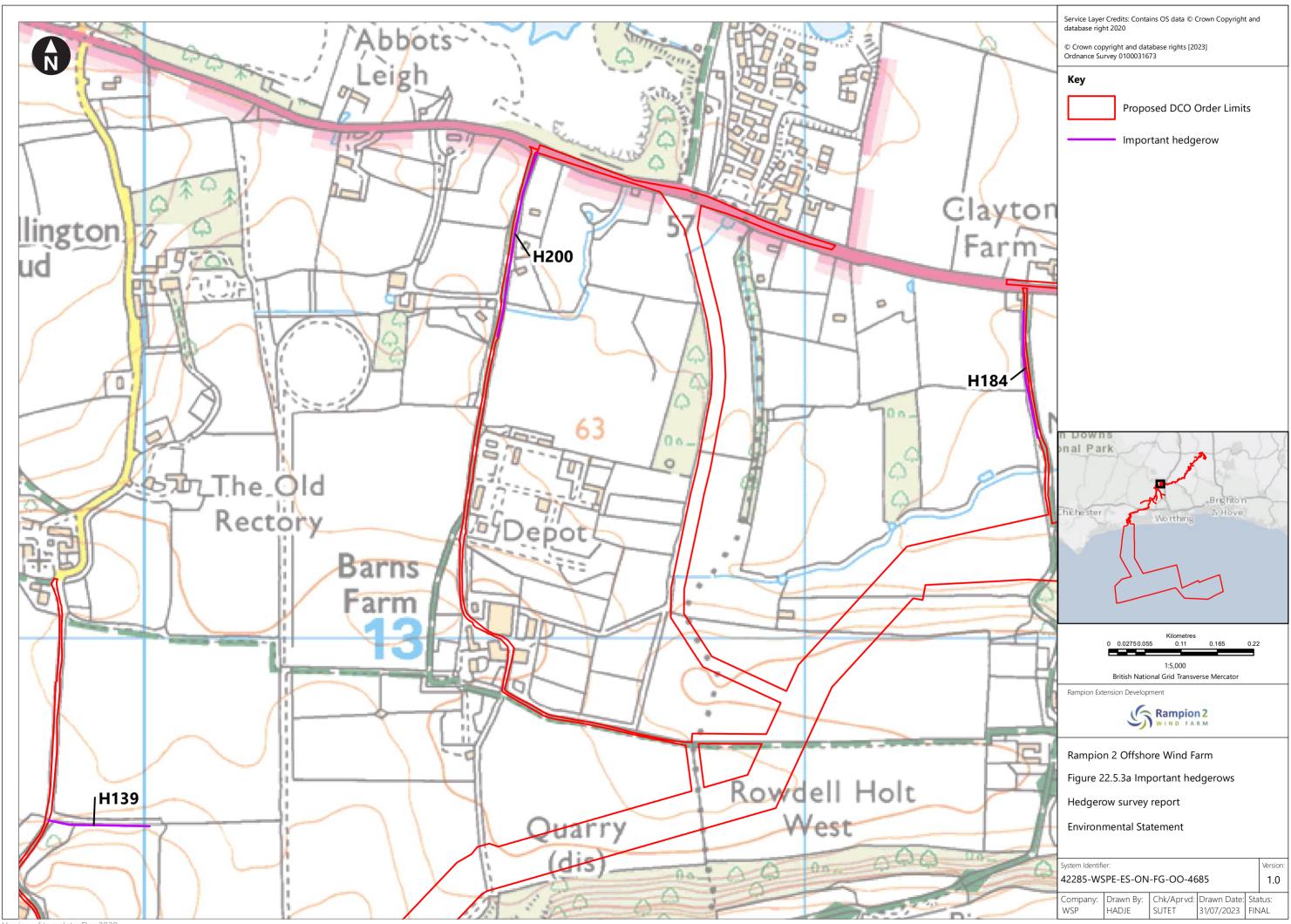


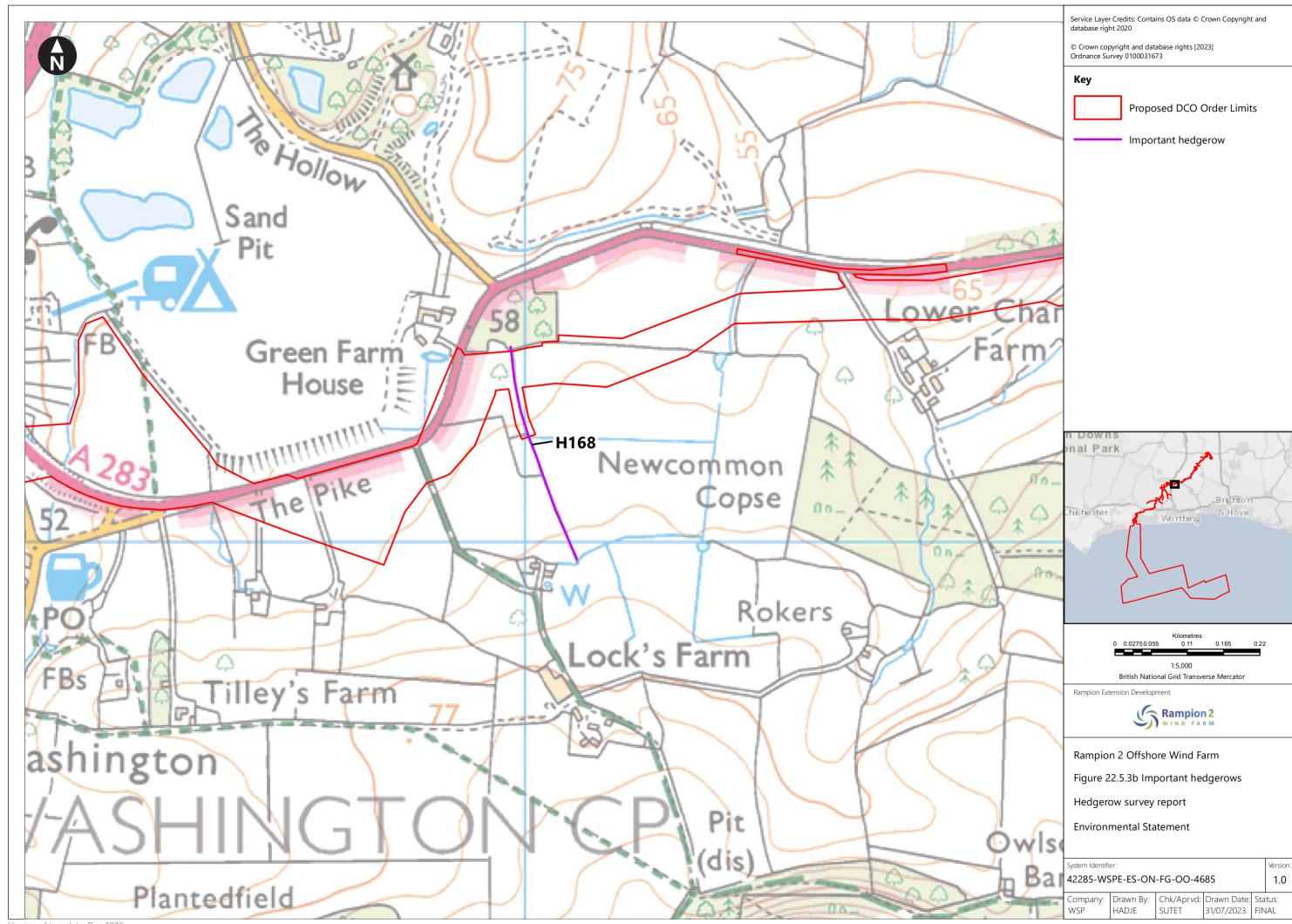


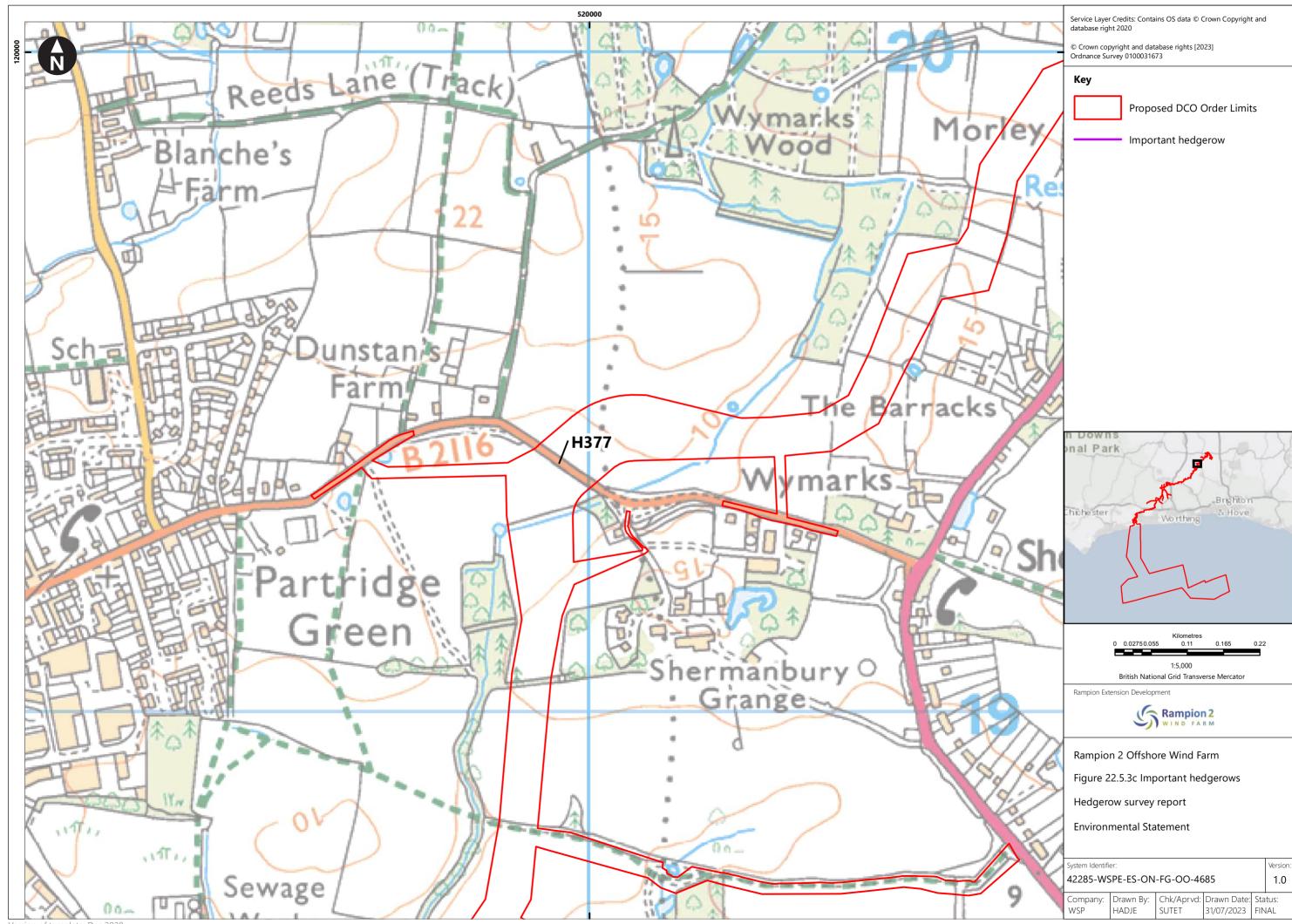


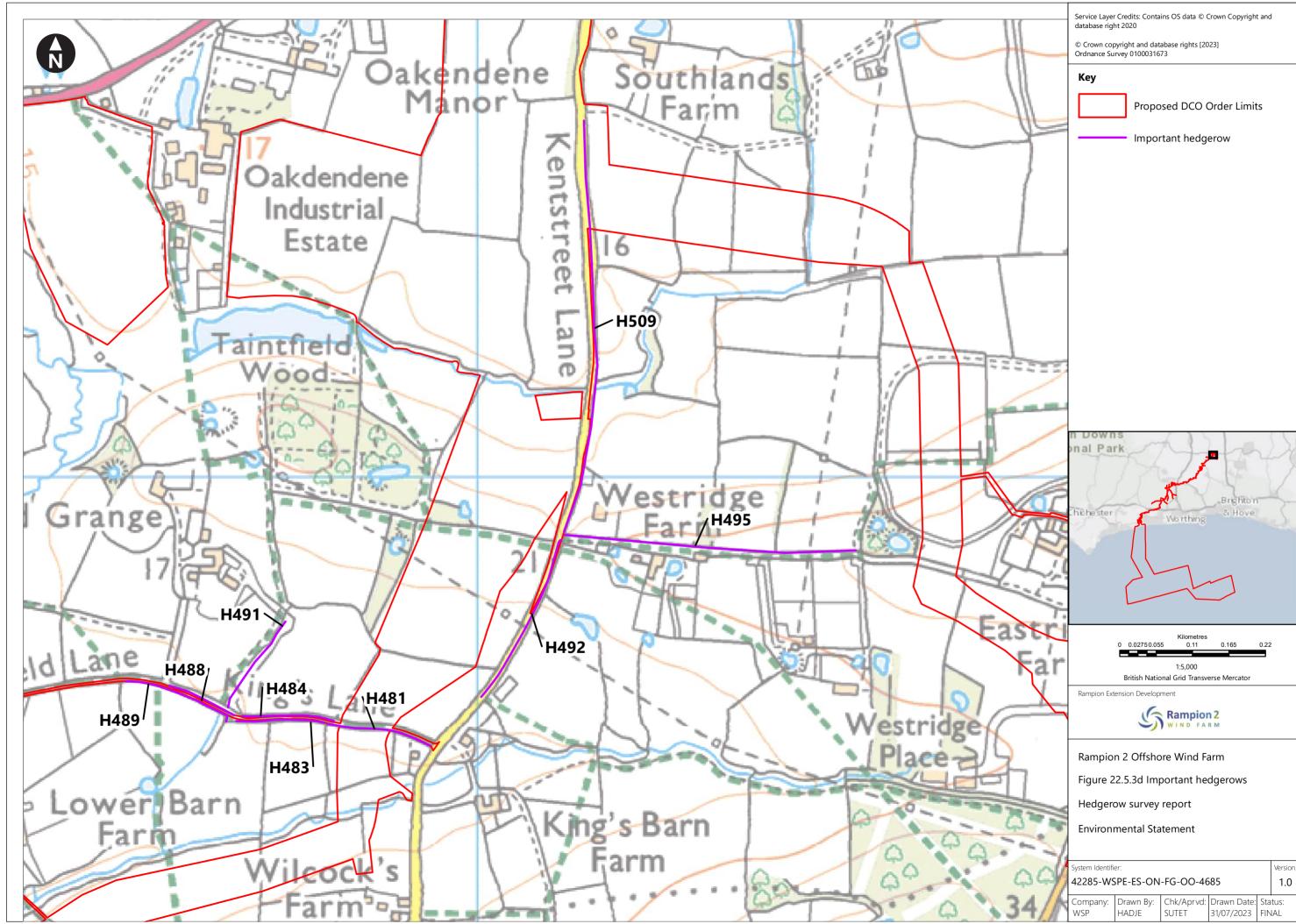


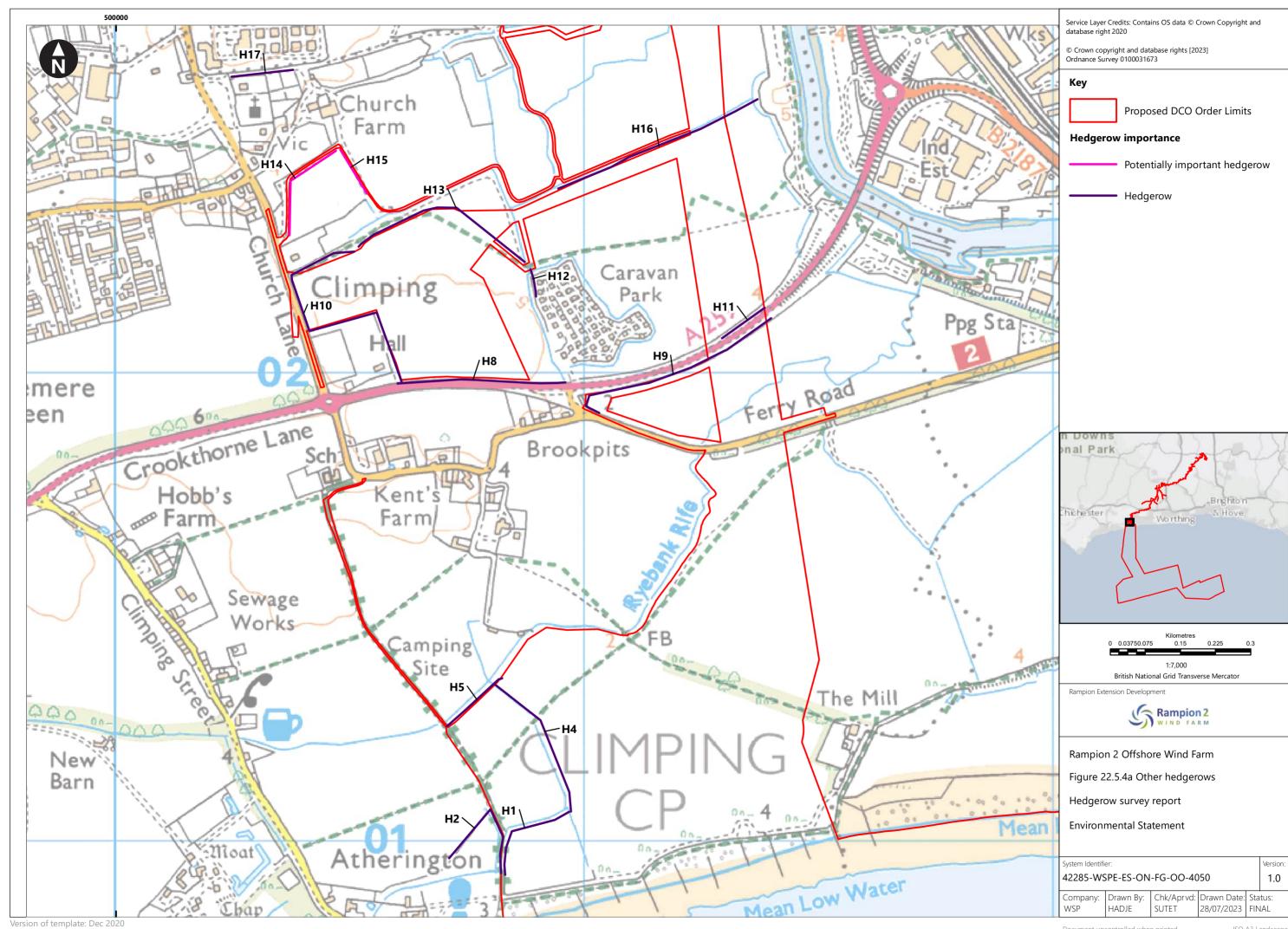


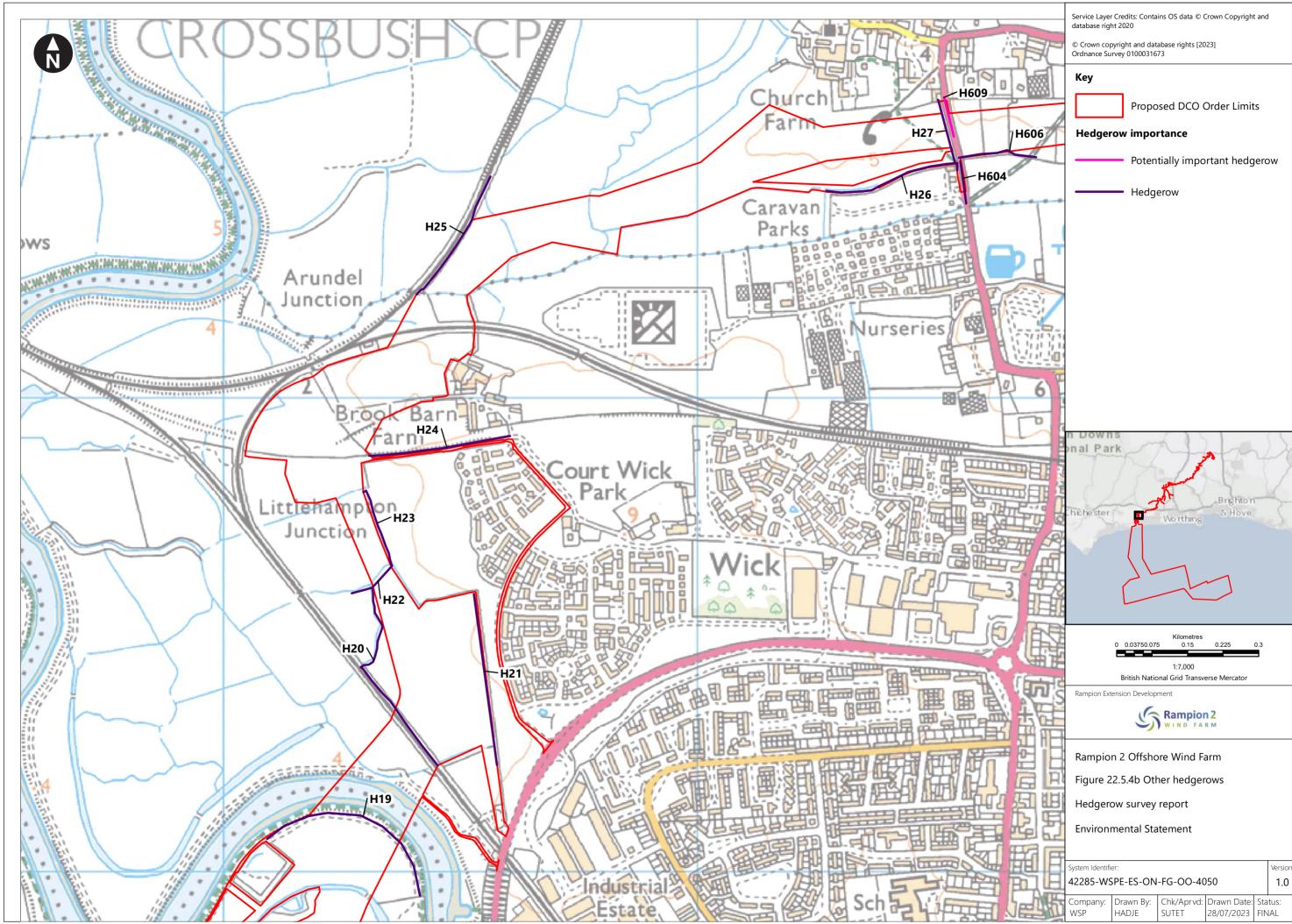


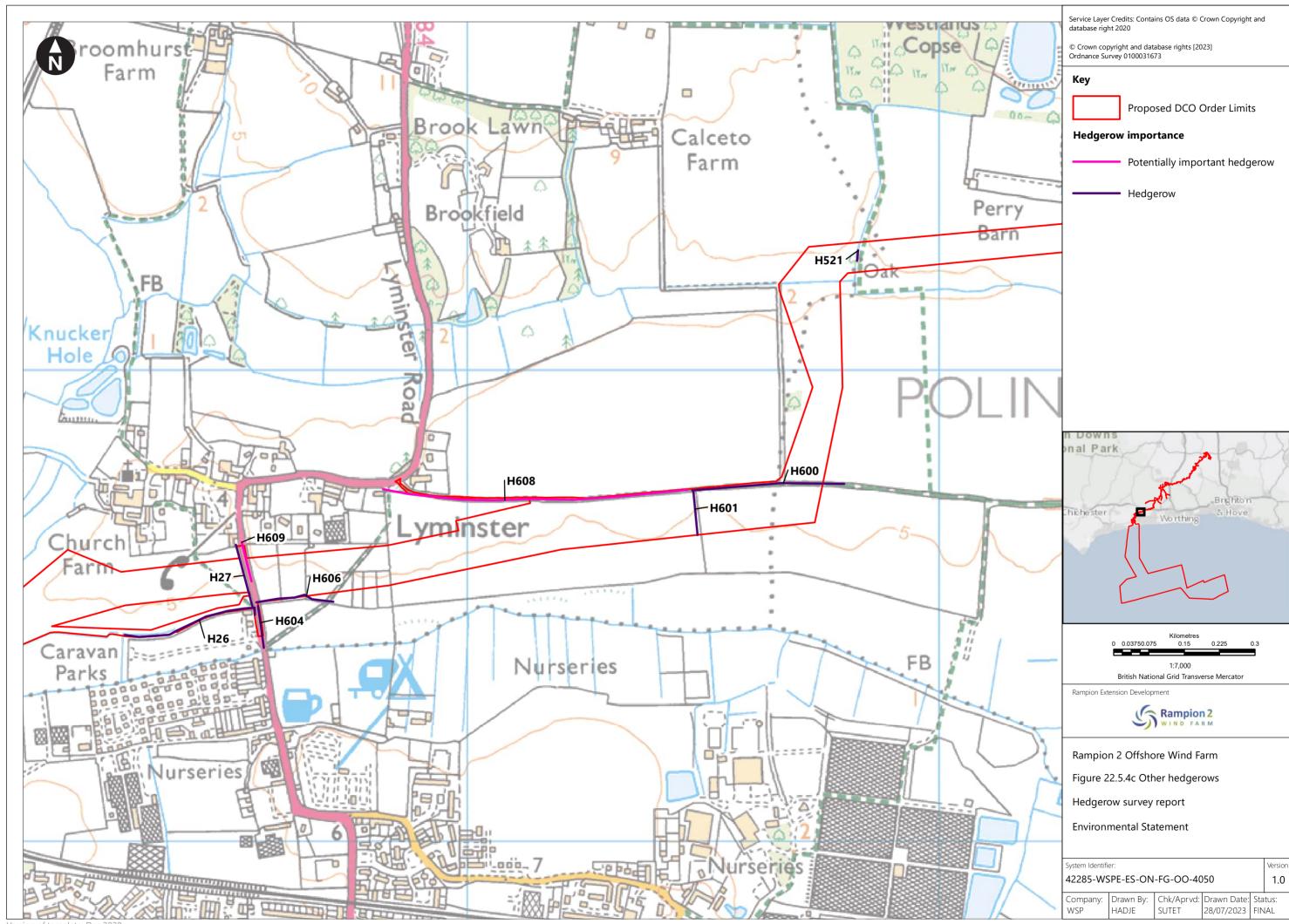


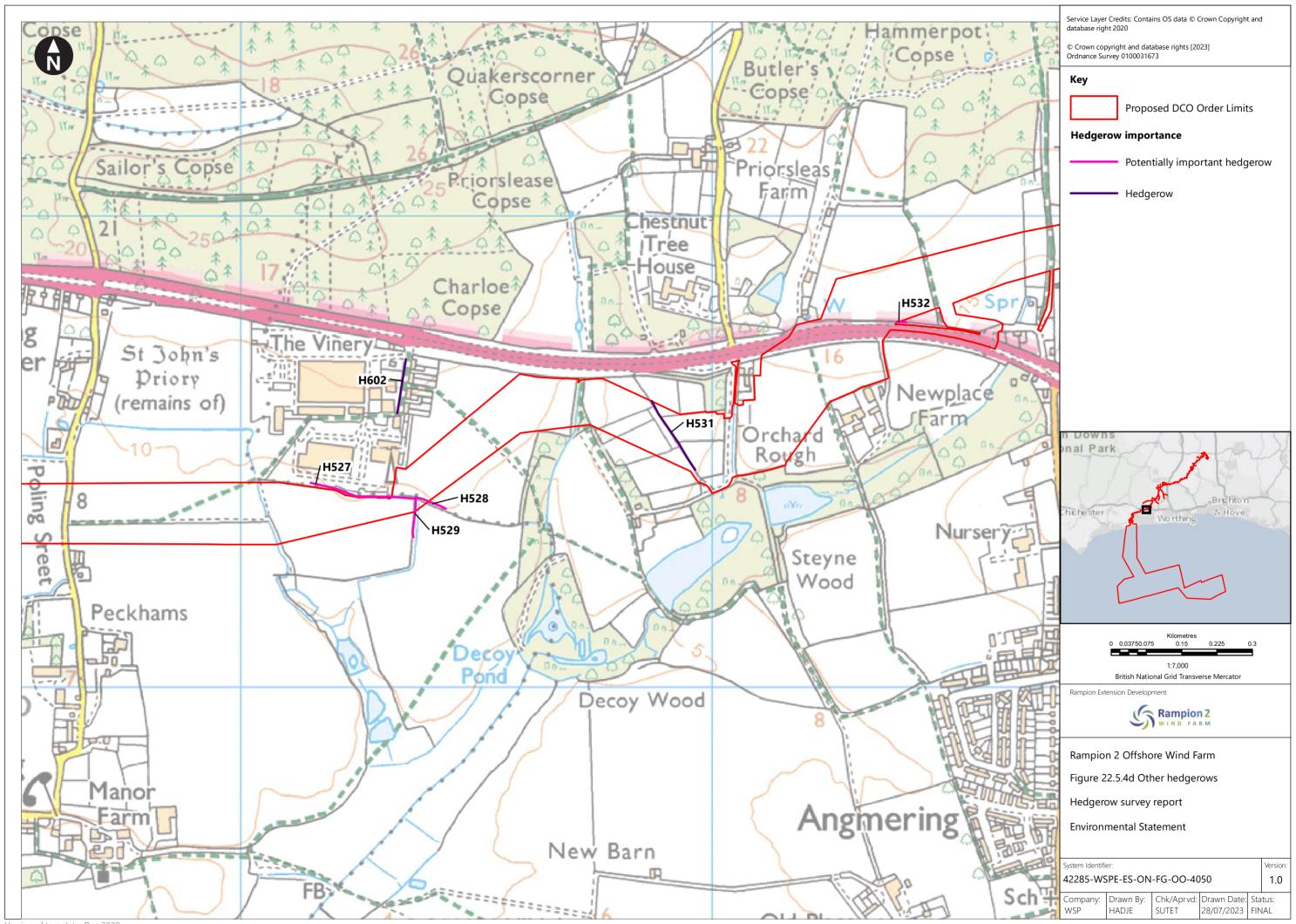


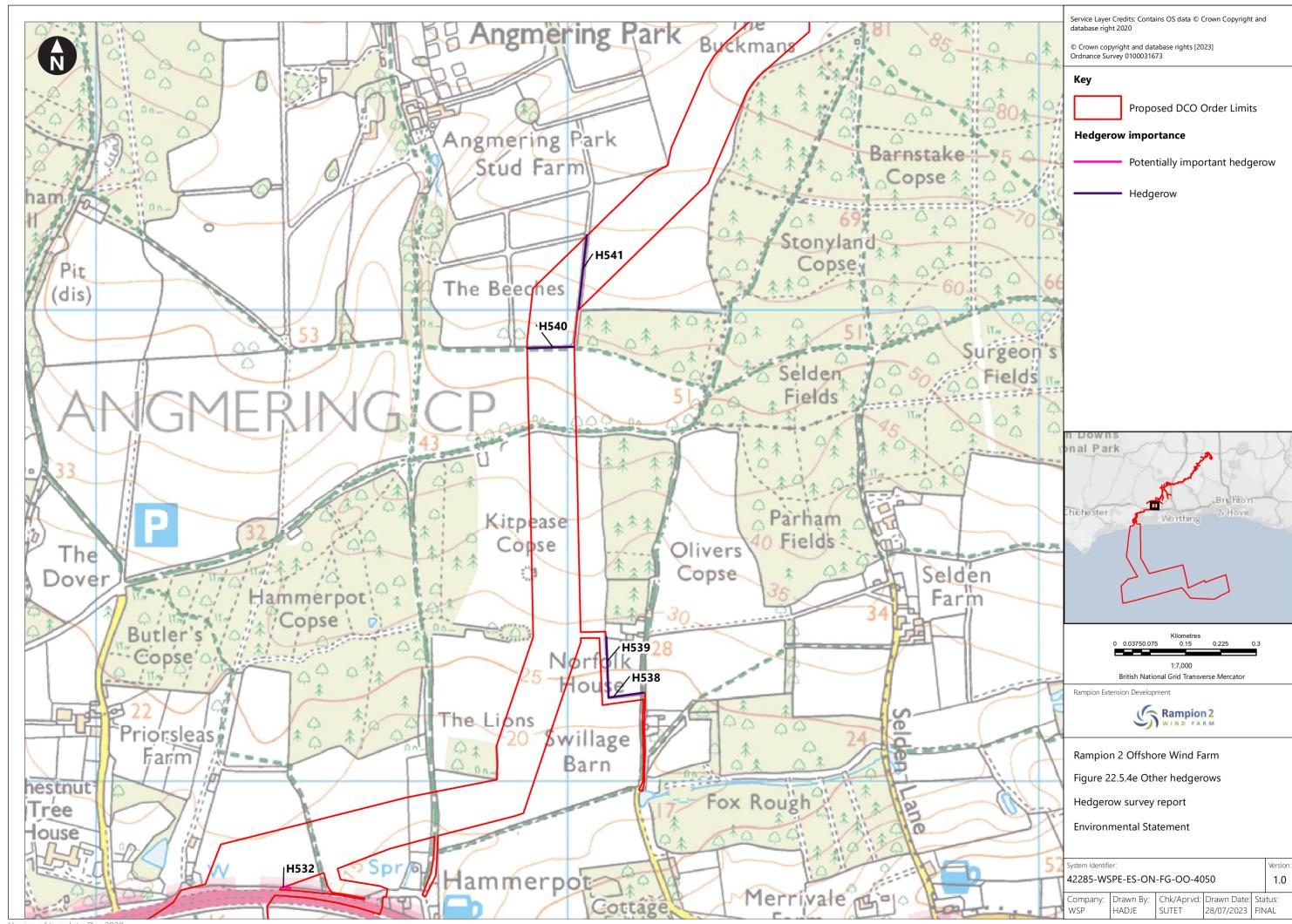


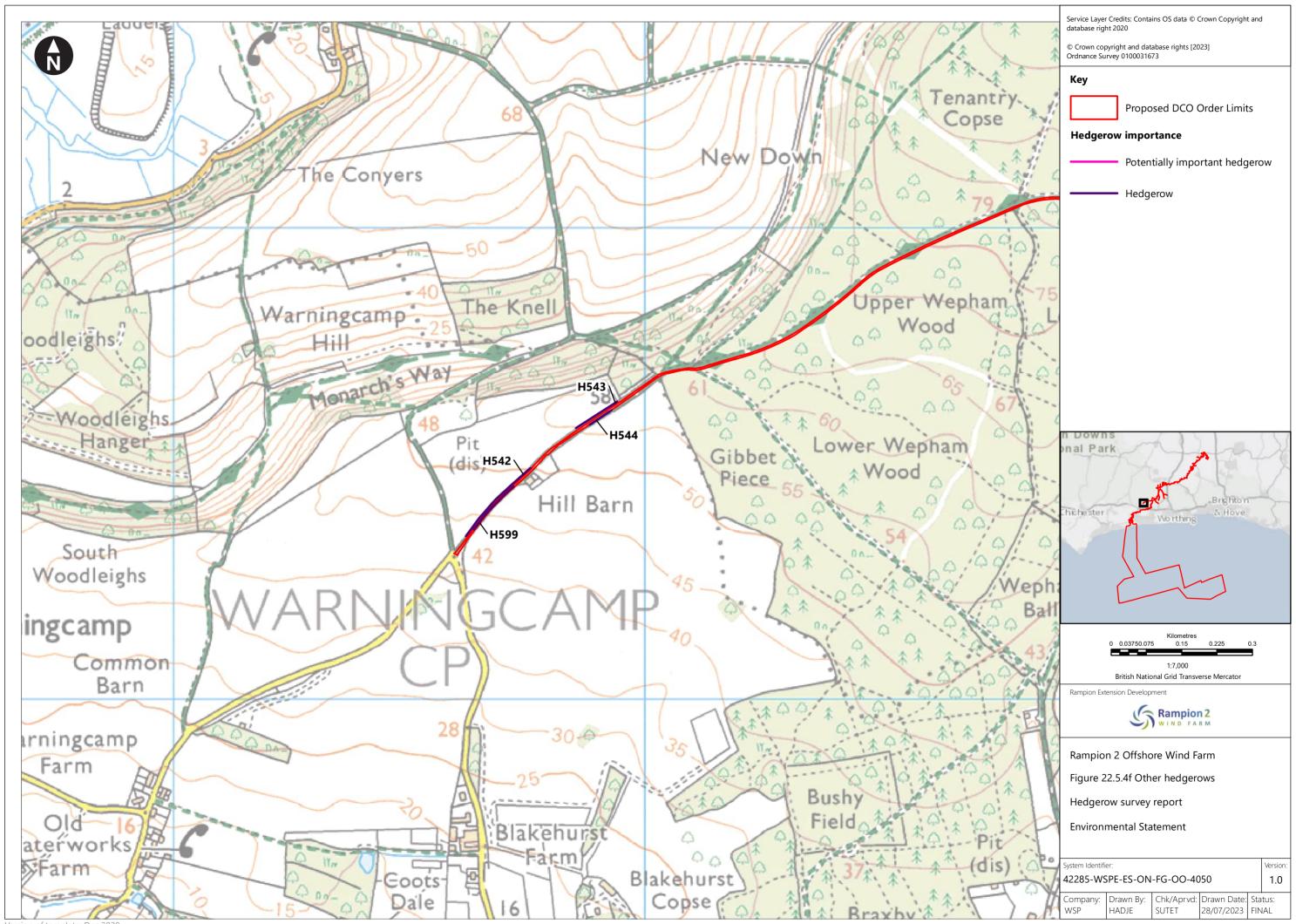


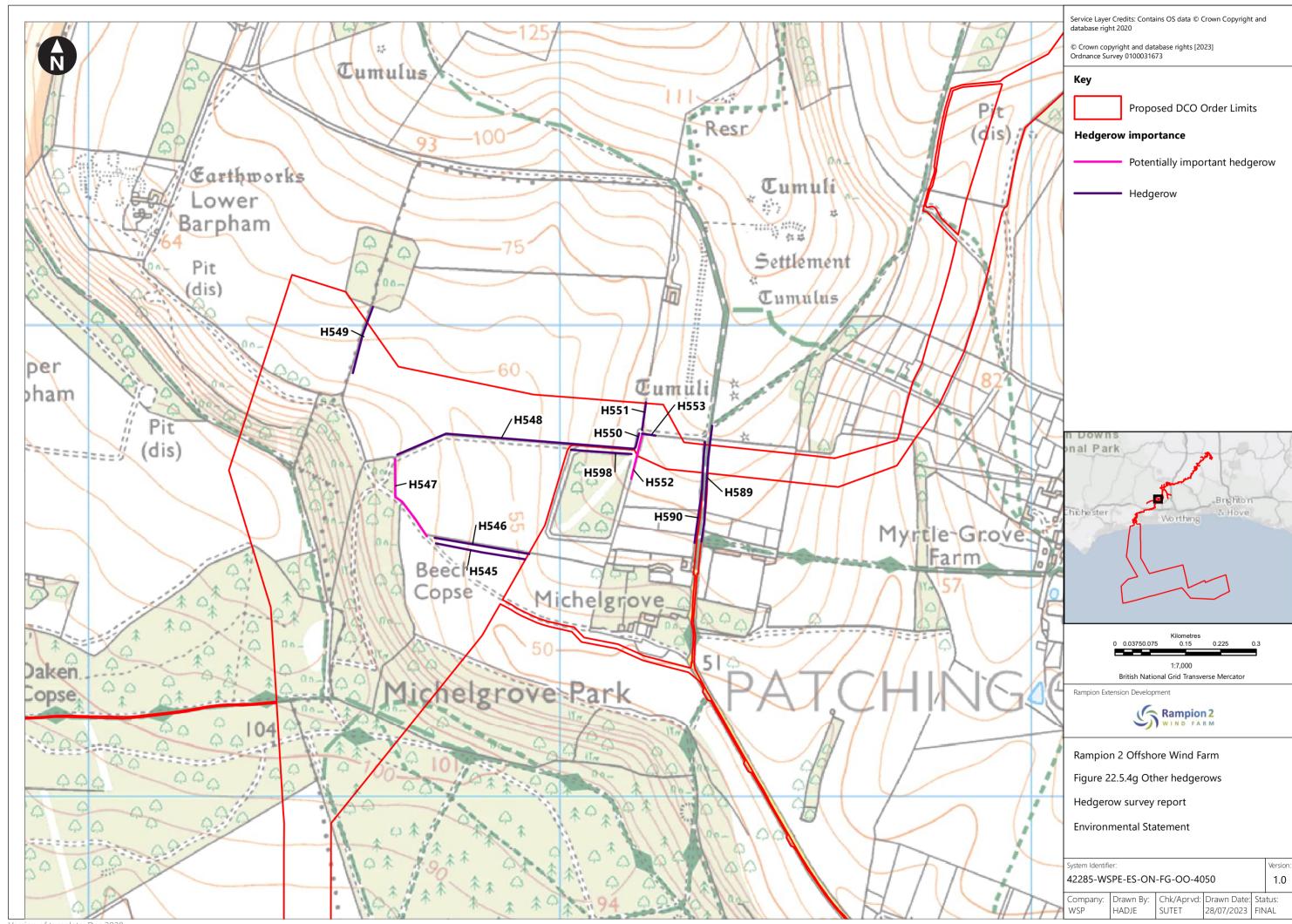


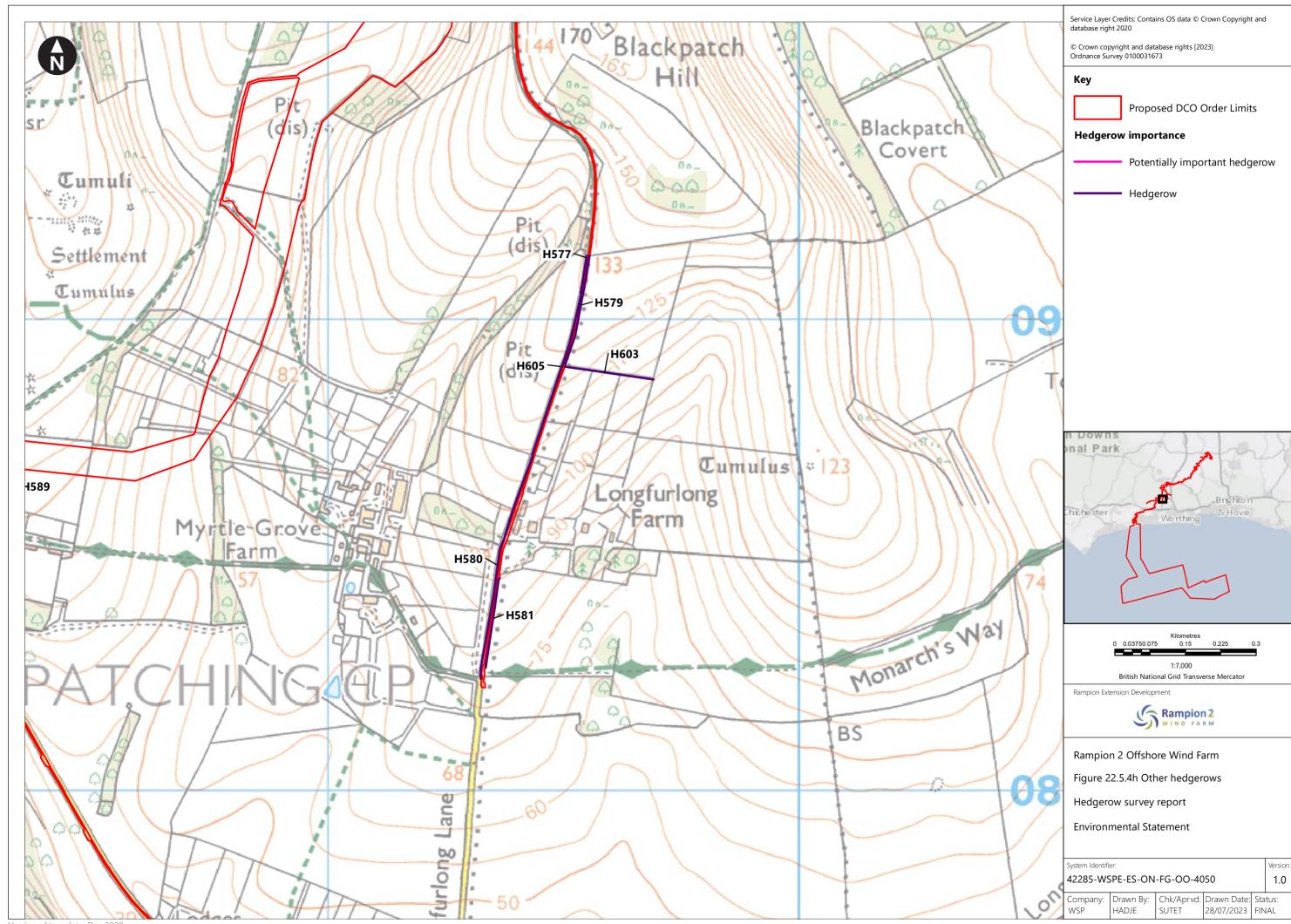


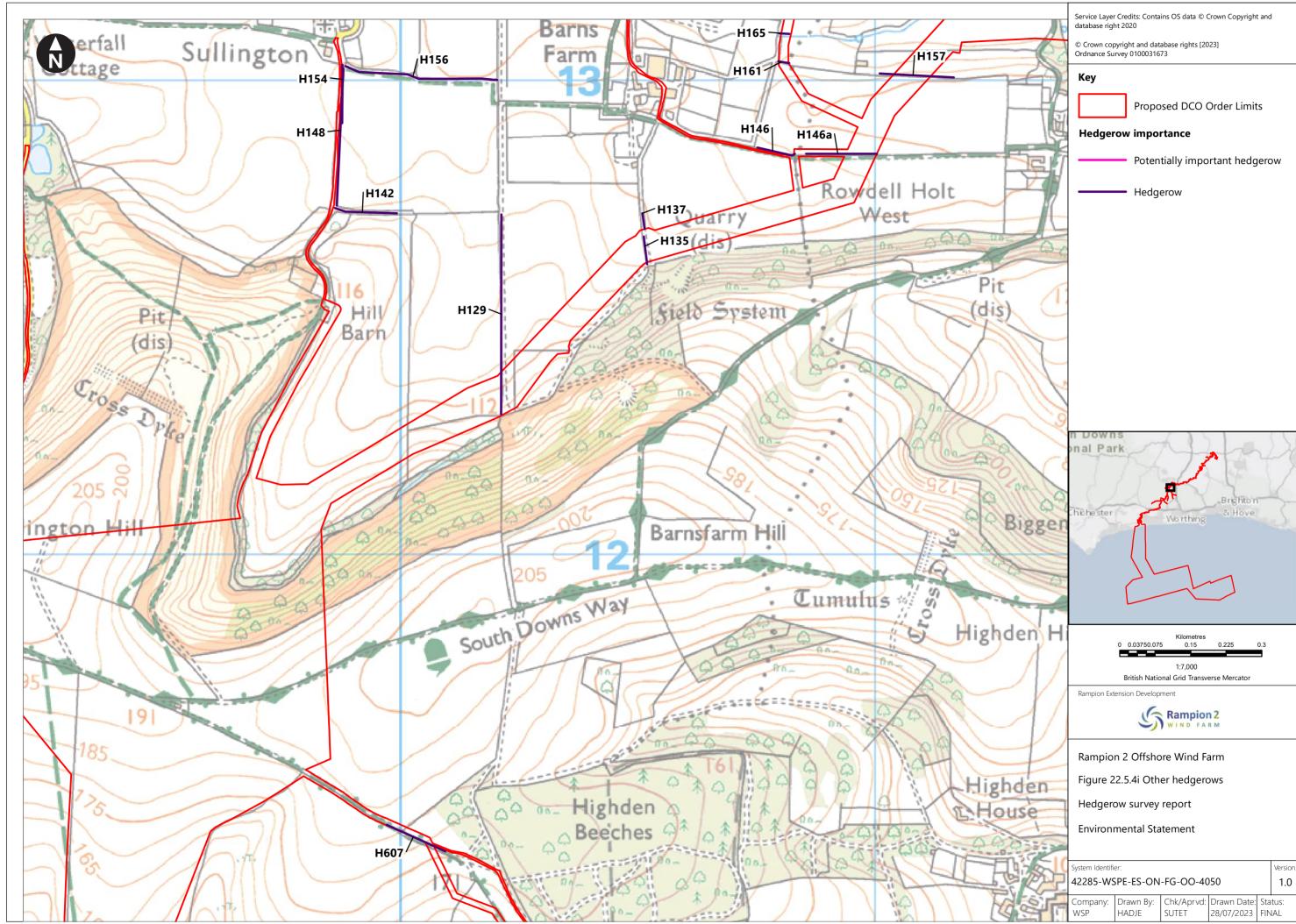


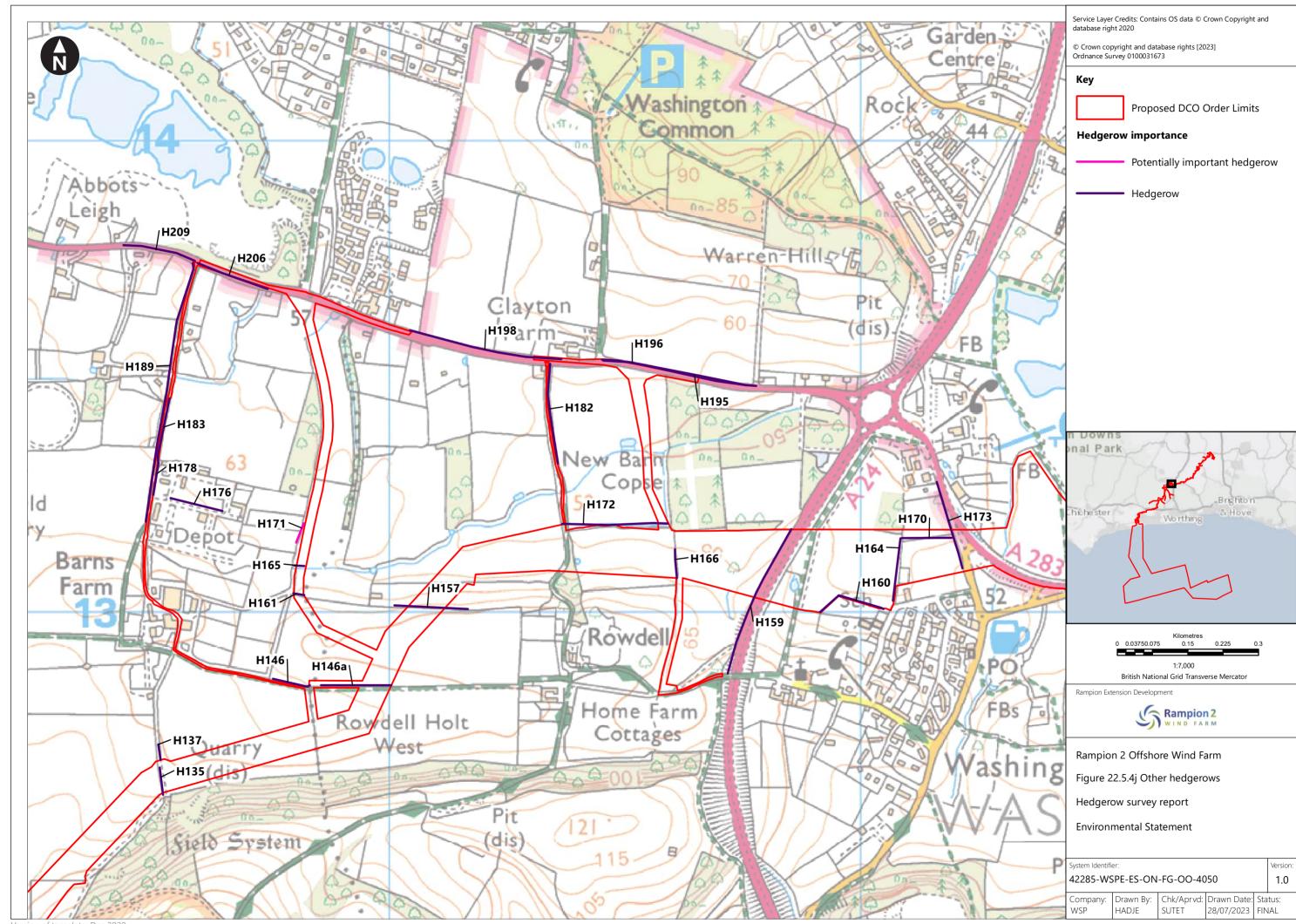


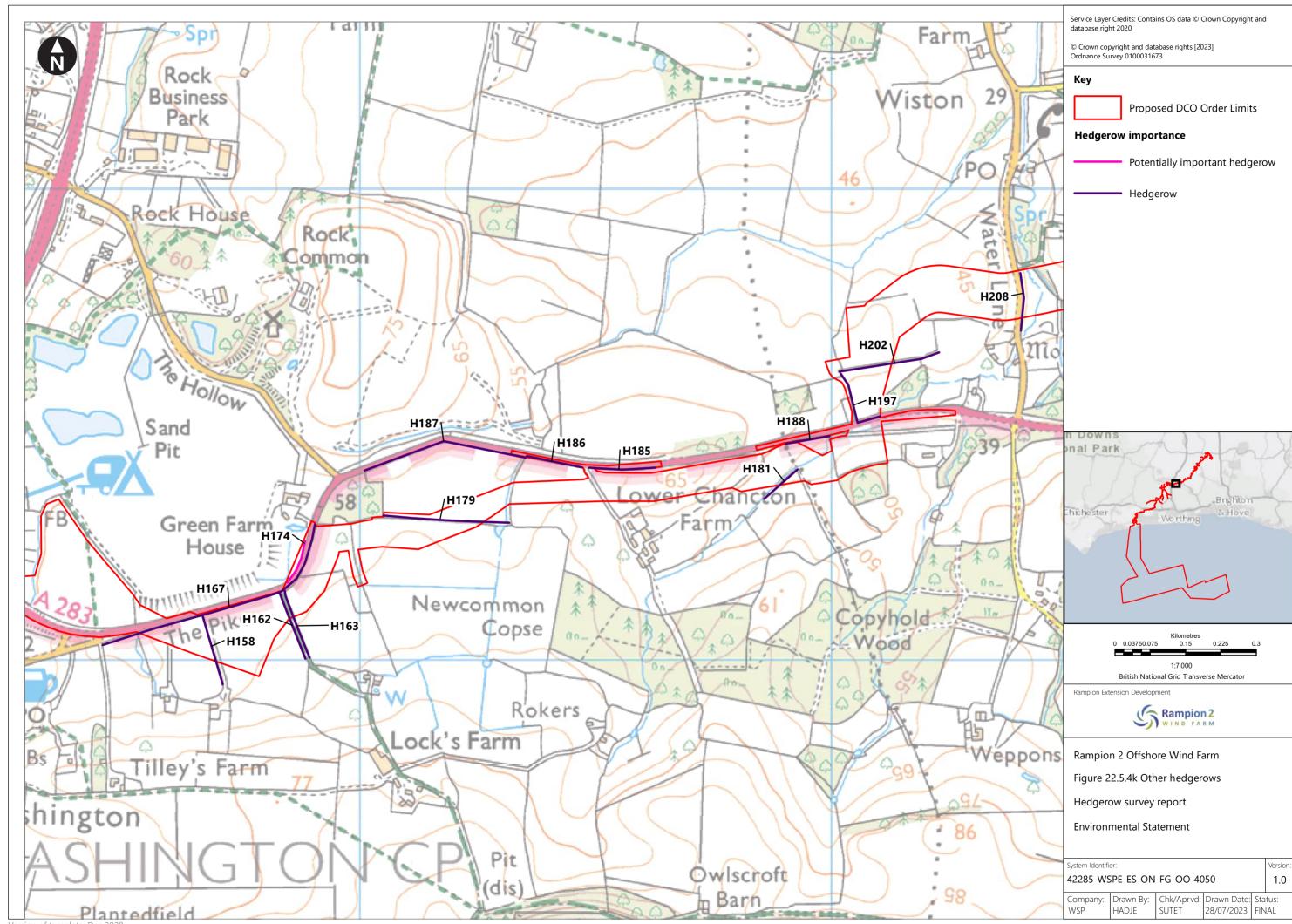


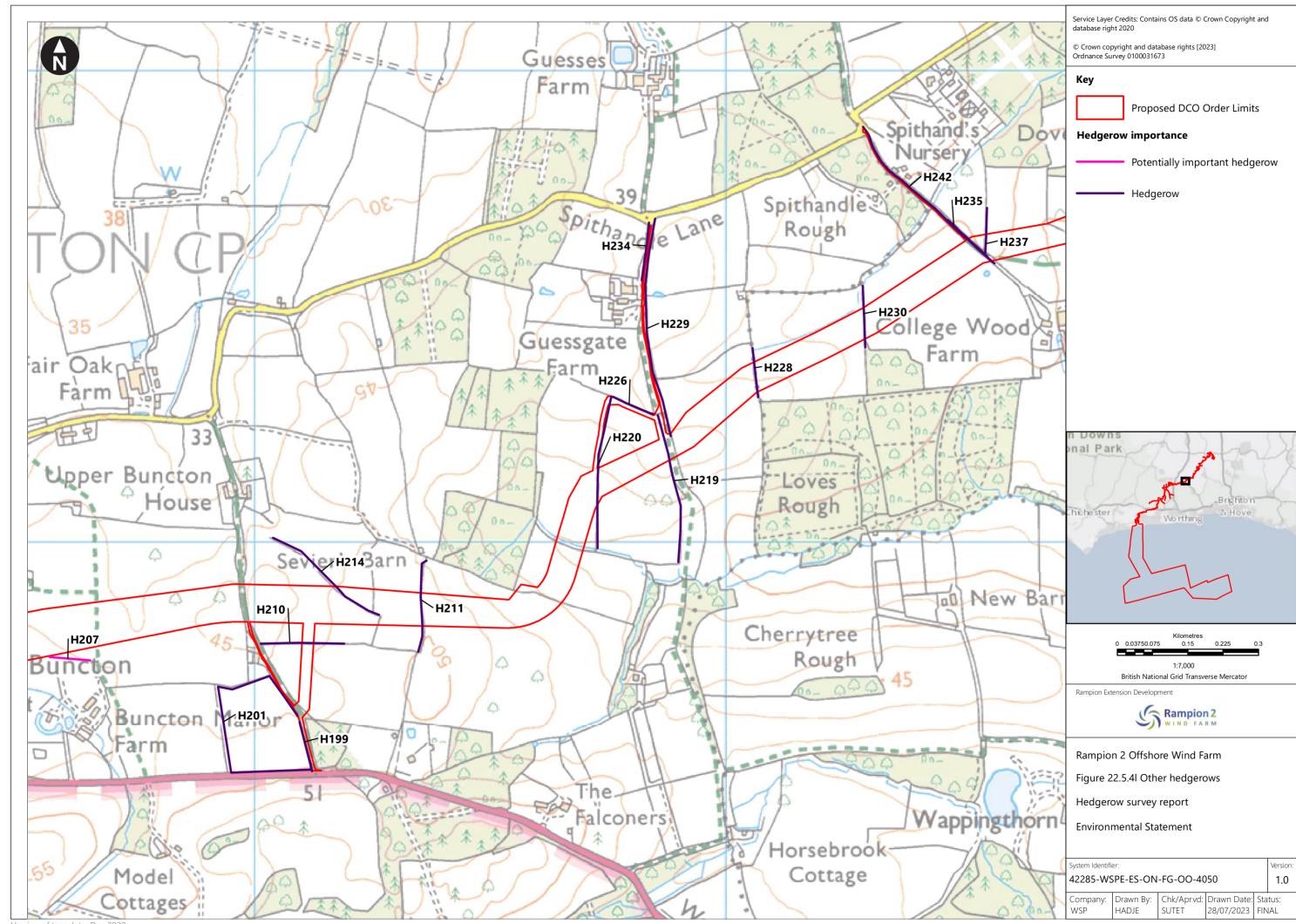


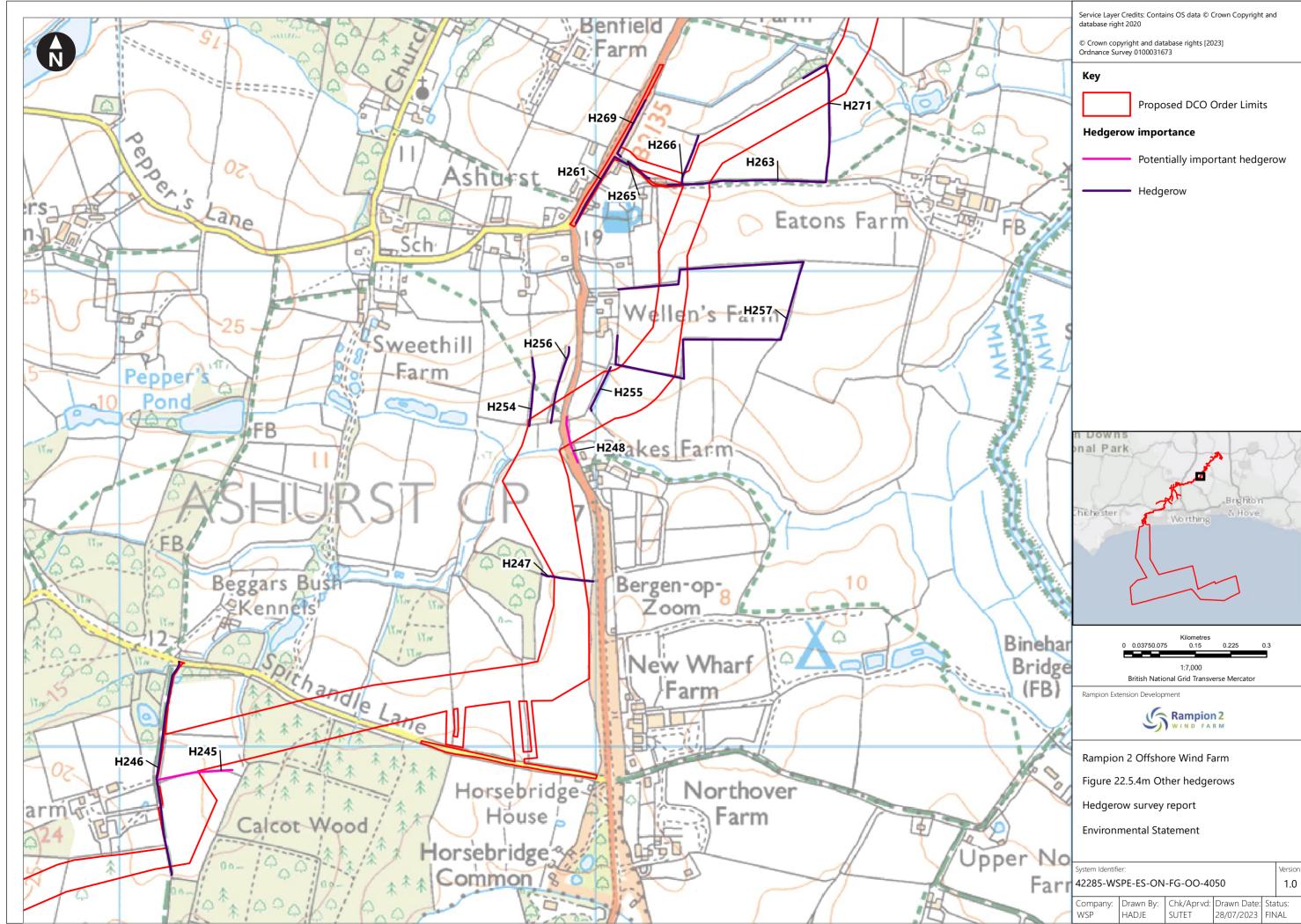


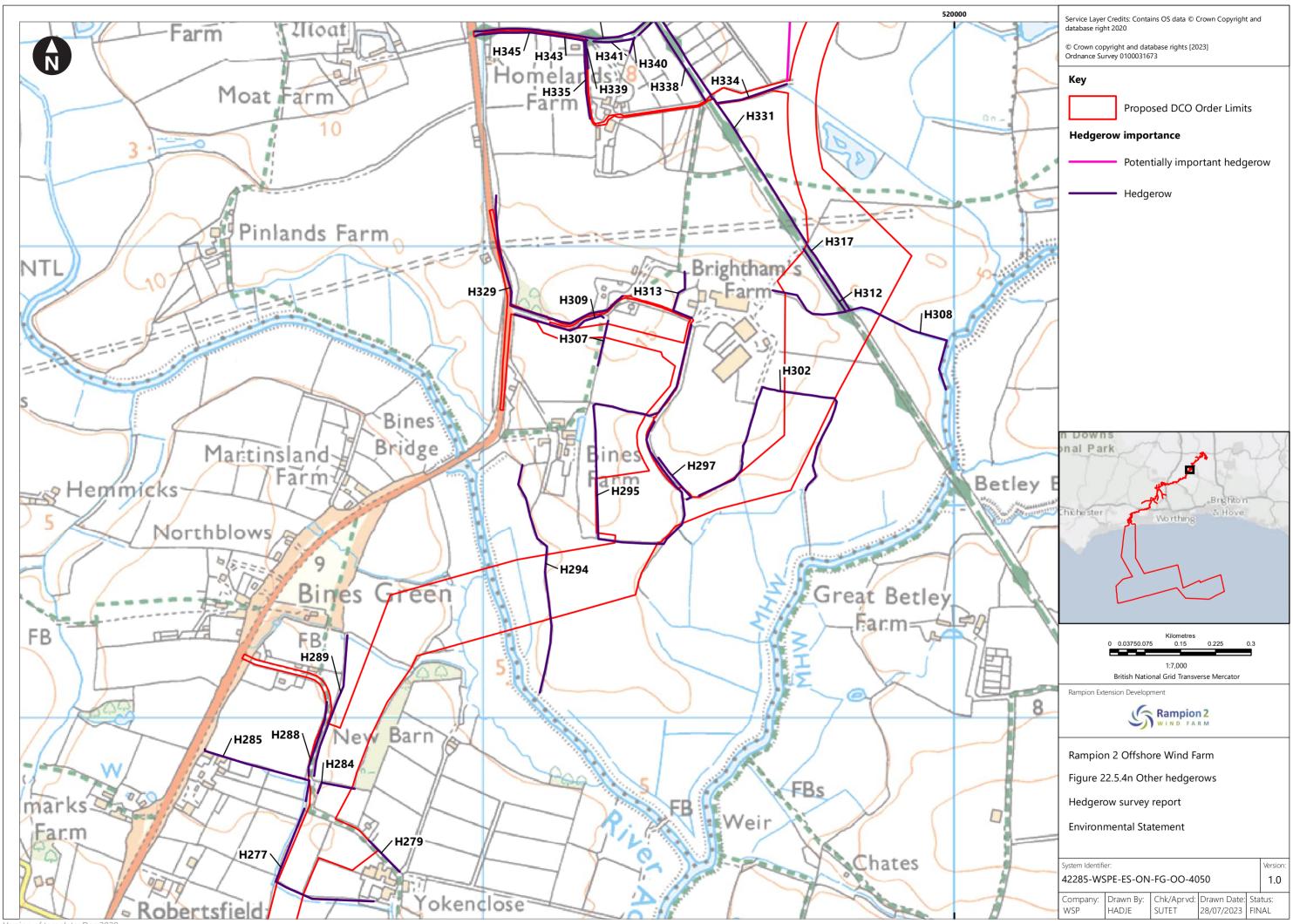


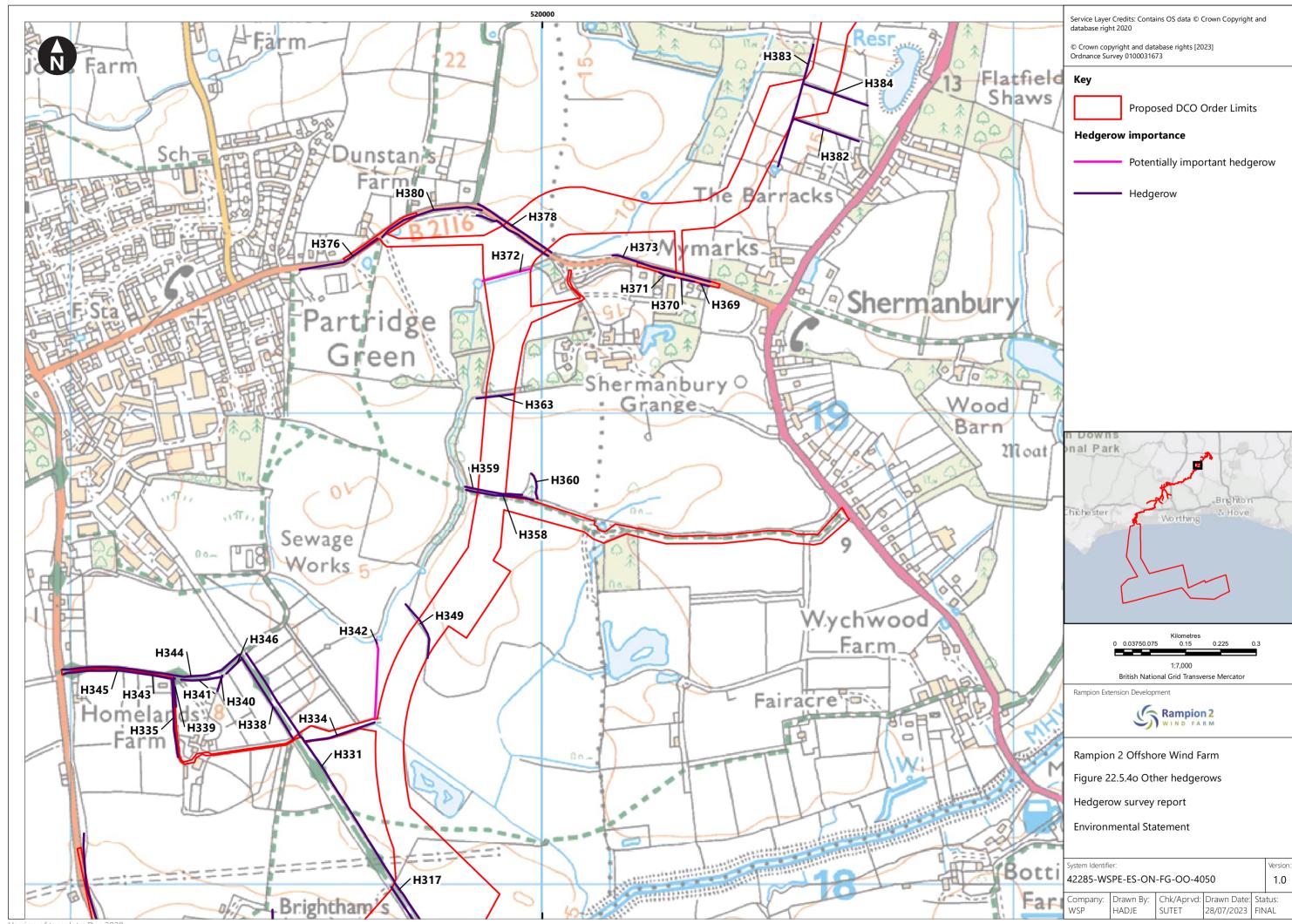


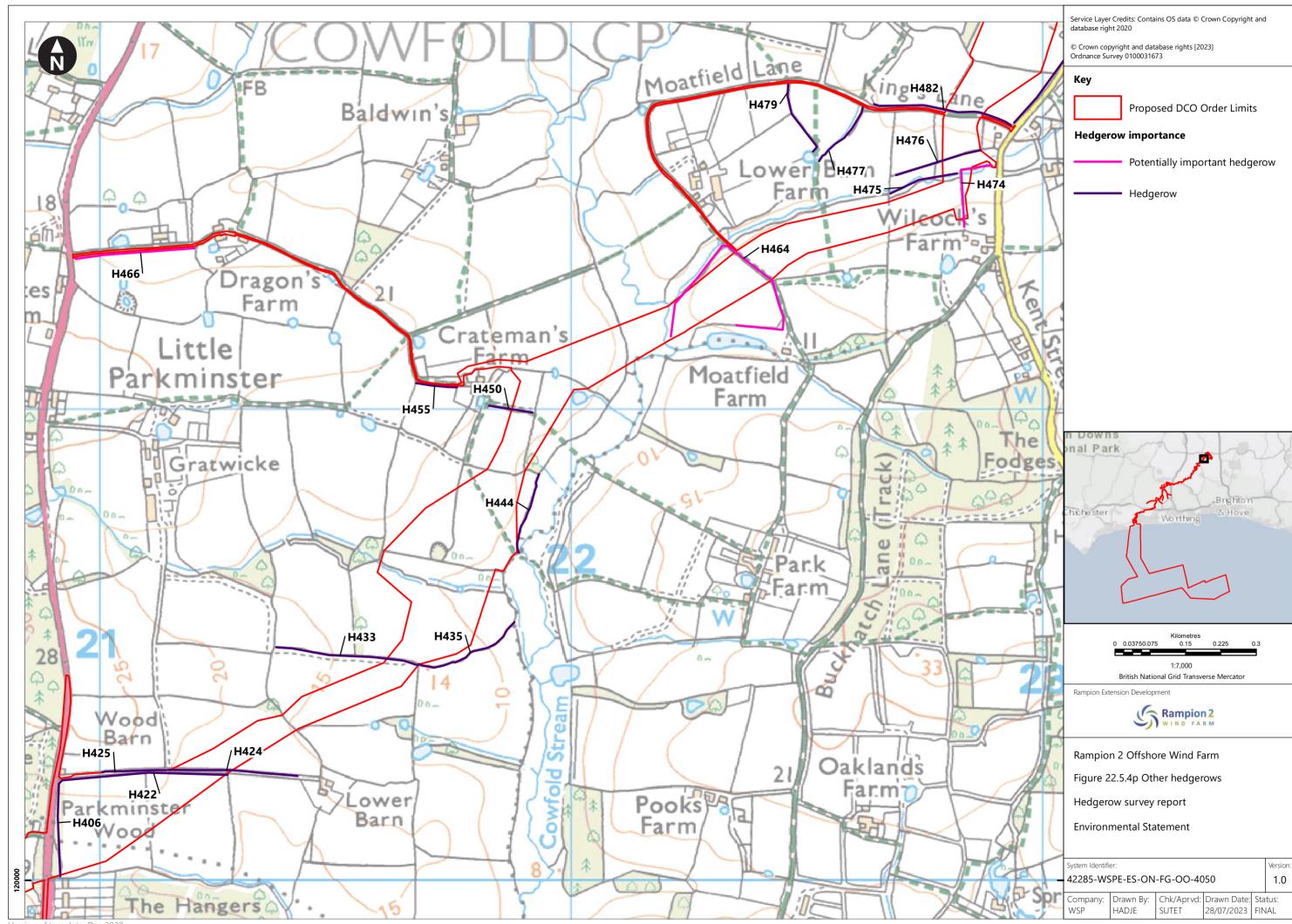


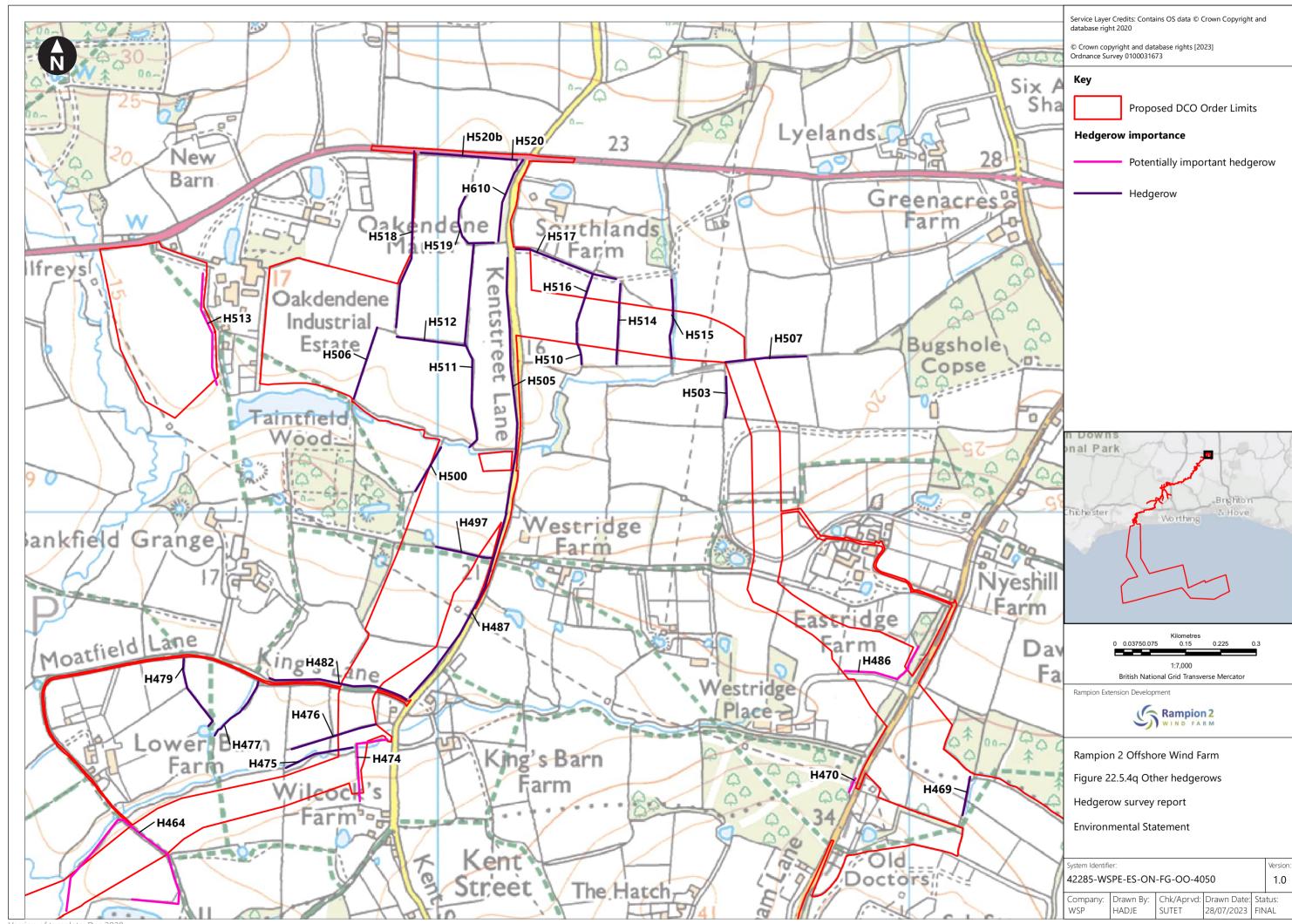




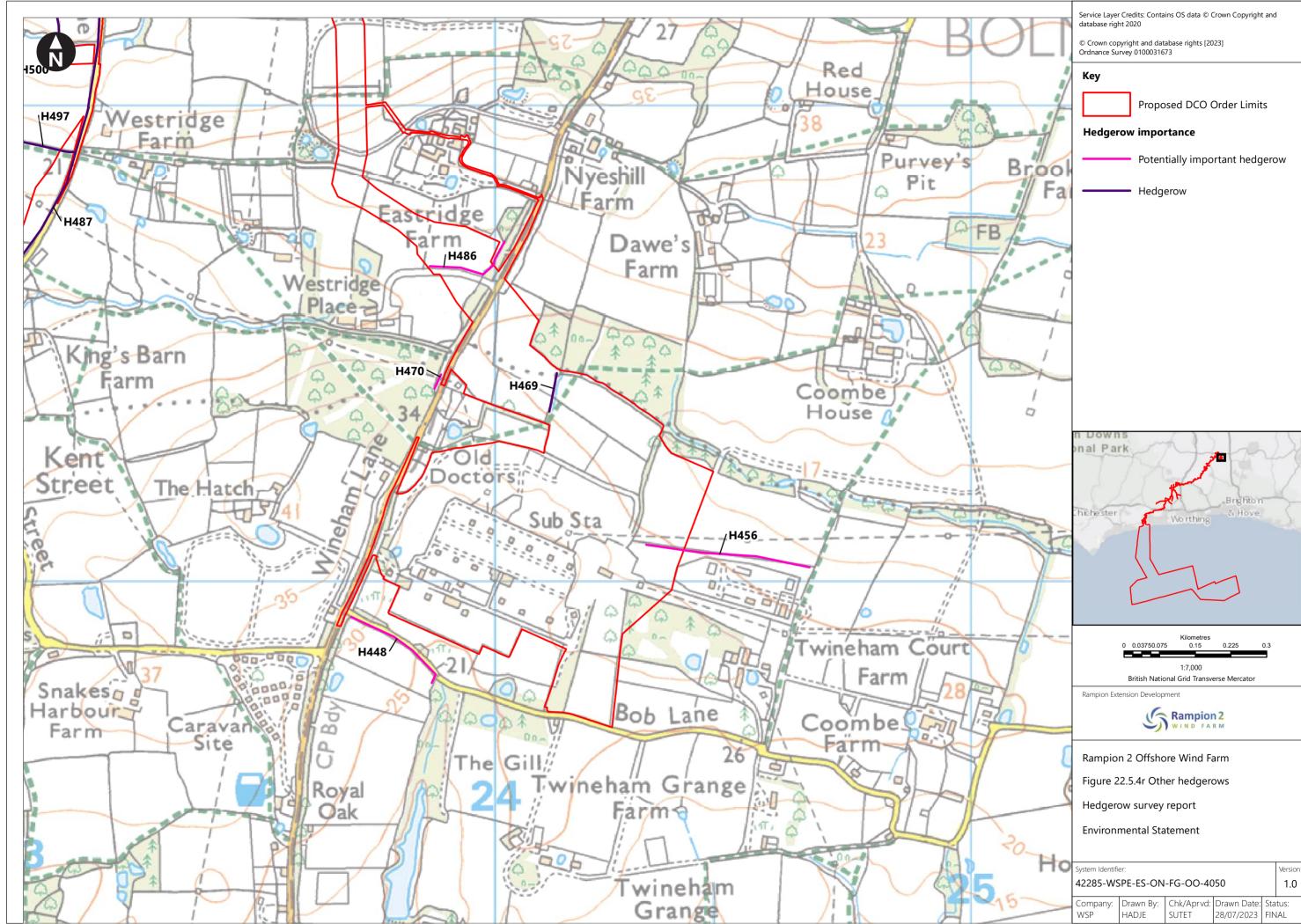








ISO A3 Landscape



ISO A3 Landscape



Annex B `Important' Hedgerow Criteria

The Hedgerow Regulations 1997

The Hedgerow Regulations 1997 provide important protection by prohibiting the removal of "important" hedgerows (or parts of them), without first notifying the local planning authority.

A hedgerow is defined as "a row of bushes forming a hedge, with the trees etc growing in it, a line of hedge"; but does not have to contain trees, but any trees growing in it form part of the hedgerow. Where a hedgerow has not been managed and has grown into a line of trees, it is not covered by the Regulations⁵.

The Regulations are aimed at countryside hedgerows; those within or marking a boundary of a dwelling house are not covered by the Regulations. The Regulations apply to the following hedgerows:

- hedgerows that are 20 metres or more long;
- hedgerows that are less than 20m long, if they are connected at each end to another hedgerow, thereby forming a continuous network of hedges; and
- the hedgerow contains species on part 1 of Schedule 1; Schedule 5; or Schedule 8 of the Wildlife and Countryside Act 1981, or other defined species including certain Red Data Book species.

The Regulation includes provision for gaps in the vegetation of 20 metres or less.

Criteria

The Regulations set out criteria that must be used to determine which hedgerows are "*important*". A hedgerow is classed as "*important*" if it is at least 30 years' old and meets at least one of the following criteria⁶:

The hedgerow includes one or more of the following:

- at least seven woody species;
- at least six woody species plus at least three Associated Features (see below);
- at least six woody species including a black poplar; large-leaved lime, small-leaved lime or wild service tree; and
- at least five woody species and at least four Associated Features.

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⁵ But it *may* be protected separately.

⁶ Only ecological criteria are included here; further criteria pertaining to the land use and historical features are noted within the Regulations.



Associated Features are:

- a bank or wall for at least half the length;
- a ditch for at least half the length;
- gaps over no more than 10 percent of the length;
- at least one standard tree per 50m;
- at least three ground flora woodland species as defined in Schedule 2 of the Regulations within 1m of the hedgerow;
- connections scoring four or more points, where connection to a hedgerow counts as one, a broad-leaved woodland or pond counts as two⁷; and
- a parallel hedge within 15m⁷.

Woody species are defined in Schedule 3 of the Hedgerows Regulations as follows:

Table B1 Woody species

English name	Scientific name
Alder	Alnus glutinosa
Alder buckthorn	Frangula alnus
Ash	Fraxinus excelsior
Aspen	Populus tremula
Beech	Fagus sylvatica
Birch, silver	Betula pendula
Bird cherry	Prunus padus
Black poplar	Populus nigra sub-species betulifolia
Blackthorn	Prunus spinosa
Box	Buxus sempervirens
Broom	Cytisus scoparius
Buckthorn	Rhamnus cathartica
Butcher's-broom	Ruscus aculeatus
Crab apple	Malus sylvestris
Dogwood	Cornus sanguinea

⁷ These features do not count if a public right of way is being included in the criterion.

August 2023



English name	Scientific name
Downy birch	Betula pubescens
Downy currant	Ribes spicatum
Dwarf gorse	Ulex minor
Elder	Sambucus nigra
Elm	Ulmus species
Gooseberry	Ribes uva-crispa
Gorse	Ulex europaeus
Guelder rose	Viburnum opulus
Hawthorn	Crataegus monogyna
Hazel	Corylus avellana
Holly	llex aquilfolium
Midland hawthorn	Crataegus laevigata
Western gorse	Ulex gallii
Wild cherry	Prunus avium
Wild cotoneaster	Cotoneaster integerrimus

Ground flora woodland species are defined as follows:

Table B2 Woodland ground flora species

English name	Scientific name
Forbs	
Barren strawberry	Potentilla sterilis
Bluebell	Hyacinthoides non-scripta
Broad-leaved helleborine	Epipactis helleborine
Bugle	Ajuga reptans
Common cow-wheat	Melampyrum pratense
Common dog violet	Veronica riviniana
Dog's mercury	Mercuralis perennis



English name	Scientific name
Early dog-violet	Viola reichenbachian
Early purple orchid	Orchis mascula
Enchanter's nightshade	Circaea lutetiana
Goldilocks buttercup	Ranunculus auricomus
Great bell-flower	Campanula latifolia
Heath bedstraw	Galium saxatile
Herb Paris	Paris quadrifolia
Herb-Robert	Geranium robertianum
Lords-and-ladies	Arum maculatum
Moschatel	Adoxa moschatellina
Nettle-leaved bell-flower	Campanula trachelium
Oxlip	Primula elatior
Pignut	Conopodium majus
Primrose	Primula vulgaris
Ramsons	Allium ursinum
Sanicle	Sanicula europaea
Small cow-wheat	Melampyrum sylvaticum
Sweet violet	Viola odorata
Toothwort	Lathraea squamaria
Tormentil	Potentilla erecta
Wild strawberry	Fragaria vesca
Wood anemone	Anemone nemorosa
Wood avens/Herb bennet	Geum urbanum
Wood horsetail	Equisetum sylvaticum
Wood sage	Teucrium scorodonia
Wood sorrel	Oxalis acetosella



English name	Scientific name
Wood speedwell	Veronica montana
Wood spurge	Euphorbia amygdaloides
Woodruff	Galium odoratum
Yellow archangel	Lamiastrum galeobdolon
Yellow pimpernel	Lysimachia nemorum
Ferns	
Broad buckler fern	Dryopteris dilatata
Common polypody	Polypodium vulgare
Hard fern	Blechnum spicant
Hard shield fern	Polystichum aculeatum
Hart's tongue	Asplenium scolopendrium
Lady fern	Athyrium filix-femina
Male fern	Dryopteris filix-mas
Narrow buckler-fern	Dryopteris carthusiana
Scaly male-fern	Dryopteris affinis
Soft shield fern	Polystichum setiferum
Grasses, sedges and rushes	
Giant fescue	Festuca gigantea
Greater wood-rush	Luzula sylvatica
Hairy brome	Bromus ramosus
Hairy woodrush	Luzula pilosa
Wood false-brome	Brachypodium sylvaticum
Wood meadow-grass	Poa nemoralis
Wood melick	Melica uniflora
Wood millet	Millium effusum
Wood sedge	Carex sylvatica



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Annex C Survey data: Not important hedges



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Table C.1 Hedgerow survey data- not 'Important' hedgerows

	Dimensions Associated Featur						ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H1	2-4	2-6	225	≤4	ü	ü	ü	X	X	X	ü	1	X	X	Hedgerow adjacent to two ditches with reed beds. Ground flora included ribwort plantain, madder, common ragwort, bristle ox tongue, common reed, Yorkshire fog, perennial rye grass. High nitrification run off from adjacent arable land use.
H2	2-4	2-6	280	≤4	ü	ü	ü	X	X	ü	ü	1	1	X	Hedgerow adjacent to two ditches with reed beds. Ground flora included ribwort plantain, madder, common ragwort, bristle ox tongue, common reed, Yorkshire fog, perennial rye grass. High nitrification run off from adjacent arable land use.



	Dimensions Associa					l Featu	ıres			Connections					
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
Н3	3-6	5	286	≤4	x	ü	X	Х	X	X	ü	1	1	X	Ditch with reed bed, small arable margin tussock grassland.
H4	3-4	3	330	≤4	X	ü	X	X	X	X	X	1	X	Х	Adjacent ditch with reed beds.
H5	3	2	157	≤4	ü	ü	X	X	X	X	X	2	X	X	Significantly degraded hedgerow. Recent conifer planting to the east of hedge. No management evident.
Н8	4	1	359	≤4	ü	X	X	ü	X	Х	ü	2	X	X	Hawthorn dominated. Mature and semi mature oak, ash. Trees up to 10-12m. Very little ground flora, mainly ivy and nettles.
Н9	5	3	483	≤4	X	ü	X	X	X	ü	ü	1	1	X	Defunct hedge, very dense bramble taking over ditch. Grasses, common reed, false oat grass, Yorkshire fog.



	Dime	nsions	5	Asso	ociated	l Featu	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H10	4	2	577	≤4	X	X	ü	ü	X	X	X	1	X	X	Hedgerow with conifer planting and ornamental species.
H11	3-5	4	113	≤4	ü	ü	X	X	X	ü	ü	1	1	X	Poplar, alder, hazel planted in past ten years no other management. Mature hawthorn suggests hedgerow older than 40 years. Dense bramble at hedge gaps. Parallels hedge adjacent main road.
H12	1.5	1	60	3	X	X	X	x	X	X	X	X	X	X	Young, planted hedge at field boundary. Blackthorn, alder, hawthorn. Poor semi-improved grassland at base. No management obvious.
H13	2-5	3	417	5	ü	X	X	х	X	X	ü	2	X	X	Recently planted hedgerow. Dominant willow and dog wood. PROW for part of hedge length. False oat grass, perennial rye



	Dime	nsions	6	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															grass, cock's foot. cleavers, common nettle.
H16	2-4	3	467	≤4	ü	ü	X	X	X	X	ü	1	1	X	No evidence obvious due to mature hawthorn trees. Dense bramble at hedgerow gaps. False oat grass, perennial rye grass, cock's foot, nettle, teasel.
H17	4	10	132	3	ü	X	ü	X	x	X	X	1	X	X	Connection at Eastern end; no gaps. Aspen, brambles frequent, sycamore, elder occasional, conifers rare. Understorey nettles, ivy abundant.
H19	1.5	0.5	436	≤4	X	ü	ü	X	X	X	X	X	1	X	Recently planted hedgerow. Single hedge thick (0.5m width). Other than recent planting no management to control bramble from taking over immature hedge.



	Dime	nsions	5	Asso	ociated	d Featu	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H20	2	2	458	≤4	ü	ü	X	X	X	X	ü	1	X	X	Adjacent railway. Where hawthorn has gaps dense bramble and rose has taken over. Common reed, false oat grass, Yorkshire fog, cock's foot, teasel, creeping thistle, nettle, dove's-foot crane's-bill.
H21	4	3	363	≤4	x	ü	ü	X	x	X	X	2	X	X	Intensively managed grass footpath to the east, arable field to the west. Hedgerow consists of hawthorn with occasional bramble.
H22	1.5 - 3	4	107	≤4	X	ü	X	х	Х	X	X	2	X	X	No recent management has allowed hawthorn to grow into small trees. Leggy hedgerow evidence of livestock damage. Poaching at ditch. Cock's foot, perennial rye grass, Yorkshire fog, cleavers, ground ivy, nettle.



	Dime	Dimensions Associated Featu								Conr	nectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H23	2-4	4	175	≤4	Х	ü	ü	X	Х	Х	х	1	х	X	Mature hawthorn due to lack of management, the base does not have gaps due to bramble, but the canopy does have multiple gaps. Cocks foot, Yorkshire fog, bread wheat, nettle.
H24	1-5	3	301	≤4	ü	X	Х	Х	X	Х	Х	1	Х	Х	Dense bramble in places, signs of nitrification.
H25	2-4	3	297	≤4	ü	ü	X	X	x	Х	X	X	X	X	Poached field right up to hedgerow. There is a fence between hedgerow and field preventing livestock damaging directly under hedge.
H26	2-4	2	303	2	X	X	X	X	x	Х	Х	1	X	X	Defunct hedge. Elm, conifer, hawthorn and ivy with gaps colonised by bramble; on edge of arable field. Butterfly bush present.



	Dime	nsions	3	Asso	ociated	l Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H27	2-4	2	135	1	ü	х	х	х	х	х	ü	1	х	х	Bordering arable field and road. Field elm dominant, occasional bramble; ground flora of nettles and burdock.
H129	2	2	421	2	X	X	X	X	X	X	X	X	1	X	Connected to line of trees at North and woodland to south. 2 percent gaps. Blackthorn dominant, occasional elder. understorey bramble, tall fescue and nettles abundant. Hedge woundwort and hedge bindweed frequent.
H135	1.5	1.5	58	≤4	X	X	X	X	X	X	X	X	1	X	Leggy hedgerow lack of management possible damaged from livestock. Due to connectivity to woodland good opportunities for enhancement. Hawthorn turning leggy & surrounding herbs/ grass look



	Dime	nsions	3	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															scorched from high nutrient run off.
H137	1.5	1.5	33	≤4	ü	ü	ü	X	X	X	ü	1	X	X	Hedgerow either side of tractor access tack. possible replanted due to young hawthorn. Hawthorn turning leggy & surrounding herbs/ grass look scorched from high nutrient run off.
H142	4	2	133	5	ü	X	X	X	X	x	ü	1	X	x	Connected to intact species poor hedgerow at East end, path and bank adjacent. 20 percent gaps. Hawthorn abundant, field maple frequent, holly, dogwood occasional, hazel, dog rose rare, understorey bramble, false wood brome abundant.



	Dime	nsions	5	Asso	ociated	l Featu	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H146	1.5	2	81	≤4	ü	ü	ü	X	Х	X	Х	1	Х	X	Defunct hedgerow adjacent prow. Coarse grassland directly to hedge base.
H148	2	3	289	≤4	ü	ü	X	X	X	X	x	1	X	X	Abundant elm and elder, frequent dogwood occasional blackthorn, clematis sp. 15 percent gap. bramble and common nettle understory. Associations of adjacent path and hedge to the east.
H154	2	3	123	4	ü	X	ü	X	X	X	X	1	X	X	Abundant elder, elm, frequent dogwood, occasional blackthorn. Adjacent path and hedge associations.
H156	3	2	325	3	X	ü	ü	X	X	X	X	1	2	X	Associated with woodland adjacent at two points, dry ditch and connected to intact species poor hedgerow at West end. No



	Dime	nsions	6	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															gaps. Hawthorn dominant, elder and dogwood occasional. Understorey ivy, hogweed, docks and common nettle abundant.
H157	2	10	157	≤4	X	ü	X	X	X	X	X	2	X	X	Very steep bank, coarse grassland directly to hedgerow base.
H158	1	1	153	1	ü	X	X	X	X	X	ü	1	X	X	Hawthorn dominant, ground flora smooth meadow grass dominant and occasional creeping thistle.
H159	3	2	153	≤4	ü	X	ü	ü	X	X	X	2	X	X	Recent planting evident. Lack of other management i.e. hedge species are tall with no evidence they are flailed, heavily poached field no fencing for part of hedge to protect from livestock. Perennial rye grass, cocks' foot,



	Dime	ensions	5	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															ivy, cow parsley, creeping buttercup.
H160	2	1	152	≤4	X	X	ü	X	X	X	ü	1	X	X	Livestock use of field. No fencing at hedgerow to protect. Lack of recent cutting management.
H161	1	2	23	≤4	ü	ü	ü	Х	x	X	X	1	X	Х	Dense hedgerow recently planted.
H162	1.5	1.5	153	2	ü	x	ü	ü	X	X	ü	2	X	X	Adjacent farmer access. Dense and well managed, gaps five percent connected to treeline at south and intact hedge at North. No associations. Hawthorn dominant with occasional buckthorn. Ground flora great willowherb, brambles, nettles, creeping thistle frequent, mugwort.



	Dimer	nsions	3	Asso	ciated	Featu	ıres			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H163	1.5m	1m	151	2	ü	ü	ü	x	X	x	ü	2	x	X	Hawthorn dominant with occasional buckthorn. Ground flora great willowherb, brambles, nettles, creeping thistle frequent, mugwort. Adjacent farmer access. Dense and well managed, gaps five percent. connected to treeline at south and intact hedge at North.
H164	3m	2	133	≤4	x	ü	ü	ü	x	X	X	1	1	X	Adjacent improved grassland used of livestock. No fencing to protect hedgerow from poaching and browsing. Lack of management.
H165	~2	~2	21	2	X	x	Х	X	Х	X	x	1	х	X	Not accessed. Satellite imagery review suggests highly fragmented remnant hedge.



	Dime	nsions	5	Ass	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H166	3m	2m	61	≤4	Х	х	ü	х	Х	х	х	1	х	Х	Defunct leggy hedgerow. Bramble has replaced much of the hedge. Poached field with livestock to hedgerow base.
H167	1.5	1.5	560	≤4	ü	ü	ü	X	x	X	X	2	X	X	Hedgerow adjacent to road. Well maintained, evidence of management. Field for livestock no fencing to protect hedgerow from poaching and browsing.
H170	1.5	1.5	106	≤4	х	ü	ü	ü	x	X	X	1	1	X	Directly adjacent to amenity grassland. Narrow ditch at base. Adjacent allotments. Non-native planting present including pine and laurel.
H172	3	3	224	≤4	Х	ü	ü	ü	Х	х	X	2	1	Х	Poached field directly to hedgerow. No evidence of stick proofing hedge. Nettle, perennial



	Dime	nsions	6	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															rye grass, broad leaved dock, bramble.
H173	2	1	191	1	X	ü	X	ü	X	X	X	1	1	X	Associated with dry ditch. connected to woodland at South end and intact hedge partway along length. Hawthorn dominant, ivy abundant. Heavily managed. ground flora: perennial rye grass dominant, ground ivy and bramble occasional. Oak standards.
H176	1.5	1	114	≤4	ü	X	ü	х	X	X	ü	1	х	Х	Amenity grassland to hedgerow boundary.
H178	1	0.5	70	≤4	ü	x	ü	X	X	X	ü	2	Х	X	Leggy hedgerow with gaps. Gaps colonised with bramble and rose. Cow parsley, cock's foot.



	Dime	nsions	5	Asso	ociated	l Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H179	3	2	267	≤4	Х	ü	X	ü	Х	X	х	2	1	X	Dry ditch on southern field side. No associations. Links into treeline to east and woodland to west. Recently planted hawthorn hedge with bramble and nettle growth at base.
H181	3	2	94	1	x	X	X	X	x	Х	X	2	X	Х	Hawthorn dominant defunct hedge with occasional elder and nettle at base; joins into other hedgerows east and west. three oak standards.
H182	4	4	122	2	ü	ü	ü	X	X	X	X	X	X	X	No connections, adjacent to hardstanding track and dry ditch. No gaps. Blackthorn dominant, hawthorn occasional. Ground flora: brambles dominant, abundant willowherb species, hogweed, common nettle, hedge bindweed, hemp agrimony.



	Dime	nsions	6	Asso	ociated	l Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H183	1.5	1	139	≤4	ü	х	х	х	х	х	ü	2	х	х	Leggy hedgerow with gaps. Gaps colonised with bramble and rose. Cow parsley, cock's foot.
H185	2	3	140	2	X	X	ü	X	X	X	X	X	X	X	No associations or connections. No gaps. Hawthorn dominant, rare field elm and holly. ground Flora bracken, ivy abundant, nettles, ground ivy frequent, creeping thistle occasional. Oak standards rare.
H186	3	2	120	1	x	Х	х	X	X	Х	X	1	1	Х	Hawthorn dominant with nettles at base. Stock fence at base. Connects to woodland at West and hedgeline with trees to the east. No associations.
H187	1.5	2	356	≤4	Х	ü	ü	Х	Х	X	x	1	1	Х	Hawthorn dominant with nettles at base. Stock fence at base.



	Dime	nsions	S	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															connects to woodland at West and hedgeline with trees to the east. No associations.
H188	3	2	94	≤4	X	X	ü	X	X	X	X	X	X	X	5 percent gaps, connected to treeline at East, no associations. Field maple dominant, occasional Hawthorn, field elm and elder; ground flora nettles, bracken, ground ivy.
H189	4m	3m	559	6	ü	ü	ü	ü	X	X	ü	4	X	X	Forms part of garden boundary in sections. Presence of coppiced hazel, raise bank and ferns suggestive of historical hedgerow. However, was much degraded due to residential development.
H195	5	2	332	≤4	X	х	ü	X	X	X	x	X	X	X	No gaps, no connections. Treeline runs adjacent.



	Dime	nsions	5	Ass	ociated	d Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															Hawthorn abundant, field maple frequent, buckthorn and elm occasional. Blackthorn, ash rare. Understorey ivy and nettles abundant, occasional spear thistle, white dead nettle.
H196	5	3	311	≤4	X	X	ü	X	X	X	X	1	X	X	No gaps or associations; joined to intact hedge west end. Hawthorn and field maple abundant. Occasional guelder rose, blackthorn and elm. Ash rare. Ground flora: nettles and ivy abundant, ground ivy and spear thistle occasional.
H197	3	1.5	161	≤4	X	Х	Х	X	х	ü	х	3	1	X	Holly, hazel, hawthorn, ash and dog wood: one break (10 percent), two canopy breaks (10 percent), one node, understory species (bramble and nettle),



	Dime	nsions	5	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															ash standard. Connected to one woodland and three hedges.
H198	4	4	328	≤4	X	X	ü	X	X	X	X	2	X	X	No gaps or associations. Connected to intact hedge at both ends. Hawthorn abundant, blackthorn, buckthorn and field maple occasional, rare oak standards. Ground flora nettles and bramble occasional.
H199	2	3	107	≤4	X	X	X	X	X	X	X	2	X	X	Hazel hedge, occasional silver birch standards. No associations; connects to hedgerows to the north and south. Lords and ladies, bracken, and bramble at base.
H201	5	2.5	586	4	X	X	Х	X	Х	ü	X	X	2	X	Hawthorn dominant hedge with five oak standards, also grey willow, blackthorn sections with



	Dimensions			Ass	ociated	d Feat	ures			Conr	nectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															occasional hazel. Connects to woodland southeast and woodland to northeast, bramble and nettle at base. 2m wide set aside field margin.
H202	5	2.5	216	3	Х	Х	X	X	X	X	x	X	X	X	Hazel, understory gap 1m, species bramble/bracken, break 10 percent, field maple standard, ash standards.
H206	1.5	1.5	159	<4	х	х	ü	ü	Х	X	х	2	Х	Х	Hazel, honeysuckle, bramble, ivy taking over, laurel planting.
H208	2.5	2	123	5	X	X	X	X	X	ü	ü	2	1	х	Field maple, hawthorn, goat willow, sycamore, hazel. Understory nettle, bramble, and Himalayan balsam. Hedge opposite, connected to two hedges and one woodland.



	Dime	nsions	3	Asso	ociated	l Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H209	2	1	157	≤4	ü	ü	ü	Х	x	ü	ü	3	х	Х	Flailed this year (2021). Cocks foot, perennial rye grass, cleavers, cow parsley, ground ivy, ivy, lords and ladies. Scots pine.
H210	5	2	177	≤4	X	ü	ü	X	X	X	x	X	1	X	No gaps. Hazel dominant with frequent blackthorn, occasional field maple, Hawthorn, rare honeysuckle. Bracken and bramble dominant ground flora. Associations of adjacent woodland and ditch.
H211	2.5	3	200	≤4	Х	ü	ü	ü	X	ü	x	2	1	X	Connected to woodland at North and dense scrub at south. Associated with dry ditch, no gaps. Elder and blackthorn abundant, field maple and privet rare, rare oak and goat willow



	Dime	nsions	3	Asso	ociated	l Featu	ıres			Conn	ection	าร			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															standards. Ground flora brambles, nettles.
H214	4	2	283	≤4	X	X	X	ü	X	X	X	X	X	X	Ash and field maple standards. Hazel dominant with frequent field maple, blackthorn, hawthorn, occasional willow, dogwood, oak, dog rose. Ground flora nettle, bramble with hedge bindweed and herb Robert.
H219	1.5	2	318	≤4	x	X	ü	ü	X	Х	ü	2	X	X	Hedgerow with links to hedgerow to north and northwest, hedge opposite. No gaps more than 10 percent, hawthorn and oak standards.
H220	1.5m	1m	324	≤4	x	ü	ü	ü	X	x	x	1	x	x	Hedgerow with recent management evident with hawthorn trees coppiced to hedgerow height. Hedgerow in



	Dime	nsions	5	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															poor condition with heavy poaching at base and lack of field margin. Blackthorn dominant, occasional elder, dog rose, field maple and oak standards.
H226	1.5m	2m	94	≤4	X	ü	ü	ü	x	х	x	2	х	Х	Hawthorn dominant hedgerow with standards (mature oak). Bracken and bramble, dog rose present. No associations.
H228	1	1	106	1	X	X	Х	X	Х	X	X	X	X	Х	Less than 1m tall for most of length. Bracken, bramble and blackthorn abundant.
H229	3	3	469	2	ü	X	X	x	x	x	X	2	X	X	Hawthorn and blackthorn with dog rose and bramble; bracken, nettle. Connections to intact hedgerow at North and tree line to south and hedgerow



	Dime	nsions	6	Asso	ociated	l Featı	ures			Conr	Connections						
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context		
															connection in middle. Occasional ash, oak, white poplar standards. No associations, access track.		
H230	2	2	130	1	X	ü	ü	X	X	ü	X	2	1	X	No gaps. Stream along north side. Connected to woodland at south and two hedges at north. Blackthorn dominant, bramble abundant. Ground flora false wood brome and tall fescue abundant, Juncus species frequent, hemp agrimony, bracken.		
H234	3	3	124	2	X	ü	X	X	X	ü	X	2	1	X	Hawthorn and blackthorn with dog rose and bramble. Bracken, nettle. Connections to intact hedgerow at north and tree line to south and hedgerow connection in Middle. Occasional		



	Dime	nsions	3	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															ash, oak standards. No associations, access track.
H235	<2	<2	113	3	X	ü	X	X	х	X	X	Х	X	X	Holly, hawthorn, blackthorn, goat willow. Shallow dry ditch with pendulous sedge and soft rush patches.
H237	<2	<2	96	4	X	х	X	ü	X	X	X	X	X	X	Hawthorn, blackthorn and hazel with oak standards.
H242	<2	<2	408	3	X	X	Х	ü	Х	X	X	X	X	X	Hawthorn, goat willow, blackthorn with bramble and oak standards.
H246	<2	<2	457	2	X	X	x	X	X	X	X	X	1	X	Dense hedge dominated by blackthorn, with frequent bramble and hawthorn, stand of hazel at southern end. Connected directly to broadleaved woodland.



	Dimensions			Ass	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															Understorey is meadow foxtail, fleabane, smooth meadow grass, sweet vernal grass, thistle species.
H247	2.5	2	110	1	X	Х	X	X	x	X	ü	X	2	X	Hawthorn hedgerow. Connected to woodland on either end. No ditch or bank three oaks within hedge line. Ground-flora: speedwell, false brome.
H254	<2	<2	144	2	Х	X	Х	ü	х	X	x	Х	х	Х	Leggy and sparse hawthorn and blackthorn hedge, with oak standards.
H255	4	4	102	4	X	ü	X	ü	х	х	ü	X	X	2	Blackthorn dominant with elder and hawthorn. Pussywillow, ash and oak standards. Associated ditch and treeline at either end, two ponds and two treelines.



	Dime	nsions	S	Asso	ociated	l Featu	ıres			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H256	<2	<2	165	3	X	Х	X	ü	x	Х	Х	X	X	X	Mainly blackthorn and hawthorn hedge, with elm and elder and oak standards. Hedgerow not managed and is leggy with variable height and width
H257	5	4	108	4	X	ü	ü	X	X	X	X	1	X	X	Zero percent gaps. hedge comprises, blackthorn dominant with occasionally hawthorn, hazel, elder. Sub canopy species, bramble, nettle. Associations, dry ditch under hedge. Hedge continues to the south and ends at residences.
H261	3	2	194	1	ü	х	Х	Х	Х	X	ü	3	Х	Х	Assumed, as part of garden boundary; not accessed.
H263	<2	<2	332	4	Х	X	Х	Х	Х	Х	Х	Х	Х	X	Hawthorn, elder, elm, blackthorn.



	Dime	nsions	6	Asso	ociated	Featu	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H265	<2	<2	56	1	Х	х	х	Х	X	х	x	Х	х	Х	Dominated by hawthorn. dense and well managed. understorey species poor, ivy, cleavers, nettle, ground ivy.
H266	<2	<2	109	2	x	X	ü	X	X	X	X	X	Х	X	Blackthorn and hawthorn dominated. 10 percent gap across whole length.
H269	<2	<2	137	1	X	X	х	X	X	X	X	X	X	X	Hawthorn and ivy. One large oak present.
H271	<2	<2	302	≤4	X	X	ü	ü	X	X	ü	X	X	X	Hawthorn hedge along field boundary.
H277	4	3	383	4	X	ü	ü	ü	X	X	X	X	X	X	Dry ditch running along hedgerow, continuation at Eastern node, termination into treeline at northern node. Occasional mature oak standards. 5 percent breaks.



	Dime	nsions	5	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															Hedgerow comprised of blackthorn and hawthorn and elder.
H279	2	4	93	3	ü	X	X	X	X	X	X	X	X	X	Blackthorn, hawthorn and elder. Associated path.
H284	5	2.5	95	4	X	X	X	X	X	X	X	X	1	X	Hazel dominant with hawthorn, blackthorn and elder. Connected to woodland.
H285	5	2	279	5	X	ü	ü	ü	X	X	X	X	X	X	Dry ditch running along hedgerow. 10 percent breaks. occasional oak standards. Joins treeline at Eastern node. Hedge comprised of hawthorn, blackthorn, holly, field maple, elder, hazel. Subcanopy species include ivy, bramble, nettles.



	Dime	nsions	3	Asso	ociated	Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H288	5	3	163	4	Х	Х	ü	Х	Х	Х	Х	Х	Х	Х	Hazel dominant with blackthorn, elder, hawthorn, pussy willow, field maple, oak standards.
H289	5	3	310	4	X	ü	ü	X	X	X	X	X	X	X	Hazel dominant with blackthorn, elder, hawthorn pussywillow, field maple, oak standards. Associated ditch.
H294	3	2.5	505	4	ü	ü	ü	X	X	X	X	X	X	X	No connections ends at tree group at South. No gaps. footpath and river at South node. Hedge species blackthorn and hawthorn and occasional oak. oak stands. Understorey nettle, bramble, broad leaved dock.
H295	<2	<2	1073	4	X	X	X	X	X	X	x	X	X	Х	Connected hedgerow with four nodes. Four gaps for gates. Hedge comprised of, hawthorn, blackthorn and occasional field



	Dime	nsions	6	Ass	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															maple and oak standards. Subcanopy bramble, nettle, ryegrass.
H297	2	2	119	2	х	ü	ü	Х	Х	X	ü	2	X	Х	Leggy hedgerow. Narrow course grassland strip. No evidence of stock proofing.
H302	2	3	661	3	Х	X	X	Х	x	X	x	X	X	X	Hedge comprised of hawthorn, blackthorn, oak, understorey bramble, nettle, bindweed, x3 breaks at 3m width.
H307	2	2-3	98	≤4	Х	ü	ü	Х	x	Х	x	2	X	Х	Improved grassland directly to hedgerow base. Leggy hedge.
H308	<2	<2	333	≤4	x	х	ü	X	x	X	X	X	X	X	One node at NW point. No breaks. Hedge species, blackthorn, hawthorn, field maple. oak standards. SE node terminates at river. Understorey



	Dime	nsions	3	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															comprised of nettles, bramble and bindweed.
H309	2	2	203	≤4	ü	X	ü	X	x	X	ü	2	X	X	Dense hedgerow not leggy. Recent broadleaved tree planting on southern side of hedge however looks to be for a woodland plantation.
H312	<2	<2	338	3	ü	X	X	X	X	X	x	X	X	X	Species-poor hedgerow connects to overgrown tree line at east. Hedge species blackthorn, hawthorn and oak standards; sub canopy layer nettle and bramble. Track at east end.
H313	3	3	134	3	ü	X	X	X	X	X	X	X	X	X	Connects at north to tree line. East node ends with hard standing. Well managed hedgerow bordering camping



	Dime	nsions	5	Asso	ociated	d Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															ground. Hedge comprises of hawthorn, ivy, blackthorn, oak, sub canopy lords and ladies, brambles.
H317	<2	<2	167	3	X	X	X	X	X	X	ü	2	Х	X	Hawthorn blackthorn, willow, elder, oak, connects to 2 hedges, one opposite.
H329	3	2.5	499	4	X	X	X	ü	X	X	ü	2	X	X	Seven nodes (five are beyond the proposed DCO Order Limits). Hedgerow circles field. Comprised of hawthorn, blackthorn, elder, oak. Sub canopy nettle, bramble, bindweed. Oak standards
H331	<2	<2	577	3	Х	X	Х	Х	Х	X	ü	3	Х	Х	Elder, hawthorn, blackthorn; ground flora hogweed thistle, with alder, bramble and oak.



	Dime	ensions	S	Ass	ociated	l Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															Connected to three hedges, one opposite.
H334	2	2	154	≤4	X	ü	ü	X	X	X	X	2	X	X	Fencing to protect hedgerow from livestock. Ditch with running water. Not flailed in current year but has in the past been well managed. Nettle, cleavers, cock's foot.
H335	1.5	1	167	≤4	ü	X	ü	X	X	X	ü	1	X	X	Recently planted, heavily managed hedgerow. No stock proofing on field side.
H338	<2	<2	204	≤4	X	X	ü	X	Х	X	ü	3	X	X	Many standards. Previously hedgerow. Blackthorn oak, hawthorn, ivy, sycamore bramble elder, willow, hogweed. Connected to three hedges, one opposite.



	Dime	nsions	S	Asso	ociated	l Featu	ıres			Conn	ection	าร			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H339	1.5	1	65	≤4	ü	ü	ü	ü	Х	X	ü	1	X	Х	Adjacent road leading to stables and private garden. No evidence of non-native species.
H340	<2	<2	34	≤4	X	х	Х	Х	Х	X	х	1	X	Х	Hawthorn and blackthorn visible. Boundary to residence in part.
H341	<2	<2	88	≤4	ü	x	X	ü	X	X	ü	1	X	X	Blackthorn, hazel, hawthorn, ivy. Very dense with some mature trees which may offer bat potential. Understorey comprises cocksfoot, fleabane, hogweed, Yorkshire fog, bedstraw, Timothy, nettle and occasional lord and ladies. Boundary to residence in part.
H344	2	2	391	≤4	Х	X	x	X	X	X	x	x	x	X	Hawthorn, blackthorn, field maple, hazel and oak within hedgerow. Dense and fairly unmanaged, ivy. Semi improved



	Dime	ension	S	Ass	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															grassland species including Yorkshire fog, nettle, cock's foot, false oat grass, creeping thistle, Timothy, bedstraw, knapweed, dense bracken.
H346	<2	<2	43	3	X	X	X	X	X	X	X	X	X	X	Hawthorn, blackthorn and hazel. One large oak within this stretch. Common nettle, mayweed, perennial ryegrass, hogweed, greater willowherb, fat hen understorey.
H349	4	5	131	5	X	ü	ü	ü	X	x	x	2	X	X	No stock proofing. Improved grassland to hedgerow base. Landowner wanting to manage with new planting this year.
H358	<2	<2	19	3	X	Х	X	ü	X	х	x	Х	Х	х	Hawthorn and blackthorn with some bramble. Partially managed. Mature oaks.



	Dime	nsions	3	Asso	ociated	l Featı	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H359	<2	<2	123	1	X	X	X	X	X	X	X	X	X	X	Hawthorn and bramble. Continues beyond extent of survey area.
H360	<2	<2	58	1	X	X	X	X	X	X	X	X	1	X	Dominant snowberry with occasional elder on woodland edge.
H363	1	1	78	3	х	X	X	X	х	x	x	X	1	X	Hawthorn grading into blackthorn. Edge of woodland heavily managed. some elder mixed in.
H369	<2	<2	19	1	Х	X	X	X	X	x	x	X	х	X	Hawthorn and snowberry and cypress.
H370	<2	<2	28	1	X	X	X	X	X	X	x	X	X	X	Laurel, cypress, snowberry, blackthorn.
H371	<2	<2	35	3	Х	Х	Х	Х	х	X	х	Х	Х	X	Box, hawthorn, elder.



	Dime	nsions	3	Asso	ociated	l Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H373	<2	<2	215	2	х	Х	Х	ü	Х	Х	Х	Х	Х	Х	Hawthorn with oak standards.
H378	<2	<2	186	3	Х	X	X	ü	X	X	x	X	X	X	Hawthorn, blackthorn with oak standards.
H380	<2	<2	299	2	X	X	X	X	X	X	X	X	X	X	Dominant blackthorn with occasional holly, dense patches of bramble. understorey is well developed; Yorkshire fog being dominant, frequent broadleaved Dock, meadow foxtail, hogweed, cock's foot, brome, cleavers, occasional nettle and lords and ladies.
H382	3-4	1-2	145	2	X	X	ü	x	X	X	X	2	X	X	Dominant - hawthorn, abundant - elm, frequent - plum, occasional - willow. Connected to hedgerow on one end, 5m away from hedgerow on opposite end. No



	Dime	nsions	6	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															gaps. Ground flora - nettles, cinquefoil, dock.
H383	4	3	269	≤4	Х	X	ü	X	x	X	X	2	X	X	Livestock field to hedgerow. Stock fencing to protect hedge of both sides.
H384	2	1	142	≤4	Х	Х	ü	Х	х	Х	X	Х	X	Х	Dominant - blackthorn, abundant - bramble, frequent - hawthorn, occasional - aspen, rare - oak. No gaps. Ground flora – lords and ladies, thistle.
H406	3	2	206	≤4	ü	X	Х	ü	Х	X	X	1	1	Х	Mature hedge alongside line of trees on Henfield Road.
H422	3m	2m	349	3	ü	Х	ü	Х	x	ü	ü	3	1	Х	Hedge comprising hawthorn, elder, oak. Ground flora of hogweed, docks, cow parsley, creeping buttercup, cleavers, creeping thistle, bird's foot trefoil,



	Dime	nsions	S	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															lords and ladies, nettle, bramble, wild strawberry, dove's foot crane's-bill.
H424	1.5	1	475	≤4	x	X	ü	X	x	X	X	X	Х	X	Hawthorn, blackthorn, field maple with mature oak every 50m. Leggy hedgerow. Recent management flailed but no evidence of planting or laid.
H425	1.5	1	136	≤4	х	X	ü	X	x	X	X	X	Х	X	Hawthorn, blackthorn, field maple with mature oak every 50m. Leggy hedgerow. Recent management flailed but no evidence of planting or laid.
H433	2	1.5	303	2	X	ü	ü	X	x	ü	X	3	2	X	Species poor hedge comprising hawthorn and elder; located along field boundary, connecting to a woodland strip and three hedges. Ground flora of lords



	Dime	nsions	5	Asso	ociated	d Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															and ladies, cleavers, docks, nettles.
H435	<2	<2	238	2	X	ü	X	X	X	X	x	3	X	X	Hawthorn, blackthorn, immature oak. With dry ditch. Leggy.
H444	2-4	2-4	176	≤4	x	X	х	X	x	ü	Х	3	1	X	Oak, ash with dense hawthorn and blackthorn. False oat grass, broadleaved dock, lesser celandine, ground ivy, dog's mercury.
H450	2	2	93	≤4	X	X	ü	X	X	ü	X	3	Х	1	Short hedge dividing fields, connected to hedges to north and south at western end and to south at western end.
H455	2-4	2-4	88	3	Х	X	ü	X	X	X	Х	X	Х	X	No gaps, line of trees parallel. Blackthorn dominant, occasional Hawthorn and field maple, apple and oak standards rare. Ground



	Dime	nsions	6	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															flora brambles, privet frequent, bird's-foot trefoil, docks, creeping thistle.
H469	2-4	2-4	82	3	X	Х	X	ü	Х	X	X	Х	Х	X	Mature oak, field maple and ash trees. Hedge composed of hawthorn and field maple and dogwood.
H475	1	1	146	2	Х	Х	Х	Х	Х	X	Х	X	X	Х	Oak and hawthorn abundant.
H476	2-3	2	187	2	X	X	X	X	X	X	X	X	X	X	Hawthorn and blackthorn dominant.
H477	4	2-3	150	1	X	X	Х	Х	X	X	X	X	X	X	Blackthorn dominant, hawthorn. Quite leggy. Occasional semi mature oak.
H479	4	2-3	165	≤4	Х	Х	Х	Х	Х	X	х	Х	X	Х	Blackthorn dominant. Quite bushy and outgrown especially to north.



	Dime	nsions	3	Asso	ociated	l Feat	ures			Con	nectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H482	2	2	298	≤4	X	ü ⁸	ü	ü	Х	X	X	X	X	X	Dogwood, field maple, blackthorn, hawthorn, hazel, oak. Mature oak in hedgerow. Dry ditch to south with grassy verge of bramble, false oat grass, meadow foxtail, hogweed. Set on a small bank. No gaps. Ground flora, primrose.
H487	<2	<2	446	≤4	Х	X	Х	Х	Х	Х	Х	X	х	Х	Hazel, Hawthorn, dogwood, blackthorn, field maple.
H497	2	1.5	121	≤4	X	X	X	X	X	X	X	X	X	X	Field boundary hedge comprising blackthorn, hazel, dog wood, bramble, hawthorn dominant. Likely to be managed during the year. Base of hedgerow dominated by bramble

⁸ Both ditch and bank present.



	Dime	nsions	S	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															with grasses forming a 1.5m margin.
H500	1.5	1.5	108	3	X	X	X	X	X	X	X	X	X	X	Hazel, blackthorn dominant, ash. Ground flora comprises grassland species and bramble.
H503	2	1.5	88	3	X	ü	X	X	x	X	X	X	X	X	Blackthorn dominant, hawthorn occasional. 20 percent gaps. Adjacent to dry ditch and treeline. Flora, docks, cleavers, nettles, stitchwort, brambles.
H505	<2	<2	546	2	X	X	X	X	X	X	X	X	X	X	Blackthorn, hawthorn, field maple.
H506	1.5	2	159	2	Х	X	Х	Х	X	Х	X	X	Х	Х	Blackthorn dominant, bramble, ash, semi mature oak at northern end.



	Dime	nsions	5	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H507	<2	<2	172	3	X	ü	ü	X	X	X	X	X	X	X	Hawthorn and blackthorn abundant. Oak frequent. 10 percent gaps. Associated ditch with stream. Flora nettle, water dropwort dominant, wood dock, forget me nots.
H510	2	4	69	3	X	ü	ü	X	x	x	X	X	X	X	Same as hedgerow to North separated by 10m gap. Length 50m. Associated with pond. No hedgerow connections.
H511	1.5	2	445	≤4	X	ü	X	ü	ü	X	ü	3	X	1	Oak, hawthorn, blackthorn, elder; three 10m gaps. Associated with pond. three hedgerow connections.
H512	1	1	147	≤4	X	ü	ü	ü	Х	х	Х	1	X	Х	Blackthorn, hawthorn, oak.



	Dime	nsions	8	Ass	ociated	d Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H514	3	4	170	3	Х	х	Х	ü	х	Х	х	Х	Х	Х	Hawthorn and blackthorn with oak standards. False oat grass dominates ground flora.
H515	<2	<2	169	3	X	ü	ü	X	X	X	X	X	X	X	Blackthorn dominant, dog rose, goat willow frequent. Hawthorn, maple and oak trees occasional. Associated to wet ditch. Ground flora: stitchwort, bluebells, common vetch, brambles, speedwell, bracken, bindweed, horsetail.
H516	4	3	123	3	X	ü	X	X	X	x	X	1	x	x	Blackthorn dominant with occasional oak trees and Hawthorn. Associated with wet ditch and hedge at North end. Flora, speedwell, docks, ground ivy, cleavers, Lords and ladies, wood avens, common vetch



	Dime	nsions	3	Asso	ociated	l Featu	ıres			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H517	<2	<2	223	2	x	X	X	x	X	X	X	X	X	X	Unmanaged blackthorn dominant hedge with occasional oak trees and hawthorn. Creeping cinquefoil, oxeye daisy and forget me nots at base.
H518	4	5	379	≤4	X	ü	ü	ü	ü	X	X	1	X	X	Oak, hawthorn, blackthorn, elder, oak standards to 20m in height. Bramble, docks, ground ivy, nettles, Lords and ladies, juncus species, cow parsley, herb Robert, ivy, primrose.
H519	1.5	1.5	161	≤4	Х	ü	ü	ü	ü	X	X	1	2	X	Oak, hawthorn, blackthorn, elder, oak standards to 20m in height. Bramble, docks, ground ivy, nettles, Lords and ladies, juncus species, cow parsley, herb Robert, ivy, primrose.



	Dime	nsions	5	Asso	ociated	l Featu	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H520	2	1.5	205	≤4	ü	х	ü	х	X	х	ü	1	2	X	Oak, hawthorn, blackthorn, elder, oak standards to 20m in height. Bramble, docks, ground ivy, nettles, Lords and ladies, juncus species, cow parsley, herb Robert, ivy, primrose.
H521	<2	<2	22	≤4	X	ü	X	X	X	X	X	X	X	X	Short intact species poor hedgerow, adjacent to ditch containing shallow flowing water (drainage). Plants at base consist of nettles, bramble, red campion, cow parsley, broad leaved dock, thistle.
H531	3	2	173	2	X	X	X	X	X	X	X	2	1	X	Intact species poor hawthorn hedgerow with mature oak trees and willow species. Gap present of more than 5m containing bramble. Ground vegetation dominated by nettles, bramble,



	Dime	nsions	6	Asso	ociated	d Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															creeping buttercup, thistle. Central column unmanaged, potentially trimmed on occasion.
H539	<2	<2	127	2	Х	X	Х	Х	x	X	X	X	X	Х	Intact species poor hawthorn hedgerow with occasional elder and bramble. Ground flora contains cleavers, dwarf thistle, red dead nettle, buttercup.
H540	<2	<2	100	3	X	X	X	ü	X	ü	X	2	2	X	Intact species poor hedgerow dominated by beech with occasional hawthorn and small oak trees. Ground flora consists of bramble, hawthorn saplings, cow parsley, ivy.
H541	<2	<2	158	2	Х	X	X	ü	X	ü	X	3	1	Х	Intact species poor hedgerow dominated by beech with occasional small ash trees. Ground floors consists of



	Dime	nsions	5	Asso	ociated	d Featu	ıres			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															bramble, ragwort, cleaver, nettles, broadleaved dock, ivy. Cherry laurel present within hedge.
H542	<2	<2	200	1	X	X	X	ü	X	X	ü	X	X	X	Intact species poor hedge of hawthorn. Ground flora consists of bramble, cleaver, dead nettle, buttercup, cow parsley, prickly ox tongue, cinquefoil, dandelion, ivy. Heavily damaged from traffic.
H543	<2	<2	104	1	X	X	X	ü	X	X	x	X	X	X	Intact species poor blackthorn hedgerow covered in bramble. surrounding plants are cow parsley, cleaver, cinquefoil, ivy, dead nettle, old man's beard, dandelion, one gap for field access.



	Dime	nsions	3	Asso	ociated	d Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H544	<2	<2	56	3	X	X	X	ü	X	X	ü	X	X	X	Intact species poor hedgerow containing dog rose, blackthorn and mature oak trees. Ground flora contains cleavers, deadnettle, cinquefoil, bramble, cow parsley, clematis, ground ivy.
H545	<2	<2	192	1	X	X	X	X	X	X	ü	1	X	X	Intact species poor Hawthorn hedgerow, quite young. Ground flora contains nettles, cock's foot, common hogweed.
H546	<2	<2	204	1	X	X	X	ü	X	X	ü	1	X	X	Defunct species poor Hawthorn hedgerow with a single mature oak tree. Very gappy and leggy, large gaps of more than 5m. Ground flora contains nettles, bramble, buttercup, white dead nettle.



	Dime	nsions	5	Ass	ociated	l Feat	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H548	<2	<2	512	2	X	X	X	X	X	Х	х	2	х	x	Intact species poor hedgerow with hawthorn and hazel and occasional old man's beard. Ground flora contains cow parsley, ground ivy, cock's foot, nettles.
H549	3	2	147	2	X	Х	Х	X	X	X	X	1	1	X	Hawthorn, elder. In between arable fields.
H550	<2	<2	34	2	X	X	X	X	X	X	X	1	X	x	Intact species poor hedgerow containing Hawthorn and hazel with occasional old man's beard. Ground flora contains nettles, bramble, cock's foot, ground ivy, cow parsley.
H551	~2	~2	59	1	Х	Х	Х	Х	Х	х	X	2	х	Х	Intact species poor hawthorn hedgerow with single ash tree, base consists of bramble,



	Dime	ensions	S	Asso	ociated	l Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															nettles, cockspur foot, clover, ground ivy.
H553	<2	<2	29	1	X	X	X	X	X	X	X	X	X	X	Intact species poor Hawthorn hedgerow, some covered in ivy. Ground flora contains nettles, bramble, cow parsley, broadleaved dock, ground ivy, white dead nettle.
H577	<2	<2	80	2	X	x	X	X	X	X	X	X	X	X	Intact species poor hedgerow comprising hawthorn and occasional elder, very damaged by flailing and vehicles. Ground flora contains cow parsley, bramble, silverweed, cleavers, yarrow.
H579	<2	<2	237	2	Х	X	X	X	X	Х	х	X	X	Х	Highly fragmented hedgerow, fence line in between horse grazed fields and track. Contains



	Dimensions			Asso	ociated	d Feat	ures			Conn	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridlewav/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															occasional bramble, clematis, blackthorn and isolated hawthorn trees.
H580	3	1.5	488	3	ü	X	X	X	x	X	ü	1	X	X	Between grazed field and road; Hawthorn, dogwood blackthorn hedge with occasional viburnum sp. and ash, bramble and ivy.
H581	<2	<2	192	2	ü	X	X	X	x	X	ü	X	X	X	Remnant hedge on fence line in between arable/grazed field and road. Some single Hawthorn trees.
H589	<2	<2	246	≤4	X	х	ü	ü	X	X	ü	x	x	X	Intact species poor hedgerow containing hazel, hawthorn and holly, blackthorn and dogwood hedge with field maple and elder. One gap about 6m wide. Ground flora contains nettles, cow



	Dime	ensions	Ass	ociated	l Feat	ures			Conn	ectio	าร				
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
															parsley, white dead nettle, bramble.
H590	<2	<2	216	2	ü	X	X	X	X	X	ü	X	X	X	Intact species poor hedge, hawthorn and hazel.
H598	<2	<2	129	≤4	x	X	Х	ü	x	Х	ü	1	Х	Х	Species poor intact hedge ground flora consisting of nettle, bramble, Cocks foot, cow parsley, thistle ragwort, buttercup, old man's beard.
H599	~2	~2	125	≤4	ü	X	X	ü	X	X	ü	1	X	X	Intact species-poor hawthorn hedgerow comprising hawthorn with occasional oak and ash. Parallel to hawthorn hedgerow on other side of road. Ground flora contains nettles, bramble, cleavers, cow parsley, buttercup, prickly ox-tongue, ground ivy. Damaged by cars/tractors.



	Dime	nsions	3	Asso	ociated	l Featu	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H600	~2	~2	323	2	ü	X	X	X	X	X	X	1	X	X	Woody species: hawthorn and oak. Ground flora present: ivy, cleavers, dandelion, brambles, nettles, perennial rye grass, cock's foot, hogweed.
H601	~2	~2	93	2	ü	X	X	x	x	X	X	1	X	X	Woody species: hawthorn and oak. Ground flora present: ivy, cleavers, dandelion, brambles, nettles, perennial rye grass, cock's foot, hogweed.
H603	1	1	191	≤4	Х	х	X	X	Х	X	x	Х	х	Х	Hawthorn, dogwood, hawthorn, elder.
H604	~2	~2	90	≤4	X	X	х	Х	Х	X	X	Х	Х	Х	Intact hedge, with common reed, hawthorn only hedge.
H605	~2	~2	358	≤4	ü	х	X	X	Х	Х	х	2	х	X	Ash, viburnum, blackthorn, clematis, hawthorn and bramble.



	Dime	nsions	3	Asso	ociated	l Featu	ures			Conr	ectio	ns			
Hedge Ref	Height (m)	Width (m)	Length(m)	Woody Species	Road/track/ bridleway/ PRoW	Bank / Ditch	Gaps less than 10%	Trees per 50m	3 Woodland ground flora species	Connections scoring 4	Parallel hedge	Hedge	Woodland	Pond	Description and context
H606	~2	~2	167	≤4	X	X	X	X	X	X	X	2	X	X	Gappy remnant hedge. Can't fully assess. Bramble and elder present. Understorey contains nettle as dominant species. Photo taken from east looking west.
H607	~2	~2	134	3	Х	X	X	X	X	X	X	X	X	X	Blackthorn, hawthorn and elder hedge, defunct.
H610	3	3	183	≤4	ü	X	X	ü	X	X	X	2	X	X	Mature hedge along western edge of woodland along Kent Street. Oak, hawthorn, blackthorn, elder. Ground flora: primrose, water dropwort, nettle, ivy, forget me not, lords and ladies, docks, dog's mercury, marshwort, coltsfoot, juncus sp., cleavers.



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