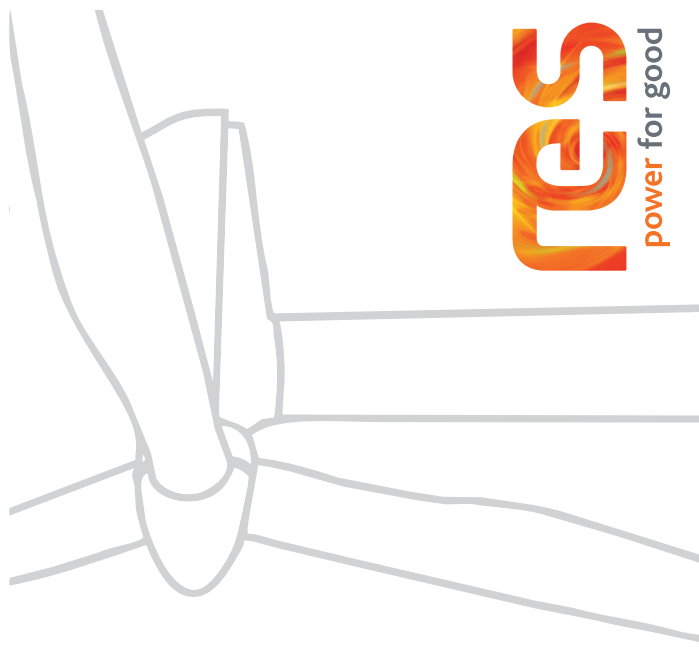


LLANBRYNMAIR WIND FARM

Supplementary Environmental
Information October 2013

Volume IV Supporting Figures



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power for good





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FIGURE 1

SURVEY AREA BOUNDARIES

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:



Indicative site boundary



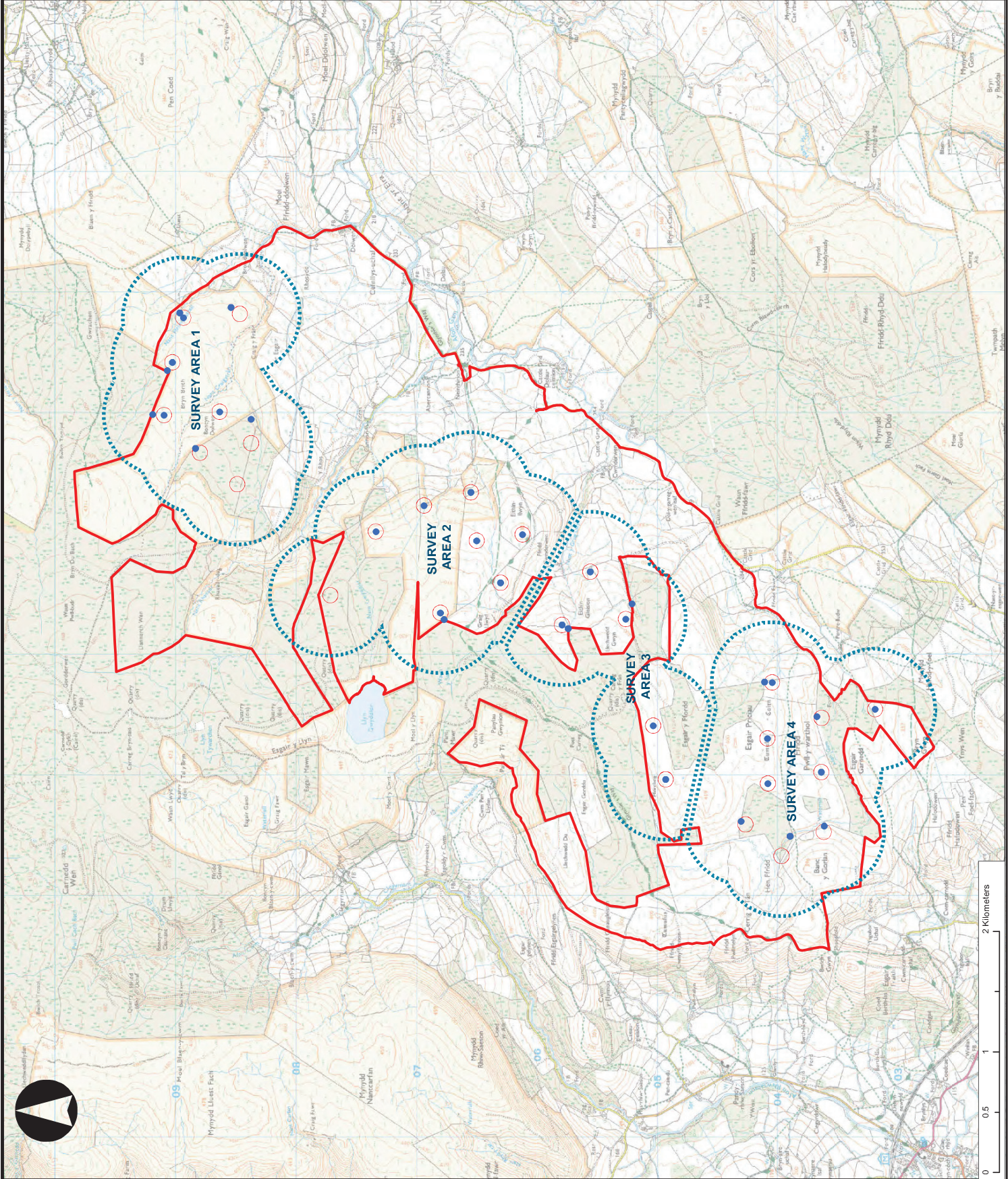
Survey area boundaries 1 to 4
within 200m buffer of turbine envelopes



Proposed turbine locations



Automated survey locations



Unconformable N/A
Conformable N/A

N/A

SCALE - 1:28,000

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FIGURE 2

TRANSECT ROUTES AND LOCATION OF BAT PASSES IN SURVEY AREA 1

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

- ◆ (14) *Myotis* sp.
- ◆ (3) Noctule
- (1) Common/Nathusius' pipistrelle
- (188) Common pipistrelle
- (100) Common/soprano pipistrelle
- (129) Soprano pipistrelle
- May transect route
- June transect route
- July transect route
- August transect route

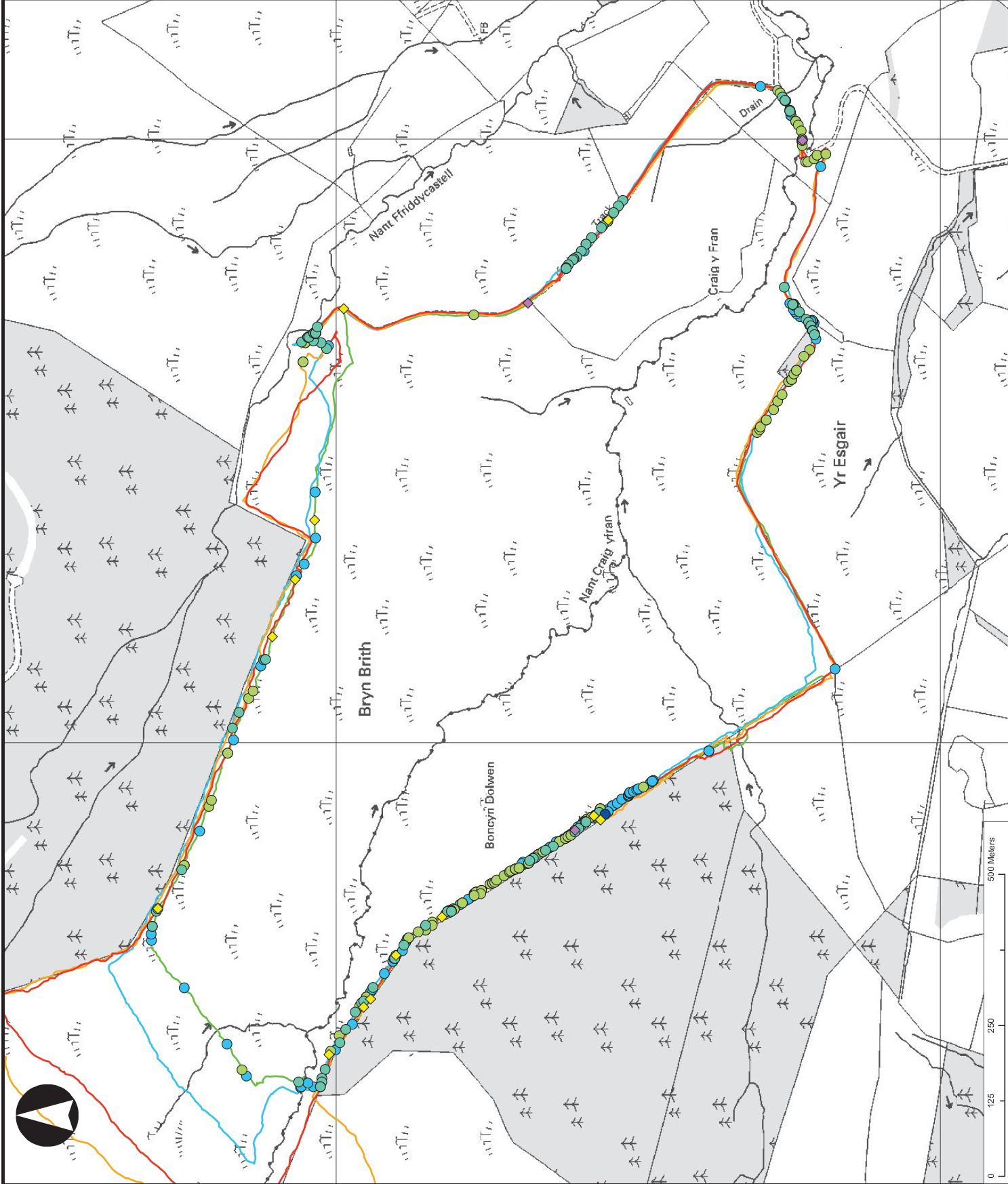
Location: N/A
Contour interval: N/A

N/A

SCALE - 1:6000

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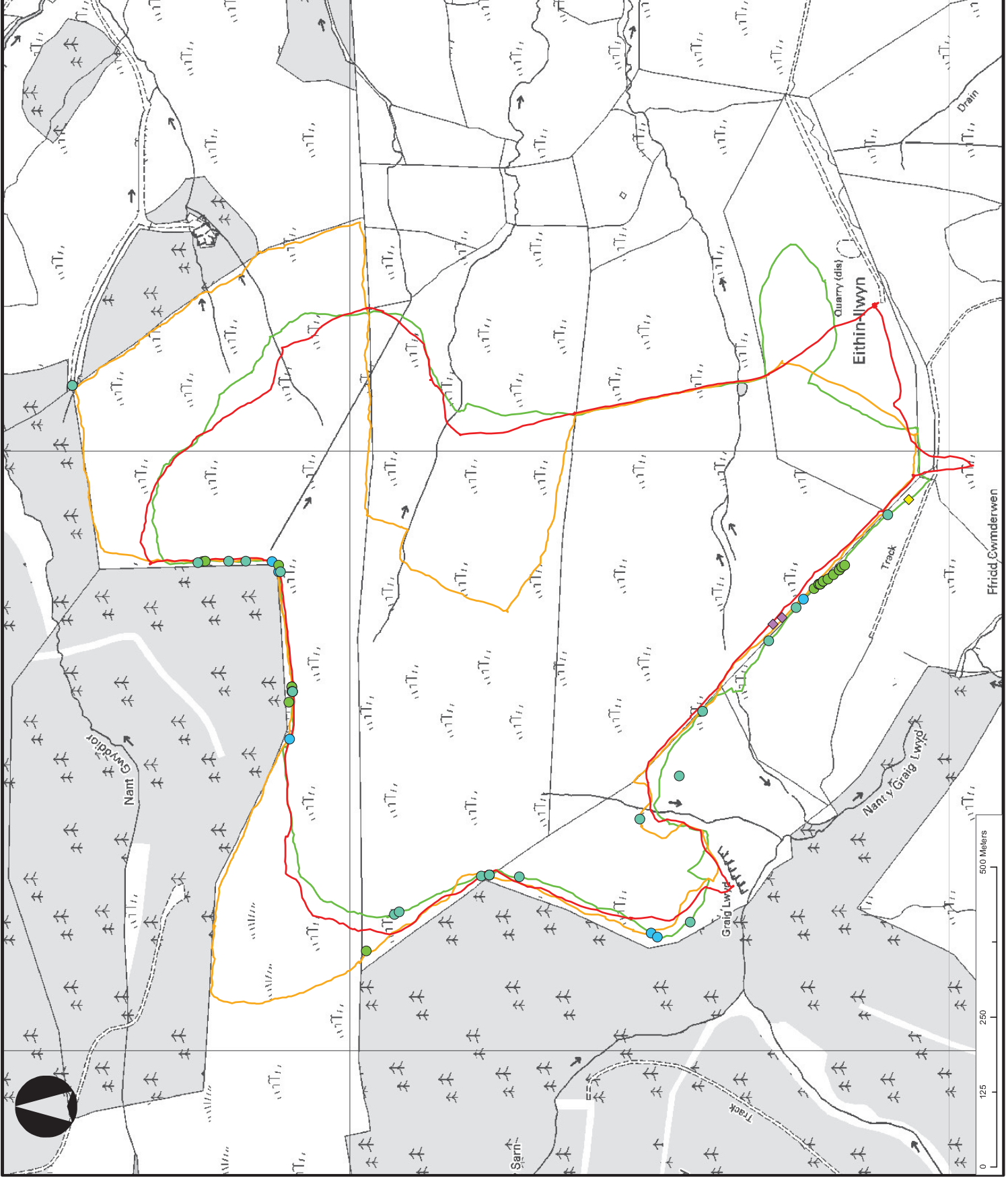
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**FIGURE 3
TRANSECT ROUTES AND
LOCATION OF BAT PASSES
IN SURVEY AREA 2**

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

- ◆ (1) *Myotis* sp.
- ◆ (2) Noctule
- (7) Common pipistrelle
- (20) Common/soprano pipistrelle
- (25) Soprano pipistrelle
- May transect route
- June transect route
- August transect route



Urbanscape N/A
Rural landscape N/A

N/A

SCALE - 1:6000

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**FIGURE 4
TRANSECT ROUTES AND
LOCATION OF BAT PASSES
IN SURVEY AREA 3**

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

- ◆ (3) *Myotis* sp.
- ◆ (1) Noctule
- (21) Common pipistrelle
- (20) Common/soprano pipistrelle
- (12) Soprano pipistrelle
- May transect route
- June transect route
- August transect route

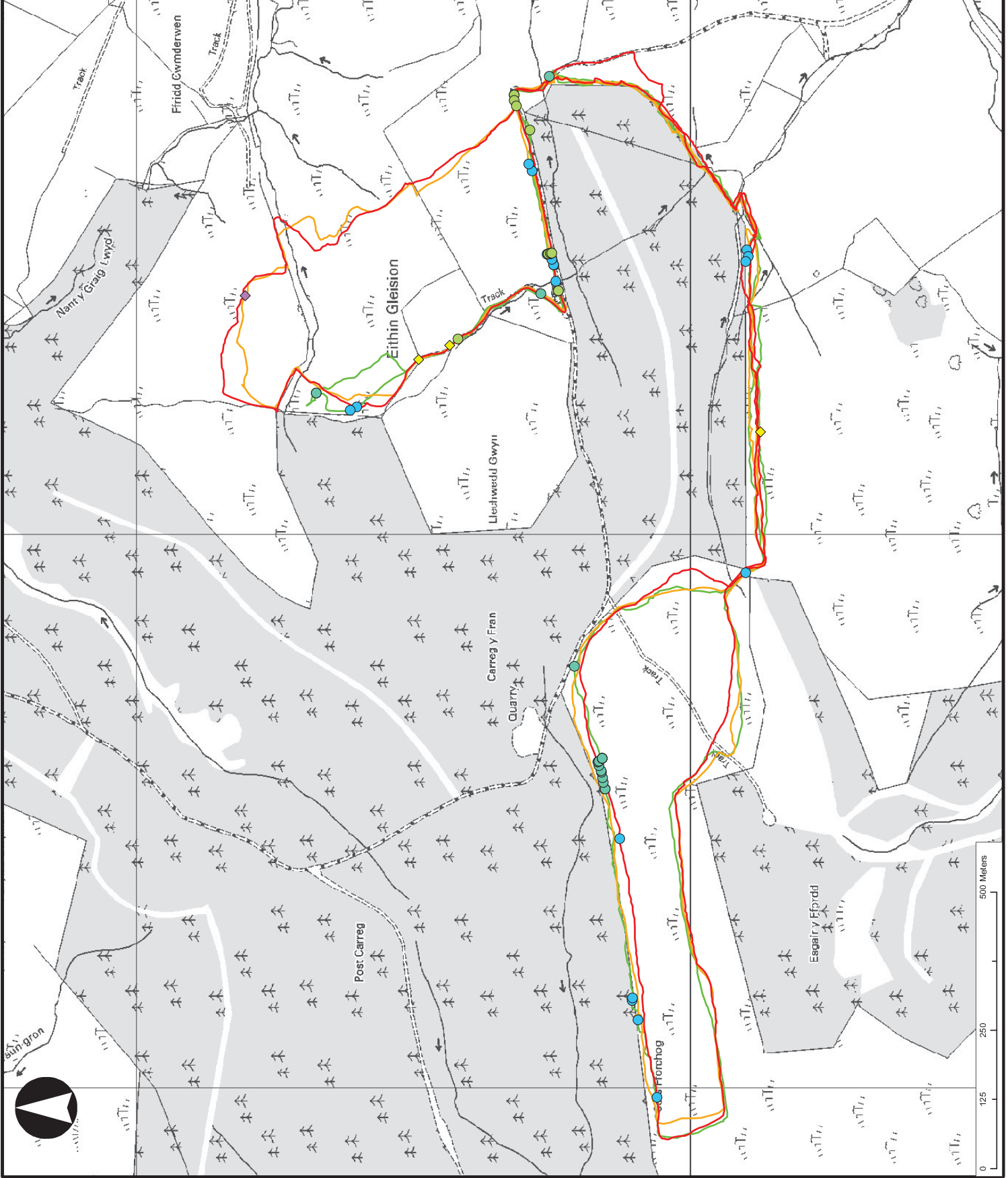
Uppercase: N/A
Lowercase: N/A

N/A

SCALE - 1:6500

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FIGURE 5 TRANSECT ROUTES AND LOCATION OF BAT PASSES IN SURVEY AREA 4

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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KEY:

- ◆ (11) *Myotis* sp.
- ◆ (2) Noctule
- (7) Common/Nathusius' pipistrelle
- (59) Common pipistrelle
- (45) Common/soprano pipistrelle
- (56) Soprano pipistrelle
- May transect route
- June transect route

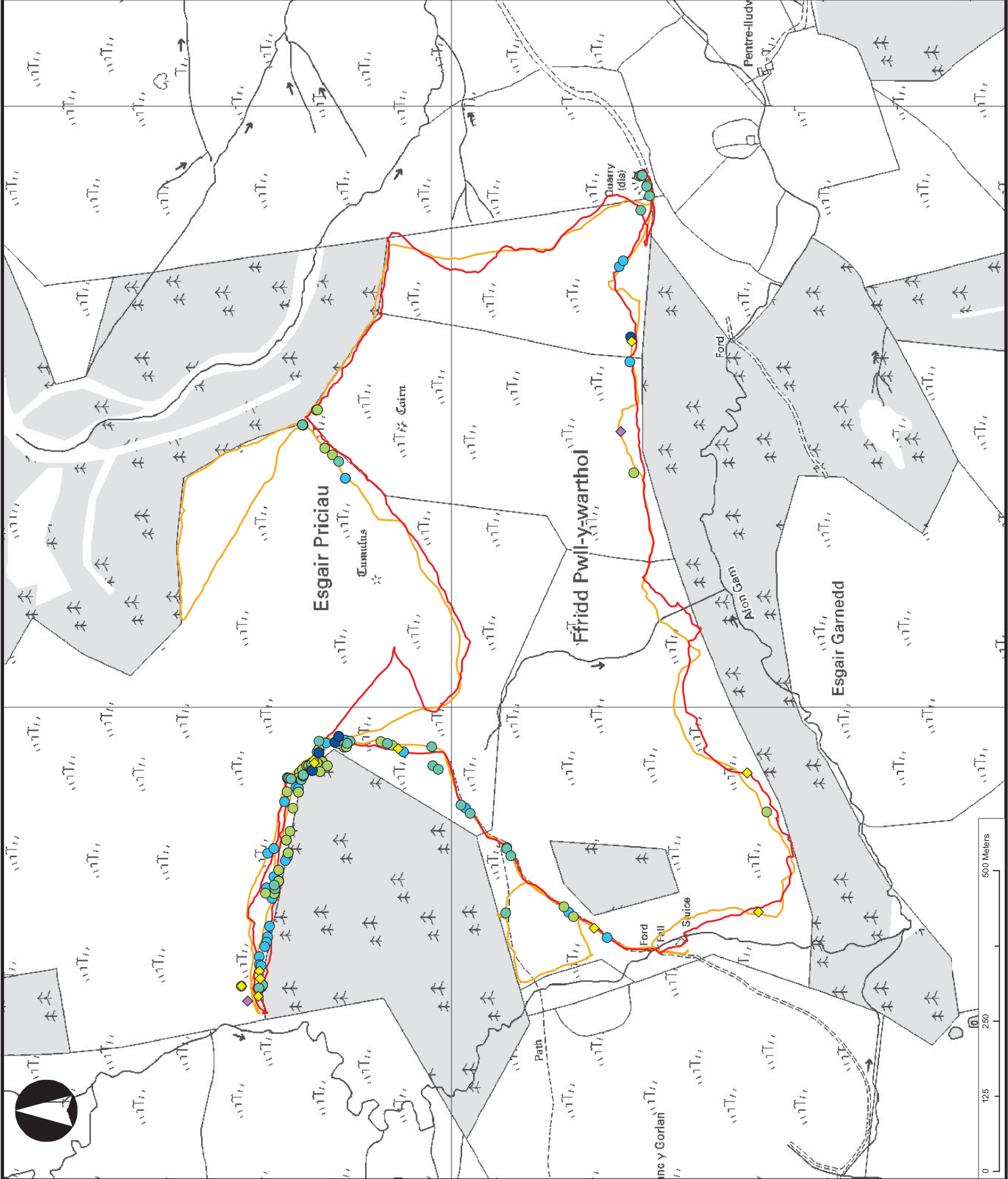
Urbanscwm N/A
Countryside N/A

Scale: N/A

SCALE - 1:6000

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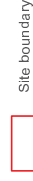


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FIGURE 6 PROPORTION OF BAT ACTIVITY (BY SPECIES) AT AUTOMATED SURVEY LOCATIONS IN 2013

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:



Site boundary



Relative activity (b/h)
at automated locations



Myotis sp.



Noctule

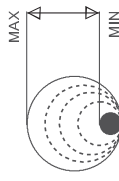


Common pipistrelle



Soprano pipistrelle

Circle size proportional to B/h



Location: N/A

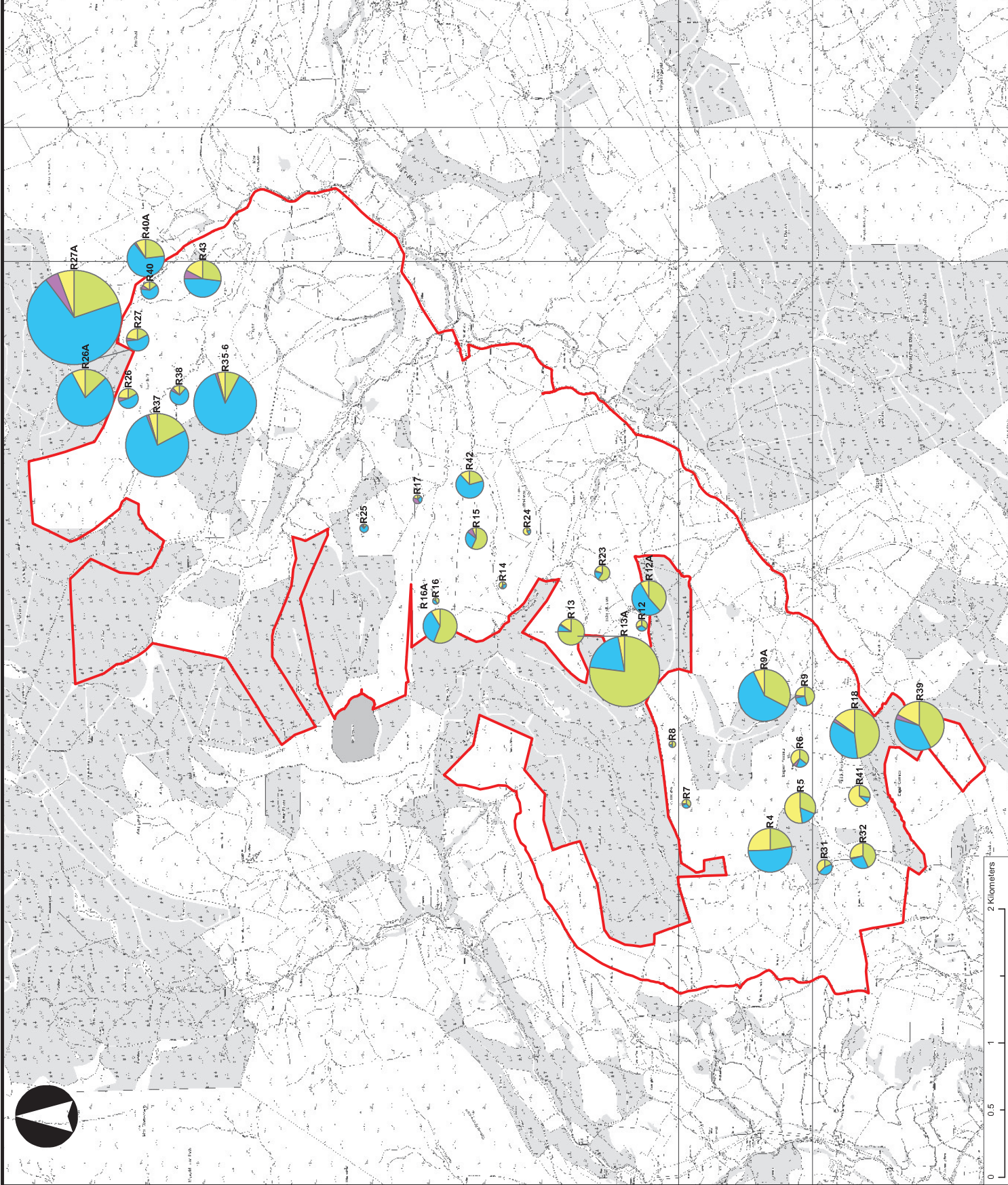
Reference: N/A

N/A

SCALE - 1:27,000

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FIGURE 7

NOCTULE ACTIVITY (B/h) AT AUTOMATED SURVEY LOCATIONS IN 2013

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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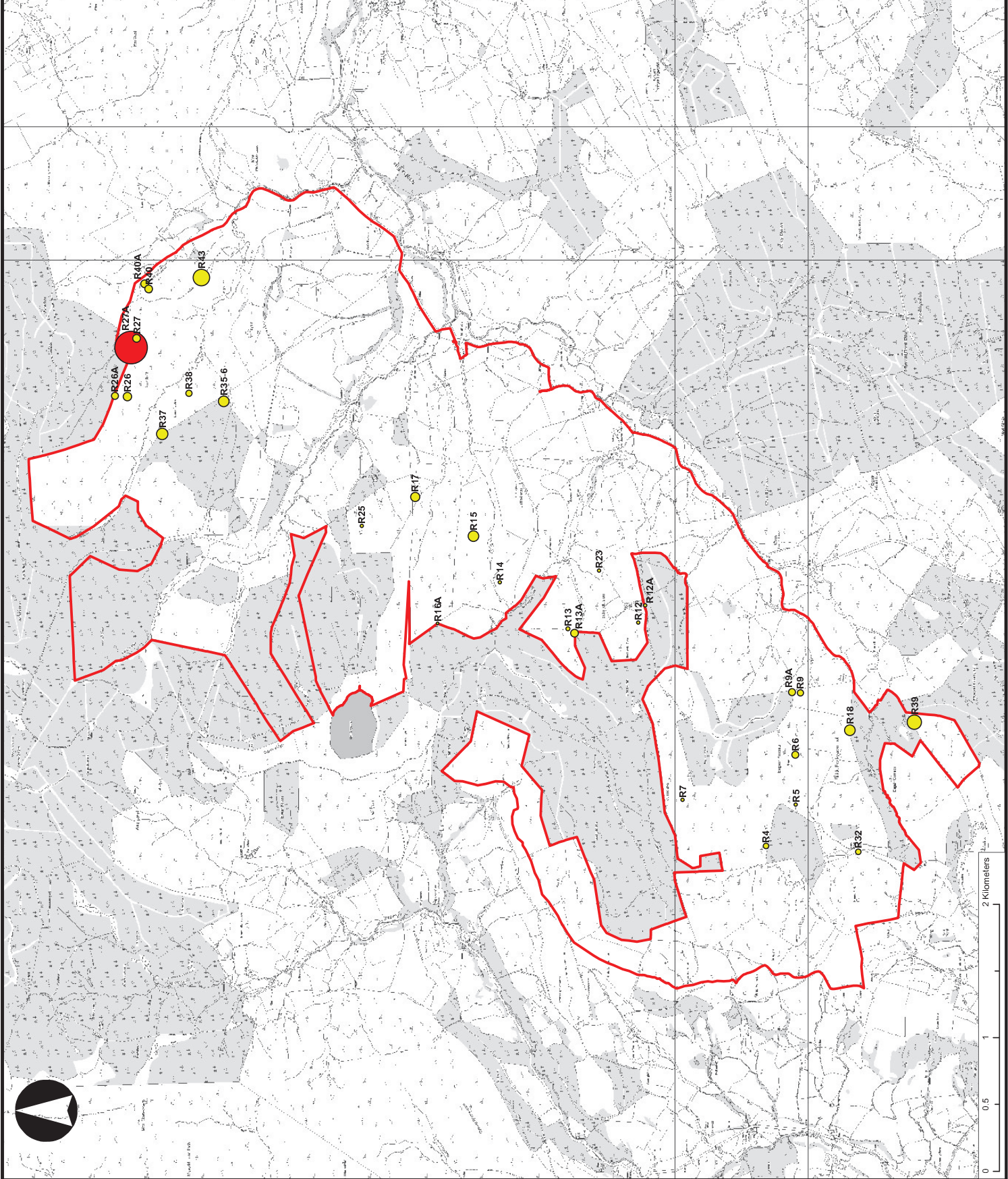
KEY:

- Site boundary
- 0.00 - 0.50 B/h
- 0.51 - 1.00 B/h
- 1.01 - 1.50 B/h
- 1.51 - 2.00 B/h

Circle size proportional to B/h

MAX
MIN

Static ID	Activity (B/h)
R12	0.02
R12A	0.02
R13	0.03
R13A	0.10
R14	0.02
R15	0.17
R16A	0.01
R17	0.13
R18	0.18
R23	0.02
R26	0.11
R26A	0.08
R27	0.09
R27A	1.68
R28	0.05
R28-6	0.19
R27	0.20
R28	0.07
R29	0.31
R1	0.05
R10	0.09
R10A	0.09
R13	0.44
R5	0.02
R6	0.08
R7	0.02
R8	0.07
R9A	0.08



Location: N/A

Coordinates: N/A

N/A

SCALE - 1:27,000

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FIGURE 8 COMMON PIPISTRELLE ACTIVITY (B/h) AT AUTOMATED SURVEY LOCATIONS IN 2013

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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KEY:

- Site boundary
- 0.00 - 5.00 B/h
- 5.01 - 10.00 B/h
- 10.01 - 15.00 B/h
- 15.01 - 20.00 B/h
- 20+ B/h

Circle size proportional to B/h
MAX
MIN

Static ID	Activity (B/h)
R12	0.16
R12A	2.59
R13	0.24
R13A	4.08
R14	0.06
R15	0.55
R16	0.07
R16A	1.69
R17	0.09
R18	3.56
R23	0.18
R24	0.05
R25	0.23
R26	0.66
R26A	10.45
R27	1.17
R27A	25.74
R31	0.43
R32	0.73
R35-6	14.21
R37	12.61
R38	1.06
R39	3.70
R4	4.16
R40	0.77
R40A	3.82
R41	0.18
R42	2.12
R43	2.72
R5	0.67
R6	0.27
R7	0.10
R8	0.04
R9	0.38
R9A	6.73

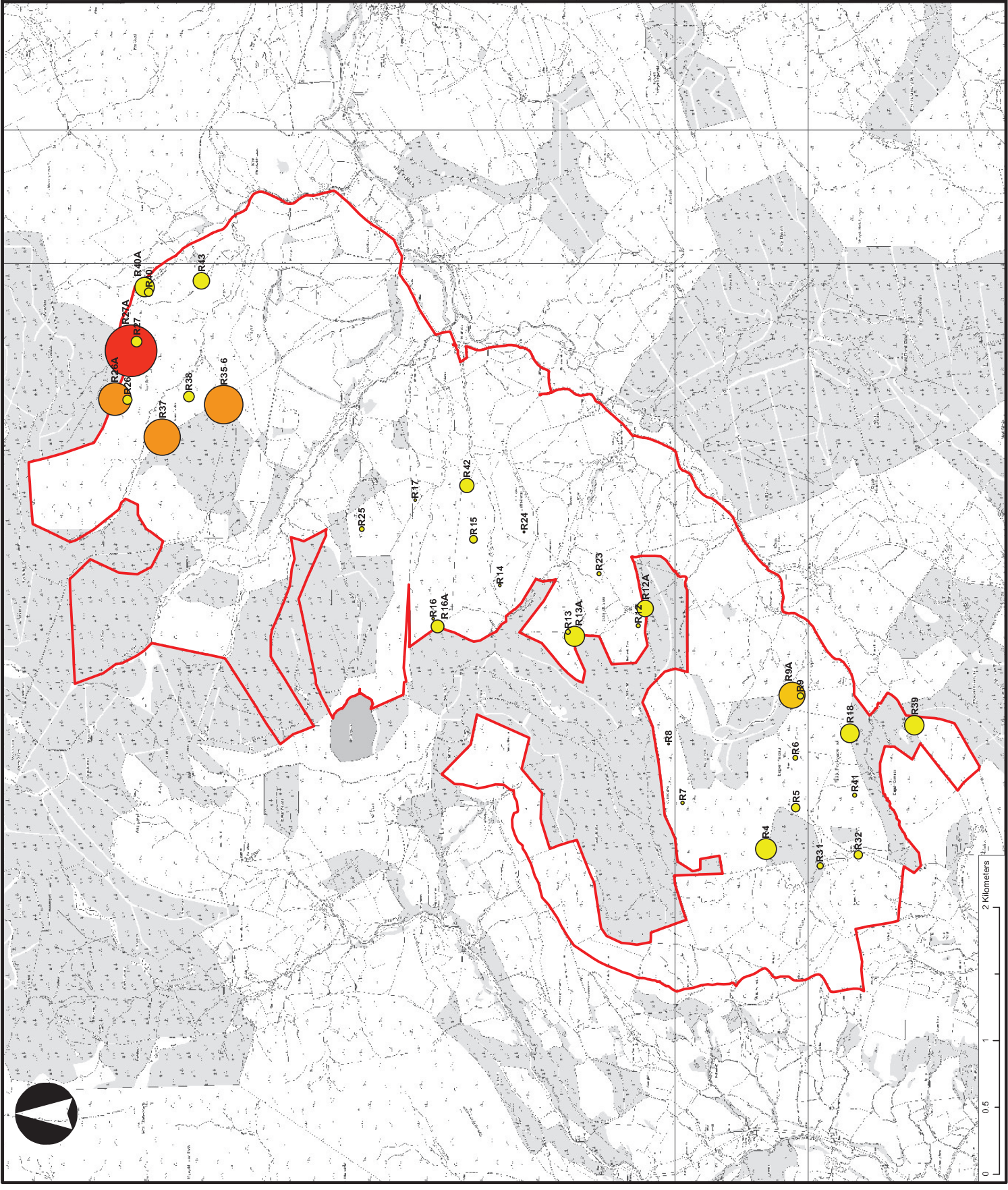
Unconformity: N/A
Groundwater: N/A
Transmissivity: N/A

N/A

SCALE - 1:27,000

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**FIGURE 9
SOPRANO PIPISTRELLE
ACTIVITY (B/h)
AT AUTOMATED
SURVEY LOCATIONS IN 2013**

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

- Site boundary
- 0.00 - 5.00 B/h
- 5.01 - 10.00 B/h
- 10.01 - 15.00 B/h
- 15+ B/h

Circle size proportional to B/h

MAX
MIN

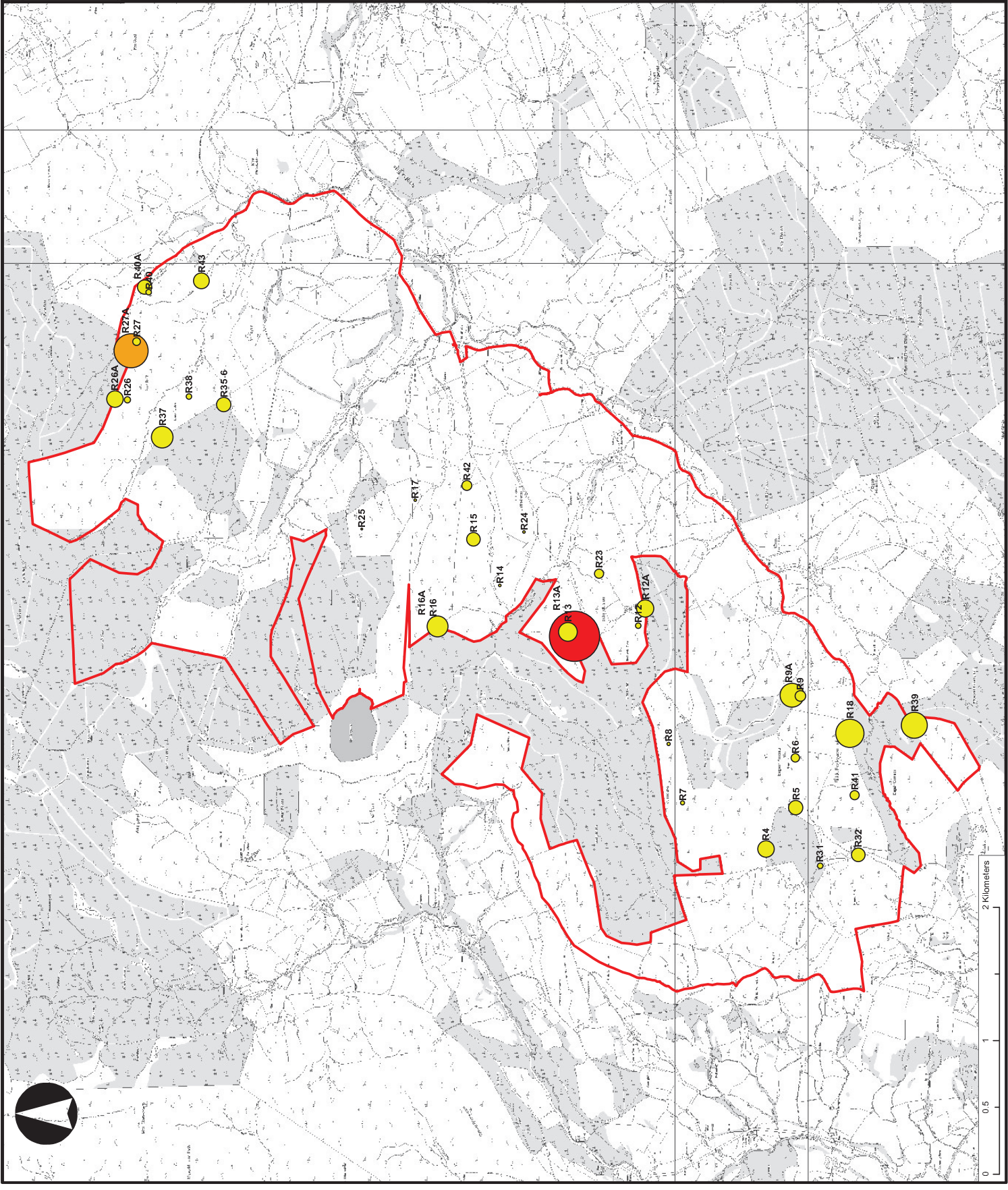
Static ID	Activity (B/h)
R12	0.18
R12A	1.87
R13	2.21
R13A	15.64
R14	0.04
R15	1.11
R16	0.07
R16A	2.66
R17	0.04
R18	4.88
R23	0.56
R24	0.04
R25	0.03
R26	0.27
R26A	1.69
R27	0.37
R27A	7.30
R31	0.16
R32	1.15
R32-5	1.26
R37	2.90
R38	0.18
R39	4.23
R4	1.75
R40	0.18
R41	0.52
R42	0.65
R43	1.52
R5	1.24
R6	0.46
R7	0.12
R8	0.06
R9	0.70
R9A	3.62

Unknown: N/A
Coordinates: N/A

SCALE - 1:27,000

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FIGURE 10

MYOTIS SP. ACTIVITY (B/h) AT AUTOMATED SURVEY LOCATIONS IN 2013

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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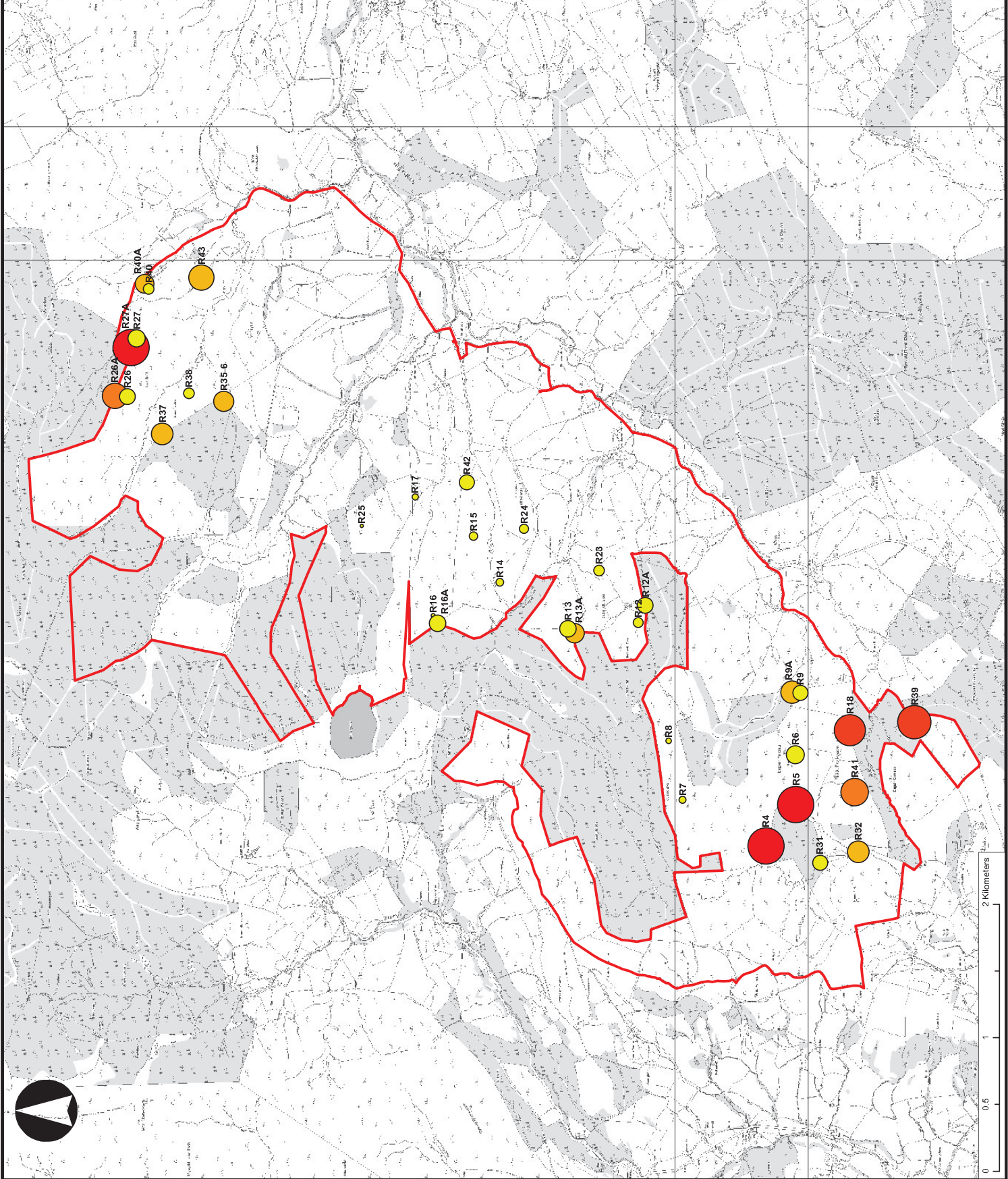
KEY:

- Site boundary
- 0.00 - 0.50 B/h
- 0.51 - 1.00 B/h
- 1.01 - 1.50 B/h
- 1.51 - 2.00 B/h
- 2.01 - 2.50 B/h

Circle size proportional to B/h

MAX
MIN

Static ID	Activity (B/h)
R12	0.15
R12A	0.40
R13	0.44
R13A	0.61
R14	0.08
R15	0.12
R16	0.03
R16A	0.42
R17	0.08
R18	1.51
R23	0.13
R24	0.13
R25	0.02
R26	0.38
R26A	1.01
R27	0.47
R27A	2.08
R31	0.36
R32	0.74
R35-6	0.65
R37	0.74
R38	0.18
R39	1.74
R4	2.02
R40	0.19
R40A	0.53
R41	1.20
R42	0.37
R43	0.98
R5	2.08
R6	0.49
R7	0.08
R8	0.05
R9	0.36
R9A	0.78



Unknown: N/A
Coordinates: N/A

Scale: N/A

SCALE - 1:27,000

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FIGURE 11

DRIVEN TRANSECT ROUTE AND STOPPING POINTS

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

— Driven transect route

○ Transect stopping points

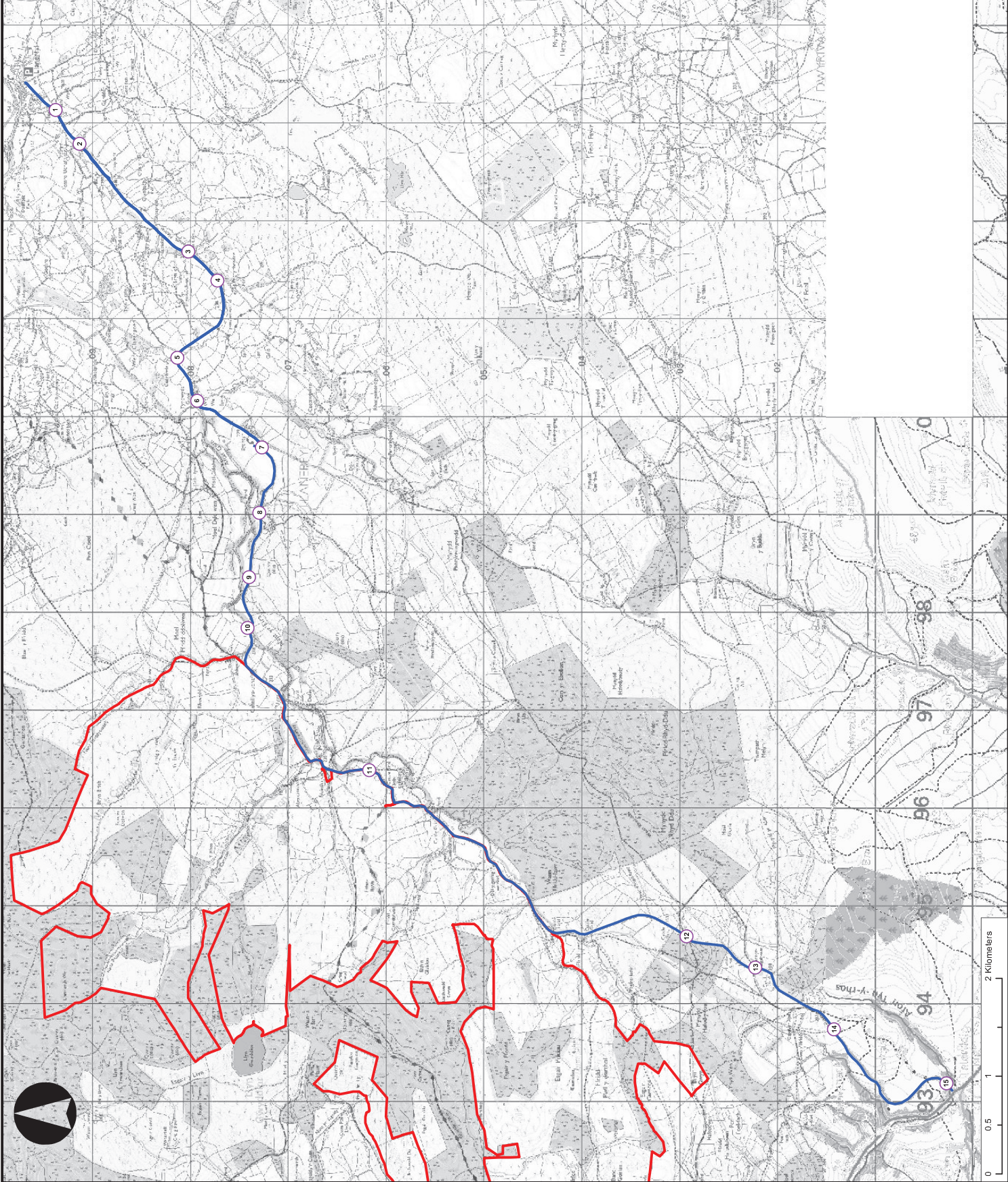
Location: N/A
Contour interval: N/A

N/A

SCALE - 1:37,000

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FIGURE 12

DRIVEN TRANSECT 1 LOCATIONS OF BAT PASSES 22/05/2013

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

- (2) Common pipistrelle
- (2) Common/soprano pipistrelle
- (2) Soprano pipistrelle

UNCLASSIFIED N/A

CLASSIFICATION

UNCLASSIFIED N/A

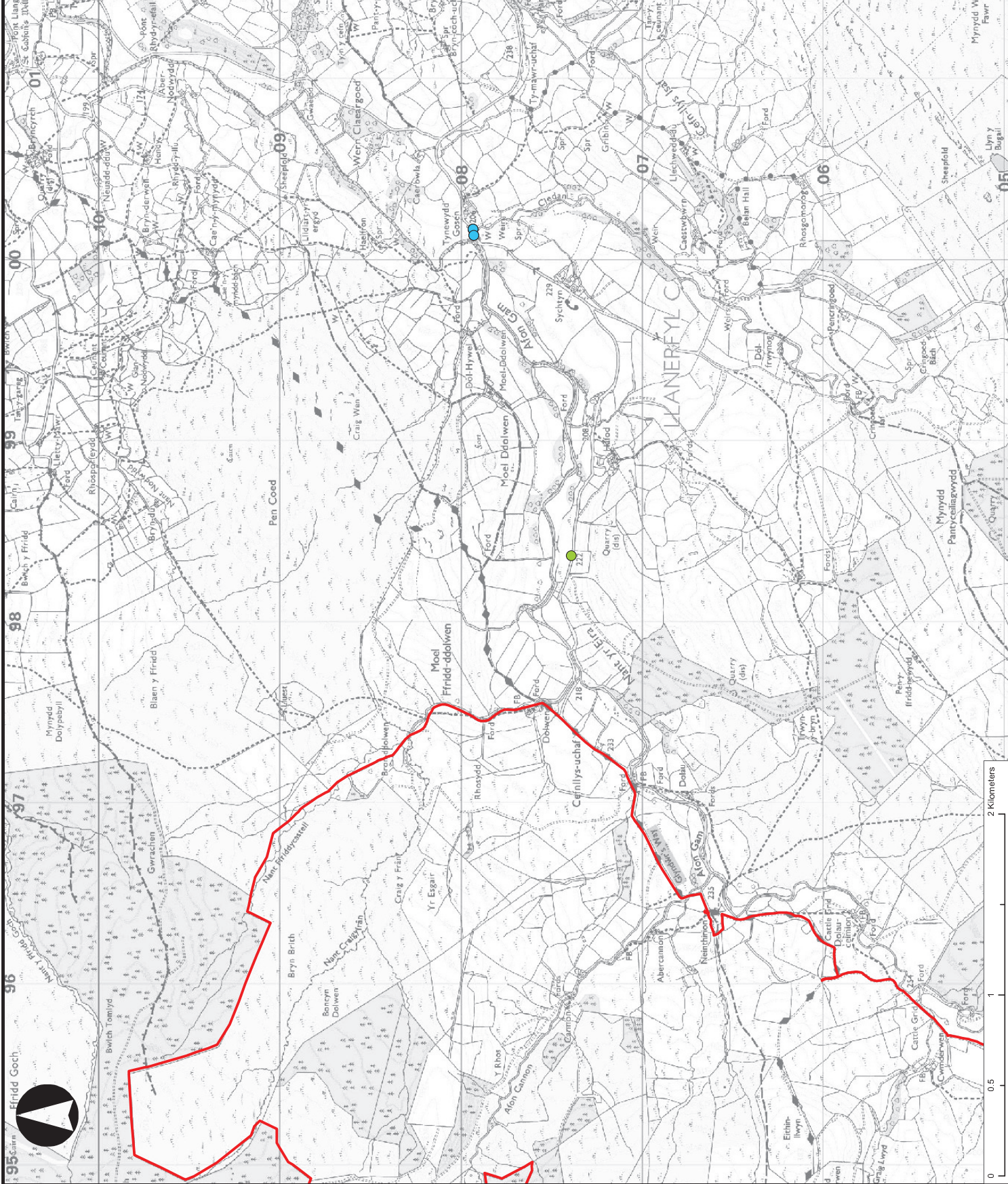
CLASSIFICATION

N/A

SCALE - 1:20,000

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FIGURE 13

DRIVEN TRANSECT 2 LOCATIONS OF BAT PASSES 10/07/2013

REPRODUCED FROM ORDNANCE SURVEY DIGITAL MAP DATA
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NUMBER 0100031673

KEY:

- ◆ (4) *Myotis* sp.
- ◆ (0) Noctule
- (1) Common/Nathusius' pipistrelle
- (52) Common pipistrelle
- (60) Common/soprano pipistrelle
- (62) Soprano pipistrelle

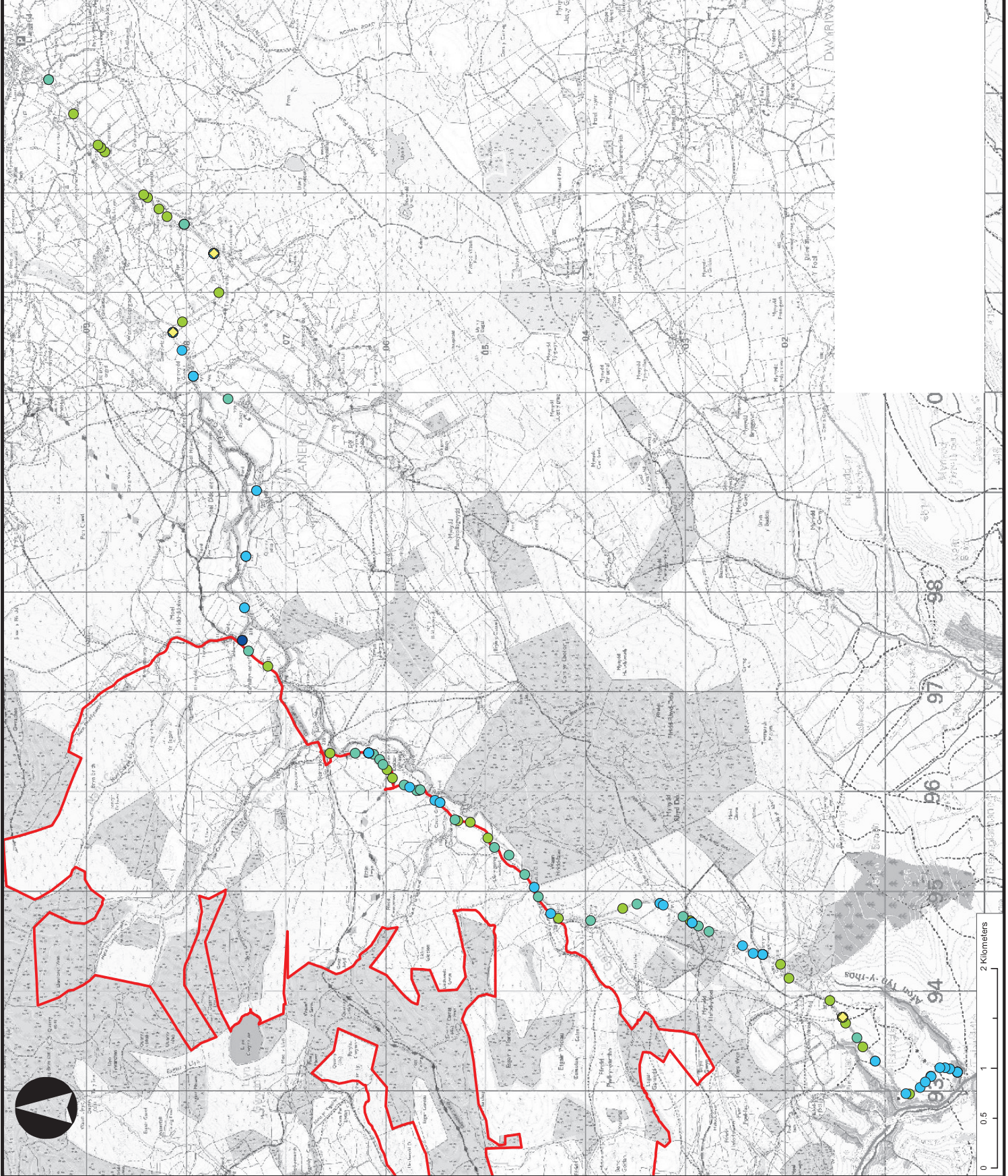
Location: N/A
Scale: N/A

N/A

SCALE - 1:20,000

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FIGURE 14

DRIVEN TRANSECT 3 LOCATIONS OF BAT PASSES 06/08/2013

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KEY:

- ◆ (2) *Myotis* sp.
- ◆ (1) Noctule
- (45) Common pipistrelle
- (31) Common/soprano pipistrelle
- (111) Soprano pipistrelle

Location: N/A
Contour interval: N/A

N/A

SCALE - 1:20,000

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