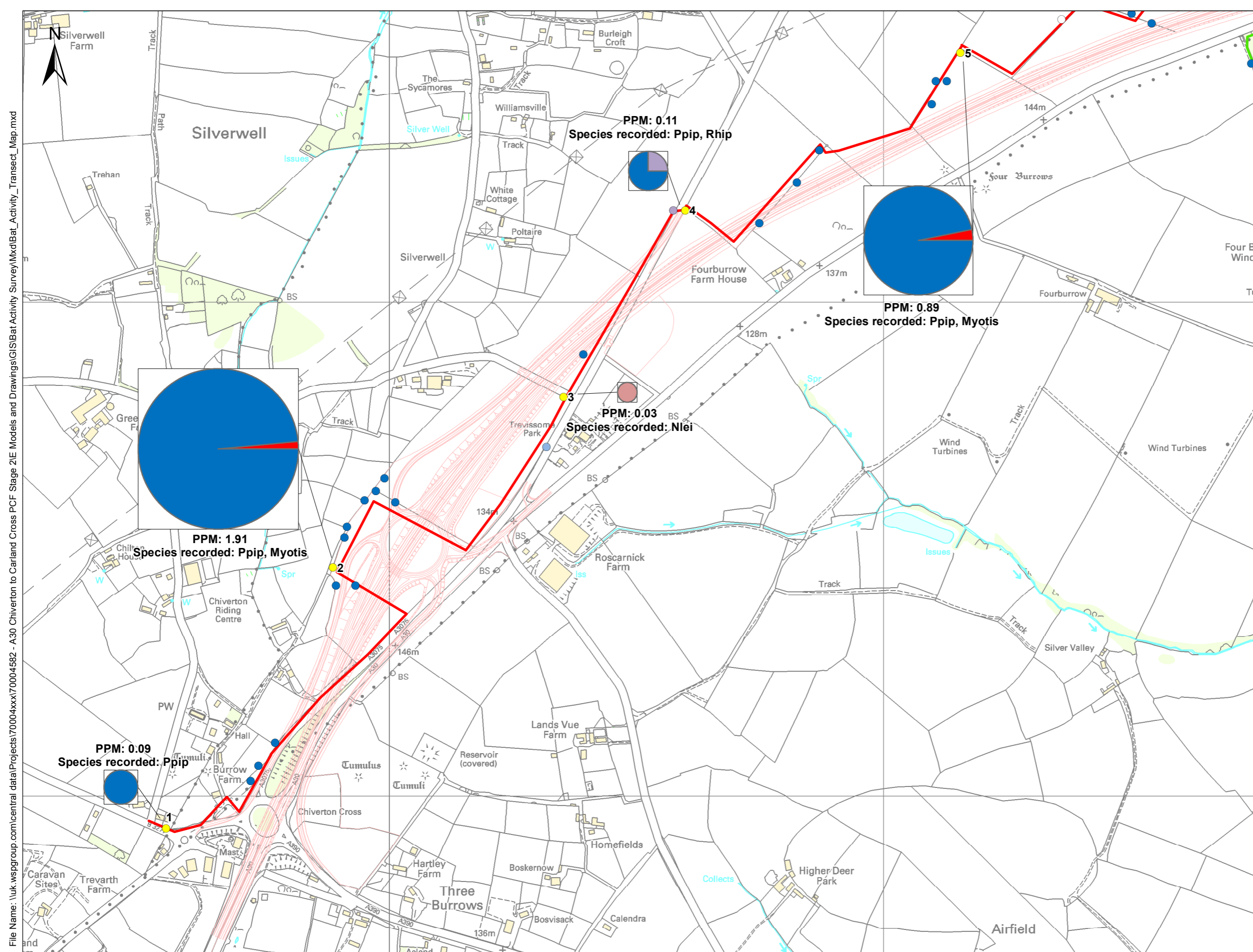


# **A30 Chiverton to Carland Cross Improvement Scheme Preliminary Environmental Information Report**

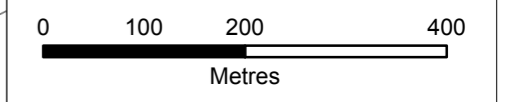
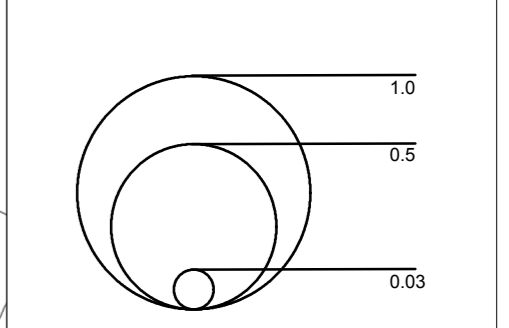
PEIR Appendix 8.20 Bat Activity  
Survey Report



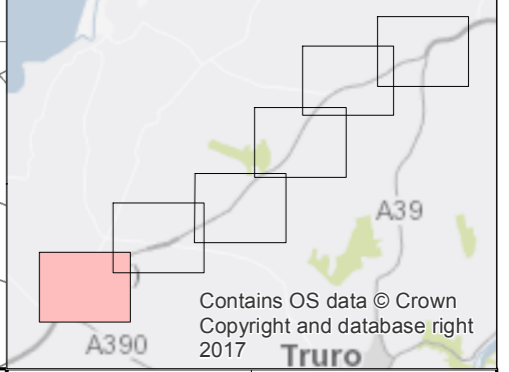
- Proposed Scheme
- Point Count
- Bat Passes**
  - Esero
  - Plecotus
  - Nlei
  - Nnoc
  - Rfer
  - Rhip
  - Myotis
  - Ppyg
  - Ppip
  - Unidentified

- Bat Species Observed**
  - Nnoc/Nlei
  - Esero
  - Plecotus
  - Nlei
  - Nnoc
  - Rfer
  - Rhip
  - Myotis
  - Bbarb
  - P50
  - P40
  - Ppyg
  - Ppip
- Transect Routes**
  - 1
  - 2
  - 3
  - 4
  - 5
  - Diversion
  - Diversion
  - Diversion

**Chart Totals (Representative PPM)**  
PPM=Bat passes per minute



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 Plot Date: 13/10/2017  
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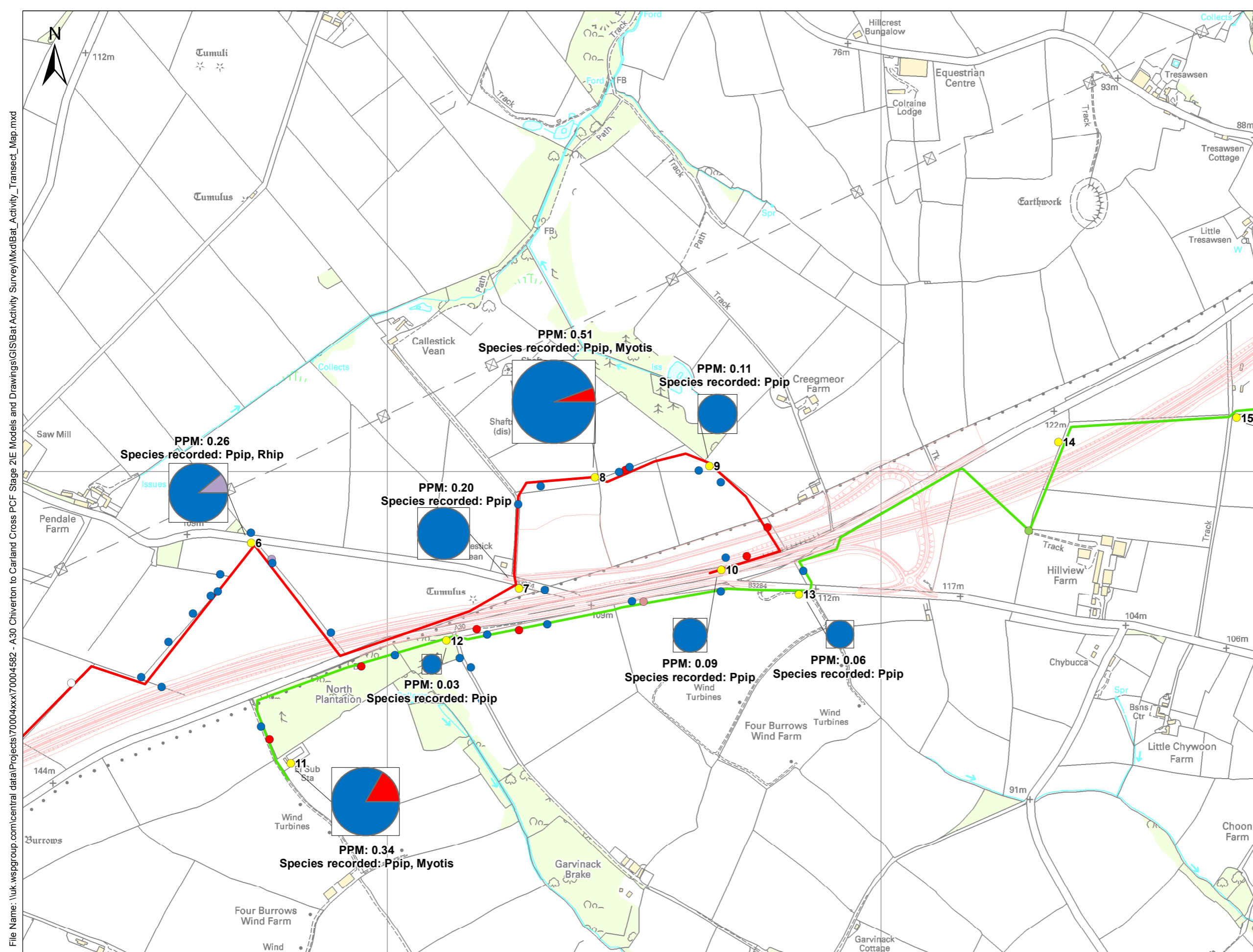
Kings Orchard,  
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 BS2 0HQ  
 Tel: 44-(0)117-930-6200

Client:  
  
 Project:  
**A30 CHIVERTON TO CARLAND CROSS**

Title:  
**BAT ACTIVITY TRANSECT MAP**  
 PAGE 1 OF 6

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Project Number: 70004582	Drawing Number: FIGURE 2
A3 Sheet:	Revision:

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Proposed Scheme

Point Count

**Bat Passes**

- Esero
- Plecotus
- Nlei
- Nnoc
- Rfer
- Rhip
- Myotis
- Ppyg
- Ppip
- Unidentified

**Bat Species Observed**

- Nnoc/Nlei
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- P50
- P40
- Ppyg
- Ppip

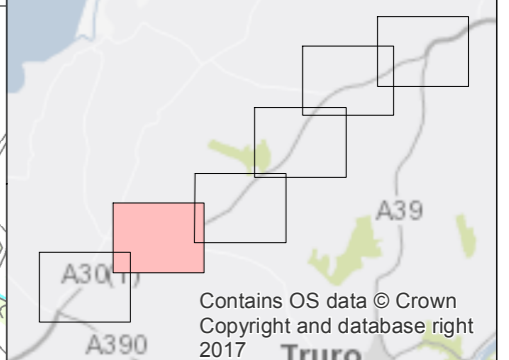
**Transect Routes**

- 1
- 2
- 3
- 4
- 5
- Diversion
- Diversion
- Diversion

**Chart Totals (Representative PPM)**  
PPM=Bat passes per minute

0 100 200 400 Metres

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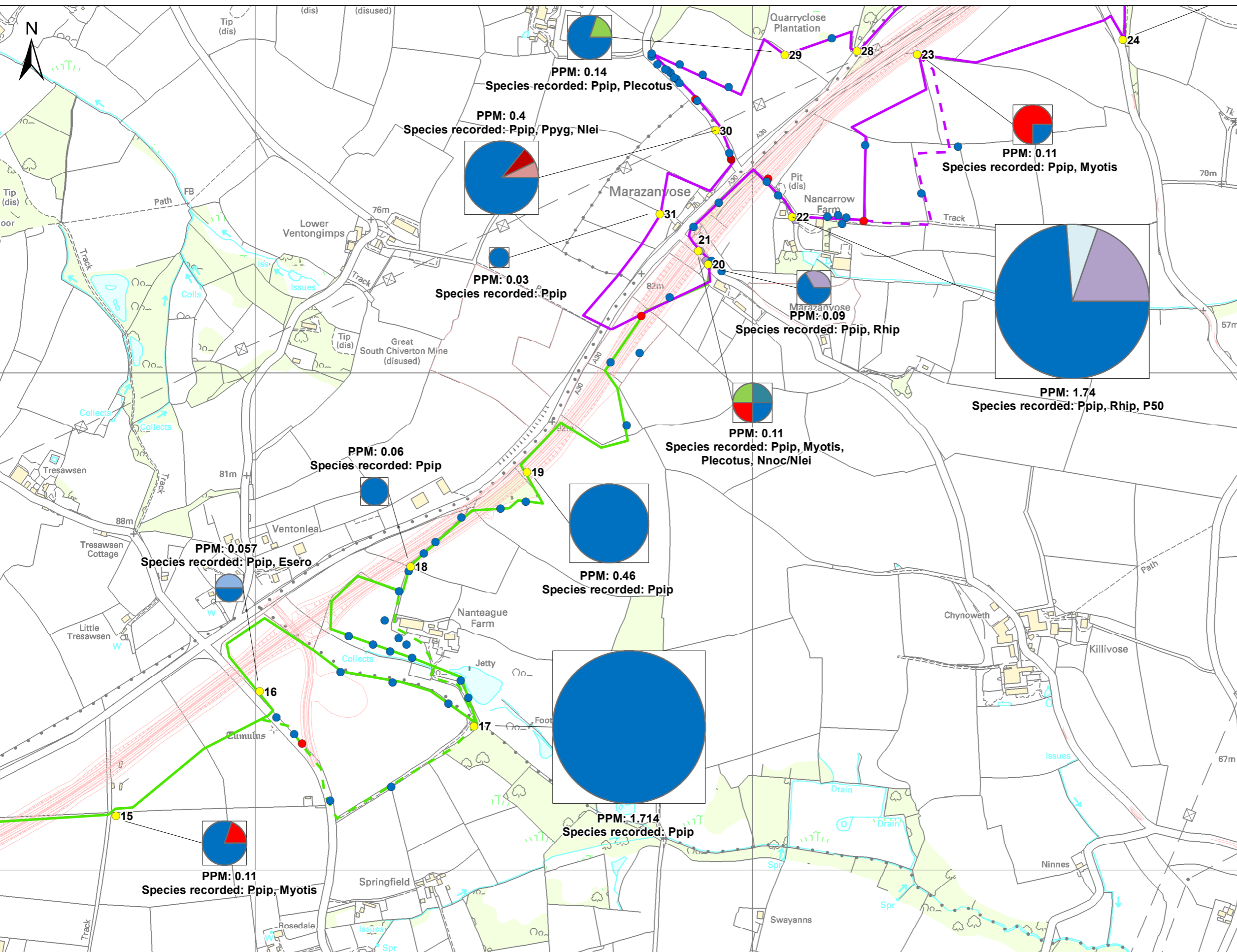
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**BAT ACTIVITY TRANSECT MAP**  
**PAGE 2 OF 6**

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**Proposed Scheme**

**Point Count**

**Bat Passes**

- Esero
- Plecotus
- Nlei
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- Rfer
- Rhip
- Myotis
- Ppyg
- Unidentified

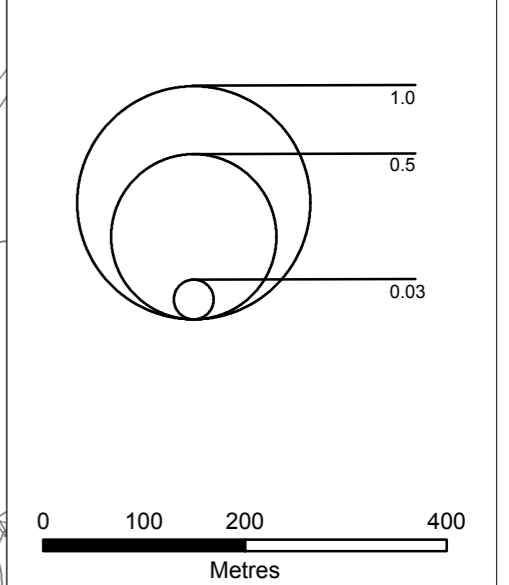
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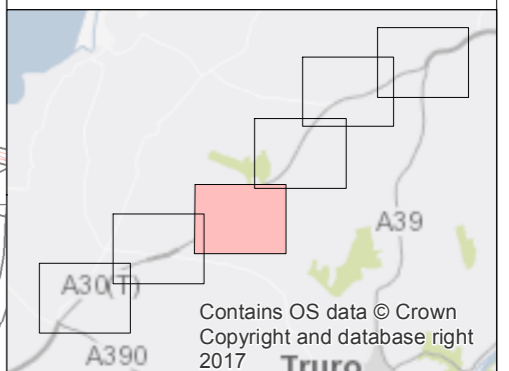
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- 1
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- Diversion
- Diversion
- Diversion

**Chart Totals (Representative PPM)**  
 PPM=Bat passes per minute



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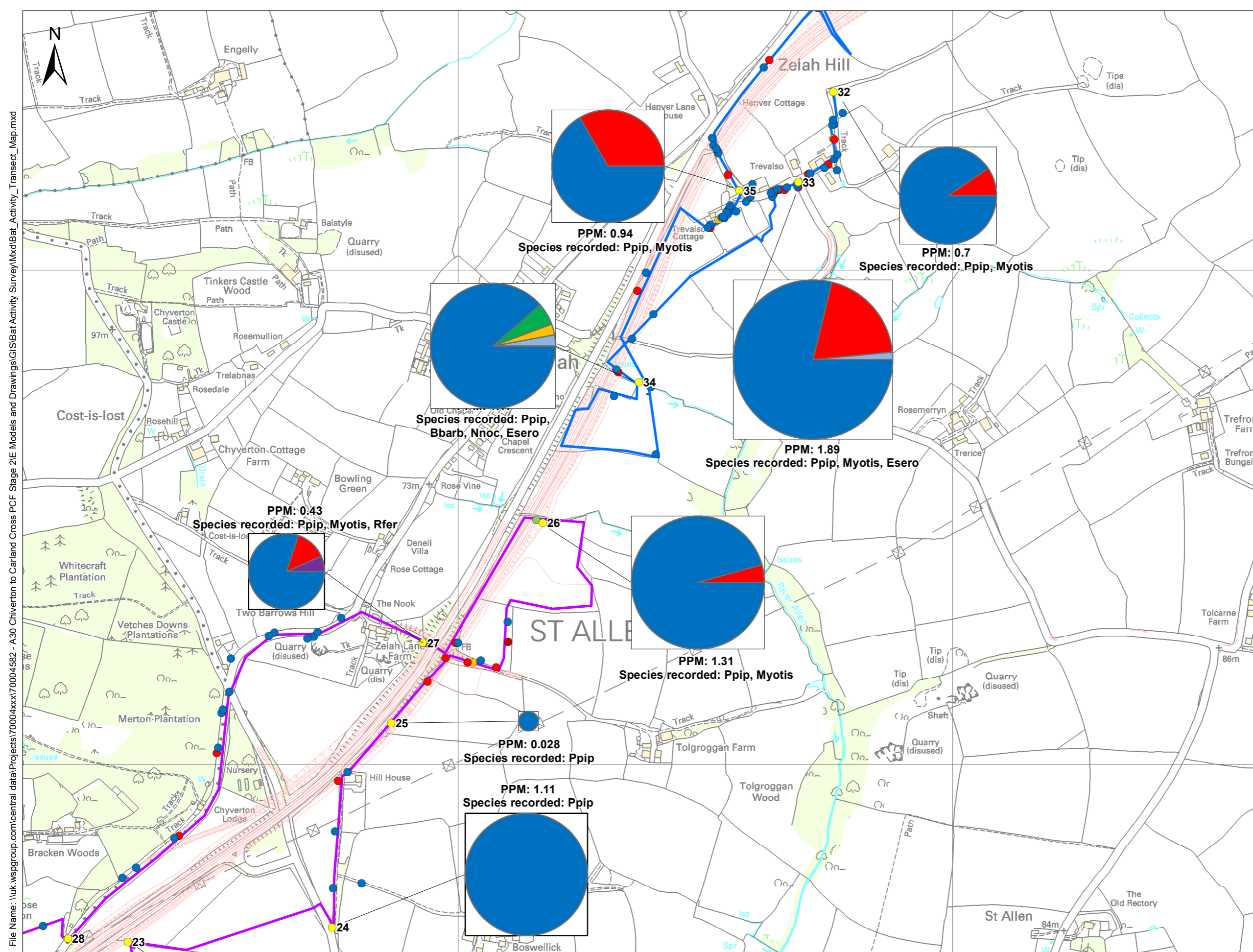
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Title: **BAT ACTIVITY TRANSECT MAP**  
 PAGE 3 OF 6

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**Proposed Scheme**

**Point Count**

**Bat Passes**

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- Ppip

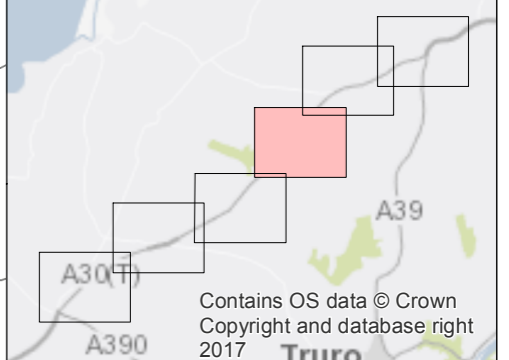
**Transect Routes**

- 1
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- Diversion
- Diversion
- Diversion

**Chart Totals (Representative PPM)**  
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0 100 200 400 Metres

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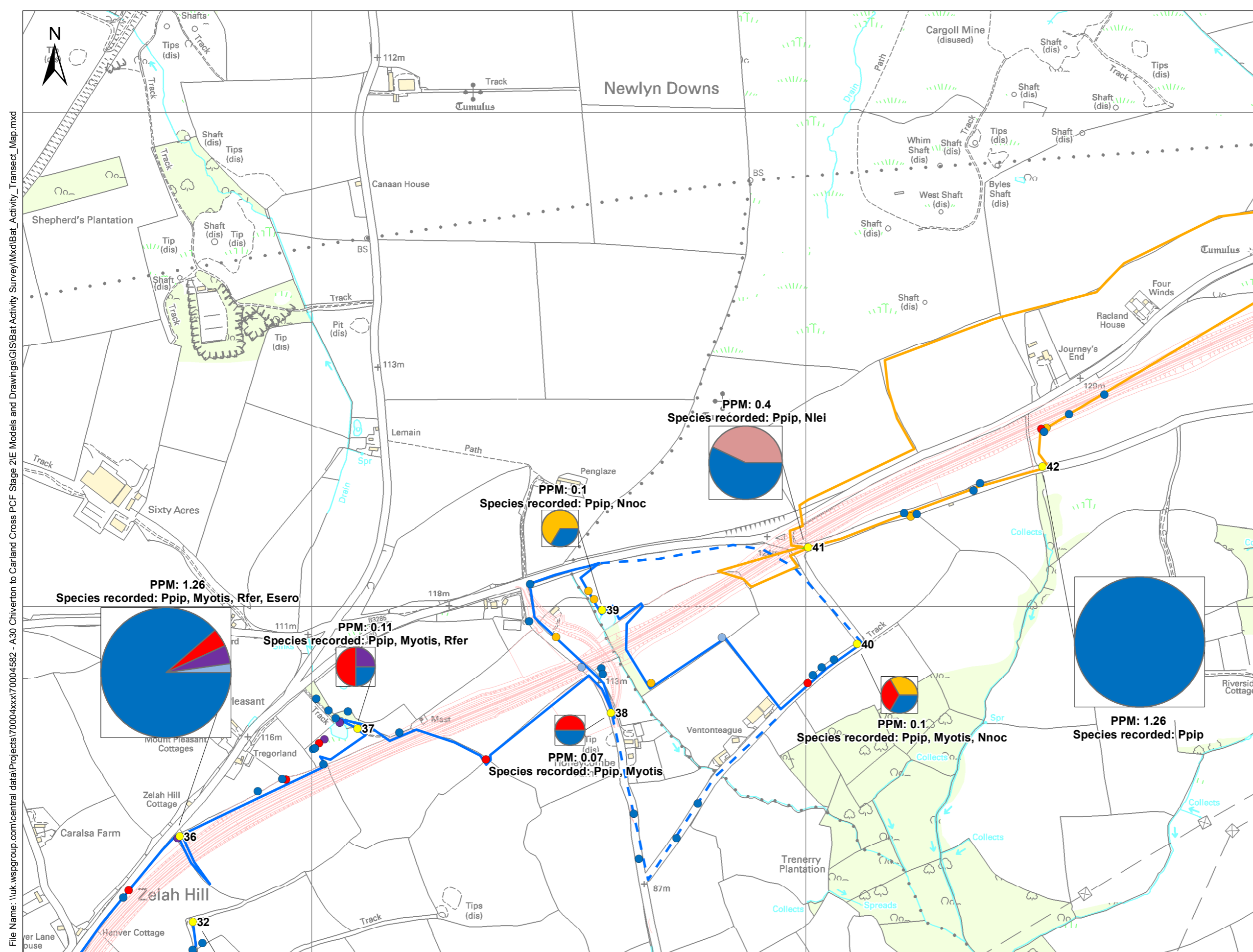
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Project: **A30 CHIVERTON TO CARLAND CROSS**

Title: **BAT ACTIVITY TRANSECT MAP**  
**PAGE 4 OF 6**

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**Proposed Scheme**

**Point Count**

**Bat Passes**

- Esero
- Plecotus
- Nlei
- Nnoc
- Rfer
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- Myotis
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- Unidentified

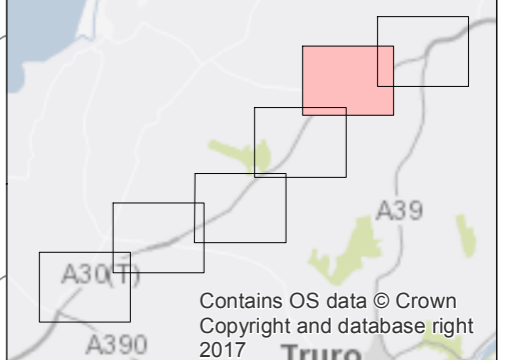
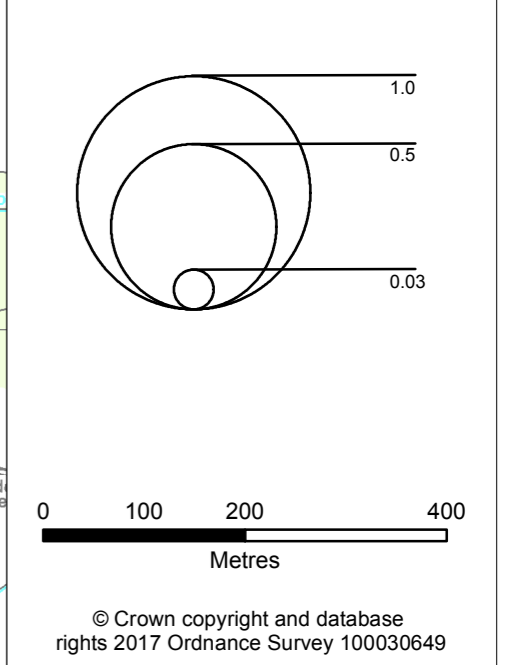
**Bat Species Observed**

- Nnoc/Nlei
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- Nlei
- Nnoc
- Rfer
- Rhip
- Myotis
- Bbarb
- P50
- P40
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**Transect Routes**

- 1
- 2
- 3
- 4
- 5
- Diversion
- Diversion
- Diversion

**Chart Totals (Representative PPM)**  
PPM=Bat passes per minute



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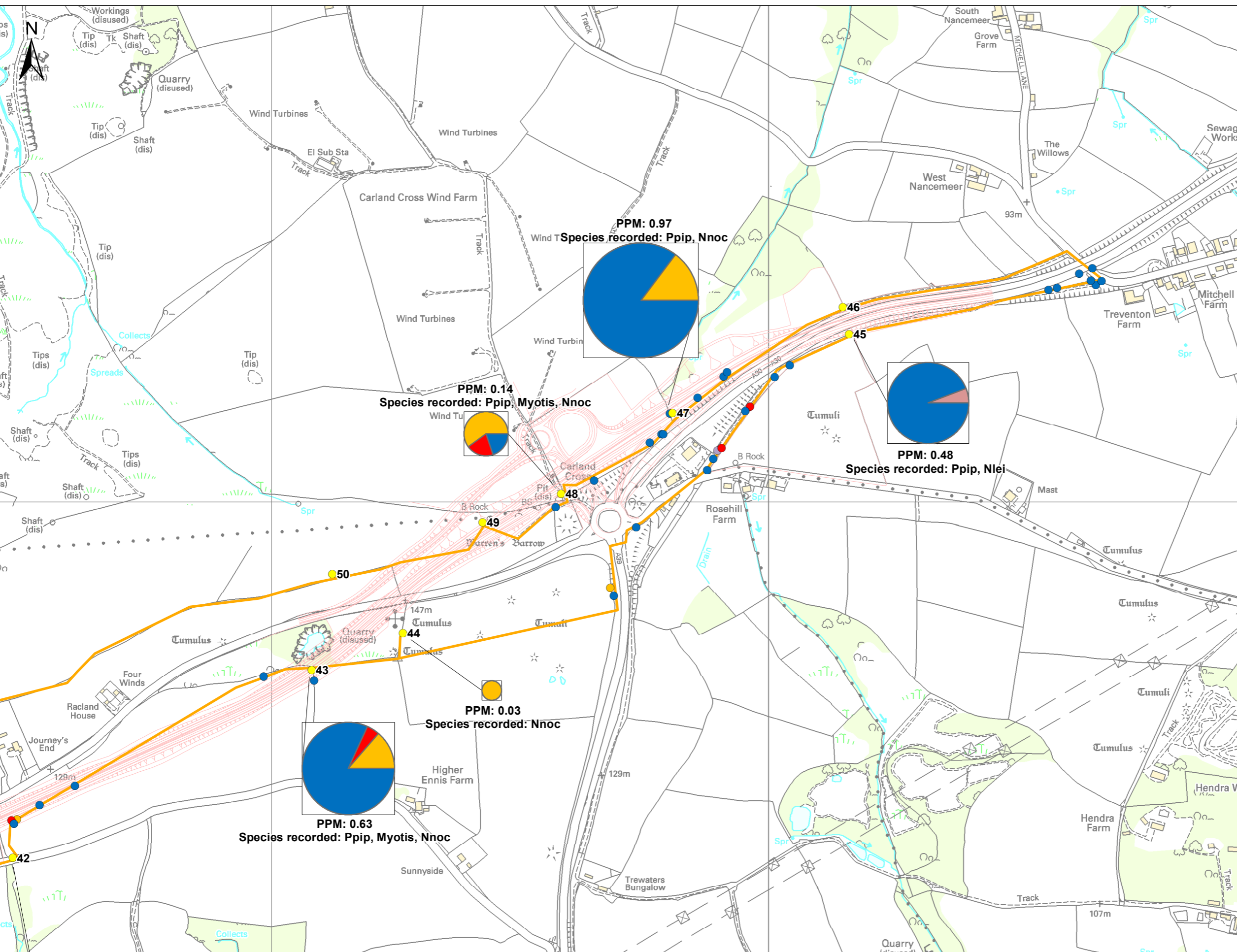
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Title: **BAT ACTIVITY TRANSECT MAP**  
**PAGE 5 OF 6**

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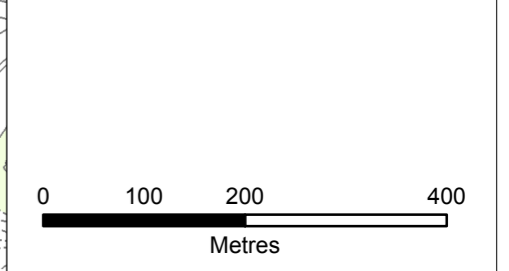
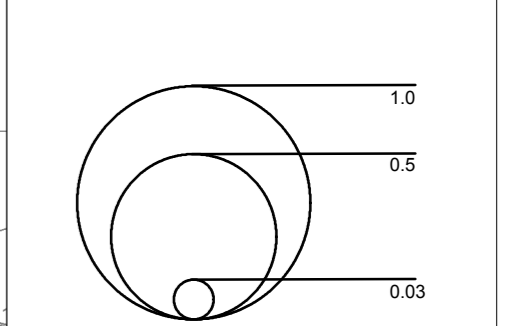
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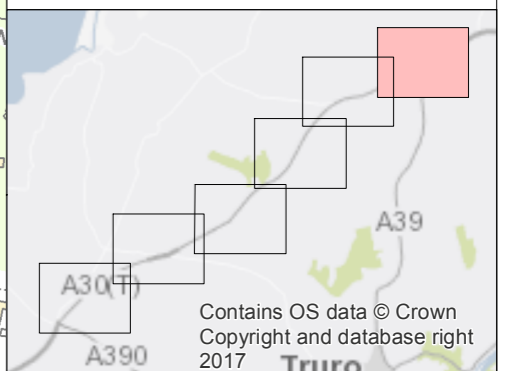
- Proposed Scheme
- Point Count
- Bat Passes**
  - Esero
  - Plecotus
  - Nlei
  - Nnoc
  - Rfer
  - Rhip
  - Myotis
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- Bat Species Observed**
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  - Bbarb
  - P50
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  - 1
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  - 3
  - 4
  - 5
  - Diversion
  - Diversion
  - Diversion

**Chart Totals (Representative PPM)**  
 PPM=Bat passes per minute



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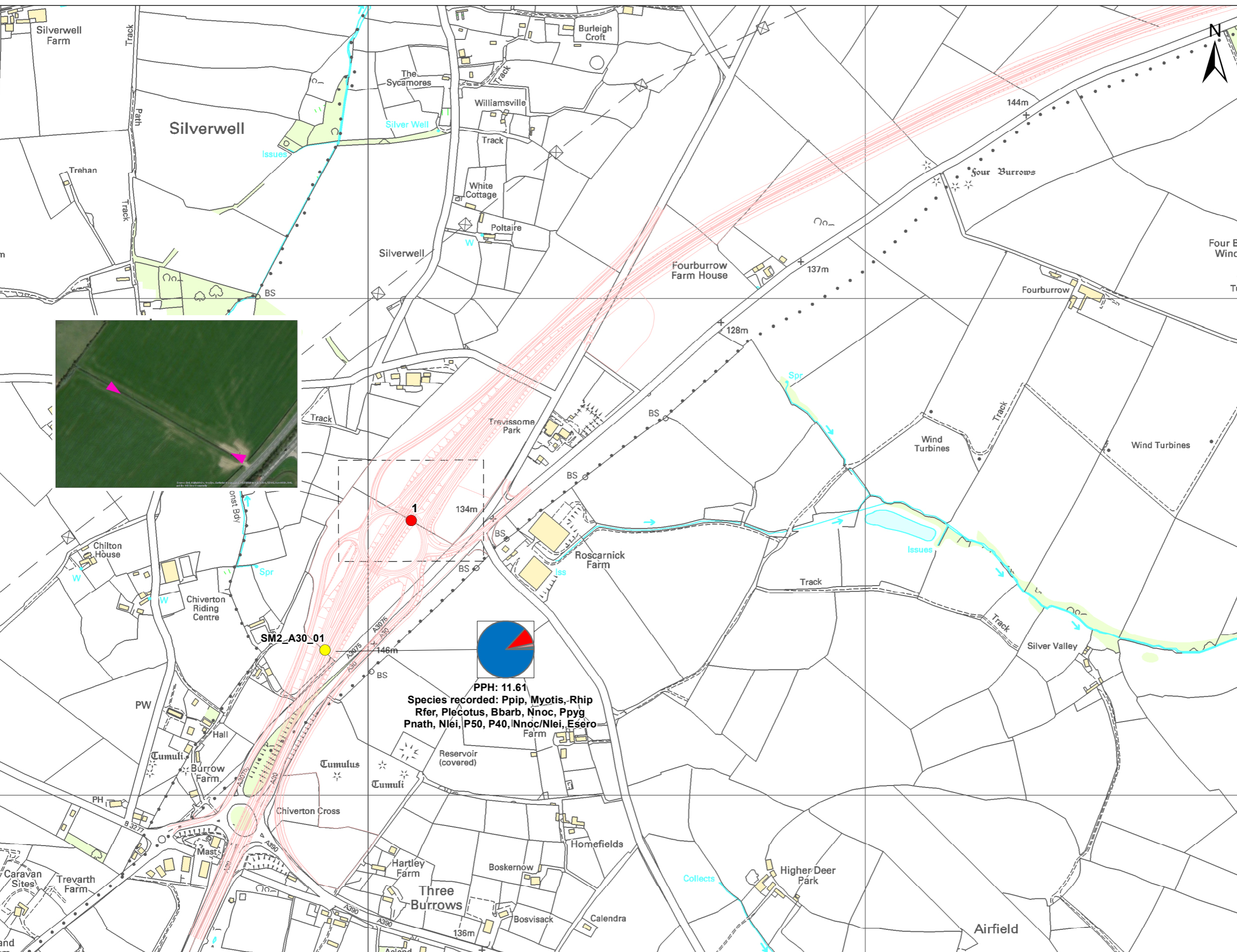
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**PAGE 6 OF 6**

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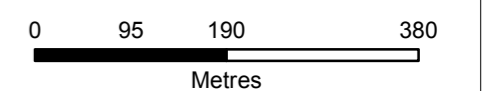
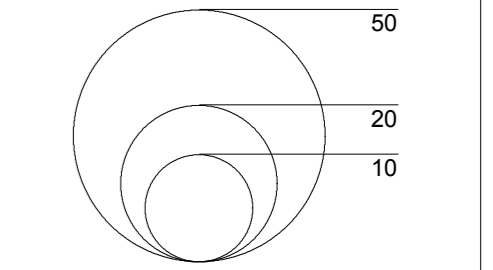
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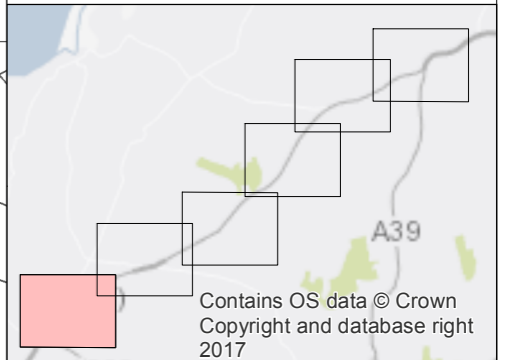
- Proposed Route
- Static Detector Location
- Crossing Points
- Extent of Aerial Image
- Surveyor Location and direction

- Bat Species Observed**
- |          |        |
|----------|--------|
| NnocNlei | Myotis |
| Esero    | Bbarb  |
| Plecotus | Pnath  |
| Nlei     | P50    |
| Nnoc     | P40    |
| Rfer     | Ppyg   |
| Rhip     | Ppip   |

**Chart Totals (Representative PPH)**  
 PPH = passes per hour



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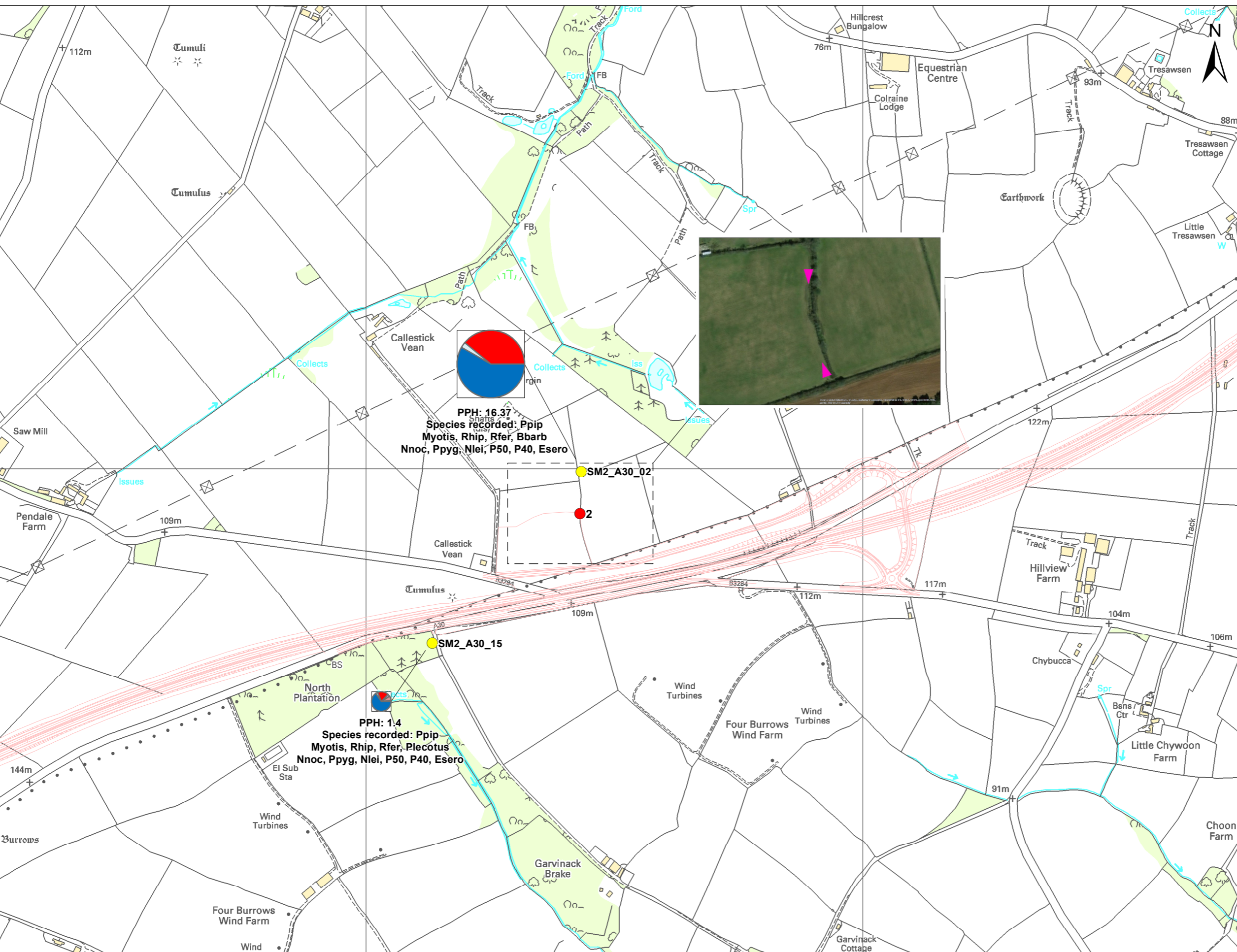
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**PAGE 1 OF 6**

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Revision:	

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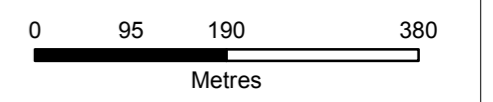
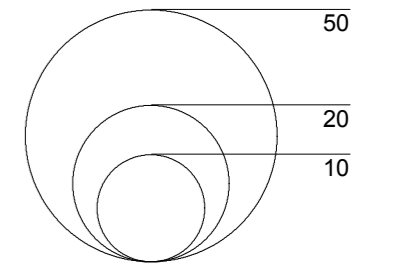
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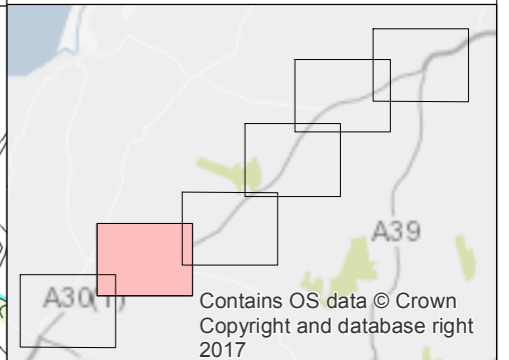
- Proposed Route
- Static Detector Location
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- |          |        |
|----------|--------|
| NnocNlei | Myotis |
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Title: **STATIC DETECTOR AND CROSSING POINT SURVEY PAGE 2 OF 6**

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	Revision:

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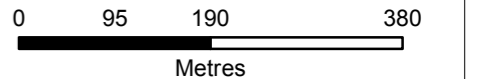
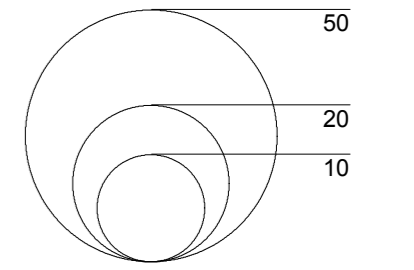
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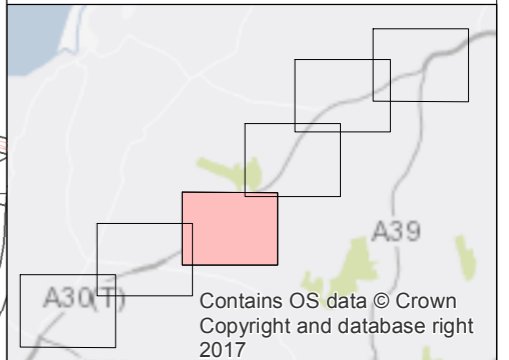
- Proposed Route
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| NnocNlei | Myotis |
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**Chart Totals (Representative PPH)**  
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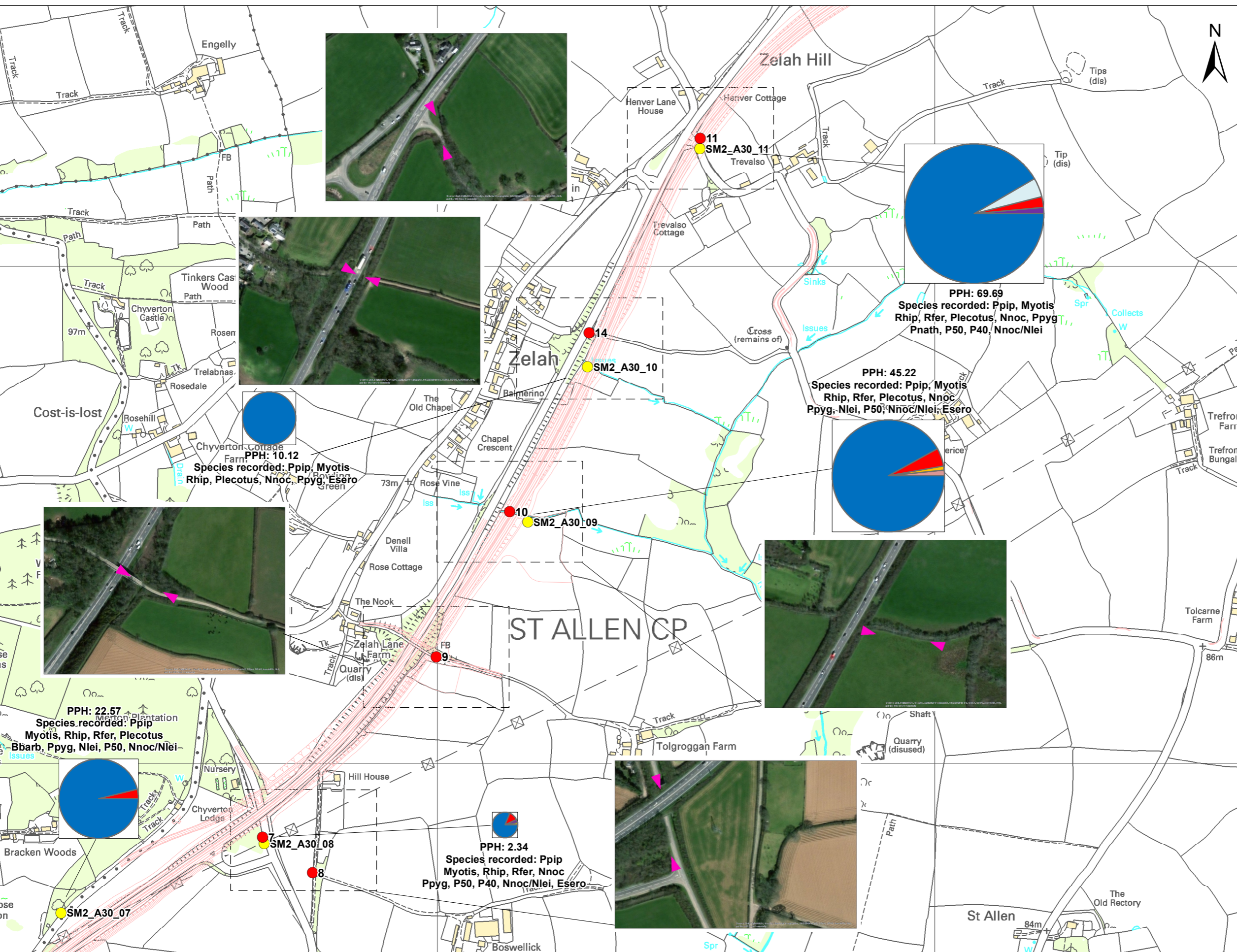
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	Revision:

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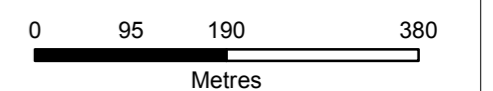
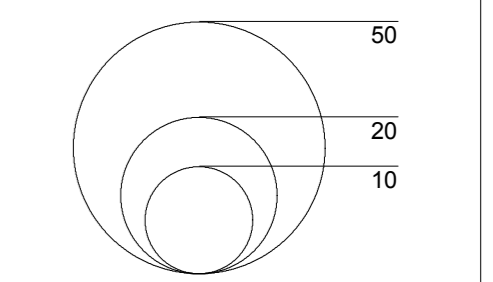
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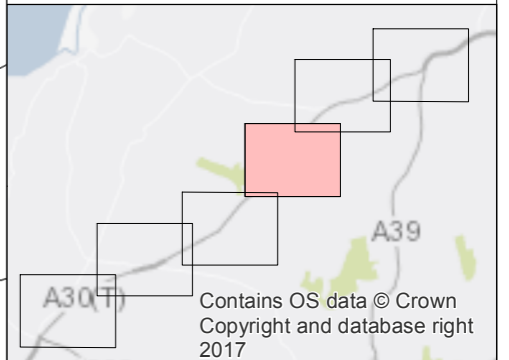
- Proposed Route
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Title: **STATIC DETECTOR AND CROSSING POINT SURVEY PAGE 4 OF 6**

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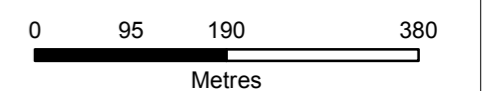
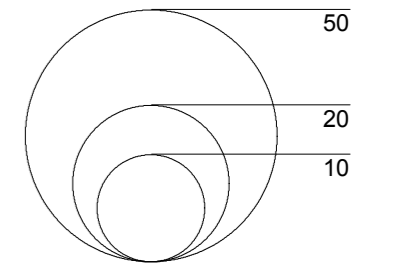
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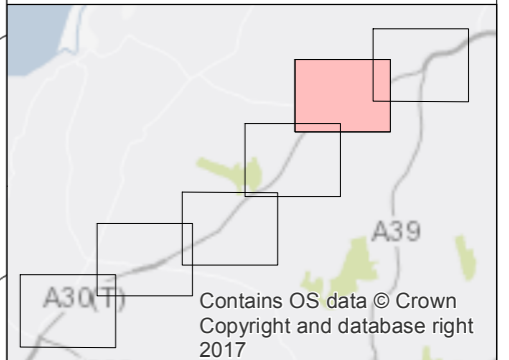
- Proposed Route
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- |          |        |
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| Rfer     | Ppyg   |
| Rhip     | Ppip   |

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 PPH = passes per hour



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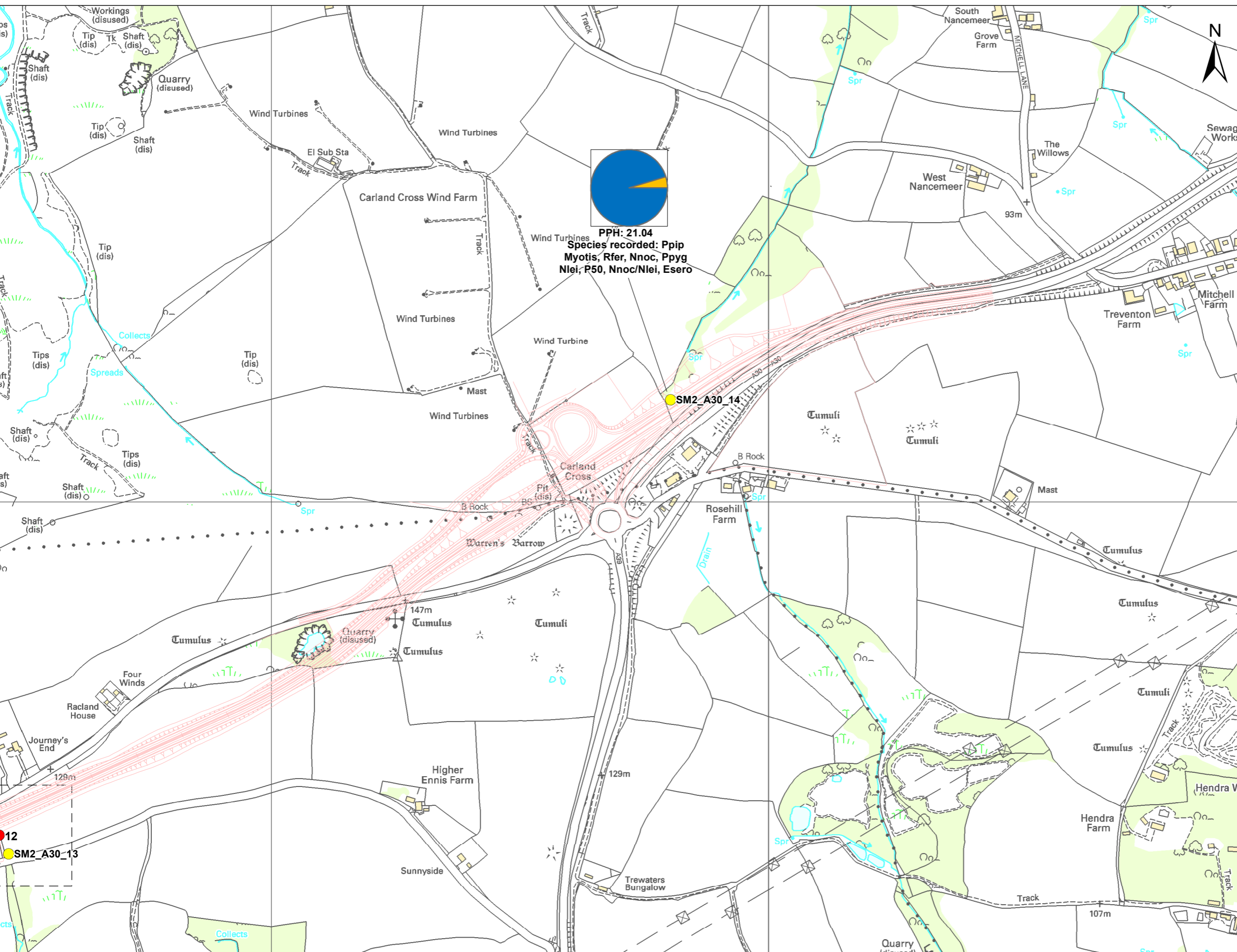
Project: **A30 CHIVERTON TO CARLAND CROSS**

Title: **STATIC DETECTOR AND CROSSING POINT SURVEY**  
**PAGE 5 OF 6**

Drawn: JsdS	Checked: MC
Designed: MC	Approved: UD
Date: 13/10/2017	Scale: 1:197,036 A3 Sheet:
Project Number: 70004582	Drawing Number: FIGURE 3
Revision:	

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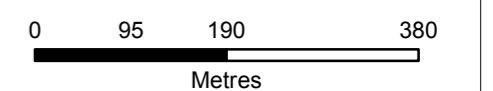
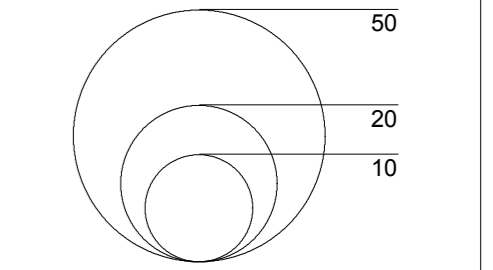
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 Plot Date: 13/10/2017  
 Login: desouzaj



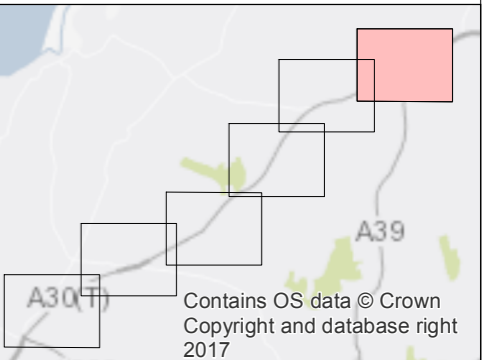
- Proposed Route
- Static Detector Location
- Crossing Points
- Extent of Aerial Image
- Surveyor Location and direction

- Bat Species Observed**
- |          |        |
|----------|--------|
| NnocNlei | Myotis |
| Esero    | Bbarb  |
| Plecotus | Pnath  |
| Nlei     | P50    |
| Nnoc     | P40    |
| Rfer     | Ppyg   |
| Rhip     | Ppip   |

**Chart Totals (Representative PPH)**  
 PPH = passes per hour



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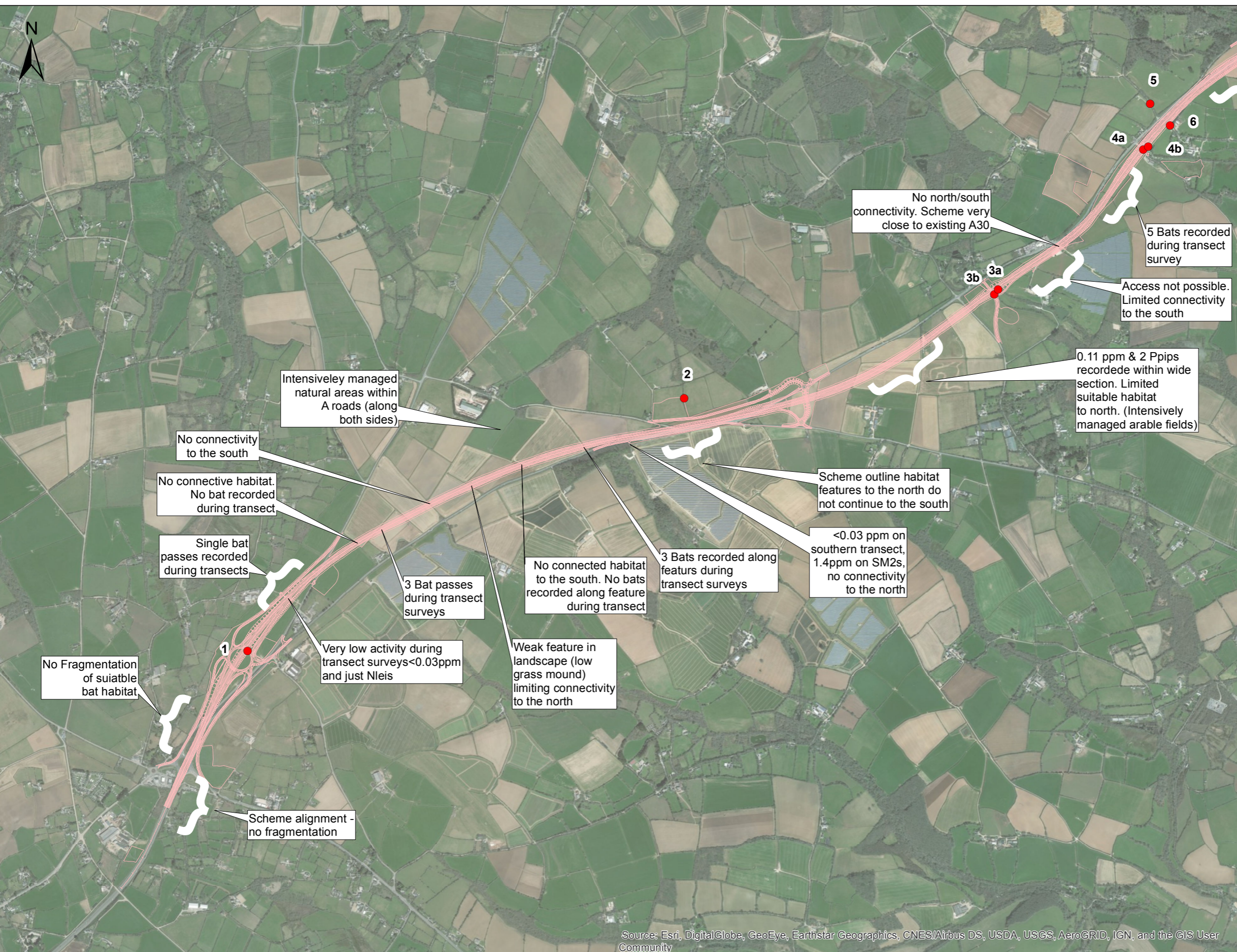
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Title: **STATIC DETECTOR AND CROSSING POINT SURVEY PAGE 6 OF 6**

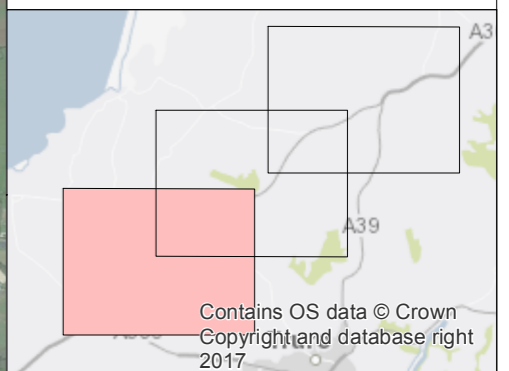
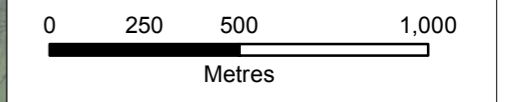
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 Login: DeSouzaJ  
 Plot Date: 14/10/2017



Proposed Scheme  
 Crossing Point



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Project: **A30 CHIVERTON TO CARLAND CROSS**

Title: **COMMENTARY ON AREAS OF HABITAT SCOPED OUT OF THE CROSSING POINT SURVEYS**  
 PAGE 1 OF 3

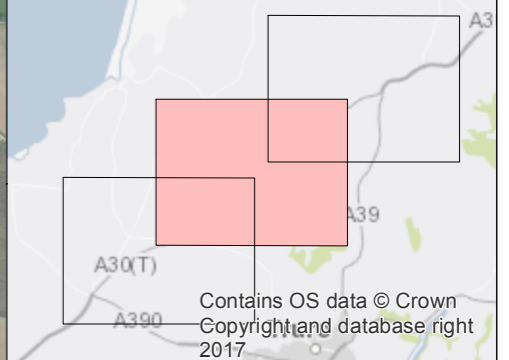
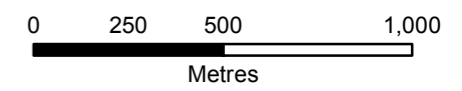
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 Login: DeSouzaJ  
 Plot Date: 14/10/2017



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Project Number: 70004582	Drawing Number: FIGURE 3A
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Metres							
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Designed:	MC	Approved:	UD				
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Project Number:	70004582	Drawing Number:	FIGURE 3A	Revision:			
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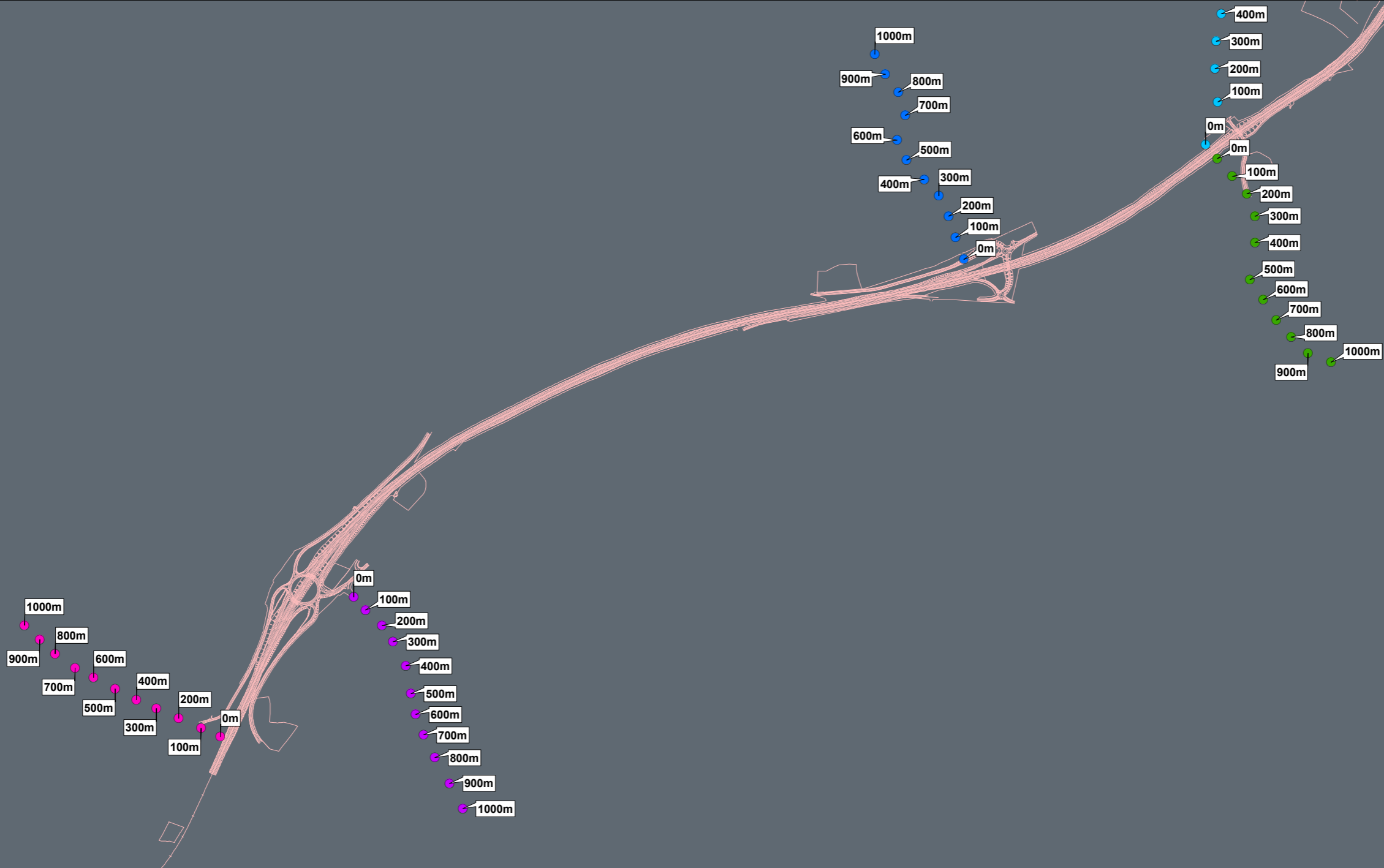
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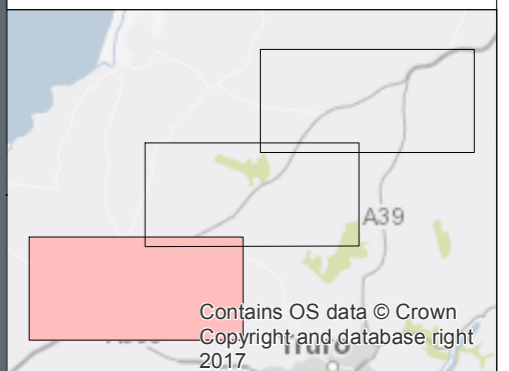
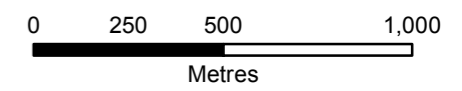
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 PAGE 3 OF 3



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 Login: DeSouzaJ  
 Plot Date: 14/10/2017



- Proposed Scheme
- Transects**
- 1 (Pink dot)
  - 2 (Purple dot)
  - 3 (Blue dot)
  - 4 (Cyan dot)
  - 5 (Green dot)
  - 6 (Yellow dot)
  - 7 (Orange dot)
  - 8 (Red dot)
  - 9 (White dot)
  - 10 (Black dot)




Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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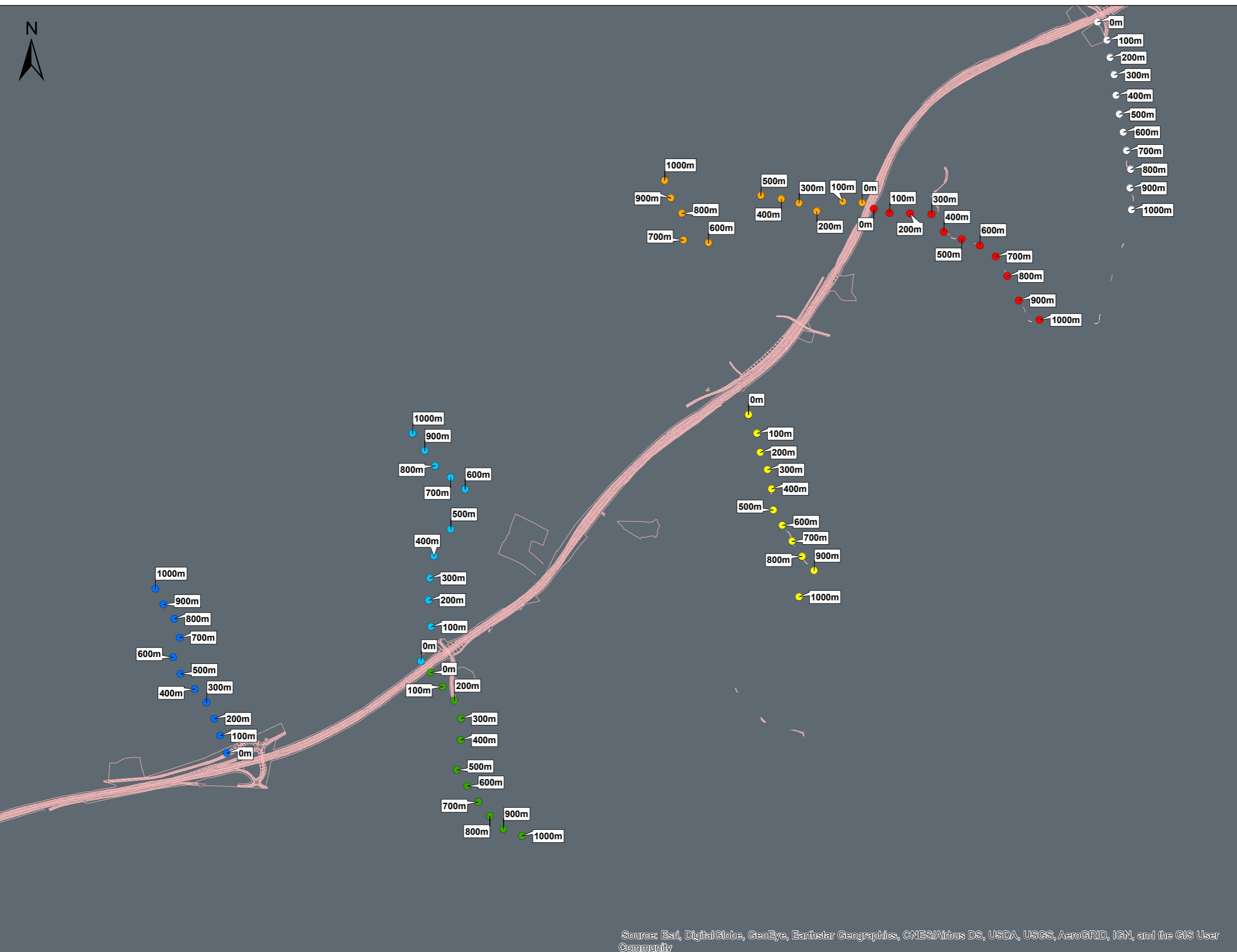

  
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Title:  
**LANDSCAPE SCALE TRANSECT SURVEY**  
 PAGE 1 OF 3

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Project Number: 70004582	Drawing Number: FIGURE 4
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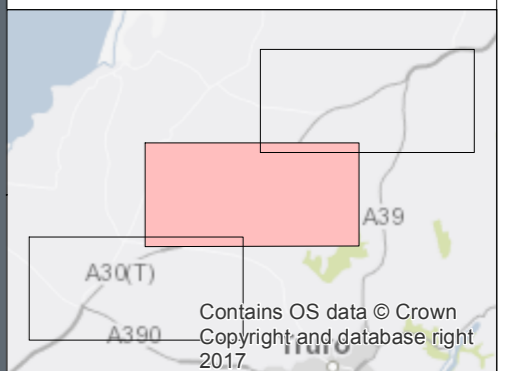
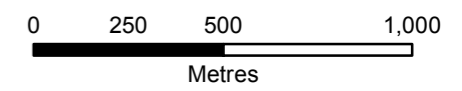
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 Login: DeSouzaJ  
 Plot Date: 14/10/2017



Proposed Scheme

**Transects**

1	6
2	7
3	8
4	9
5	10



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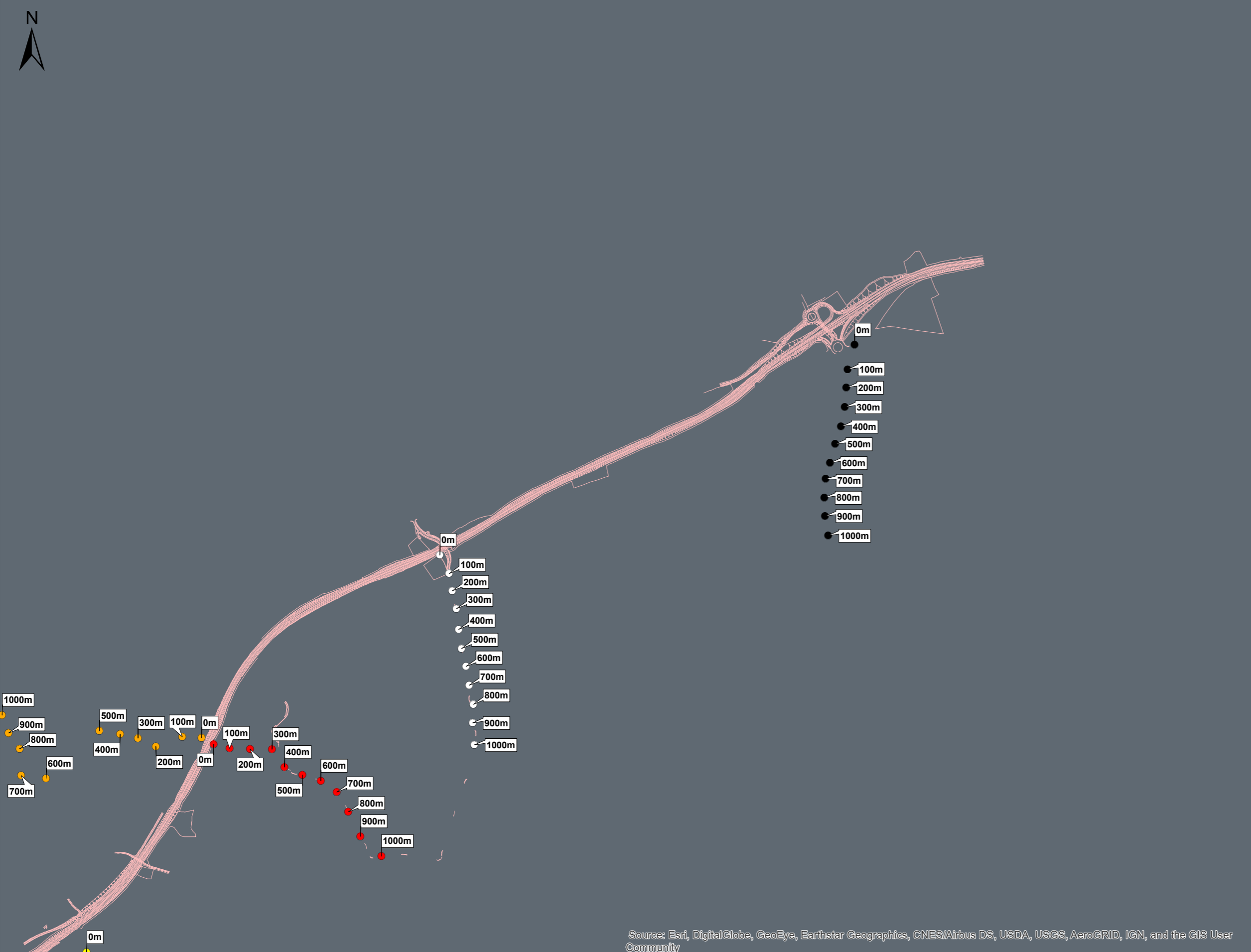
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**LANDSCAPE SCALE  
TRANSECT SURVEY  
PAGE 2 OF 3**

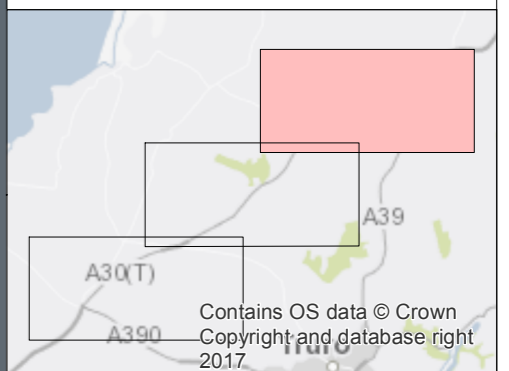
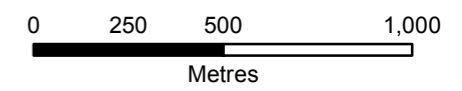
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 Login: DeSouzaJ  
 Plot Date: 14/10/2017



- Proposed Scheme
- Transects**
- 1 (Pink dot)
  - 2 (Purple dot)
  - 3 (Blue dot)
  - 4 (Light Blue dot)
  - 5 (Green dot)
  - 6 (Yellow dot)
  - 7 (Orange dot)
  - 8 (Red dot)
  - 9 (White dot)
  - 10 (Black dot)



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