

A358 Taunton to Southfields Dualling Bat Activity surveys Technical Report Appendix F Part 1

PCF STAGE 2

HE551508-MMSJV-EBD-000-RP-LB-0051

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Date: July 2021

Version P04

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PCF STAGE 2

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Document control

Client	Highways England
Project	A358 Taunton to Southfields Dualling
Document title	A358 Bat Activity Surveys Technical Report
Job no.	HE551508
Document reference	HE551508-000-RP-LP-0051

Revision history

Job number: HE551508			Document ref: HE551508-MMSJV-EBD-000-RP-LB-0051			
Revision	Purpose description	Originator	Checked	Approved	Authorised	Date
P01	First Revision	D. Byett A. Evans	S. Mason	K. Atkinson	E. Rapa	11.01.2021
P02	Updated following comments	D. Byett	S. Mason	K. Atkinson	E. Rapa	03.03.2021
P03	Updated following comments	A. Evans	D. Byett	K. Atkinson	E. Rapa	24.06.2021
P04	Updated following comments	D. Byett	S. Mason	K. Atkinson	E. Rapa	12.07.2021

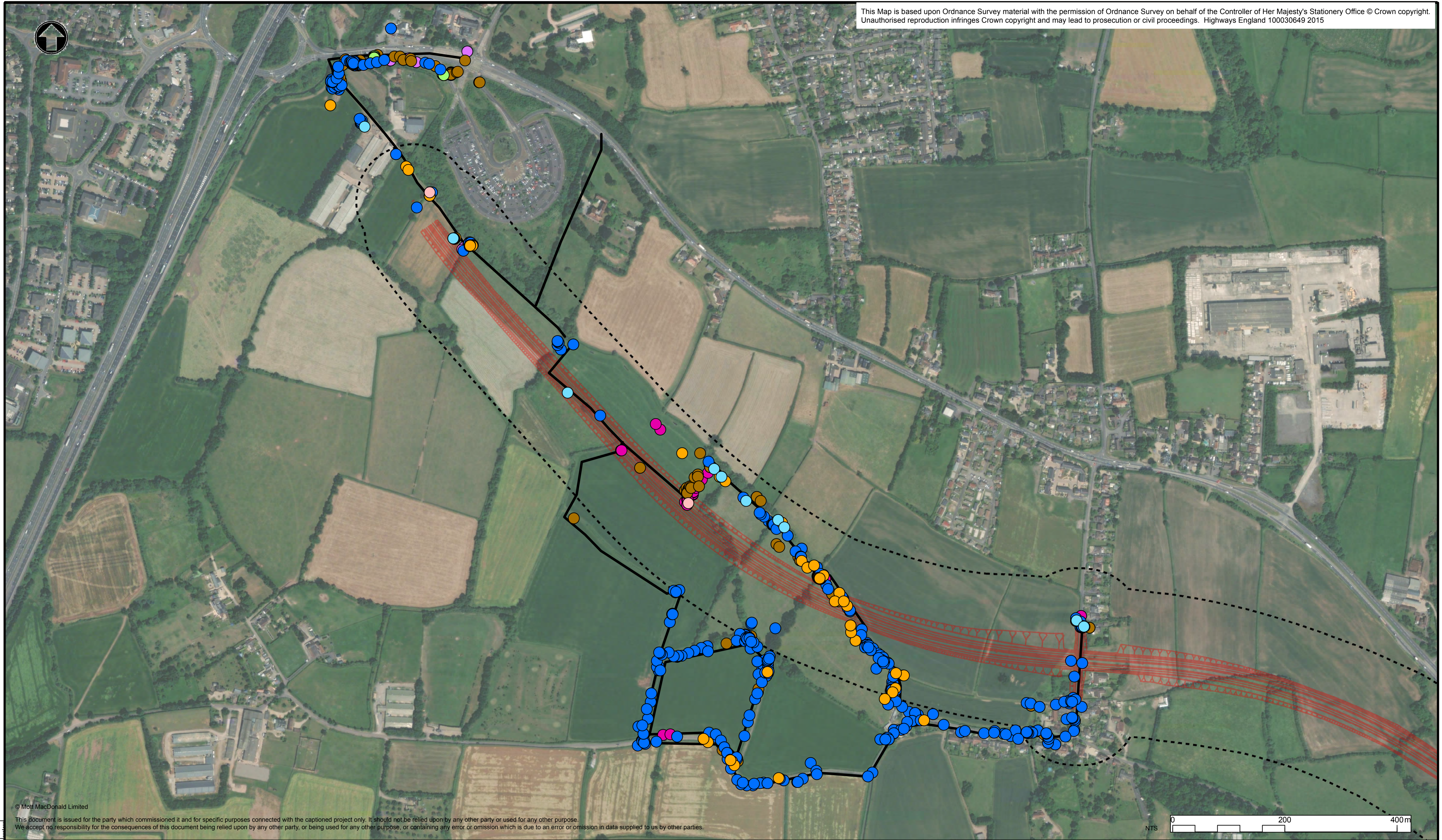
Prepared for:

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Mott MacDonald Sweco Joint Venture
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Appendix F - Activity transect species maps



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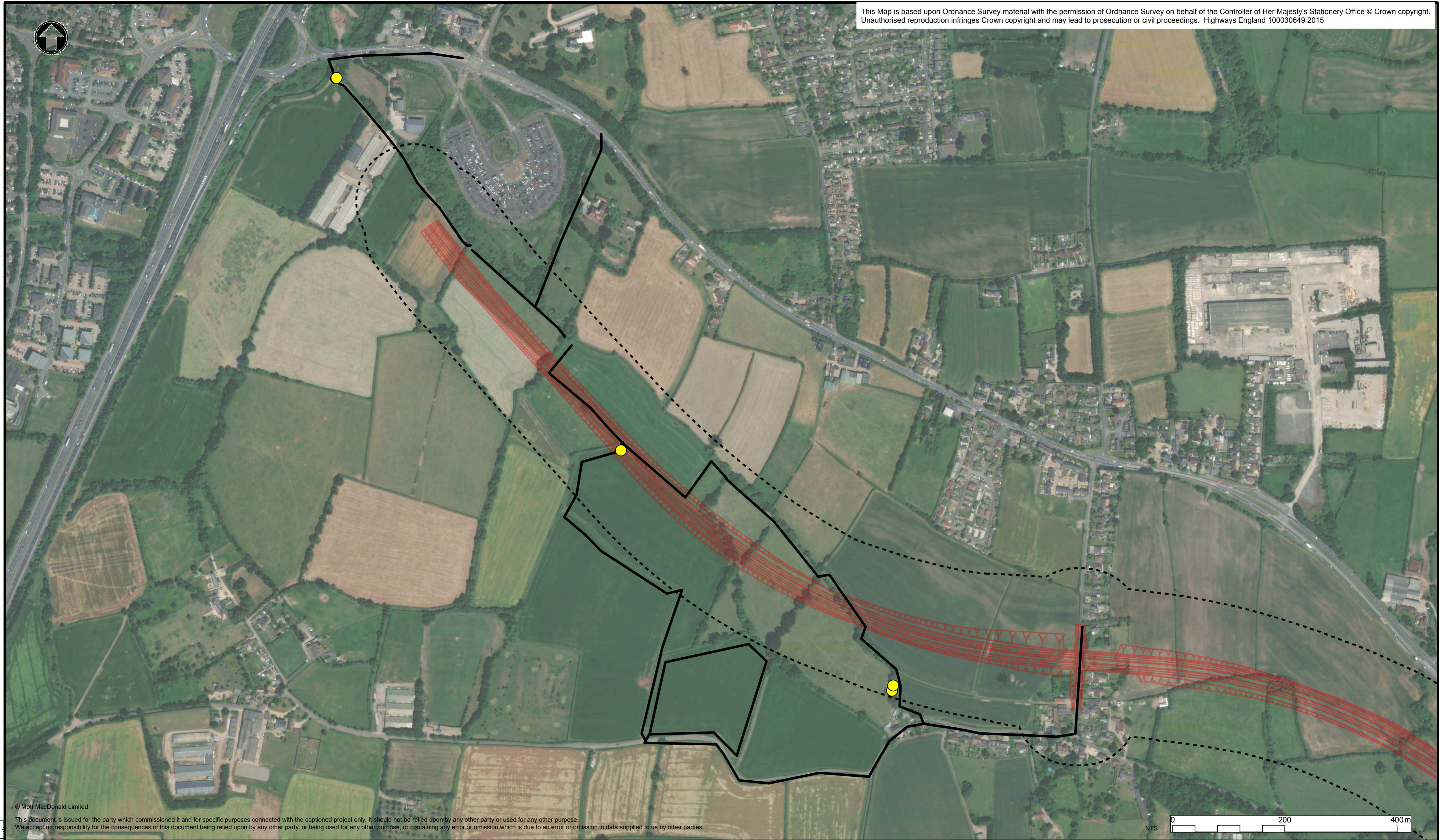


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 Transect results, Mott MacDonald (2020)
 Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,

Key to symbols		References drawings	
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	100m buffer		Noctule
	Transect 2		Nyctalus spp.
	Species		Soprano Pipistrelle
	Barbastelle		Pipistrelle species
	Serotine		Long-eared bat
	Myotis		Common Pipistrelle
	Nyctaloid		

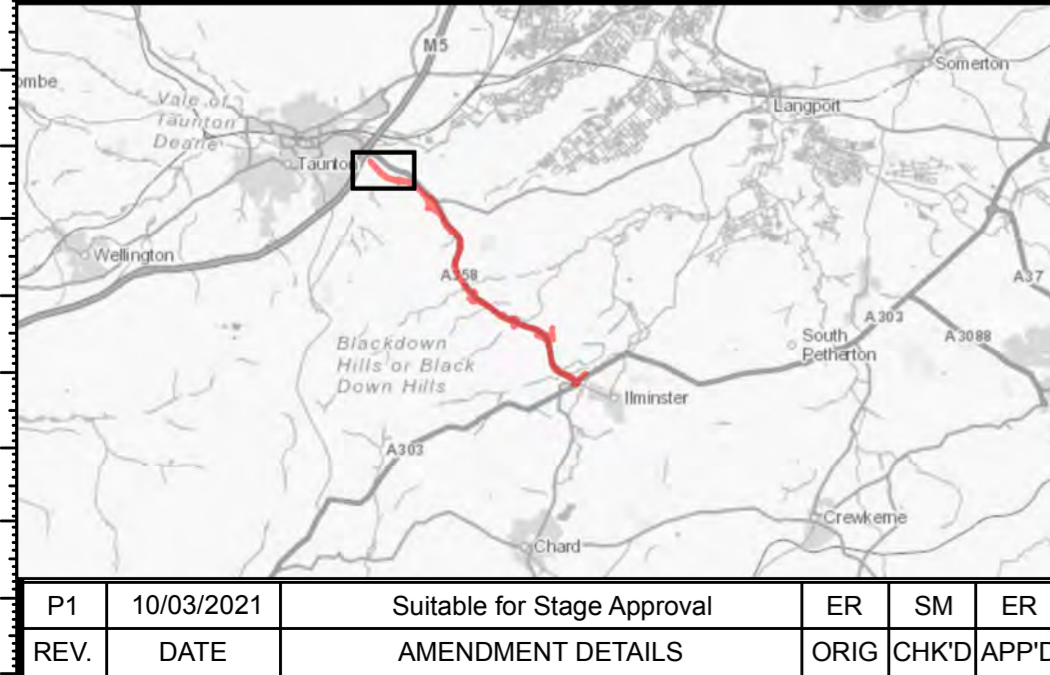
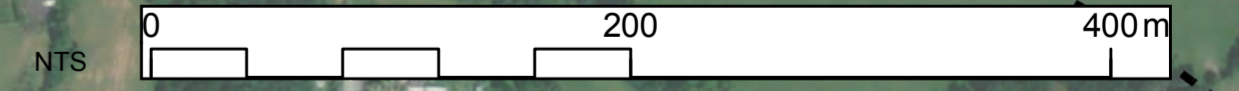
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Original Size	A1	Date	10/03/2021	Date	10/03/2021	Date	10/03/2021	Date	10/03/2021
Drawing Number	HE PIN	Originator	MMSJV	Volume	EBD	Project Ref. No.		370774	
000						Revision		P1	
Location		Type		Role		Number			

P1	10/03/2021	Suitable for Stage Approval	ER	SM	ER
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D



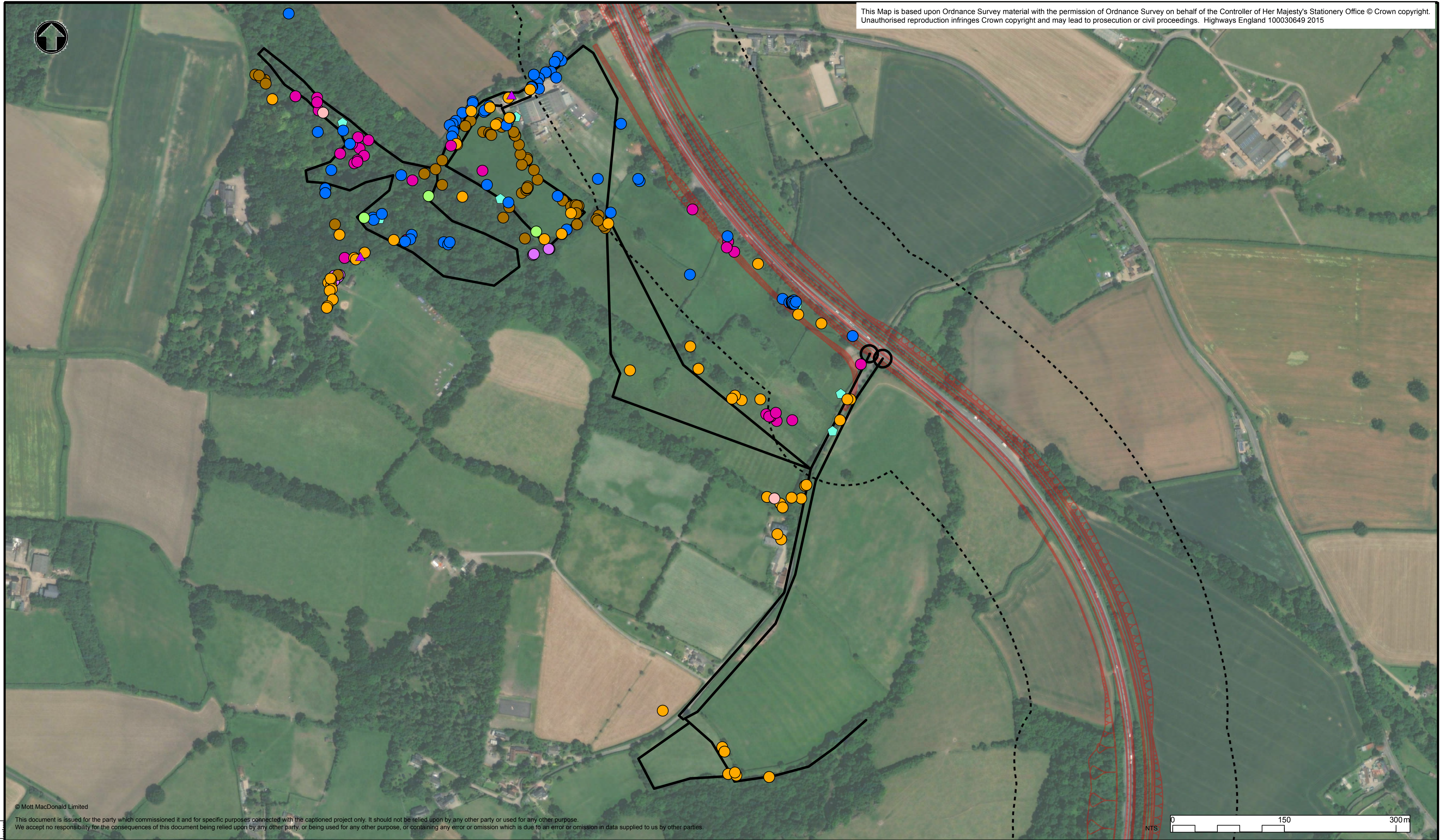
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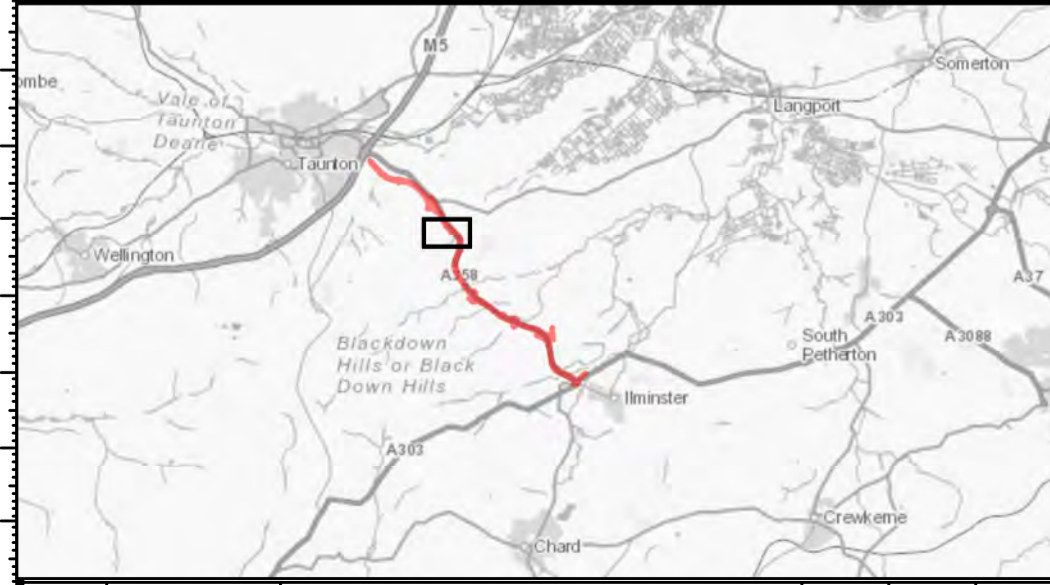
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Drawing Status		Suitable for Stage Approval		S4		Project Title		A358 Taunton to Southfields			
Mott MacDonald Sweco Stoneham Place Stoneham Lane Southampton SO50 9NW Tel : +44 (0)23 8062 8800 Fax : +44 (0)23 8062 8801 www.mottmac.com		Drawing Title		Transect Results Horseshoe and Barbastelle Species Transect Route 2							
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Notes

Pink Modified Scheme, Mott MacDonald (2018)
Transect results, Mott MacDonald (2020)

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,

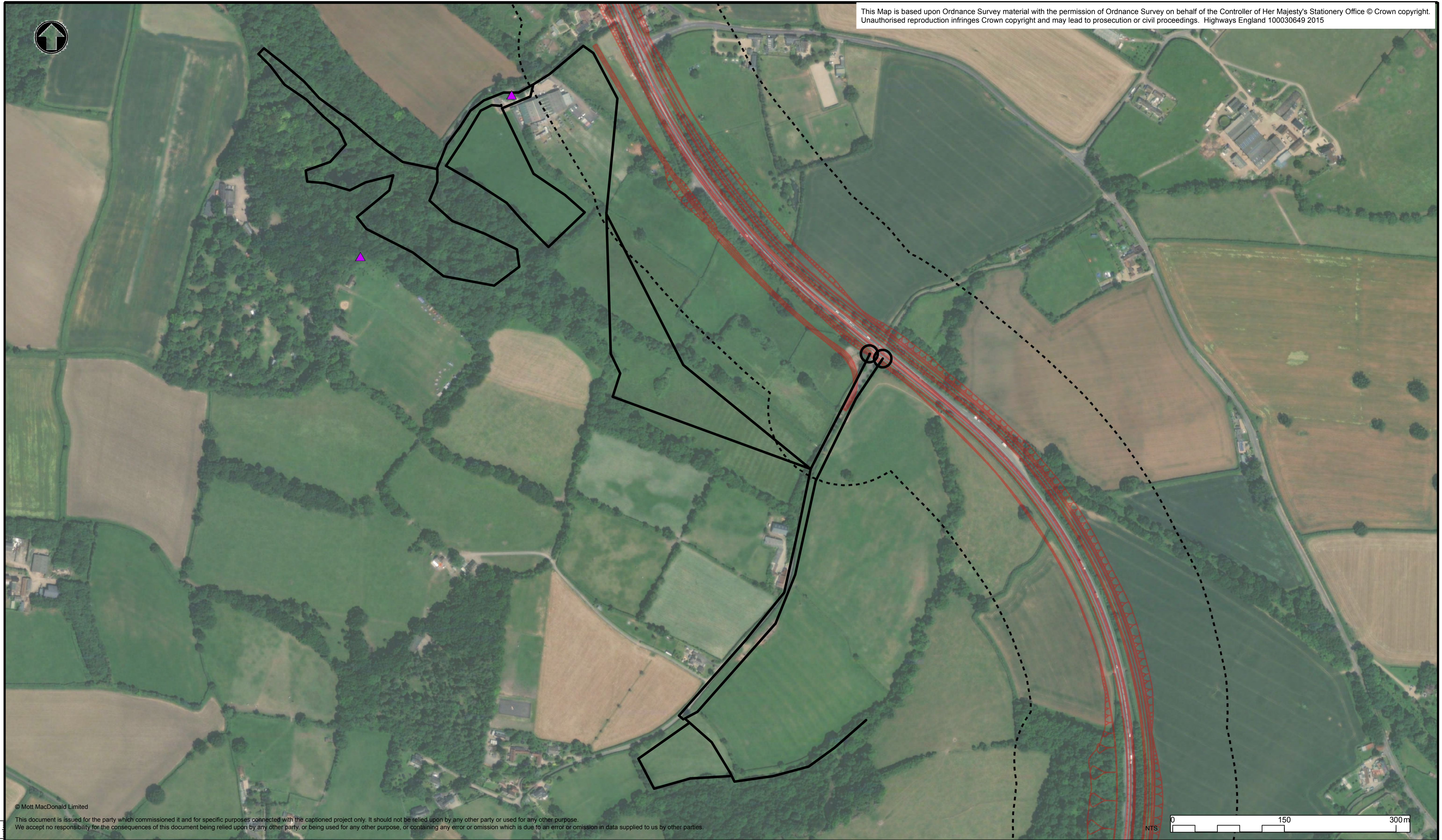
Key to symbols

- Pink modified scheme option
- 100m buffer
- Transect 4
- Species**
- Serotine
- ◆ Myotis
- Leisler's bat
- Noctule
- Nyctalus spp.
- Common Pipistrelle
- Soprano Pipistrelle
- Long-eared bat
- ▲ Lesser Horseshoe

References drawings

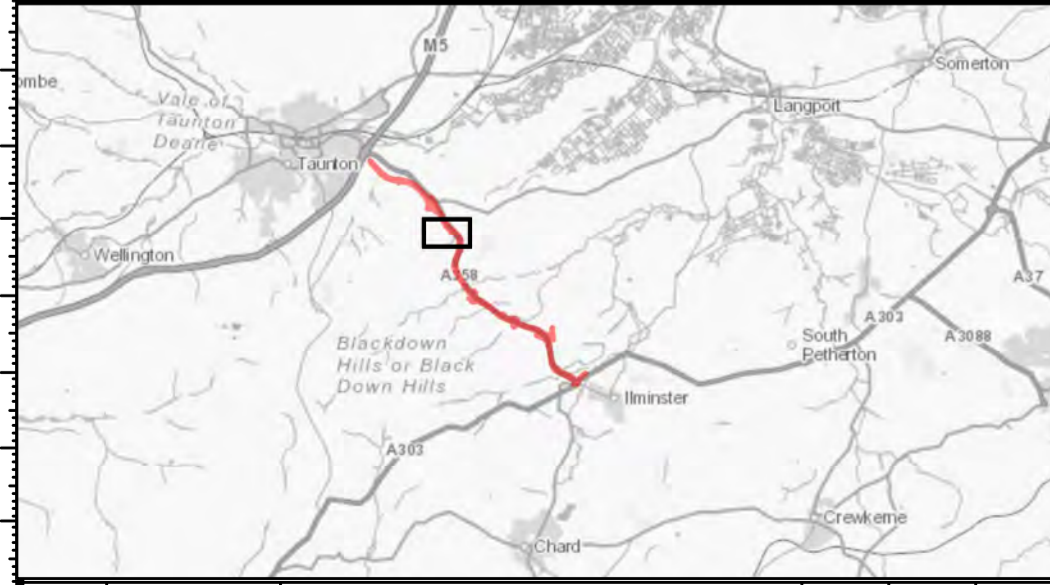
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Original Size A1	Date 11/03/2021	Date 11/03/2021	Date 11/03/2021	Date 11/03/2021	
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Location 000		Type - DR - LB - 0205	Role - DR - LB - 0205	Number - EBD -	Project Ref. No. 370774
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P2	11/03/2021	Suitable for Stage Approval	ER	SM	ER
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Notes **Key to symbols** **References drawings**

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Transect results, Mott MacDonald (2020)

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,

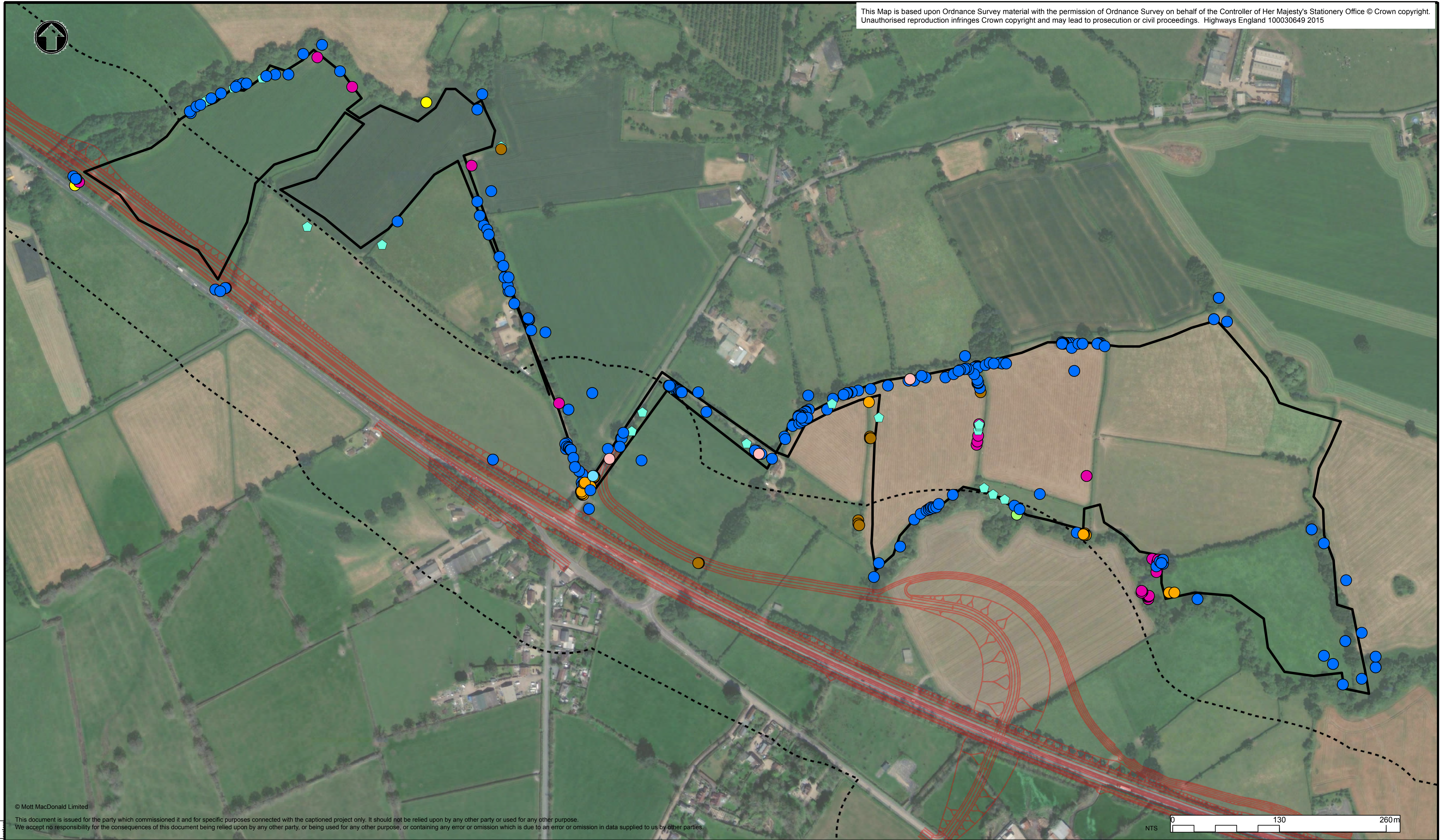
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- - - 100m buffer
— Transect 4

Species
▲ Lesser Horseshoe

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REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

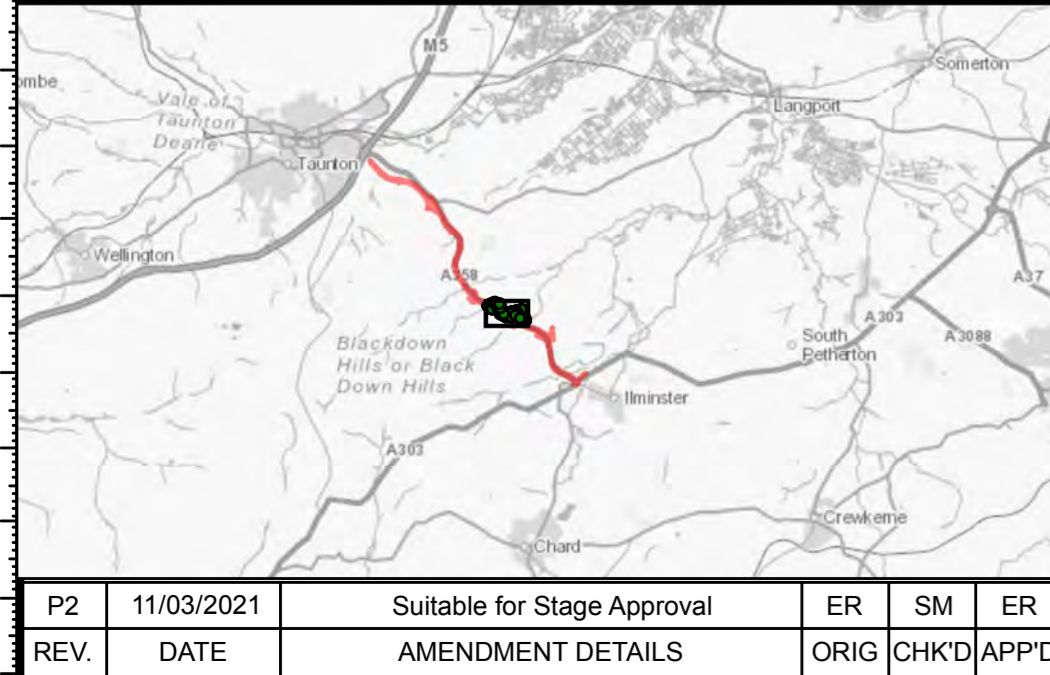
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Location		Type Role Number		Revision P2	





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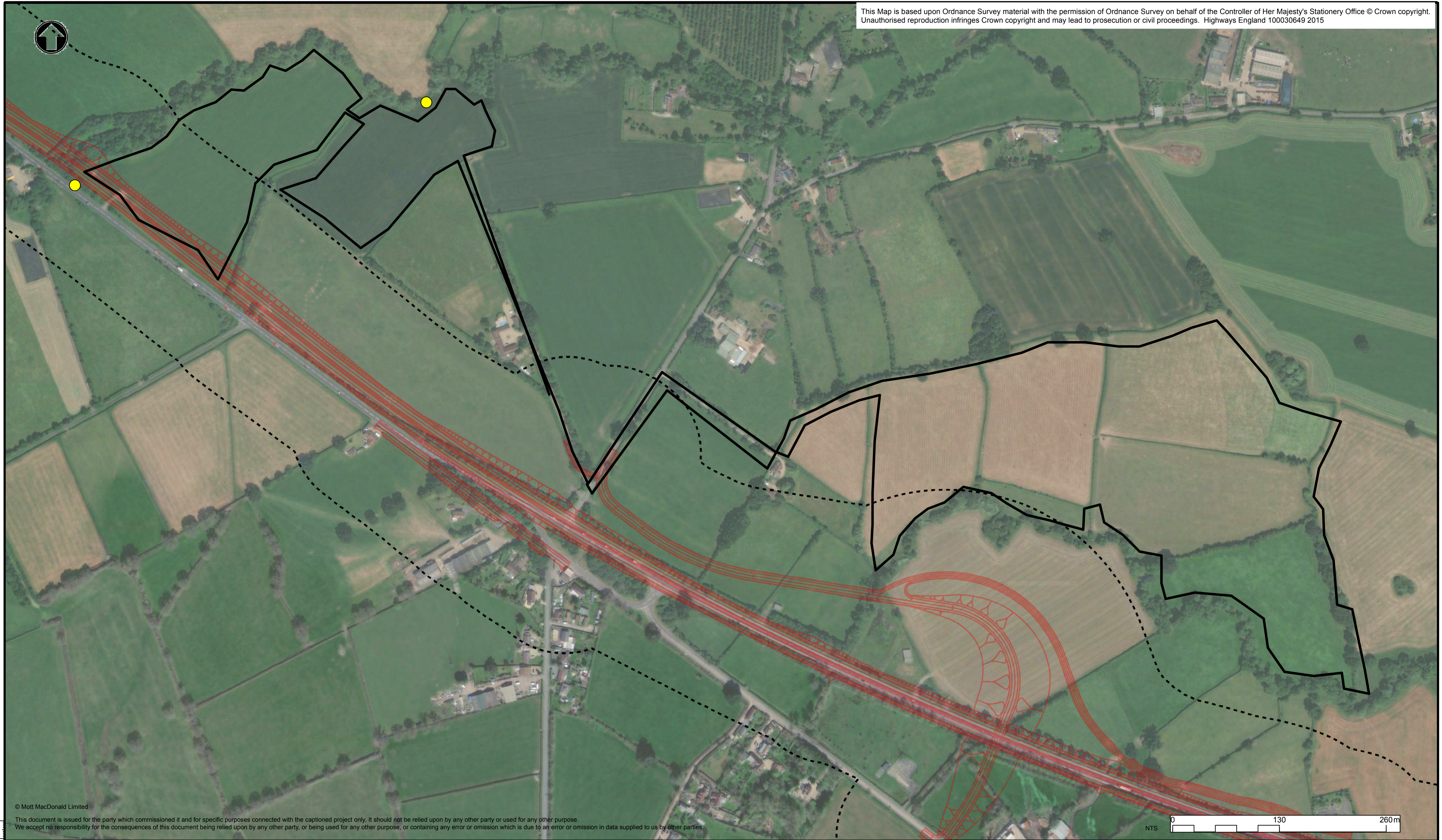


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 Transect results, Mott MacDonald (2020)
 Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,

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	Transect 5		Soprano Pipistrelle
Species			Pipistrelle species
	Barbastelle		Long-eared bat
	Serotine		Common Pipistrelle
	Myotis		

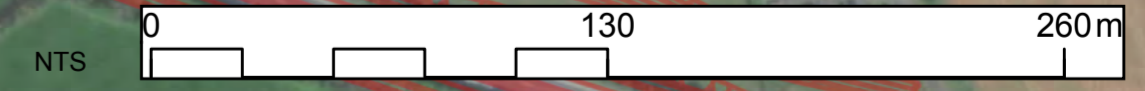
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Mott MacDonald Sweco		Stoneham Place Stoneham Lane Southampton SO50 9NW Tel : +44 (0)23 8062 8800 Fax : +44 (0)23 8062 8801 www.mottmac.com		Drawing Title Transect Results All Species Transect Route 5	
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				- DR - LB - 0207	Revision P2

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P2	11/03/2021	Suitable for Stage Approval	ER	SM	ER



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 Transect results, Mott MacDonald (2020)
 Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,

Key to symbols

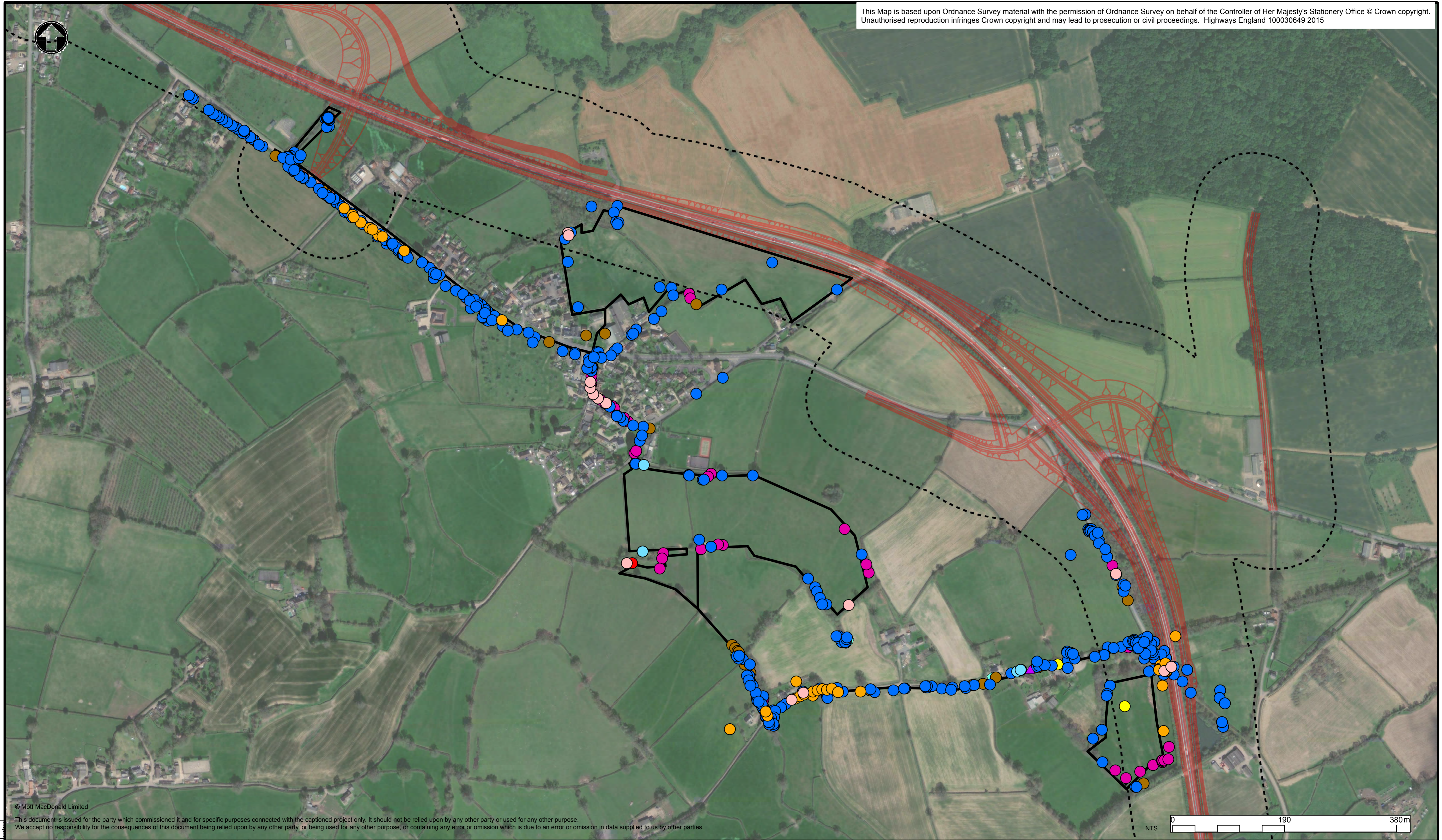
- Pink modified scheme option
- 100m buffer
- Transect 5

Species

- Barbastelle

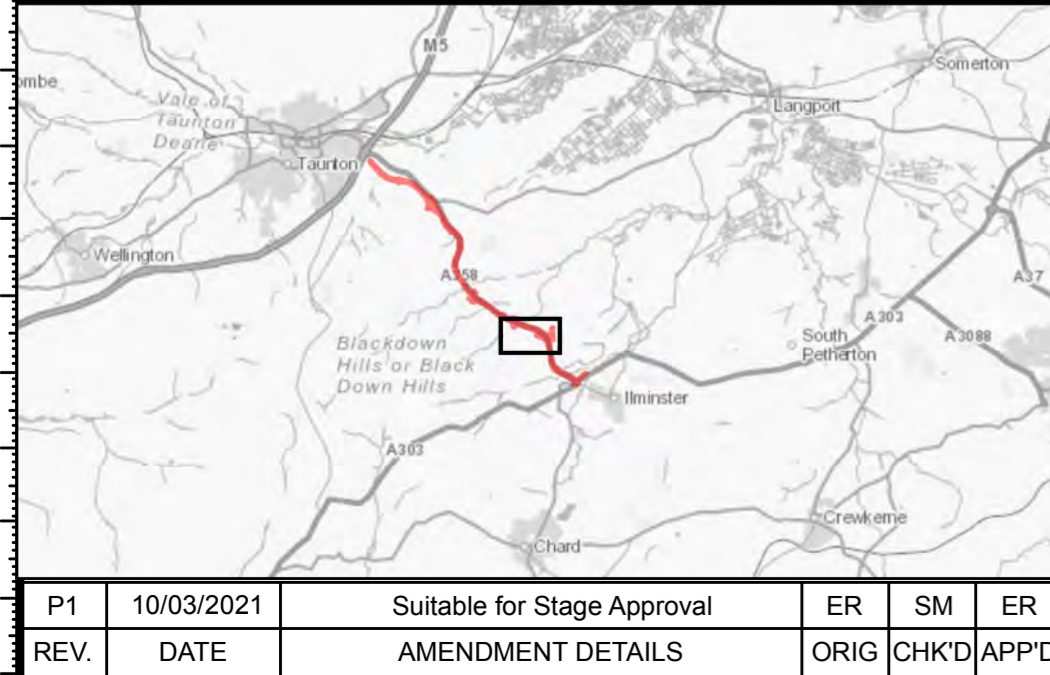
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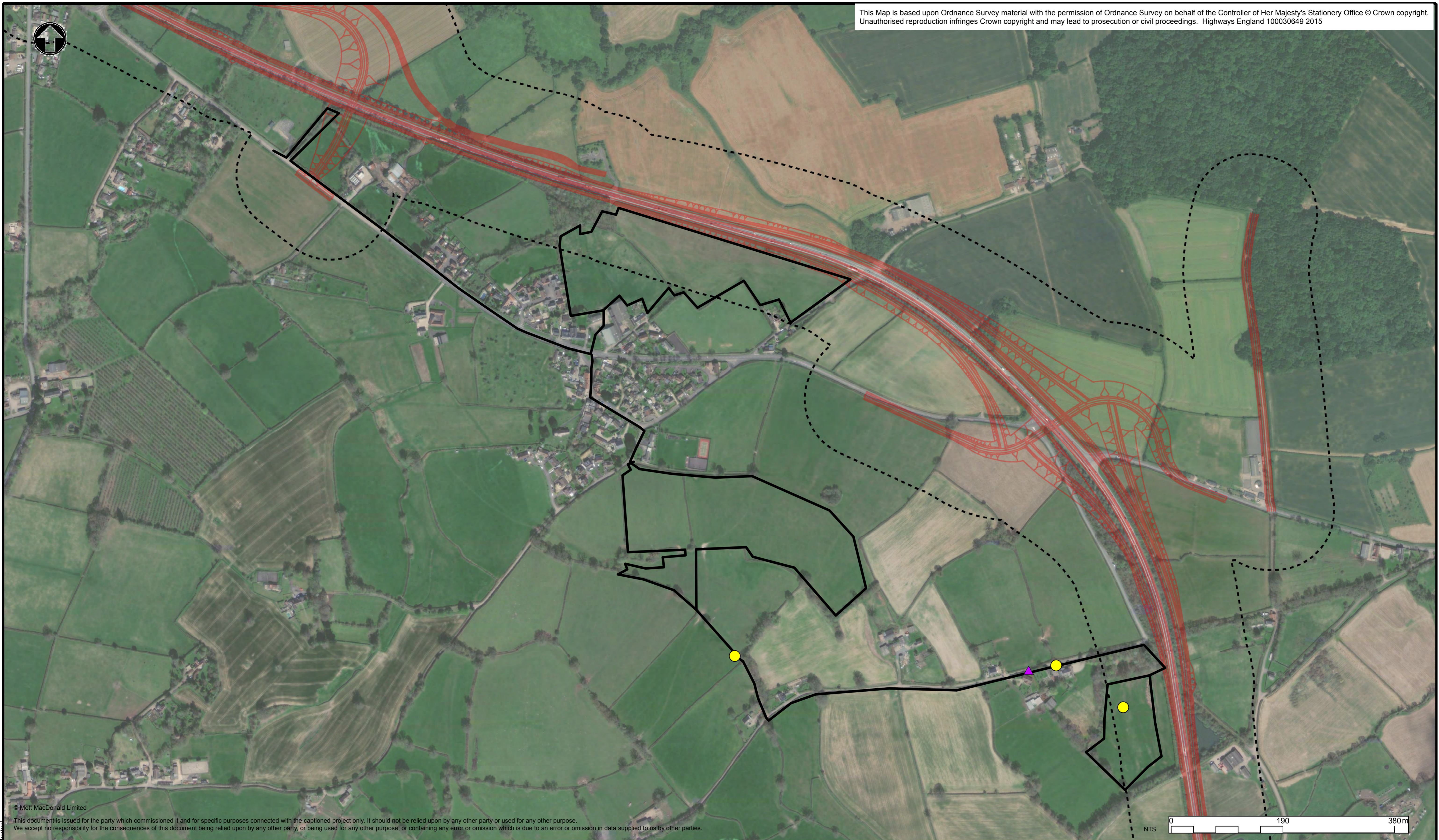
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Notes			Key to symbols		References drawings	
Pink Modified Scheme, Mott MacDonald (2018) Transect results, Mott MacDonald (2020)			Pink modified scheme option		Noctule	
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,			100m buffer		Nyctaloid	
			Transect 6		Common Pipistrelle	
			Species		Soprano Pipistrelle	
			Barbastelle		Pipistrelle species	
			Serotine		Long-eared bat	
			Myotis		Lesser Horseshoe	
			Leisler's bat			

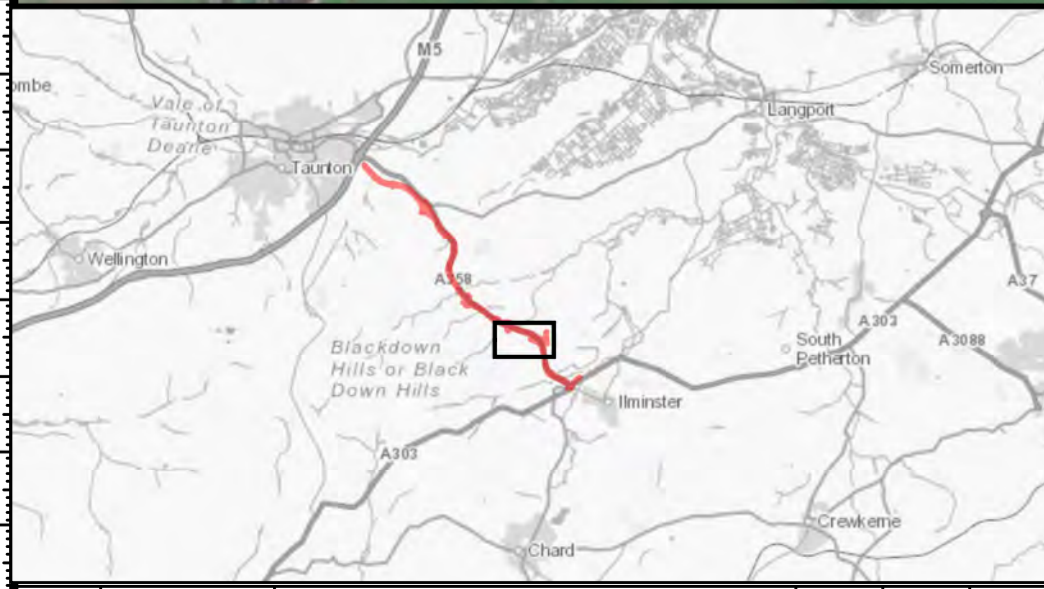
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						Location																									

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Transect results, Mott MacDonald (2020)

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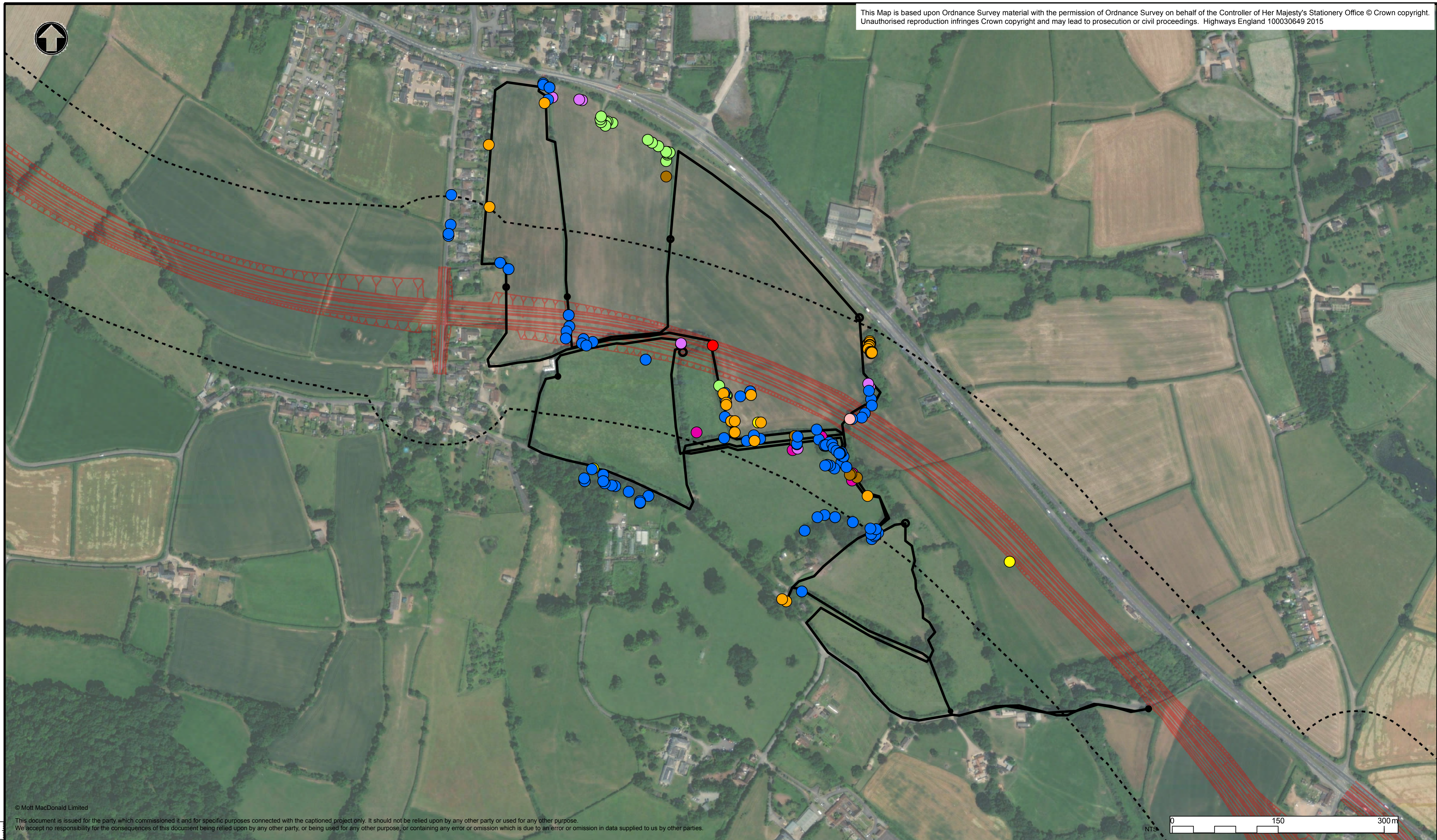
Key to symbols

- Pink modified scheme option
- 100m buffer
- Transect 6
- Species**
- Barbastelle
- ▲ Lesser Horseshoe

References drawings

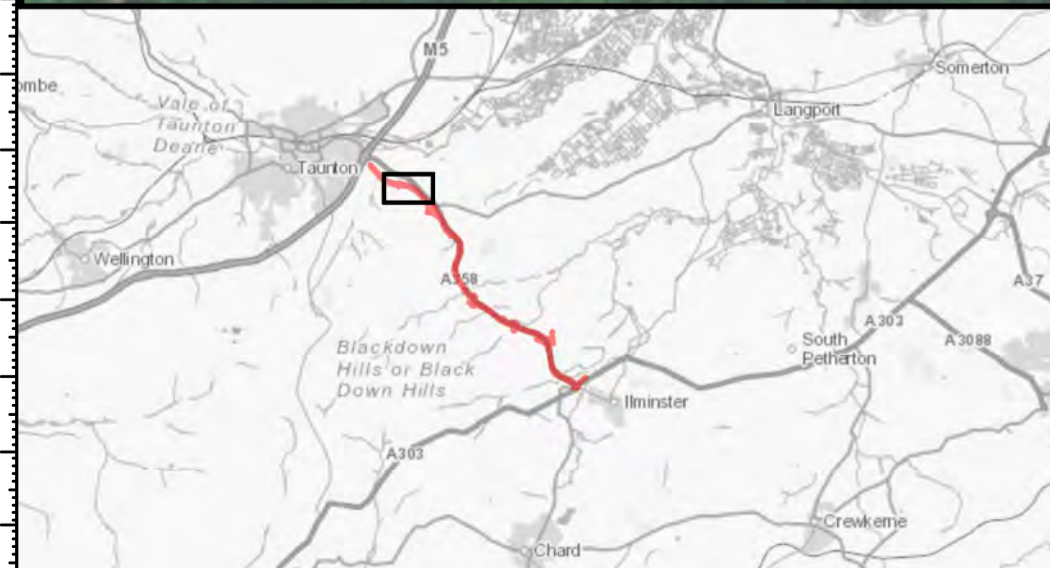
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Mott MacDonald Sweco		Stoneham Place Stoneham Lane Southampton SO50 9NW Tel : +44 (0)23 8062 8800 Fax : +44 (0)23 8062 8801 www.mottmac.com		Drawing Title Transect Results Barbastelle and Lesser Horseshoe Species Transect Route 6	
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Original Size A1	Date 10/03/2021	Date 10/03/2021	Date 10/03/2021	Date 10/03/2021	
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Transect results, Mott MacDonald (2020)

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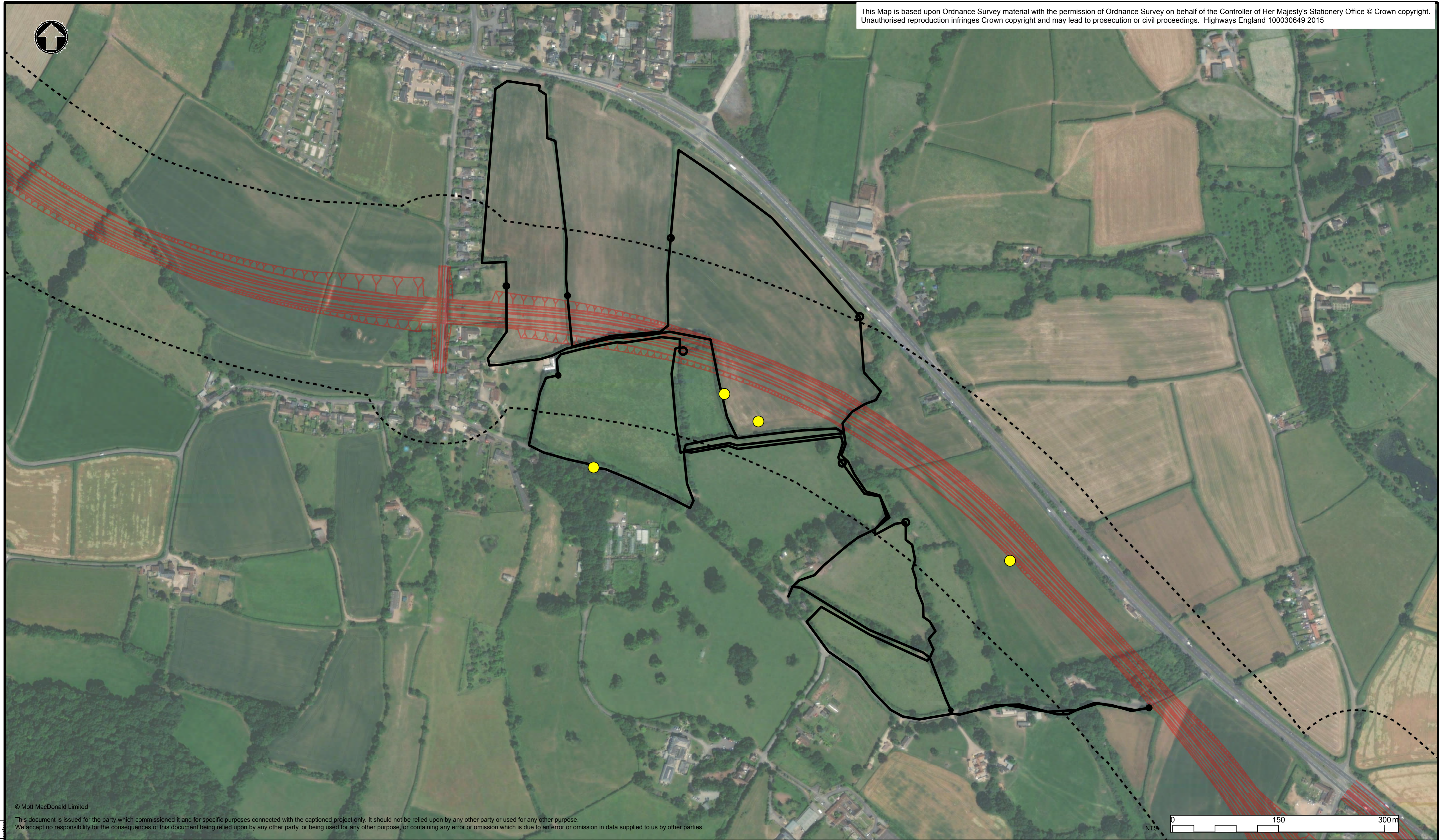
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- 100m buffer
- Transect 8
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- Serotine
- Nyctaloid
- Leisler's bat
- Common Noctule
- Noctule species
- Common Pipistrelle
- Soprano Pipistrelle
- Long-eared bat

References drawings

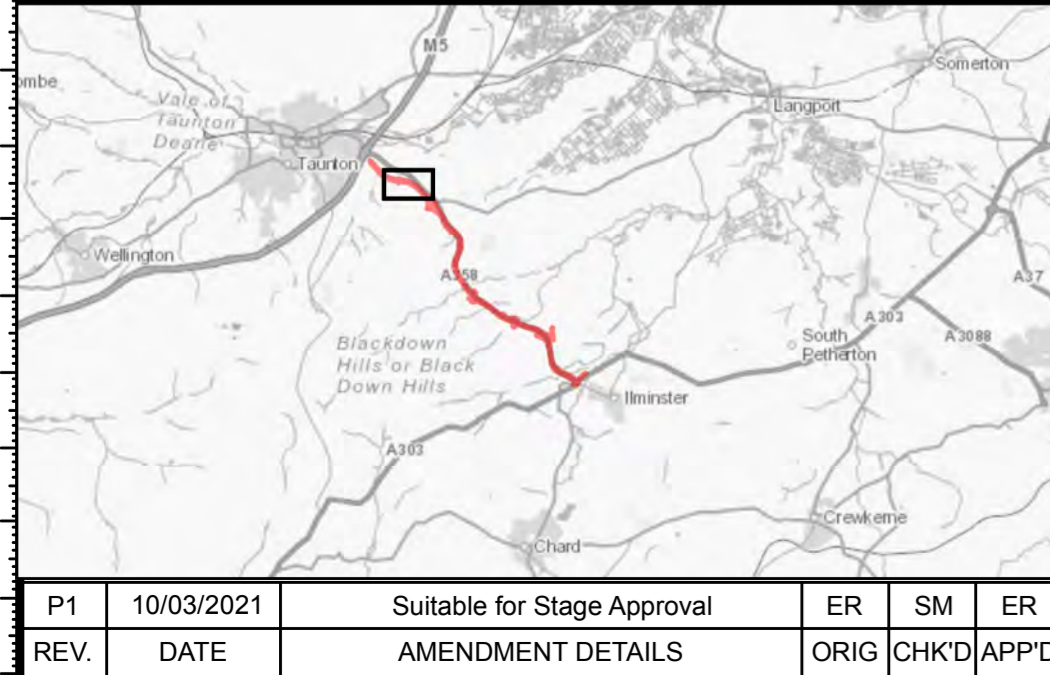
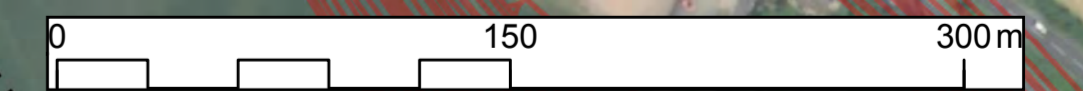
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Location	Type	Role	Number	P1	

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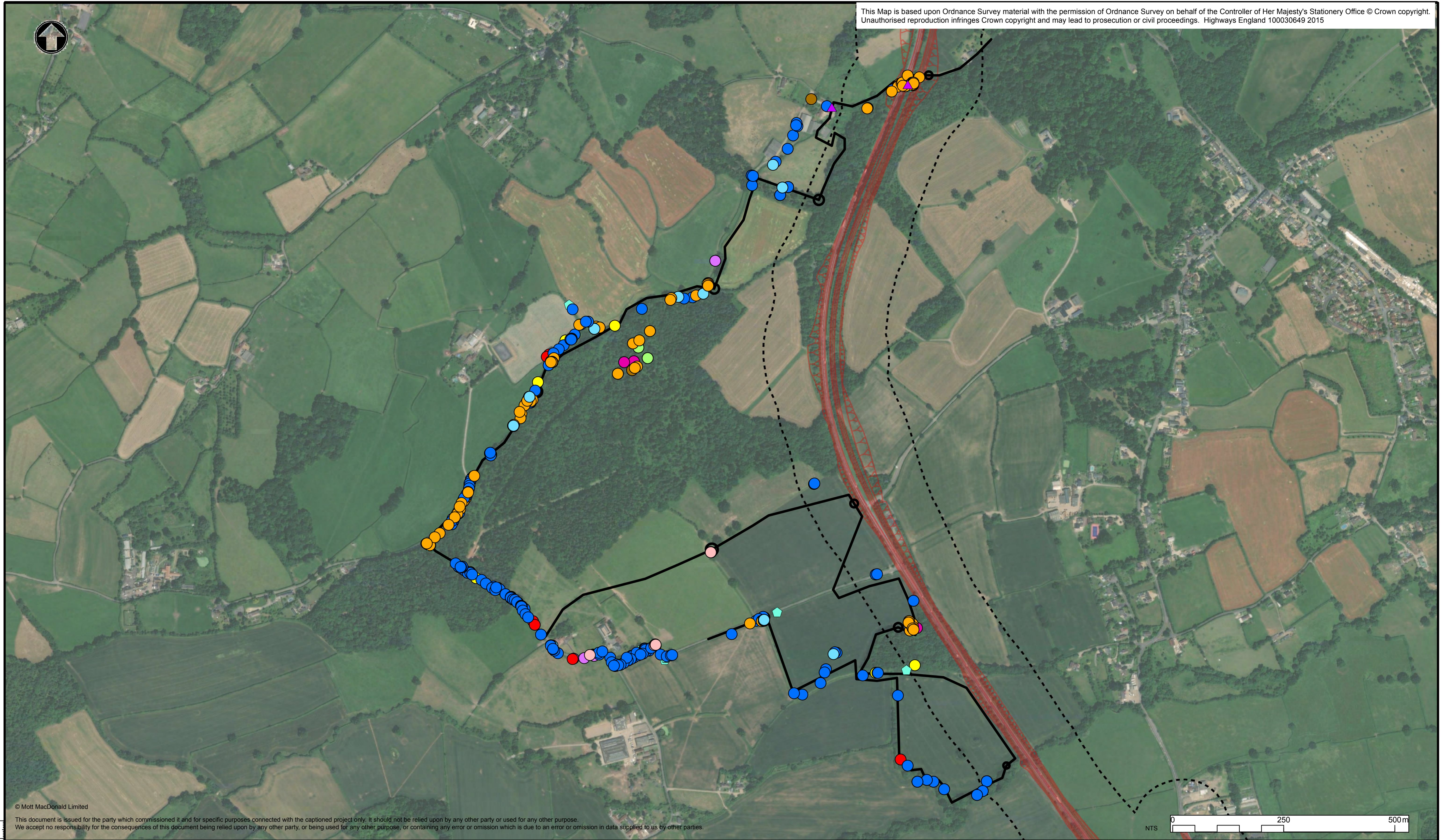
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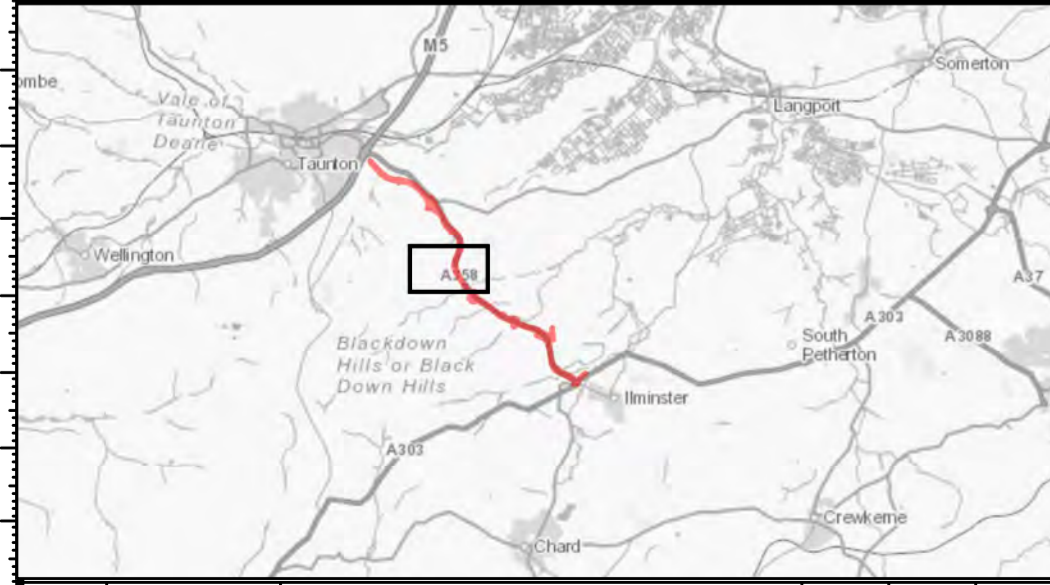
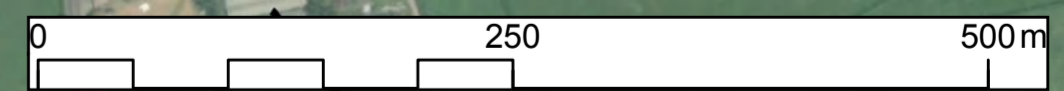
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Drawing Status	Suitable for Stage Approval	Suitability	S4	Project Title	A358 Taunton to Southfields									
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Notes		Key to symbols		References drawings	
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Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics,		⋯ 100m buffer		● Soprano Pipistrelle	
		— Transect 9		● Pipistrelle species	
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		● Barbastelle		● Lesser Horseshoe	
		● Serotine		● Common Pipistrelle	
		● Nyctaloid		● Noctule	
		● Leisler's bat		● Nyctalus spp.	

Drawing Status	Suitable for Stage Approval	Suitability	S4	Project Title	A358 Taunton to Southfields							
Mott MacDonald Sweco		Stoneham Place Stoneham Lane Southampton SO50 9NW Tel : +44 (0)23 8062 8800 Fax : +44 (0)23 8062 8801 www.mottmac.com		Drawing Title	Transect Results Pipistrelle Species Transect Route 9							
Client			Scale	NTS	Designed	DL	Drawn	ER	Checked	SM	Approved	ER
			Original Size	A1	Date	10/03/2021	Date	10/03/2021	Date	10/03/2021	Date	10/03/2021
			Drawing Number	HE PIN		Originator	Volume		Project Ref. No.			
			000	- DR - LB - 0193		MMSJV - EBD -		370774				
			Location	Type	Role	Number	Revision			P1		

REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P1	10/03/2021	Suitable for Stage Approval	ER	SM	ER