

Chapter 5

Figure 5.1 Heritage Assets Map

Figure 5.2 Heritage and Designated Asset Areas

Figure 5.3 Heritage and Designated Asset Areas

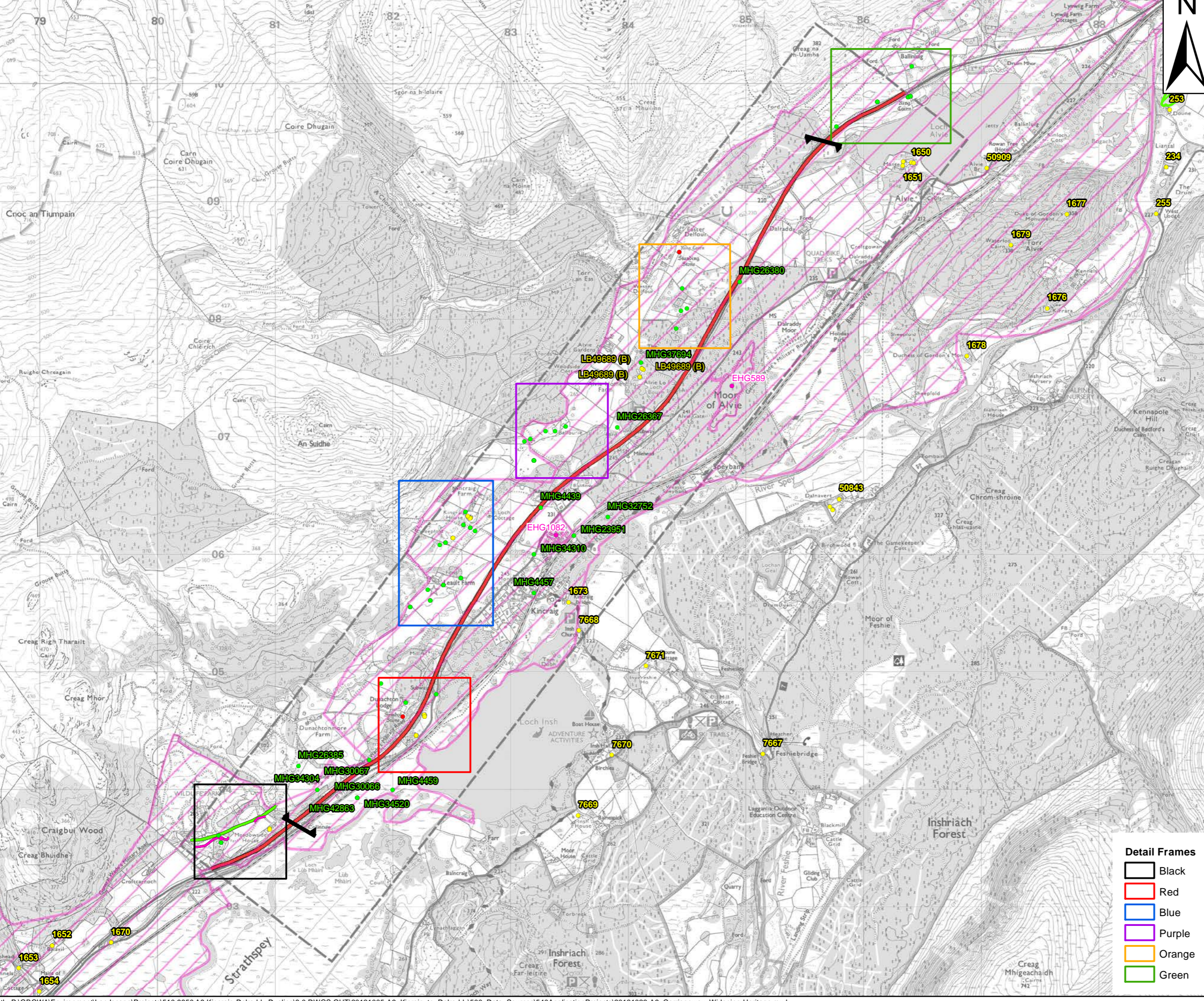
Figure 5.4 Heritage and Designated Asset Areas

Figure 5.5 Heritage and Designated Asset Areas

Figure 5.6 Heritage and Designated Asset Areas

Figure 5.7 Heritage and Designated Asset Areas





LEGEND

▲ Northern / Southern Extent of Scheme

- Existing A9
- Linear Archaeological Event
- Linear Monument
- Archaeological Event
- Listed Buildings
- Monuments
- Scheduled Ancient Monuments
- ▭ Monument Area
- ▭ Archaeological Event Area
- ▭ Study Area

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

0.2 0 0.2 0.4 0.6 0.8 1 Kilometres

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A9 DUALLING
PERTH TO INVERNESS
Kincairdie to Dalraddy

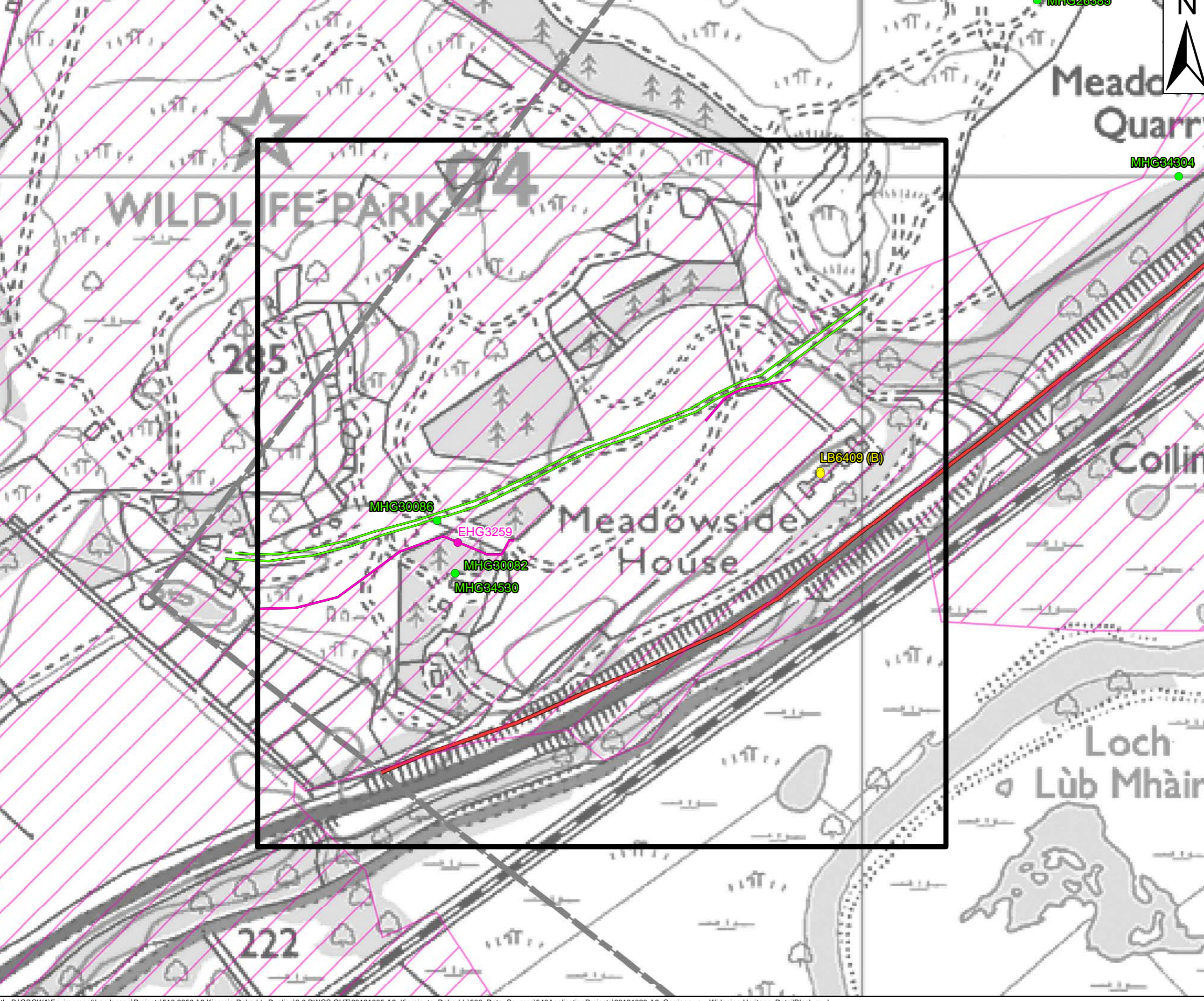
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FIGURE 5.1
HERITAGE AND DESIGNATED ASSETS

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	Date 23/10/13	Date 23/10/13	Date 23/10/13	
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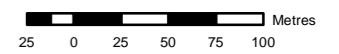
Detail Frames

- ▭ Black
- ▭ Red
- ▭ Blue
- ▭ Purple
- ▭ Orange
- ▭ Green



- LEGEND**
- Existing A9
 - Linear Archaeological Event
 - Linear Monument
 - Archaeological Event
 - Listed Buildings
 - Monuments
 - Archaeological Event Area
 - Study Area

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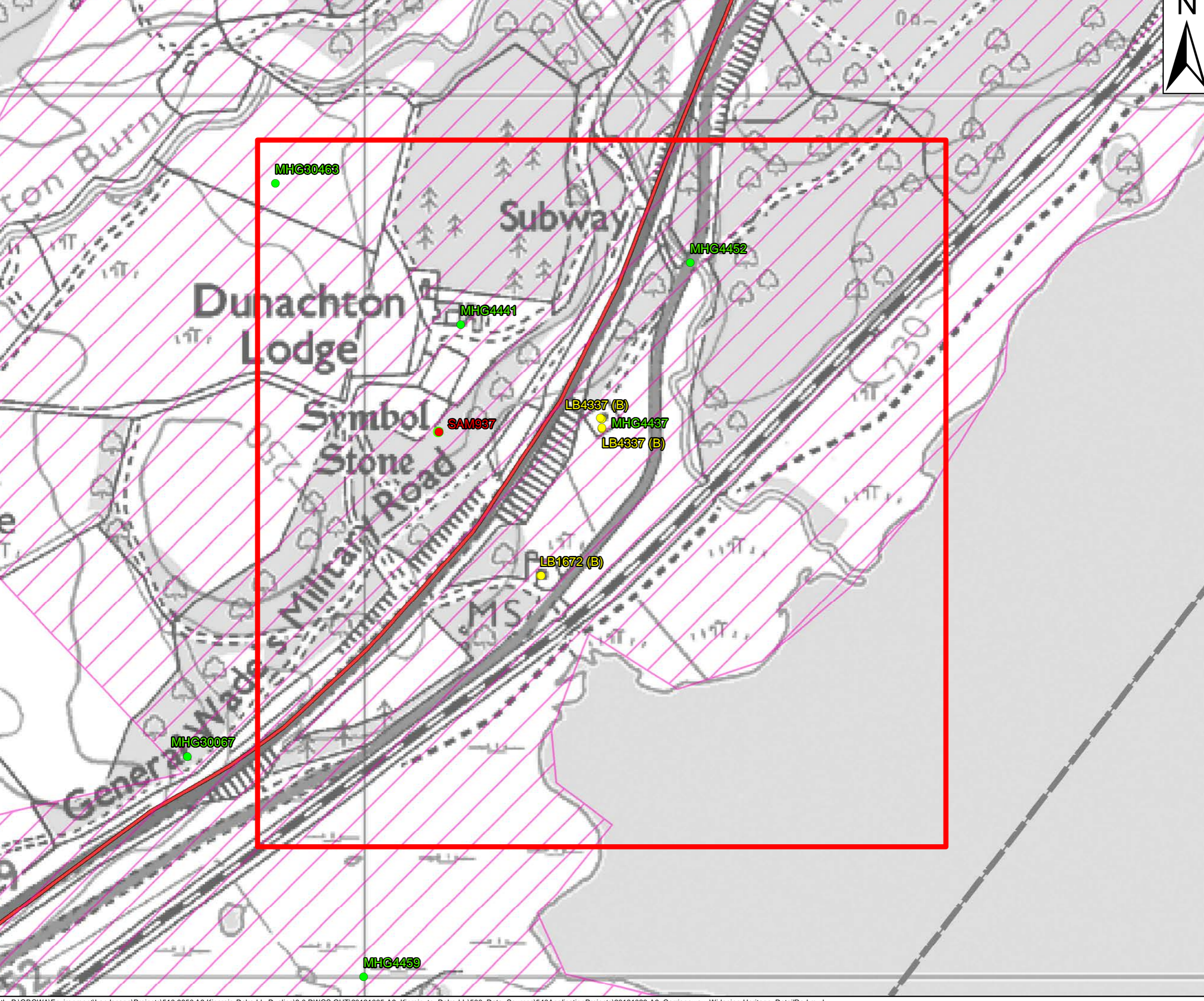


Title

**FIGURE 5.2
 HERITAGE AND DESIGNATED ASSETS
 DETAIL AREA - BLACK**

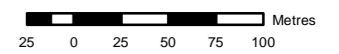
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- LEGEND**
- Existing A9
 - ▨ Linear Archaeological Event
 - ▨ Linear Monument
 - Listed Buildings
 - Monuments
 - Scheduled Ancient Monuments
 - ▨ Monument Area
 - ▨ Archaeological Event Area
 - Study Area

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



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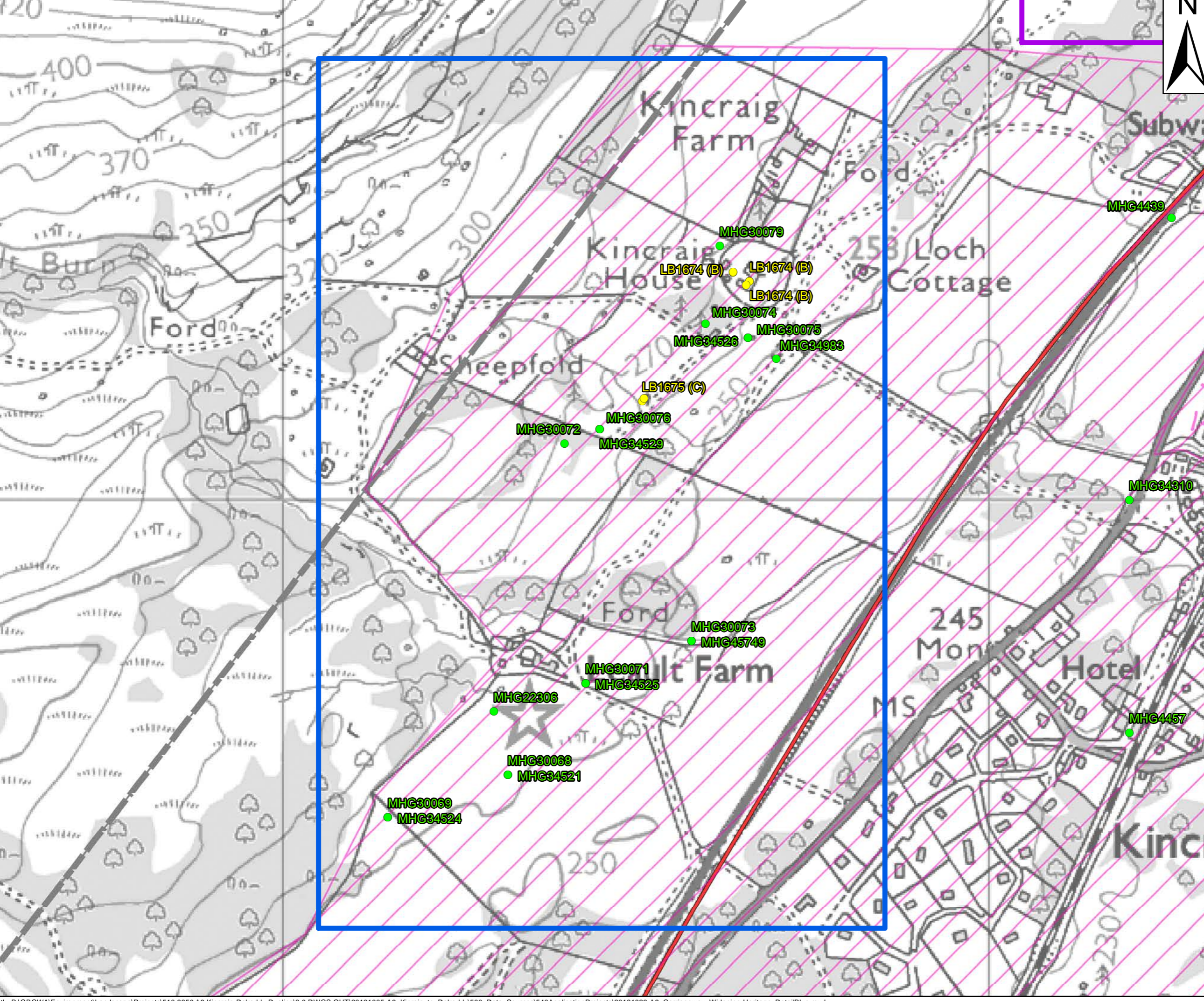
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 PERTH TO INVERNESS
Kincraig to Dalraddy

Title

**FIGURE 5.3
 HERITAGE AND DESIGNATED ASSETS
 DETAIL AREA - RED**

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- LEGEND**
- Existing A9
 - ▨ Linear Archaeological Event
 - Linear Monument
 - Listed Buildings
 - Monuments
 - ▨ Archaeological Event Area
 - Study Area

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

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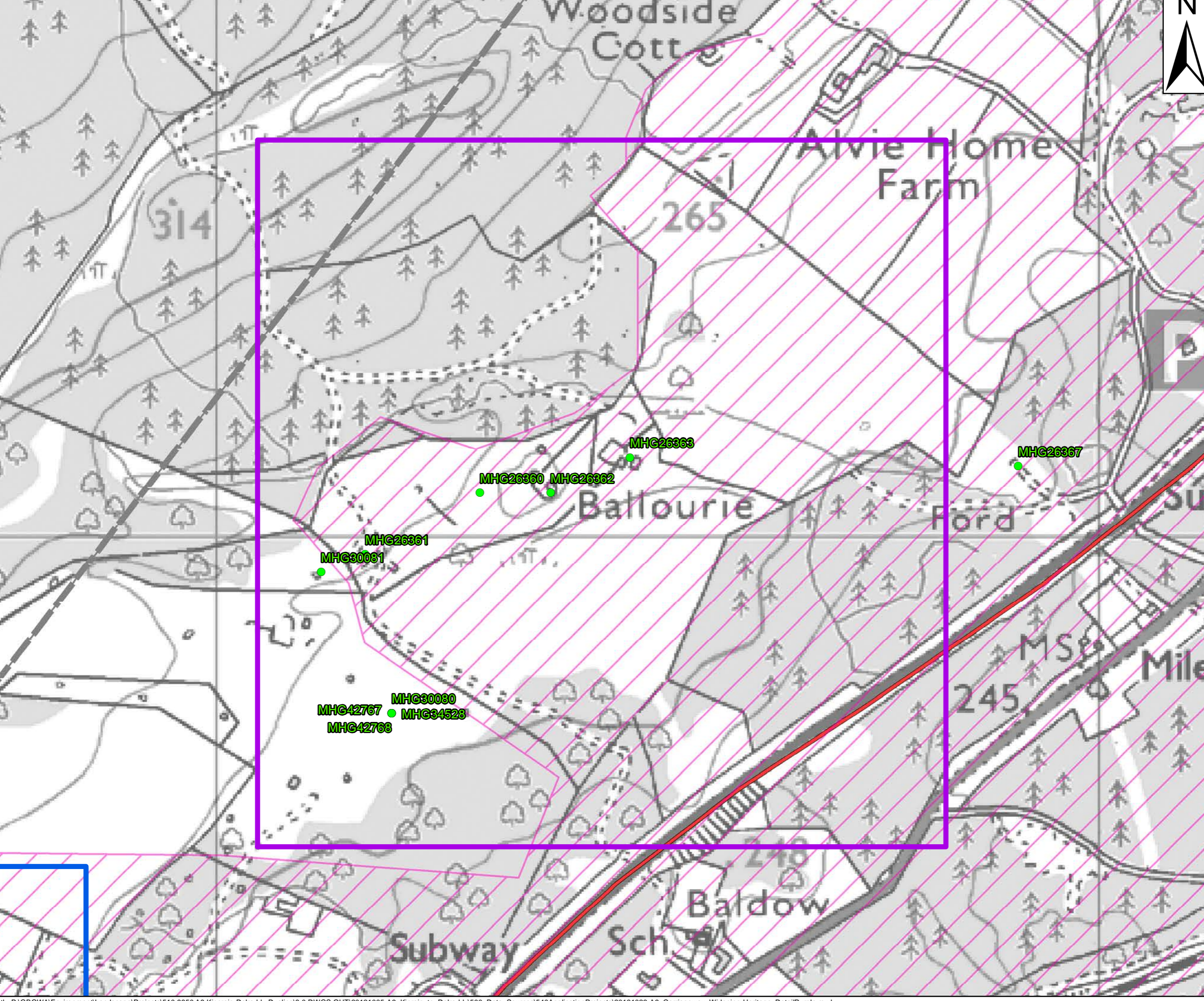
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 PERTH TO INVERNESS
 Kincairdie to Dalraddy

**FIGURE 5.4
 HERITAGE AND DESIGNATED ASSETS
 DETAIL AREA - BLUE**

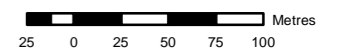
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Drawing Number 5109850_HER_001	Rev 02			



LEGEND

- Existing A9
- Linear Archaeological Event
- Linear Monument
- Listed Buildings
- Monuments
- Archaeological Event Area
- Study Area

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



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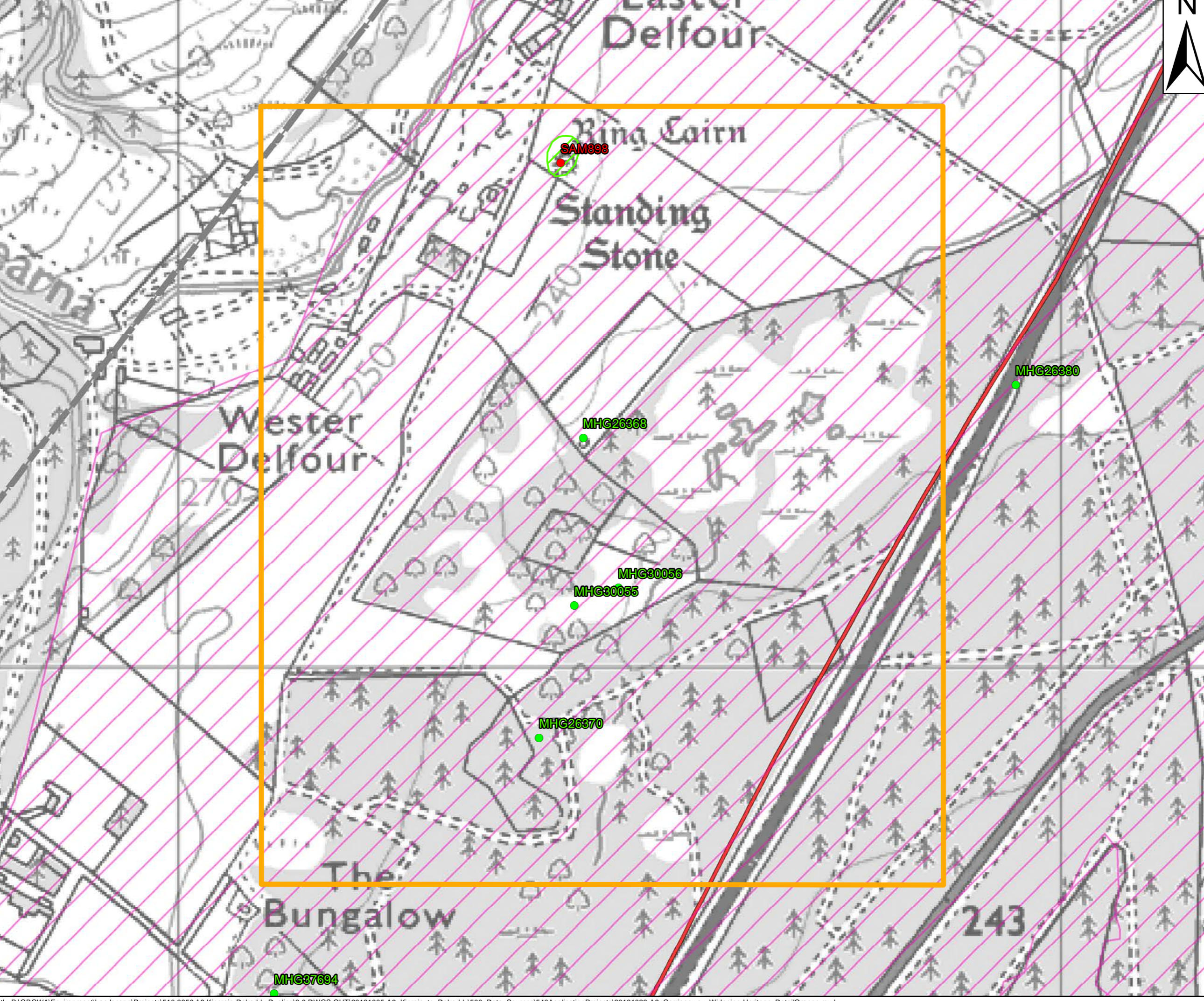


Title

**FIGURE 5.5
HERITAGE AND DESIGNATED ASSETS
DETAIL AREA - PURPLE**

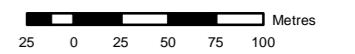
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		Date 23/10/13	Date 23/10/13	Date 23/10/13

Drawing Number 5109850_HER_001 Rev 02



- LEGEND**
- Existing A9
 - Linear Archaeological Event
 - Linear Monument
 - Monuments
 - Scheduled Ancient Monuments
 - Monument Area
 - Archaeological Event Area
 - Study Area

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



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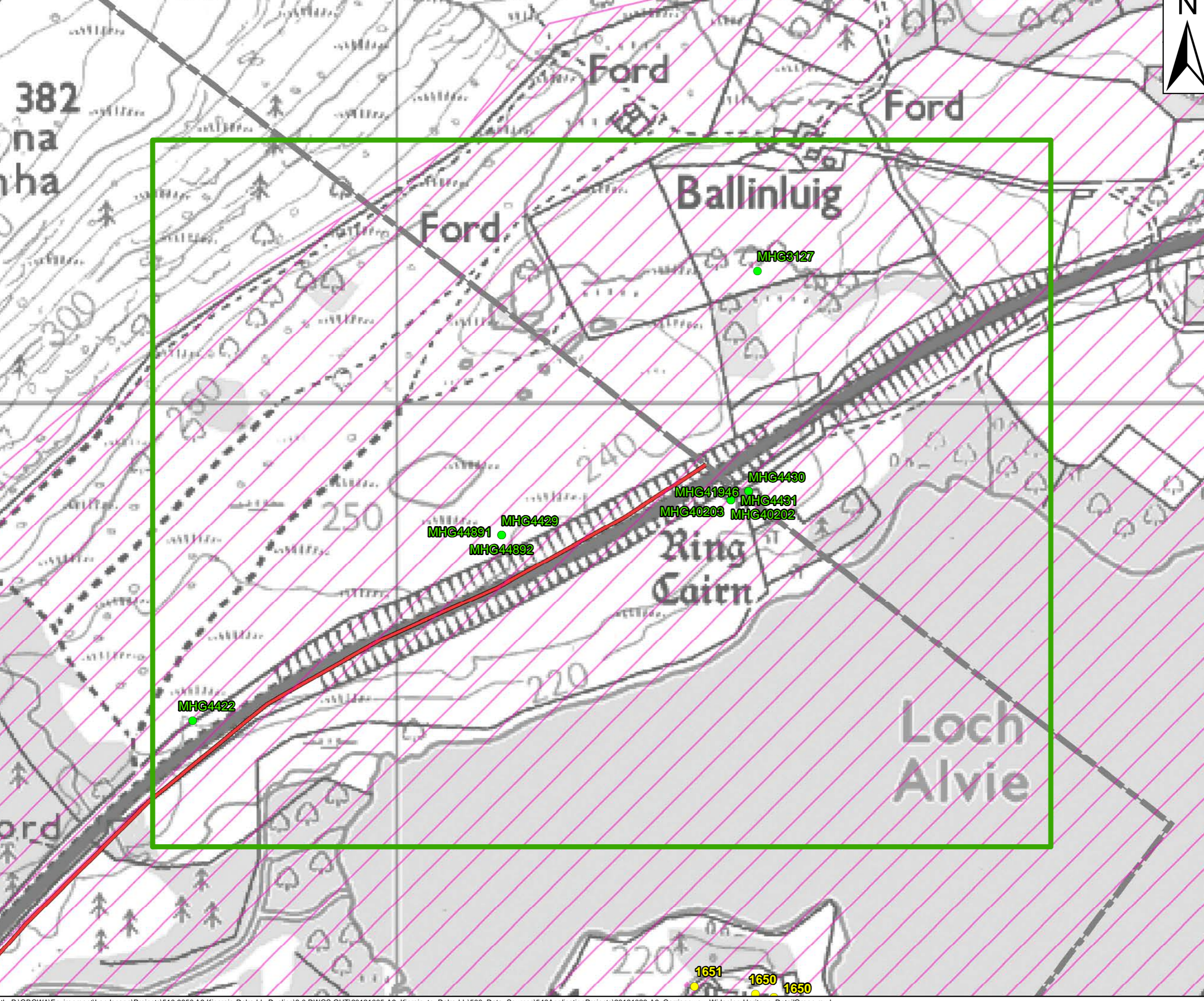
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Kincairdie to Dalraddy

Title
**FIGURE 5.6
HERITAGE AND DESIGNATED ASSETS
DETAIL AREA - ORANGE**

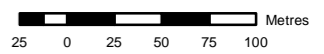
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- LEGEND**
- Existing A9
 - ▨ Linear Archaeological Event
 - ▭ Linear Monument
 - Monuments
 - ▨ Archaeological Event Area
 - Study Area

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Figure 5.7
**HERITAGE AND DESIGNATED ASSETS
DETAIL AREA - GREEN**

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		Date 23/10/13	Date 23/10/13	Date 23/10/13

Drawing Number 5109850_HER_001 Rev 02

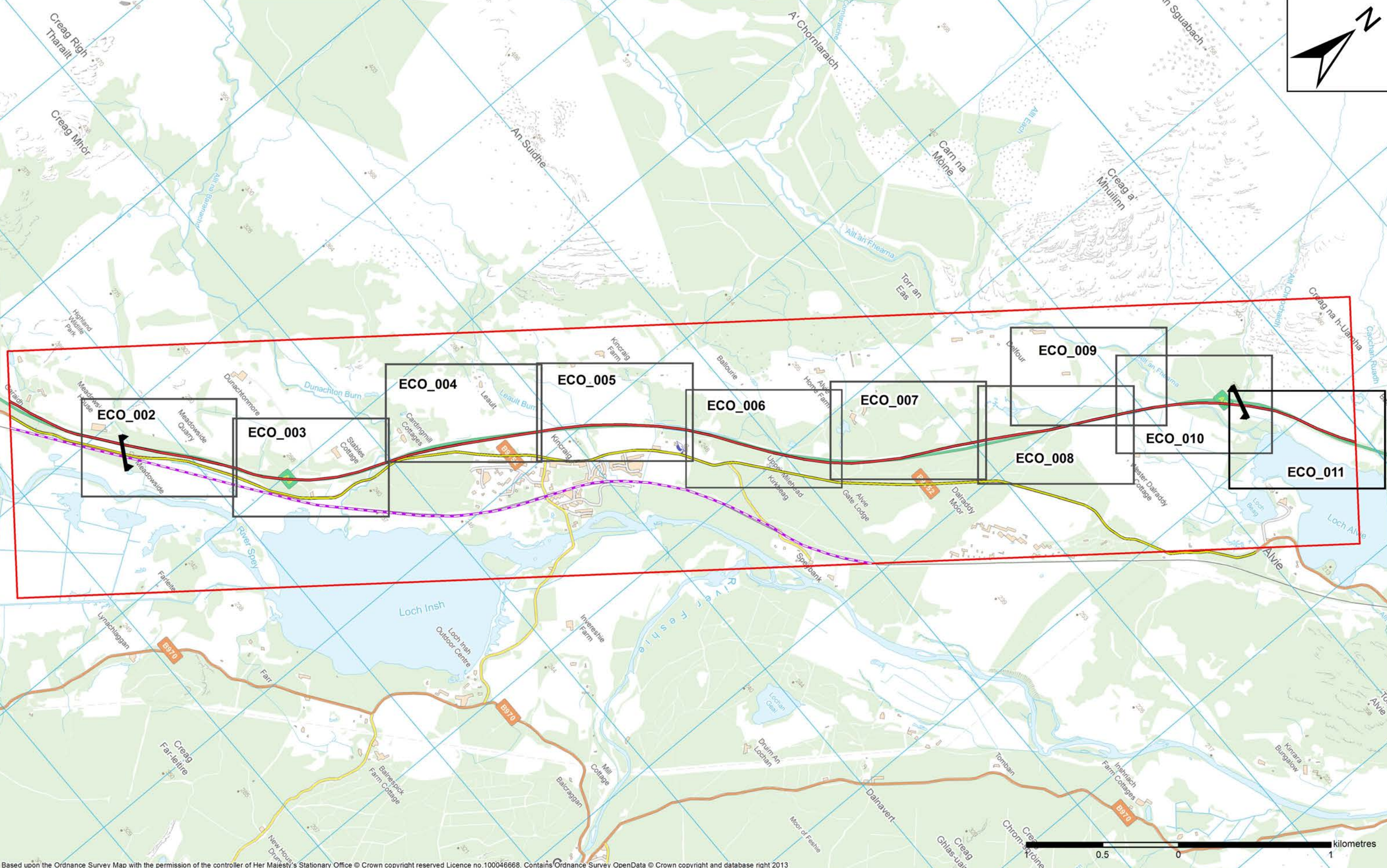
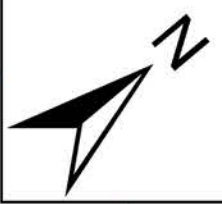
Chapter 7

Figure 7.1 Sequence of Phase 1 Maps
Figure 7.2 Phase 1 Habitat Map
Figure 7.3 Phase 1 Habitat Map
Figure 7.4 Phase 1 Habitat Map
Figure 7.5 Phase 1 Habitat Map
Figure 7.6 Phase 1 Habitat Map
Figure 7.7 Phase 1 Habitat Map
Figure 7.8 Phase 1 Habitat Map
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Figure 7.20 Mammal Records and Mitigation
Figure 7.21 Mammal Records and Mitigation
Figure 7.22 Mammal Records and Mitigation
Figure 7.23 Mammal Records and Mitigation
Figure 7.24 Mammal Records and Mitigation
Figure 7.25 Mammal Records and Mitigation
Figure 7.26 Mammal Records and Mitigation
Figure 7.27 Mammal Records and Mitigation





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- Study Area
- Existing A9
- B9152
- Railway
- Northern/Southern Extent of Scheme

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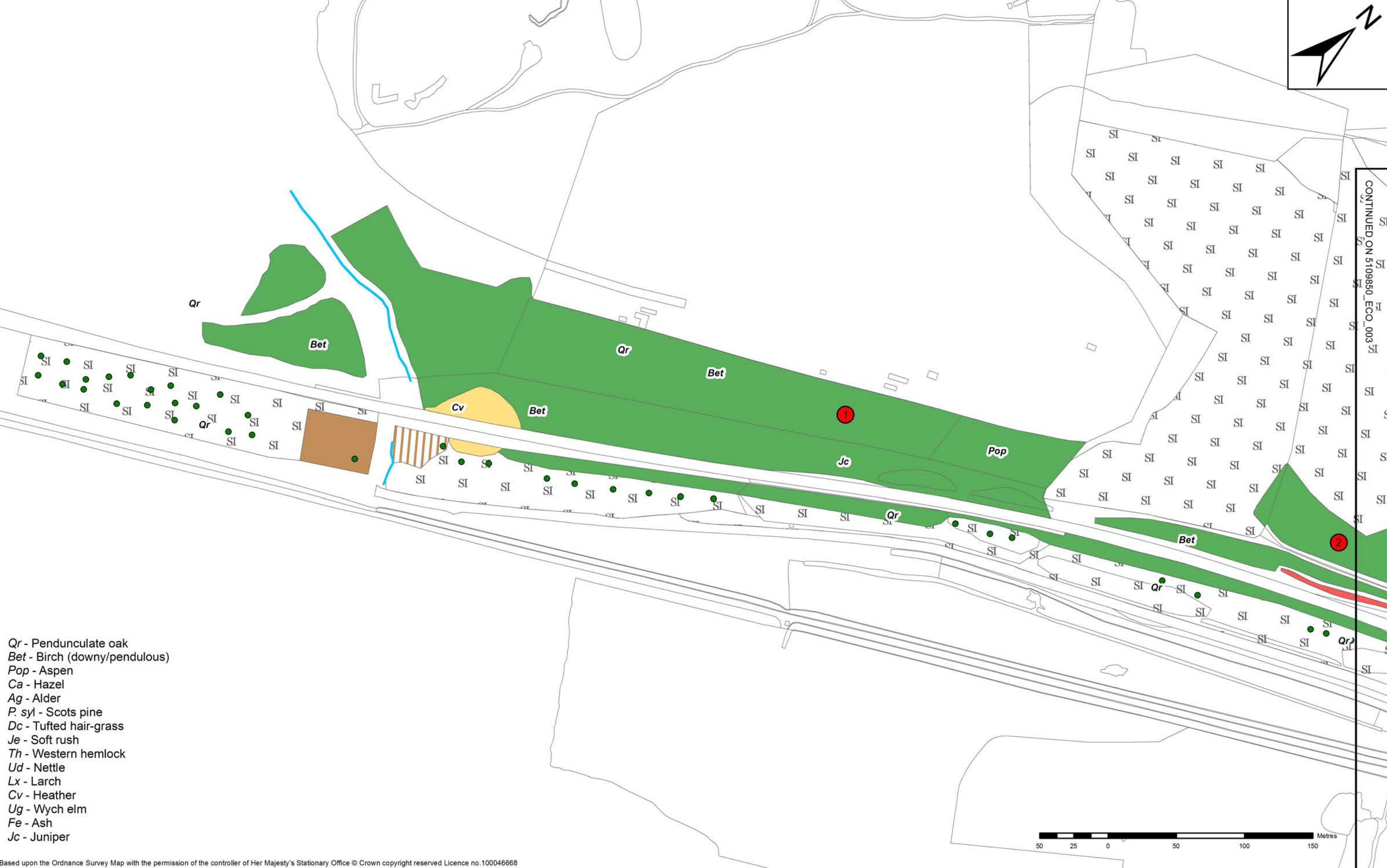


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FIGURE 7.1 SEQUENCE OF PHASE 1 MAPS				
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Drawing number 5109850_ECO_001				Rev 00





CONTINUED ON 5109850_ECO_003

- Qr - Pendunculate oak
- Bet - Birch (downy/pendulous)
- Pop - Aspen
- Ca - Hazel
- Ag - Alder
- P. syl - Scots pine
- Dc - Tufted hair-grass
- Je - Soft rush
- Th - Western hemlock
- Ud - Nettle
- Lx - Larch
- Cv - Heather
- Ug - Wych elm
- Fe - Ash
- Jc - Juniper

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Phase 1 habitat		B5 Marsh/Marshy grassland		E1.7 Dry modified bog		G2 Watercourse		I2.2 Spoil	
	A1.1.1 Broadleaved semi-natural woodland		B6 Poor semi-improved grassland		E2.1 Acid/neutral flush		—		I2.2 Spoil
	A1.2.2 Coniferous plantation		C1.1 Continuous bracken		F1 Swamp		++++		Tree (broadleaved)
	A3.1 Broad-leaved scattered trees		C3.1 Tall ruderal		F2.2 Inundation vegetation		----		A2.2 Scattered scrub
	B2.1 Unimproved neutral grassland		D1.1 Acid dry dwarf shrub heath		I4 Acid/neutral exposure		- - -		Target note
	B2.2 Semi-improved neutral grassland		D5 Dry heath/acid grassland mosaic						
	B4 Improved grassland								

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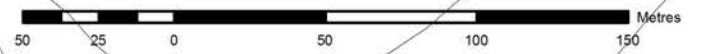
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FIGURE 7.2 PHASE 1 HABITAT MAP

Sheet Size	Scale at A3	Survey date	Drawn by	Checked
A3	NTS	August 2012	JP	WL
Drawing number				Rev
5109850_ECO_002				00



- Qr - Pendunculate oak
- Bet - Birch (downy/pendulous)
- Pop - Aspen
- Ca - Hazel
- Ag - Alder
- P. syl - Scots pine
- Dc - Tufted hair-grass
- Je - Soft rush
- Th - Western hemlock
- Ud - Nettle
- Lx - Larch
- Cv - Heather
- Ug - Wych elm
- Fe - Ash
- Jc - Juniper



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Phase 1 habitat		Phase 1 habitat		Phase 1 habitat		Phase 1 habitat	
	A1.1.1 Broadleaved semi-natural woodland		B5 Marsh/Marshy grassland		E1.7 Dry modified bog		G2 Watercourse
	A1.2.2 Coniferous plantation		B6 Poor semi-improved grassland		E2.1 Acid/neutral flush		J2.4 Fence
	A3.1 Broad-leaved scattered trees		C1.1 Continuous bracken		F1 Swamp		J2.5 Wall
	B2.1 Unimproved neutral grassland		C3.1 Tall ruderal		F2.2 Inundation vegetation		Division
	B2.2 Semi-improved neutral grassland		D1.1 Acid dry dwarf shrub heath		I4 Acid/neutral exposure		I2.2 Spoil
	B4 Improved grassland		D5 Dry heath/acid grassland mosaic				Tree (broadleaved)
							A2.2 Scattered scrub
							Target note

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

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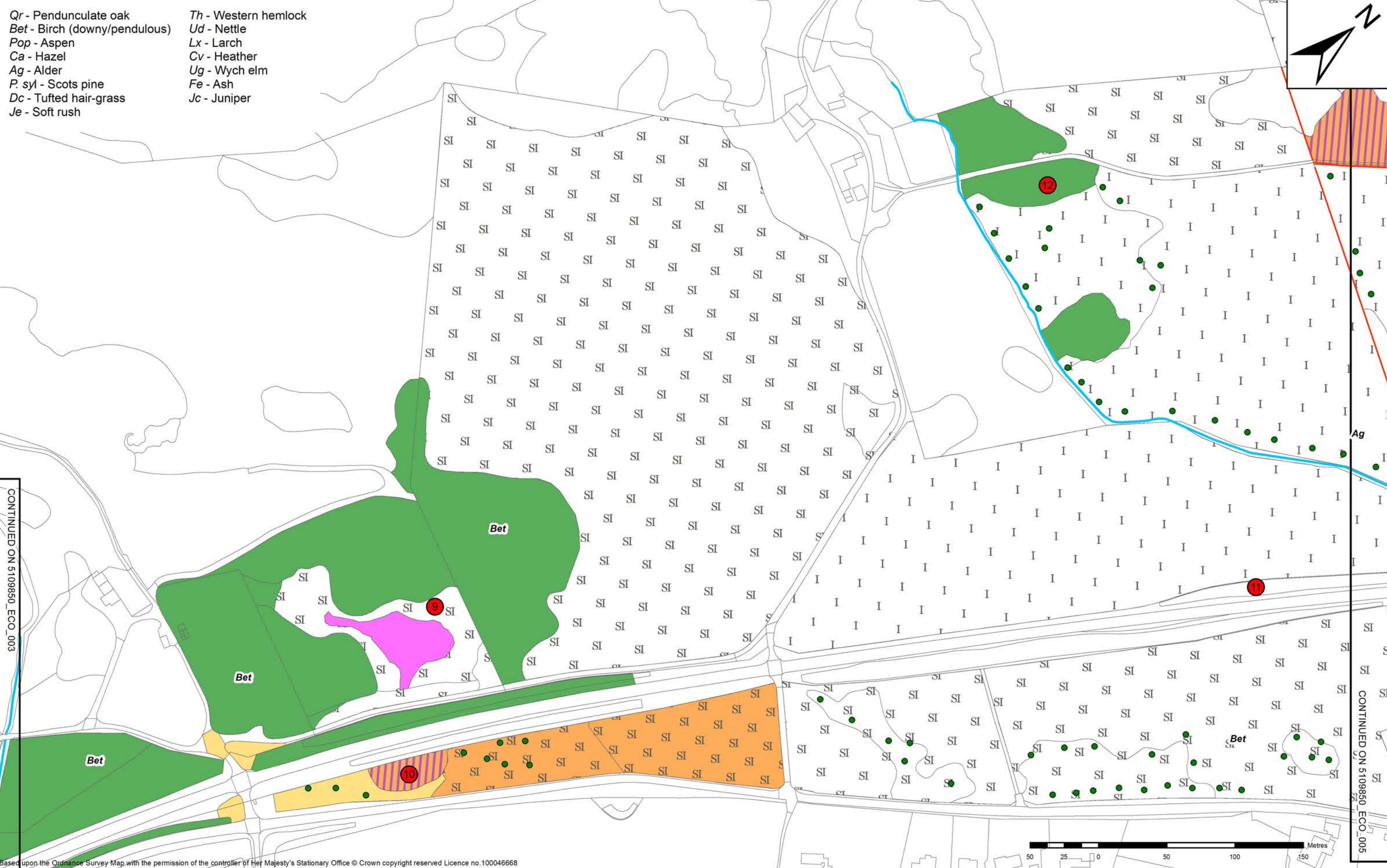
FIGURE 7.3 PHASE 1 HABITAT MAP

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A3	NTS	August 2012	JP	WL
Drawing number				Rev
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CONTINUED ON 5109850_ECO_002

Qr - Pendunculate oak
 Bet - Birch (downy/pendulous)
 Pop - Aspen
 Ca - Hazel
 Ag - Alder
 P. syl - Scots pine
 Dc - Tufted hair-grass
 Je - Soft rush
 Th - Western hemlock
 Ud - Nettle
 Lx - Larch
 Cv - Heather
 Ug - Wych elm
 Fe - Ash
 Jc - Juniper



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Phase 1 habitat		E1.7 Dry modified bog		G2 Watercourse		I2.2 Spoil	
	A1.1.1 Broadleaved semi-natural woodland		E2.1 Acid/neutral flush		G2 Watercourse		I2.2 Spoil
	A1.2.2 Coniferous plantation		E2.1 Acid/neutral flush		J2.4 Fence		Tree (broadleaved)
	A3.1 Broad-leaved scattered trees		F1 Swamp		J2.5 Wall		A2.2 Scattered scrub
	B2.1 Unimproved neutral grassland		F2.2 Inundation vegetation		Division		Target note
	B2.2 Semi-improved neutral grassland		I4 Acid/neutral exposure				
	B4 Improved grassland						

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FIGURE 7.4 PHASE 1 HABITAT MAP

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A3	NTS	August 2012	JP	WL
Drawing number	5109850_ECO_004			Rev
				00





Bet - Birch (downy/pendulous)
 Pop - Aspen
 Ag - Alder
 Fe - Ash

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Phase 1 habitat

	A1.1.1 Broadleaved semi-natural woodland
	A1.2.2 Coniferous plantation
	A3.1 Broad-leaved scattered trees
	B2.1 Unimproved neutral grassland
	B2.2 Semi-improved neutral grassland
	B4 Improved grassland

	B5 Marsh/Marshy grassland
	B6 Poor semi-improved grassland
	C1.1 Continuous bracken
	C3.1 Tall ruderal
	D1.1 Acid dry dwarf shrub heath
	D5 Dry heath/acid grassland mosaic

	E1.7 Dry modified bog
	E2.1 Acid/neutral flush
	F1 Swamp
	F2.2 Inundation vegetation
	I4 Acid/neutral exposure

	G2 Watercourse
	J2.4 Fence
	J2.5 Wall
	Division

	I2.2 Spoil
	Tree (broadleaved)
	A2.2 Scattered scrub
	Target note

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

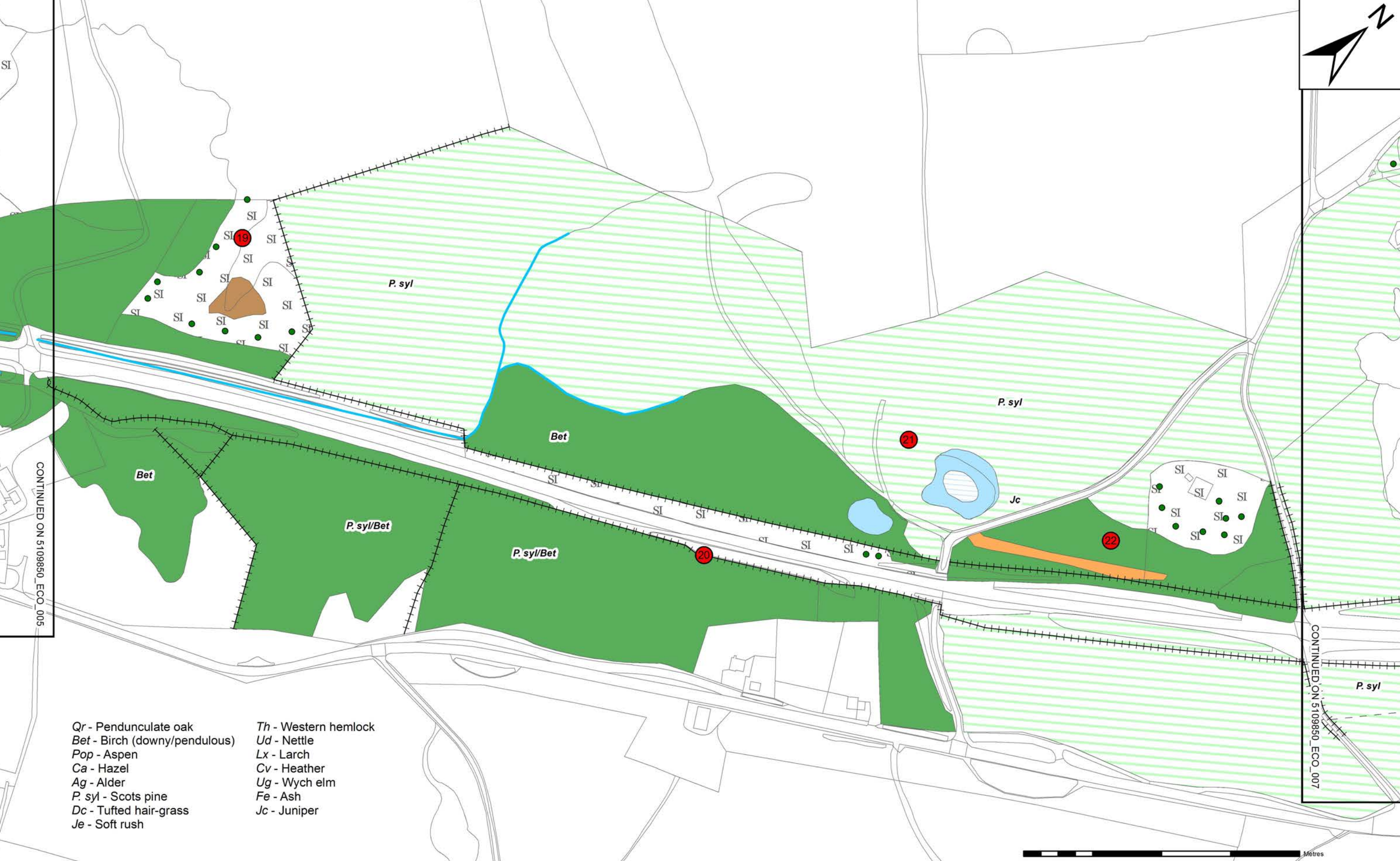
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FIGURE 7.5
 PHASE 1 HABITAT MAP

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Drawing number 5109850_ECO_005				Rev 00

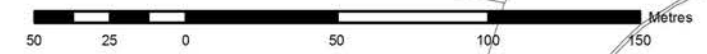




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- | | |
|-------------------------------|----------------------|
| Qr - Pendunculate oak | Th - Western hemlock |
| Bet - Birch (downy/pendulous) | Ud - Nettle |
| Pop - Aspen | Lx - Larch |
| Ca - Hazel | Cv - Heather |
| Ag - Alder | Ug - Wych elm |
| P. syl - Scots pine | Fe - Ash |
| Dc - Tufted hair-grass | Jc - Juniper |
| Je - Soft rush | |



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Phase 1 habitat		Phase 1 habitat		Phase 1 habitat		Phase 1 habitat	
	A1.1.1 Broadleaved semi-natural woodland		B5 Marsh/Marshy grassland		E1.7 Dry modified bog		G2 Watercourse
	A1.2.2 Coniferous plantation		B6 Poor semi-improved grassland		E2.1 Acid/neutral flush		J2.4 Fence
	A3.1 Broad-leaved scattered trees		C1.1 Continuous bracken		F1 Swamp		J2.5 Wall
	B2.1 Unimproved neutral grassland		C3.1 Tall ruderal		F2.2 Inundation vegetation		Division
	B2.2 Semi-improved neutral grassland		D1.1 Acid dry dwarf shrub heath		I4 Acid/neutral exposure		I2.2 Spoil
	B4 Improved grassland		D5 Dry heath/acid grassland mosaic				Tree (broadleaved)
							A2.2 Scattered scrub
							Target note

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

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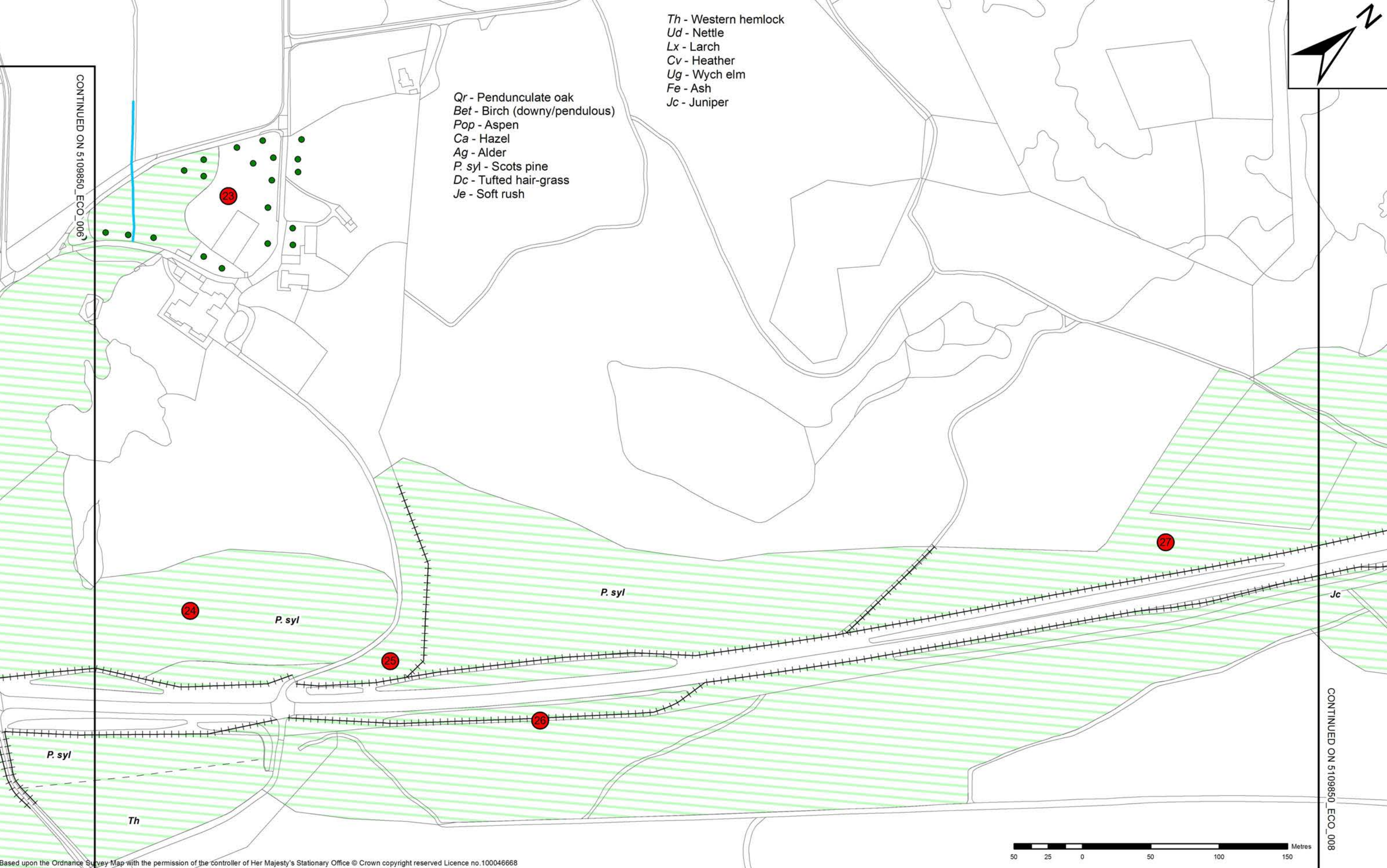
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FIGURE 7.6 PHASE 1 HABITAT MAP		Northern ecological Services	
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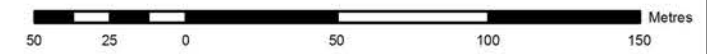
Th - Western hemlock
 Ud - Nettle
 Lx - Larch
 Cv - Heather
 Ug - Wych elm
 Fe - Ash
 Jc - Juniper

Qr - Pendunculate oak
 Bet - Birch (downy/pendulous)
 Pop - Aspen
 Ca - Hazel
 Ag - Alder
 P. syl - Scots pine
 Dc - Tufted hair-grass
 Je - Soft rush



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CONTINUED ON 5109850_ECO_008



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Phase 1 habitat		Phase 1 habitat		Phase 1 habitat		Phase 1 habitat	
	A1.1.1 Broadleaved semi-natural woodland		B5 Marsh/Marshy grassland		E1.7 Dry modified bog		G2 Watercourse
	A1.2.2 Coniferous plantation		B6 Poor semi-improved grassland		E2.1 Acid/neutral flush		J2.4 Fence
	A3.1 Broad-leaved scattered trees		C1.1 Continuous bracken		F1 Swamp		J2.5 Wall
	B2.1 Unimproved neutral grassland		C3.1 Tall ruderal		F2.2 Inundation vegetation		Division
	B2.2 Semi-improved neutral grassland		D1.1 Acid dry dwarf shrub heath		I4 Acid/neutral exposure		I2.2 Spoil
	B4 Improved grassland		D5 Dry heath/acid grassland mosaic				Tree (broadleaved)
							A2.2 Scattered scrub
							Target note

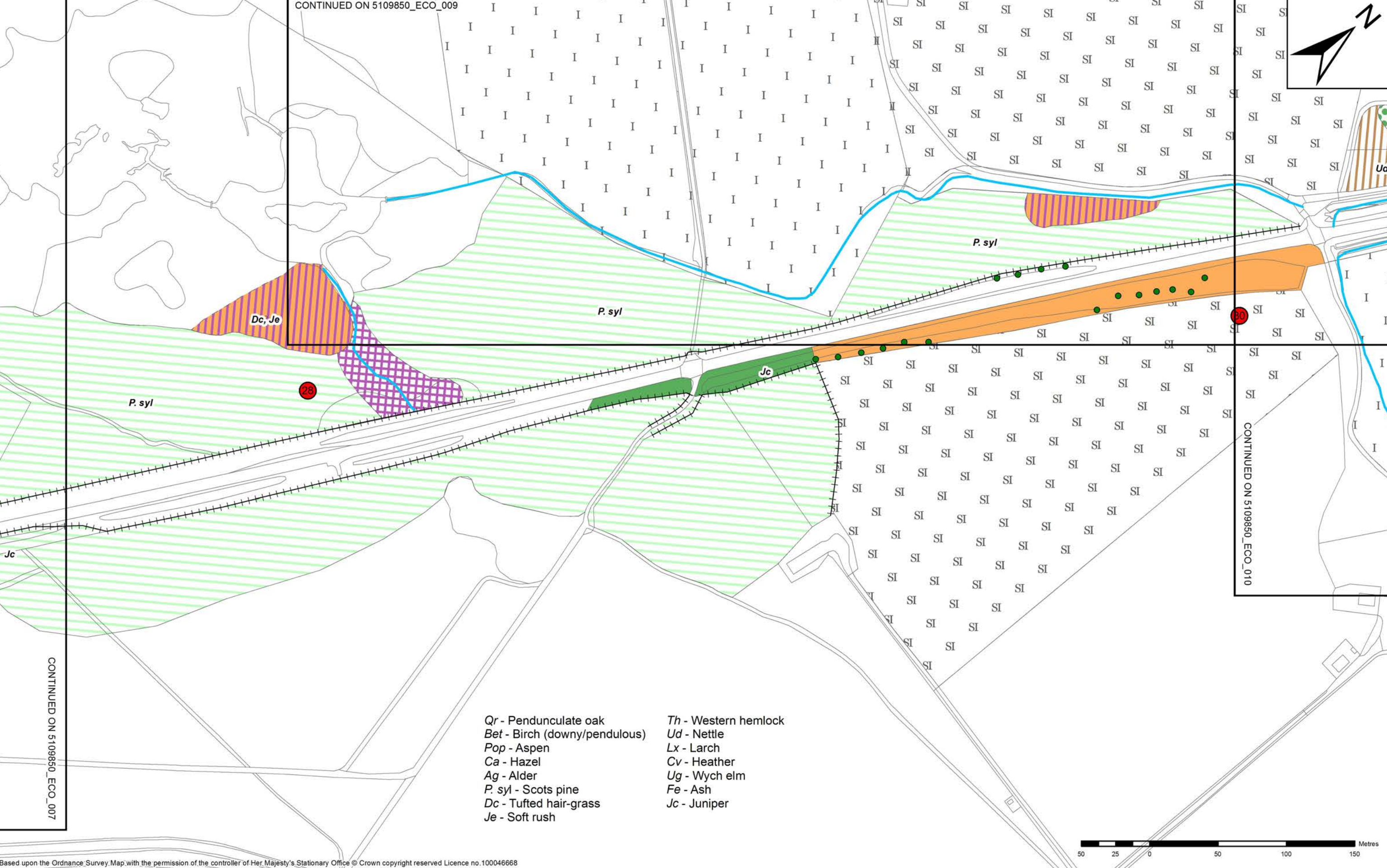
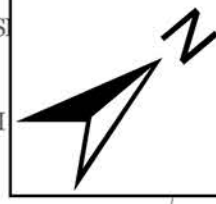
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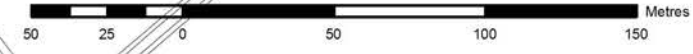
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FIGURE 7.7 PHASE 1 HABITAT MAP

Sheet Size	Scale at A3	Survey date	Drawn by	Checked
A3	NTS	August 2012	JP	WL
Drawing number	Rev			
5109850_ECO_007	00			



- Qr - Pendunculate oak
- Bet - Birch (downy/pendulous)
- Pop - Aspen
- Ca - Hazel
- Ag - Alder
- P. syl - Scots pine
- Dc - Tufted hair-grass
- Je - Soft rush
- Th - Western hemlock
- Ud - Nettle
- Lx - Larch
- Cv - Heather
- Ug - Wych elm
- Fe - Ash
- Jc - Juniper



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- Phase 1 habitat
- A1.1.1 Broadleaved semi-natural woodland
 - A1.2.2 Coniferous plantation
 - A3.1 Broad-leaved scattered trees
 - B2.1 Unimproved neutral grassland
 - B2.2 Semi-improved neutral grassland
 - B4 Improved grassland

- B5 Marsh/Marshy grassland
- B6 Poor semi-improved grassland
- C1.1 Continuous bracken
- C3.1 Tall ruderal
- D1.1 Acid dry dwarf shrub heath
- D5 Dry heath/acid grassland mosaic

- E1.7 Dry modified bog
- E2.1 Acid/neutral flush
- F1 Swamp
- F2.2 Inundation vegetation
- I4 Acid/neutral exposure

- G2 Watercourse
- J2.4 Fence
- J2.5 Wall
- Division

- I2.2 Spoil
- Tree (broadleaved)
- A2.2 Scattered scrub
- Target note

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FIGURE 7.8
PHASE 1 HABITAT MAP

Sheet Size	Scale at A3	Survey date	Drawn by	Checked
A3	NTS	August 2012	JP	WL
Drawing number				Rev
5109850_ECO_008				00

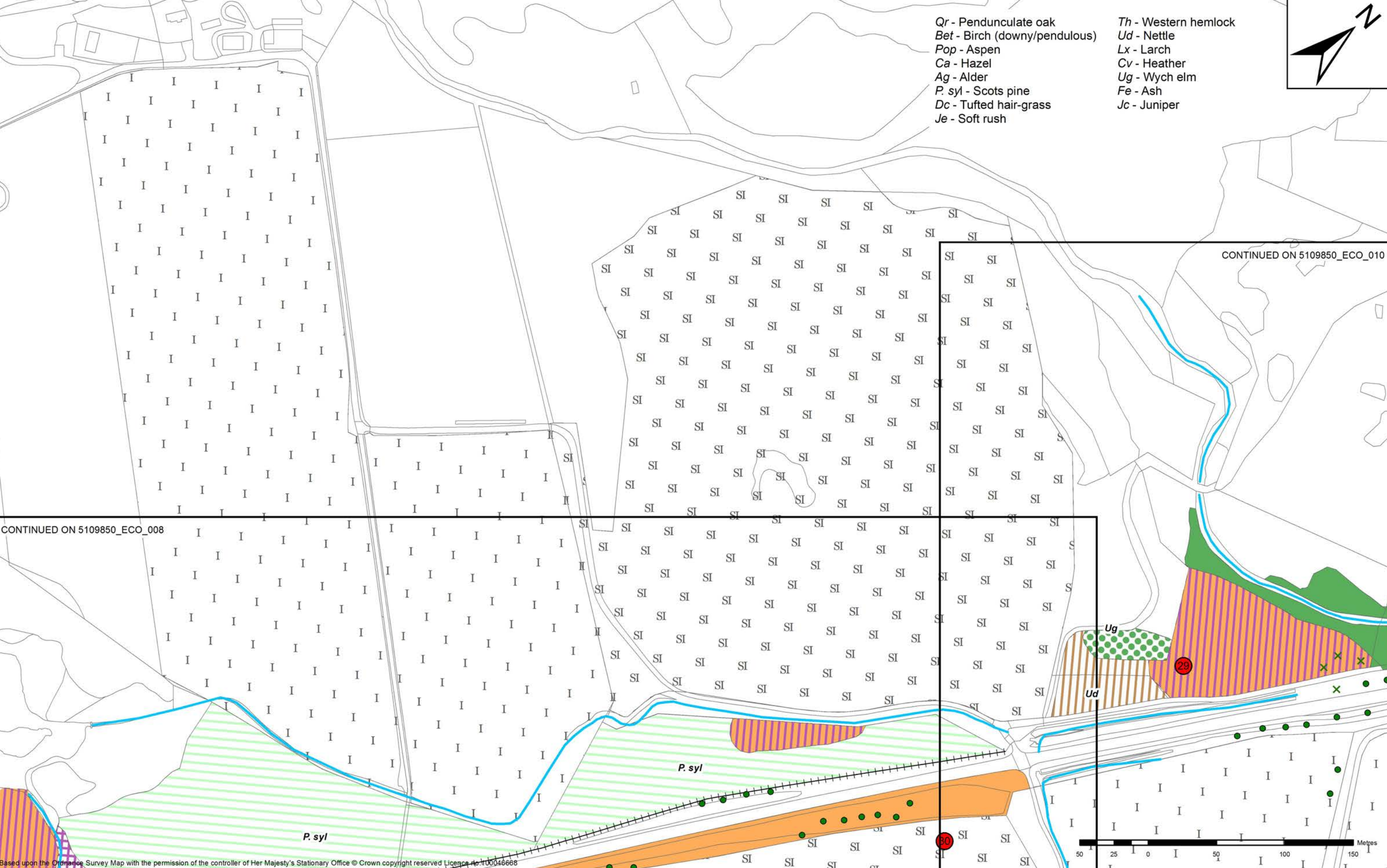
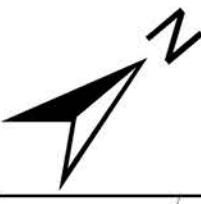
NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

CONTINUED ON 5109850_ECO_007

CONTINUED ON 5109850_ECO_010

Qr - Pendunculate oak
 Bet - Birch (downy/pendulous)
 Pop - Aspen
 Ca - Hazel
 Ag - Alder
 P. syl - Scots pine
 Dc - Tufted hair-grass
 Je - Soft rush

Th - Western hemlock
 Ud - Nettle
 Lx - Larch
 Cv - Heather
 Ug - Wych elm
 Fe - Ash
 Jc - Juniper



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CONTINUED ON 5109850_ECO_010

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Phase 1 habitat

	A1.1.1 Broadleaved semi-natural woodland
	A1.2.2 Coniferous plantation
	A3.1 Broad-leaved scattered trees
	B2.1 Unimproved neutral grassland
	B2.2 Semi-improved neutral grassland
	B4 Improved grassland

	B5 Marsh/Marshy grassland
	B6 Poor semi-improved grassland
	C1.1 Continuous bracken
	C3.1 Tall ruderal
	D1.1 Acid dry dwarf shrub heath
	D5 Dry heath/acid grassland mosaic

	E1.7 Dry modified bog
	E2.1 Acid/neutral flush
	F1 Swamp
	F2.2 Inundation vegetation
	I4 Acid/neutral exposure

	G2 Watercourse
	J2.4 Fence
	J2.5 Wall
	Division

	I2.2 Spoil
	Tree (broadleaved)
	A2.2 Scattered scrub
	Target note

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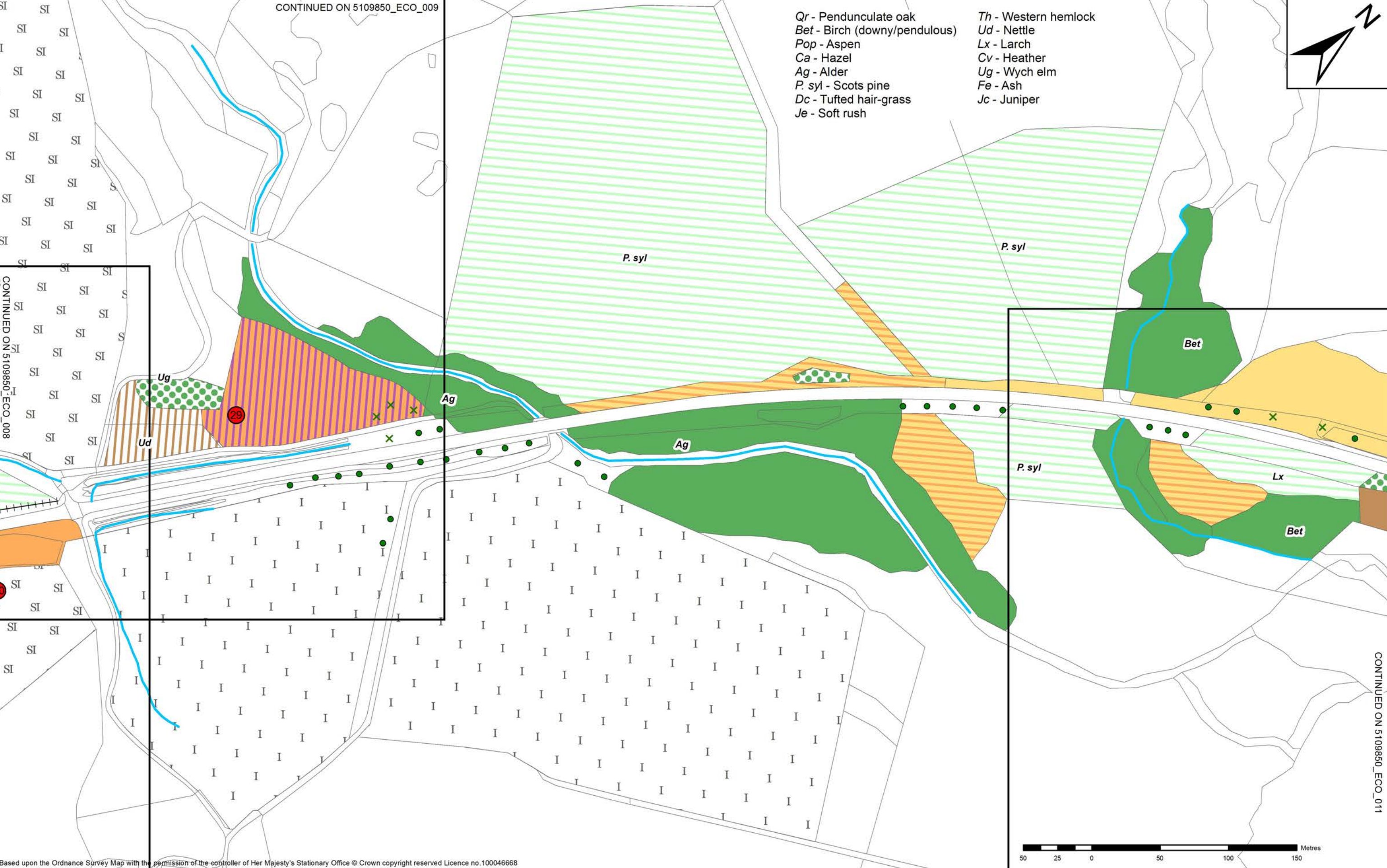
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FIGURE 7.9
 PHASE 1 HABITAT MAP

Sheet Size	Scale at A3	Survey date	Drawn by	Checked
A3	NTS	August 2012	JP	WL
Drawing number				Rev
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- Bet - Birch (downy/pendulous)
- Pop - Aspen
- Ca - Hazel
- Ag - Alder
- P. syl - Scots pine
- Dc - Tufted hair-grass
- Je - Soft rush
- Th - Western hemlock
- Ud - Nettle
- Lx - Larch
- Cv - Heather
- Ug - Wych elm
- Fe - Ash
- Jc - Juniper



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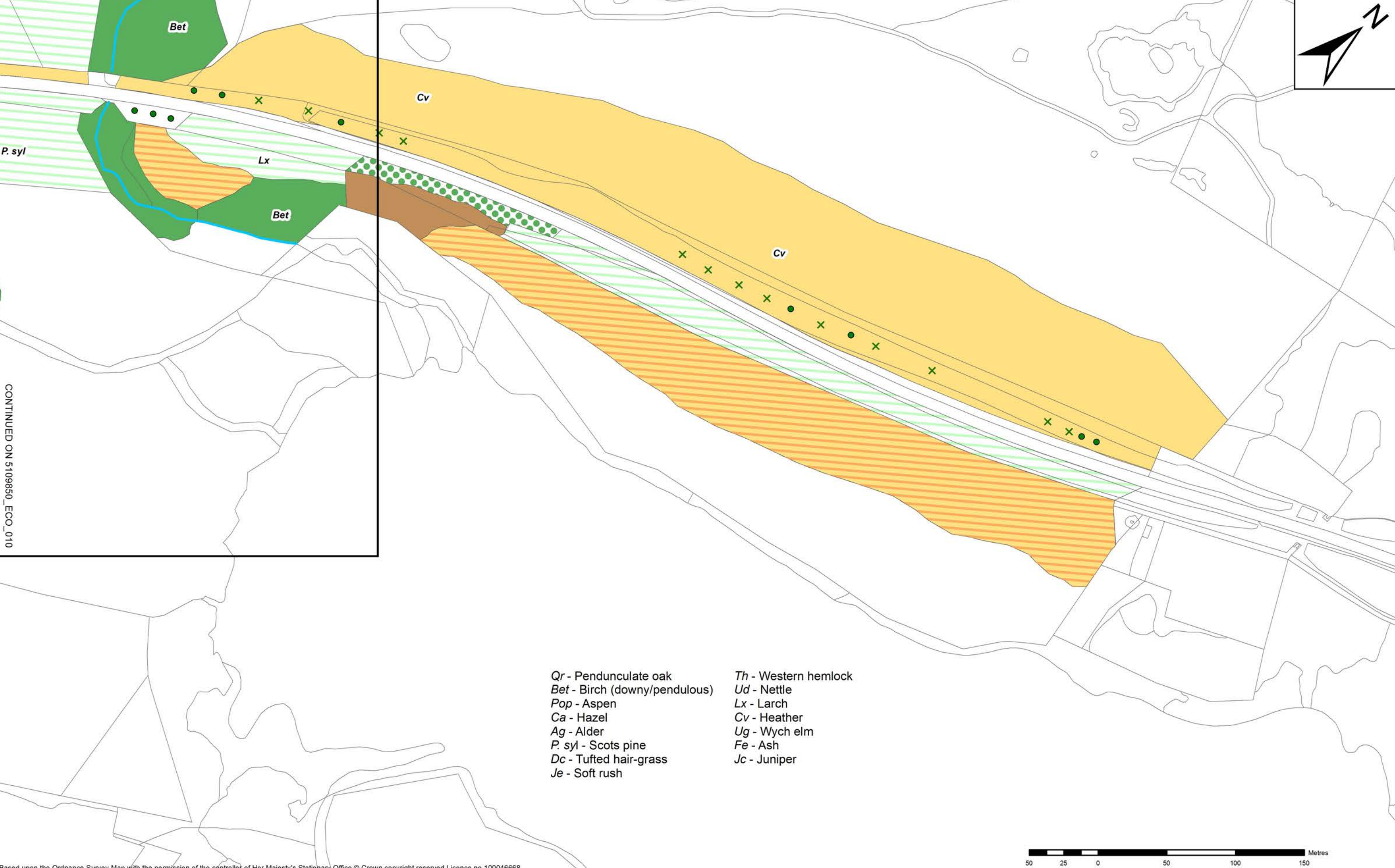
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	A1.1.1 Broadleaved semi-natural woodland		B5 Marsh/Marshy grassland		E1.7 Dry modified bog		G2 Watercourse
	A1.2.2 Coniferous plantation		B6 Poor semi-improved grassland		E2.1 Acid/neutral flush		J2.4 Fence
	A3.1 Broad-leaved scattered trees		C1.1 Continuous bracken		F1 Swamp		J2.5 Wall
	B2.1 Unimproved neutral grassland		C3.1 Tall ruderal		F2.2 Inundation vegetation		Division
	B2.2 Semi-improved neutral grassland		D1.1 Acid dry dwarf shrub heath		I4 Acid/neutral exposure		I2.2 Spoil
	B4 Improved grassland		D5 Dry heath/acid grassland mosaic				Tree (broadleaved)
							A2.2 Scattered scrub
							Target note

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

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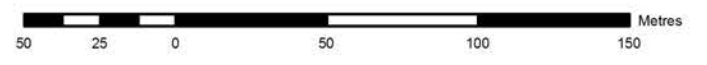
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FIGURE 7.10 PHASE 1 HABITAT MAP			
Sheet Size A3	Scale at A3 NTS	Survey date August 2012	Drawn by JP
Drawing number 5109850_ECO_010		Checked WL	Rev 00



CONTINUED ON 5109850_ECO_010

- Qr* - Pendunculate oak
- Bet* - Birch (downy/pendulous)
- Pop* - Aspen
- Ca* - Hazel
- Ag* - Alder
- P. syl* - Scots pine
- Dc* - Tufted hair-grass
- Je* - Soft rush
- Th* - Western hemlock
- Ud* - Nettle
- Lx* - Larch
- Cv* - Heather
- Ug* - Wych elm
- Fe* - Ash
- Jc* - Juniper



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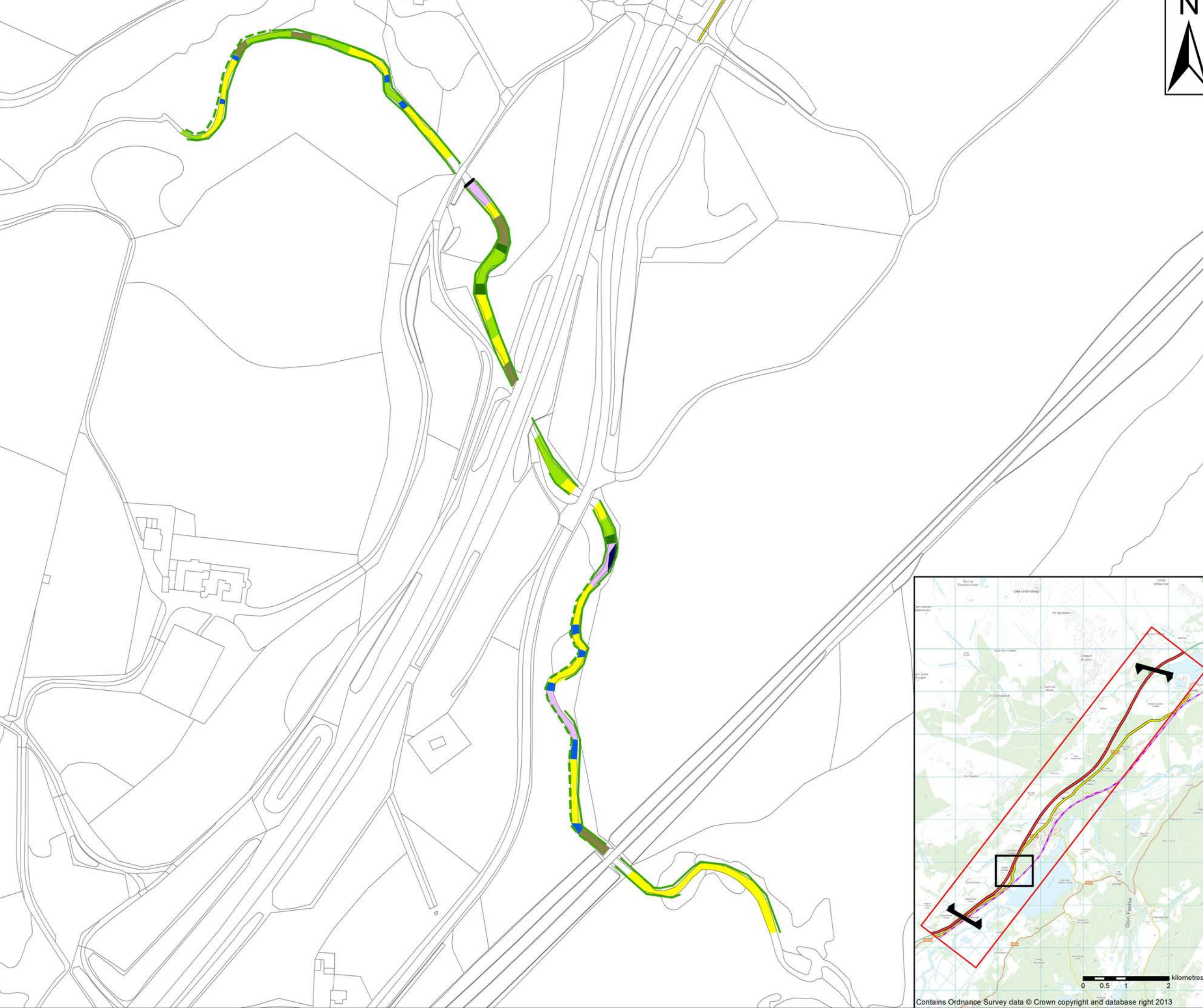
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	A1.1.1 Broadleaved semi-natural woodland		B5 Marsh/Marshy grassland		E1.7 Dry modified bog		G2 Watercourse		I2.2 Spoil
	A1.2.2 Coniferous plantation		B6 Poor semi-improved grassland		E2.1 Acid/neutral flush		J2.4 Fence		Tree (broadleaved)
	A3.1 Broad-leaved scattered trees		C1.1 Continuous bracken		F1 Swamp		J2.5 Wall		A2.2 Scattered scrub
	B2.1 Unimproved neutral grassland		C3.1 Tall ruderal		F2.2 Inundation vegetation		---	---	Division
	B2.2 Semi-improved neutral grassland		D1.1 Acid dry dwarf shrub heath		I4 Acid/neutral exposure				Target note
	B4 Improved grassland		D5 Dry heath/acid grassland mosaic						






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FIGURE 7.11 PHASE 1 HABITAT MAP				
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Drawing number				Rev
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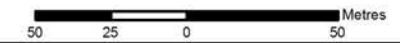
-  Study Area
-  Northern/Southern Extent of Scheme
-  Existing A9
-  B9152
-  Railway

Fish habitat - Dunachton burn

-  Spawning habitat
-  Fry habitat
-  Parr habitat
-  Glide
-  Pool
-  Mixed juvenile
-  Large woody debris
-  Shade
-  Scattered shade
-  Weir



NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



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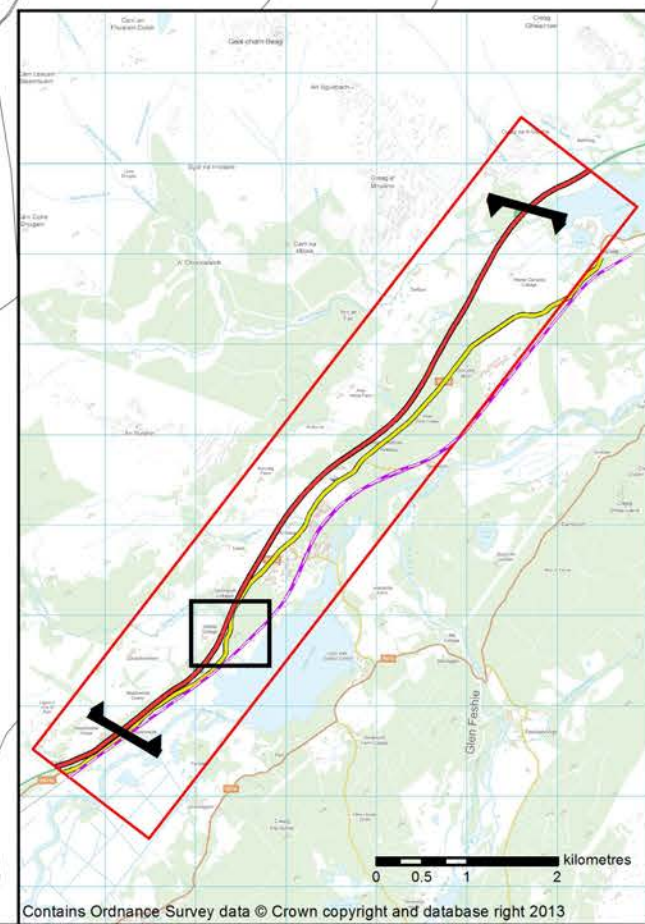


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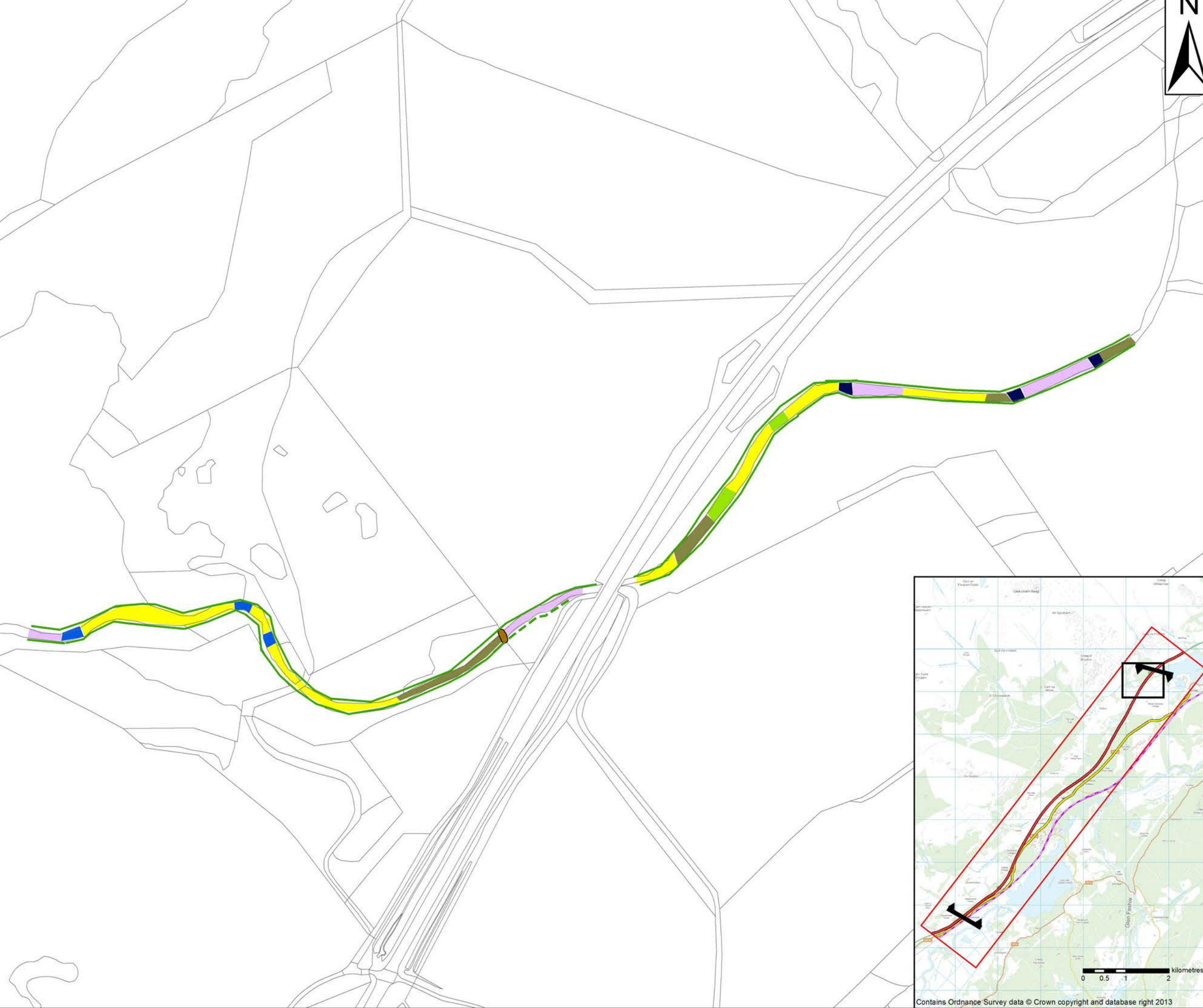







**FIGURE 7.12
RIVER HABITAT SURVEY
DUNACHTON BURN**




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		Date 01/04/13	Date 01/04/13	Date 01/04/13
Drawing Number 5109850_ECO_016		Rev 00		

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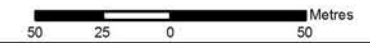


-  Study Area
-  Northern/Southern Extent of Scheme
-  Existing A9
-  B9152
-  Railway

- Fish habitat - Allt an Fhearna**
-  Spawning habitat
 -  Fry habitat
 -  Parr habitat
 -  Glide
 -  Pool
 -  Mixed juvenile
 -  Shade
 -  Scattered shade
 -  Ford



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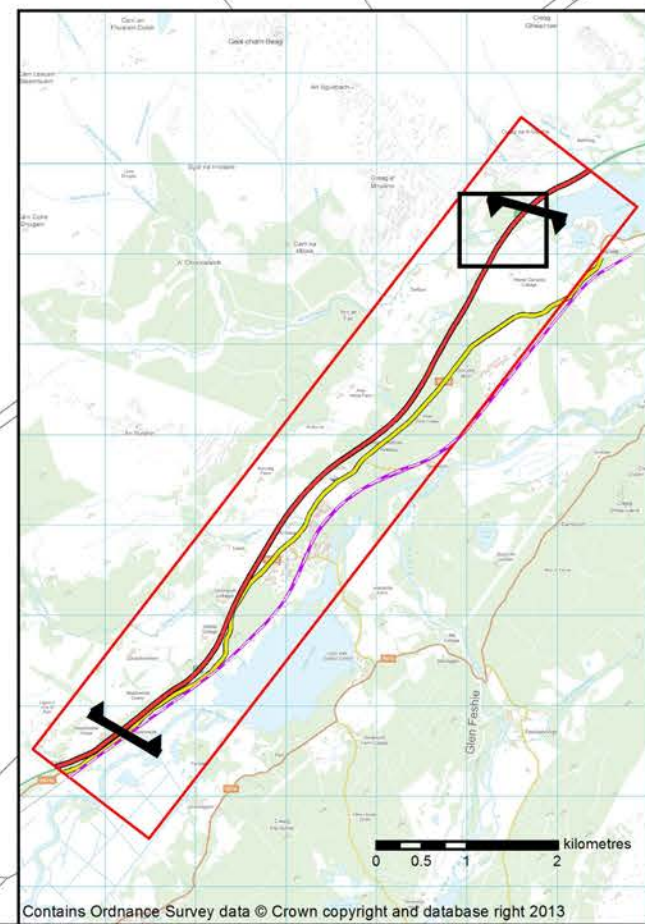
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PERTH TO INVERNESS
Kincairdie to Dalraddy

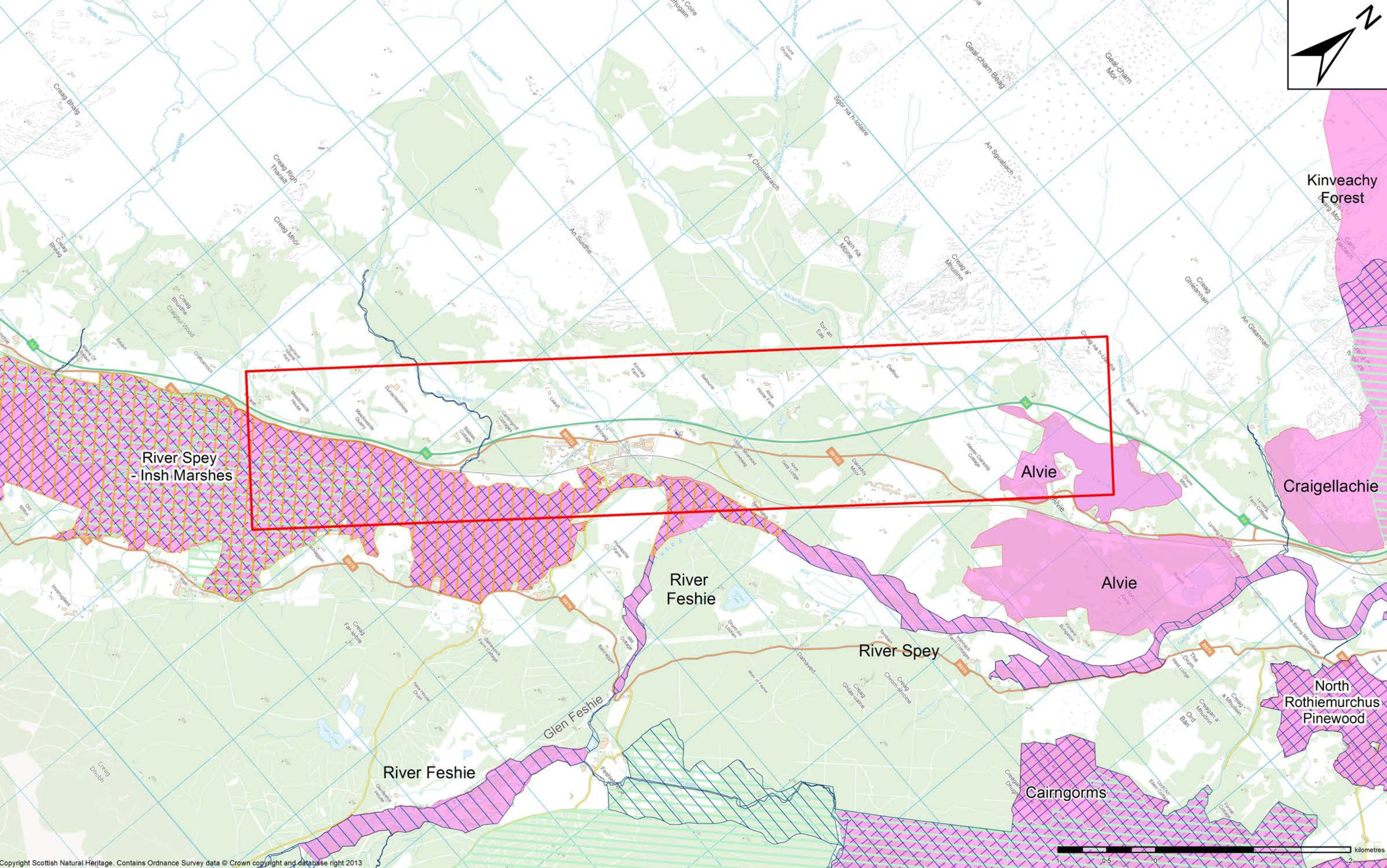
Title
**FIGURE 7.13
RIVER HABITAT SURVEY
ALLT AN FHEARNA**

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		Date 01/04/13	Date 01/04/13	Date 01/04/13

Drawing Number 5109850_ECO_017 Rev 00



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Statutory designated areas

- Site of Special Scientific Interest (named)
- Ramsar site
- Special Protection Area
- National Nature Reserve
- Study Area
- Special Area of Conservation

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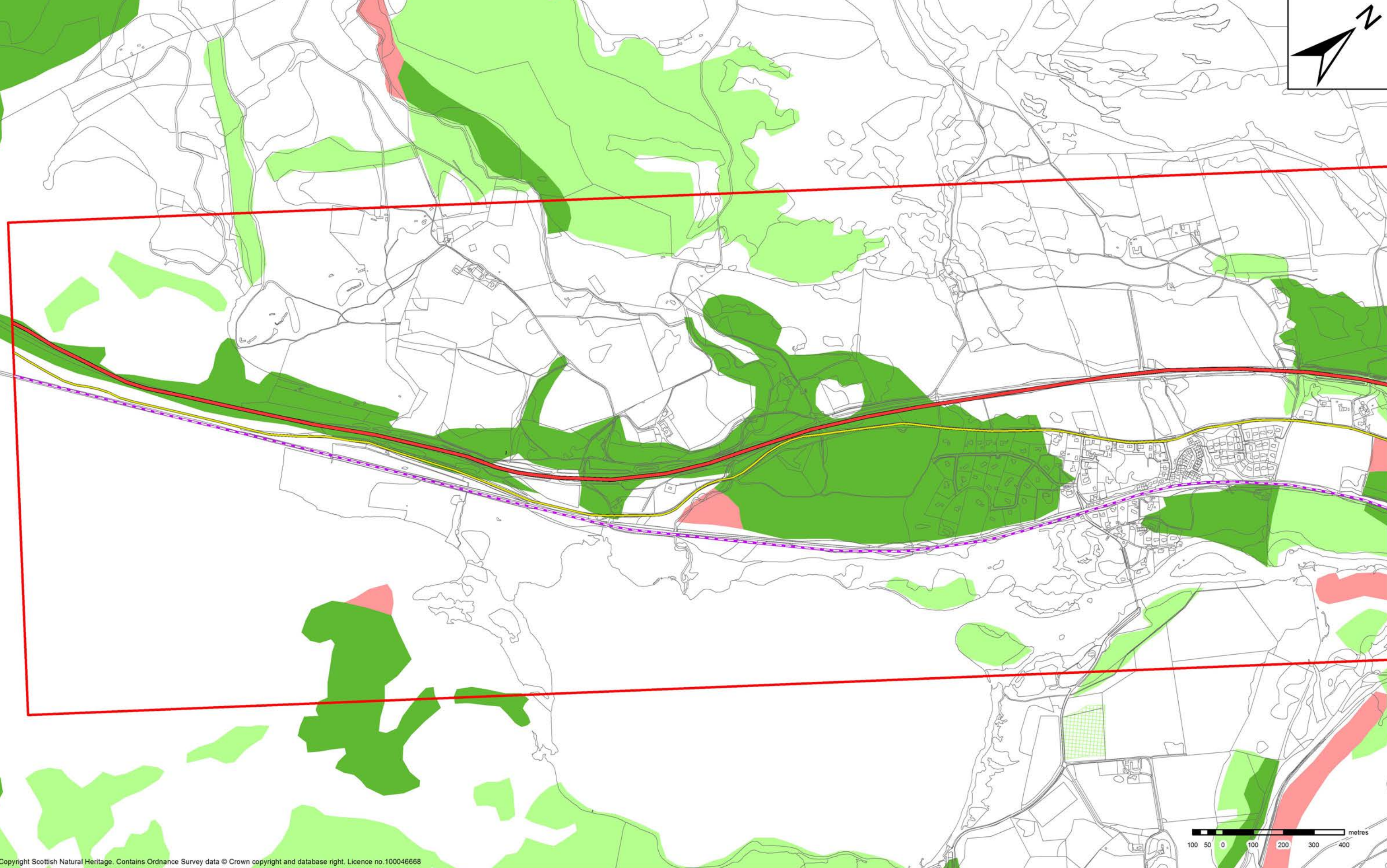
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FIGURE 7.14 STATUTORY DESIGNATED AREAS

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A3	NTS	April 2013	JP	WL
Drawing number	5109850_ECO_012			Rev
				00



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Ancient woodland type

- Ancient (of semi-natural origin) 1750
- Ancient (of semi-natural origin) 1860
- Long established (of plantation origin) 1860
- Other (on Roy map)

- Study Area
- Existing A9
- B9152
- Railway

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK

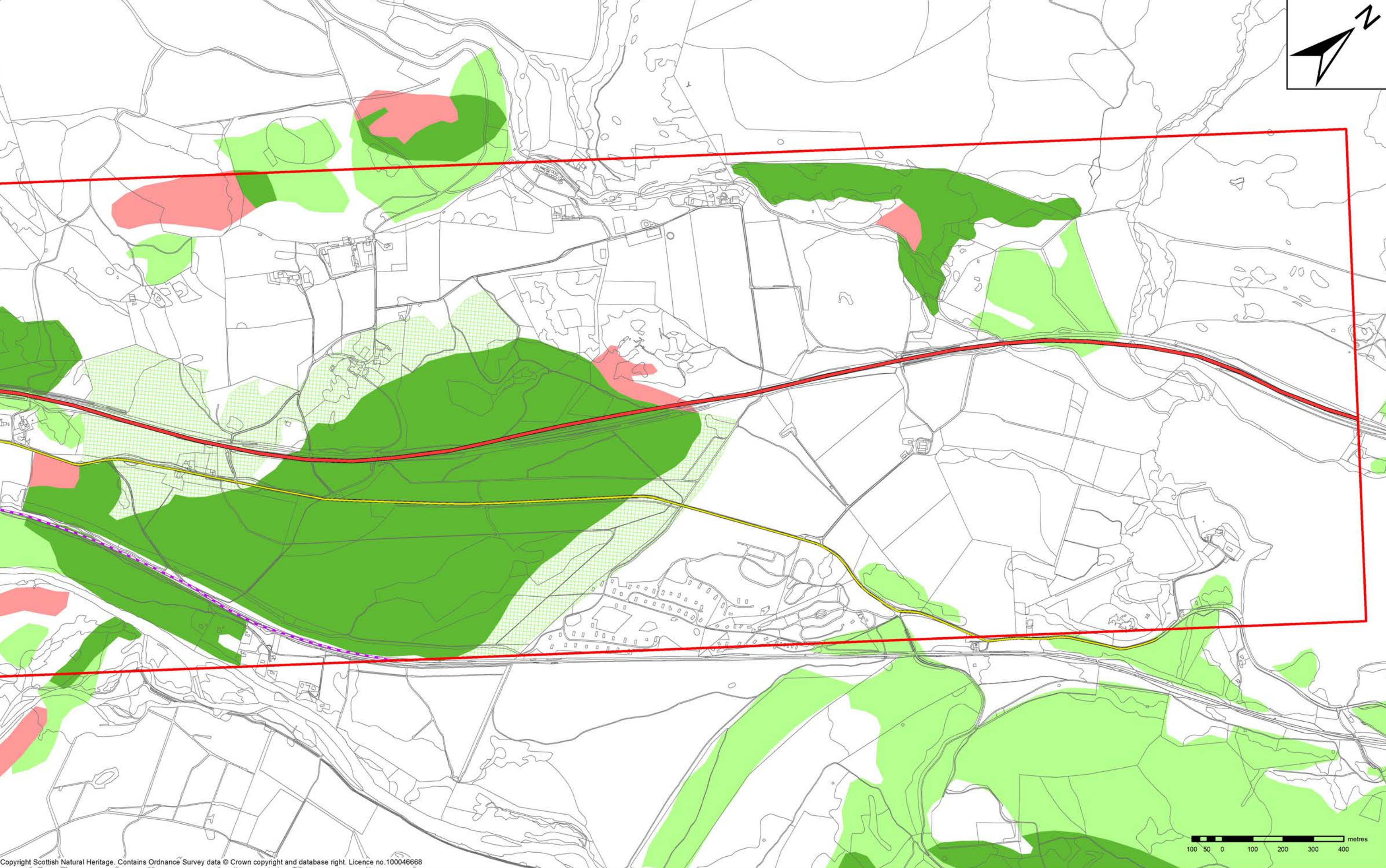
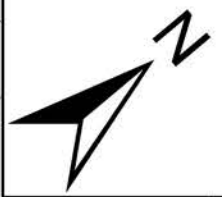


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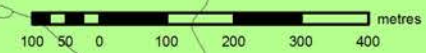


FIGURE 7.15 ANCIENT WOODLAND INVENTORY MAP 1					
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A3	NTS	April 2013	JP	WL	
Drawing number					Rev
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Ancient woodland type

- Ancient (of semi-natural origin) 1750
- Ancient (of semi-natural origin) 1860
- Long established (of plantation origin) 1860
- Other (on Roy map)

- Study Area
- B9152
- Existing A9
- Railway

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



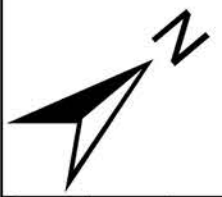
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**FIGURE 7.16
ANCIENT WOODLAND
INVENTORY MAP 2**



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Drawing number 5109850_ECO_014			Rev 00	



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Wood ant nest location

- ✕ Outside highway fence
- ⊗ Within highway boundary

Phase 1 habitat

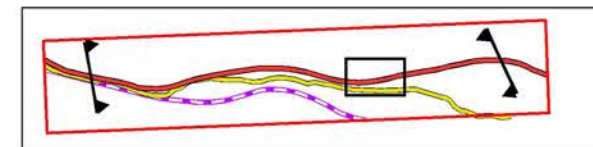
- A1.1.1 Broadleaved semi-natural woodland
- A1.2.2 Coniferous plantation
- B2.1 Unimproved neutral grassland
- SI B6 Poor semi-improved grassland

J2.4 Fence

- G2 Watercourse
- Tree (broadleaved)

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Location plan



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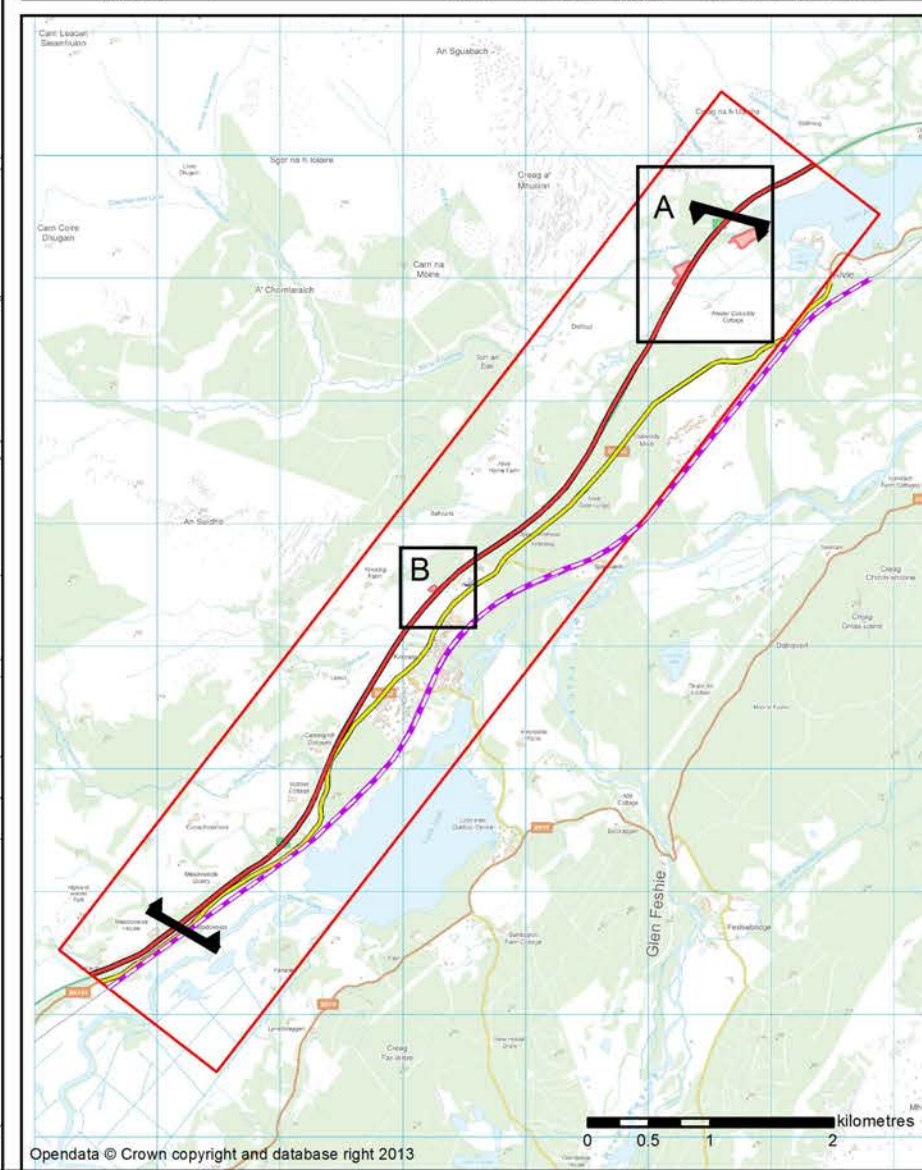
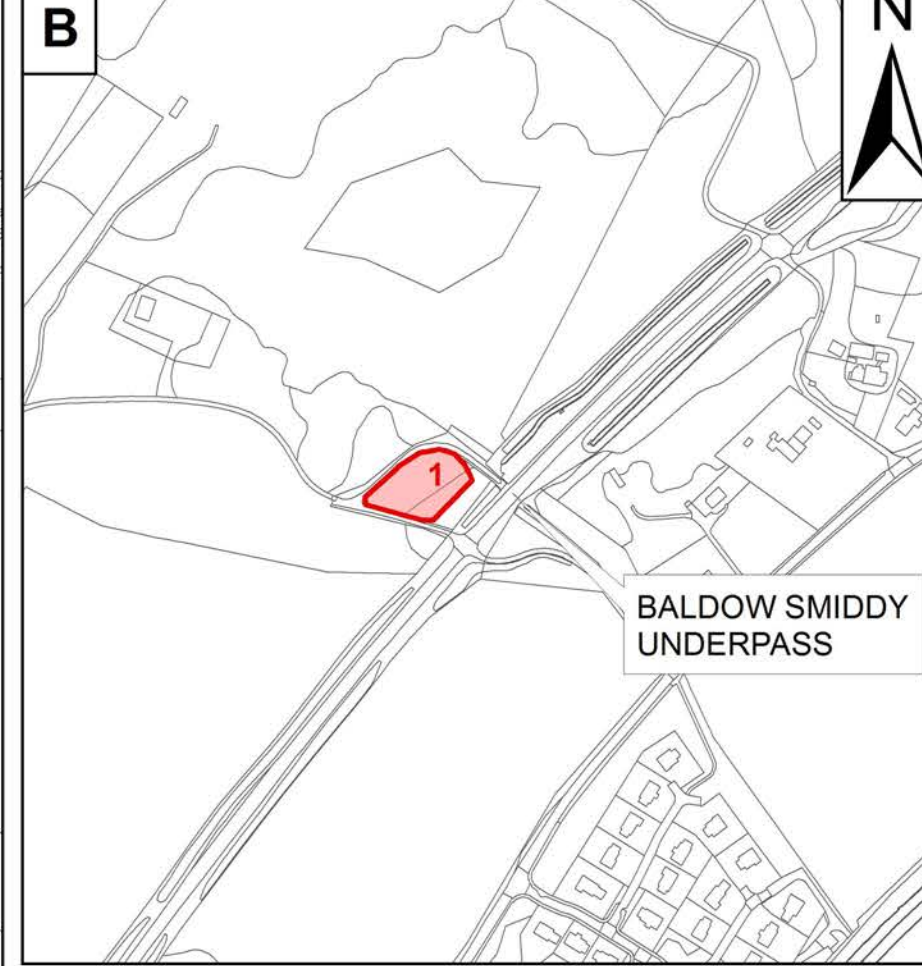
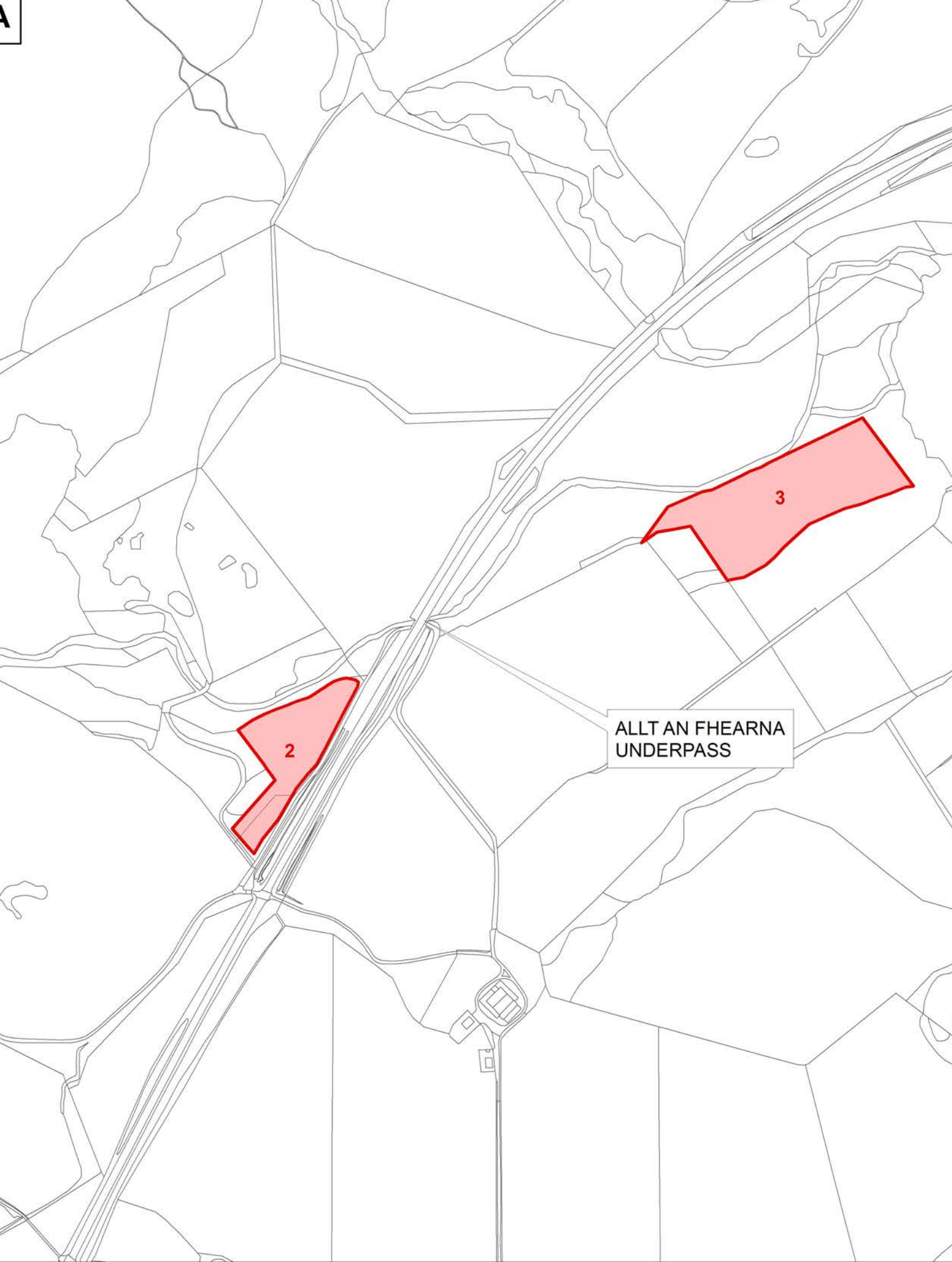
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FIGURE 7.17
WOOD ANT (*Formica lugubris*)
NESTS

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Drawing number				Rev
5109850_ECO_015				00

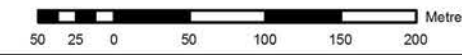




-  Study Area
-  Northern/Southern Extent of Scheme
-  Existing A9
-  B9152
-  Railway
-  Potential offsite mitigation



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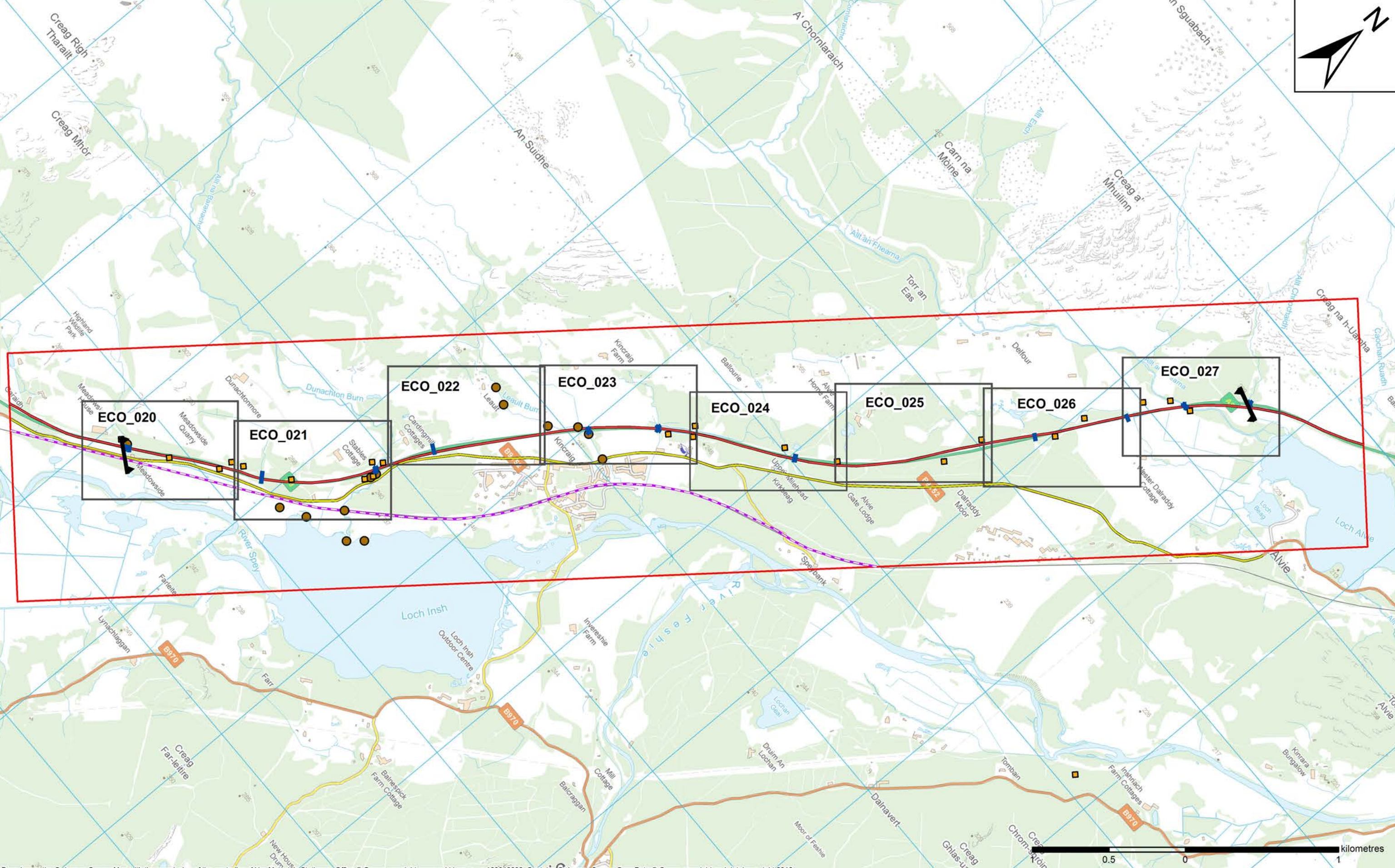
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Title
**FIGURE 7.18
MITIGATORY WOODLAND AREAS**

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- Study Area
- Existing A9
- B9152
- Railway
- Otter record (2006 survey)
- Mammal record from 2013 survey/consultation
- | Mitigation site

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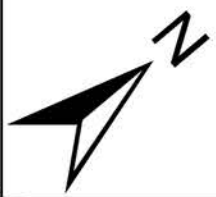
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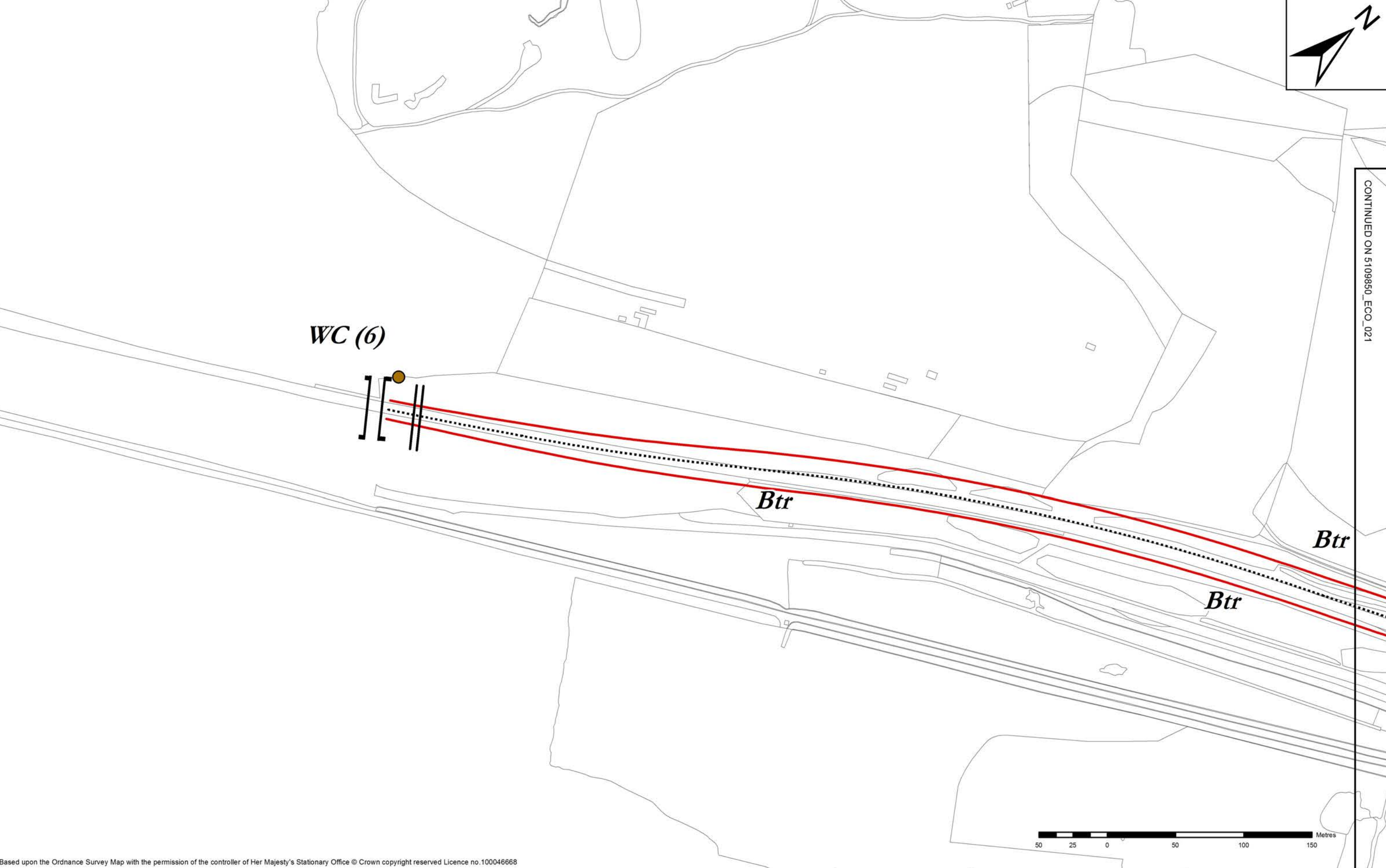
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FIGURE 7.19
SEQUENCE OF MAMMAL
RECORD AND MITIGATION MAPS

Sheet Size	Scale at A3	Date	Drawn by	Checked
A3	NTS	July 2013	JP	VL
Drawing number				Rev
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Mammal Records (S = survey D = data from consultation)

- Pm* Pine marten (S)
- Ot* Otter (S)
- Rd* Roe deer (S)
- Wc* () Wildcat (no. of records, D)

Mitigation

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)
-]] Retained underpass
- || Dry culvert

- ⌘ Watercourse crossings with mammal ledges and parallel underpass
- ⌘ Watercourse crossings with mammal ledges

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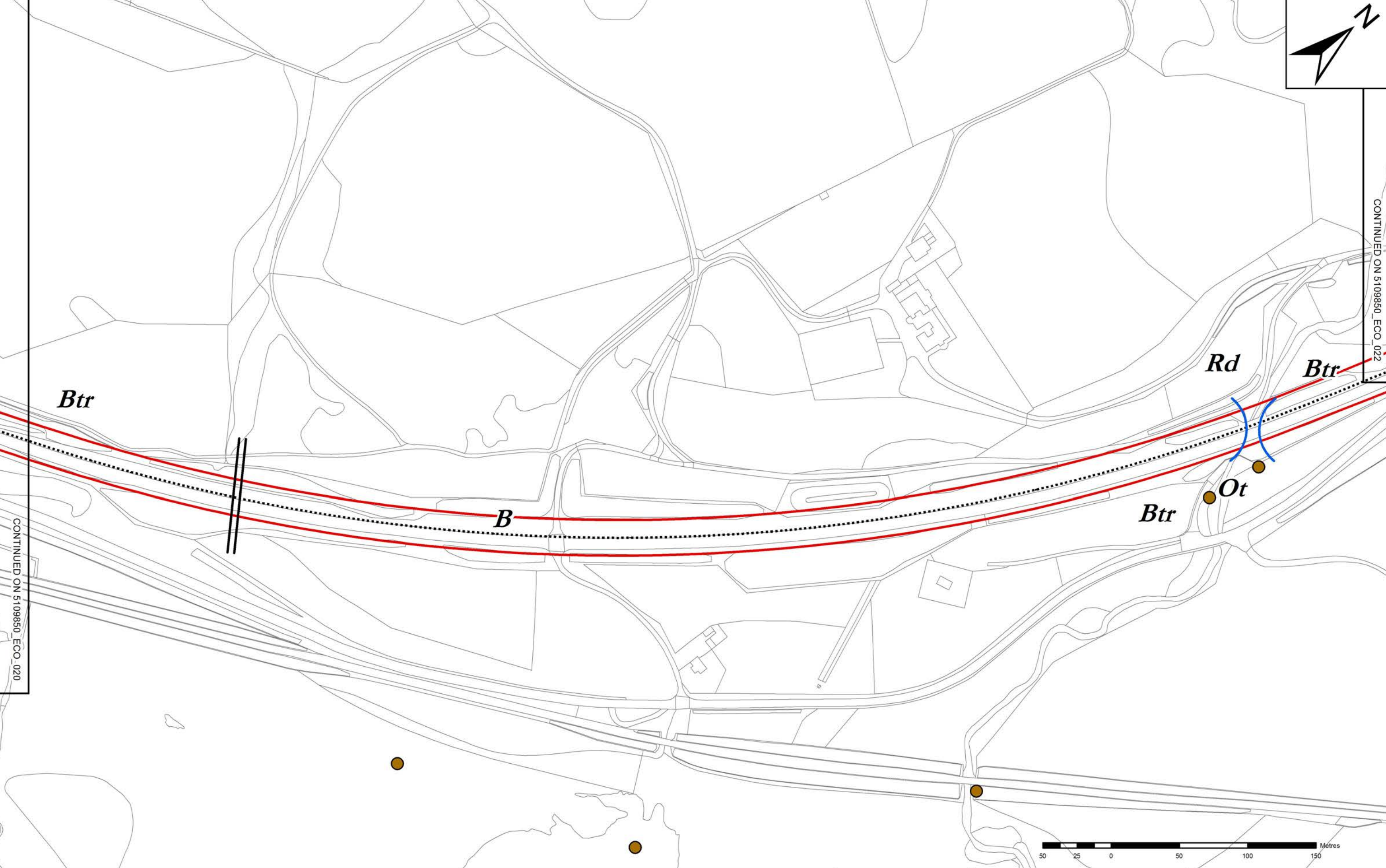
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FIGURE 7.20 MAMMAL RECORDS AND MITIGATION

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Mammal Records (S = survey D = data from consultation)

- Pm* Pine marten (S)
- Ot* Otter (S)
- Rd* Roe deer (S)
- Wc* () Wildcat (no. of records, D)

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)

Mitigation

- ⌋ Retained underpass
- || Dry culvert

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



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FIGURE 7.21 MAMMAL RECORDS AND MITIGATION

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Mammal Records (S = survey D = data from consultation)

- Pm* Pine marten (S)
- Ot* Otter (S)
- Rd* Roe deer (S)
- Wc* () Wildcat (no. of records, D)

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)

Mitigation

- ⌋ Retained underpass
- || Dry culvert

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

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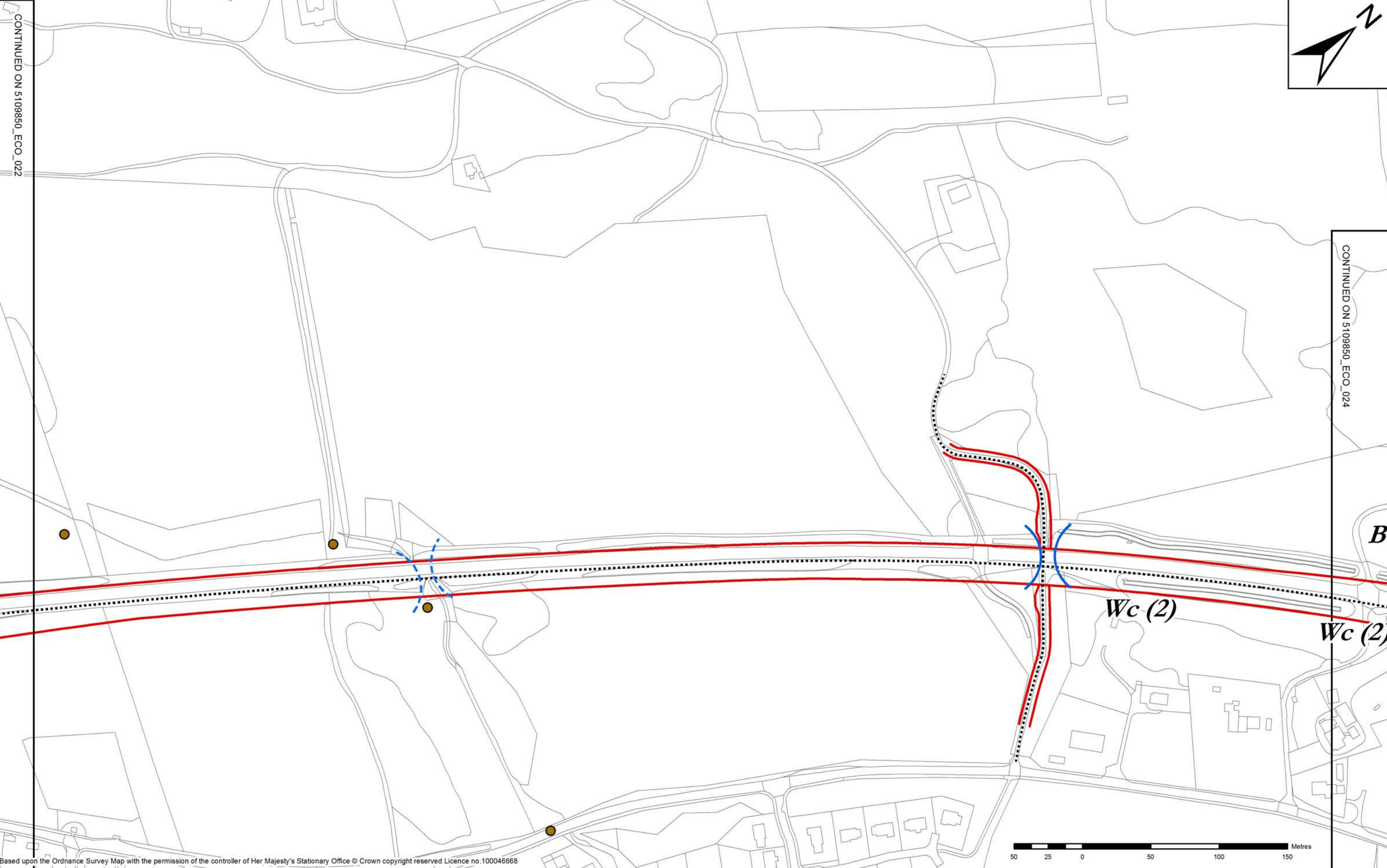
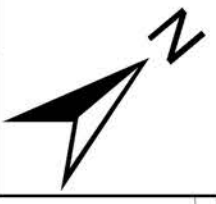
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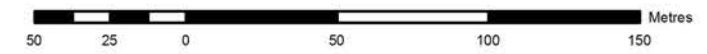
**FIGURE 7.22
MAMMAL RECORDS
AND MITIGATION**



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Mammal Records (S = survey D = data from consultation)

- Pm* Pine marten (S)
- Ot* Otter (S)
- Rd* Roe deer (S)
- Wc ()* Wildcat (no. of records, D)

Mitigation

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)

Mitigation

- ⌋ Retained underpass
- || Dry culvert

Mitigation

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

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FIGURE 7.23 MAMMAL RECORDS AND MITIGATION

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Mammal Records (S = survey D = data from consultation)

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- Rd* Roe deer (S)
- Wc ()* Wildcat (no. of records, D)

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)

Mitigation

- ⌋ Retained underpass
- || Dry culvert

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

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Kilninnis to Dalraddy

FIGURE 7.24 MAMMAL RECORDS AND MITIGATION

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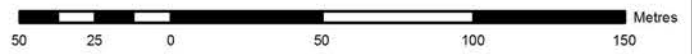
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Rd

Rd

Wc (2)

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- Rd* Roe deer (S)
- Wc ()* Wildcat (no. of records, D)

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)

Mitigation

- ⌋ Retained underpass
- || Dry culvert

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

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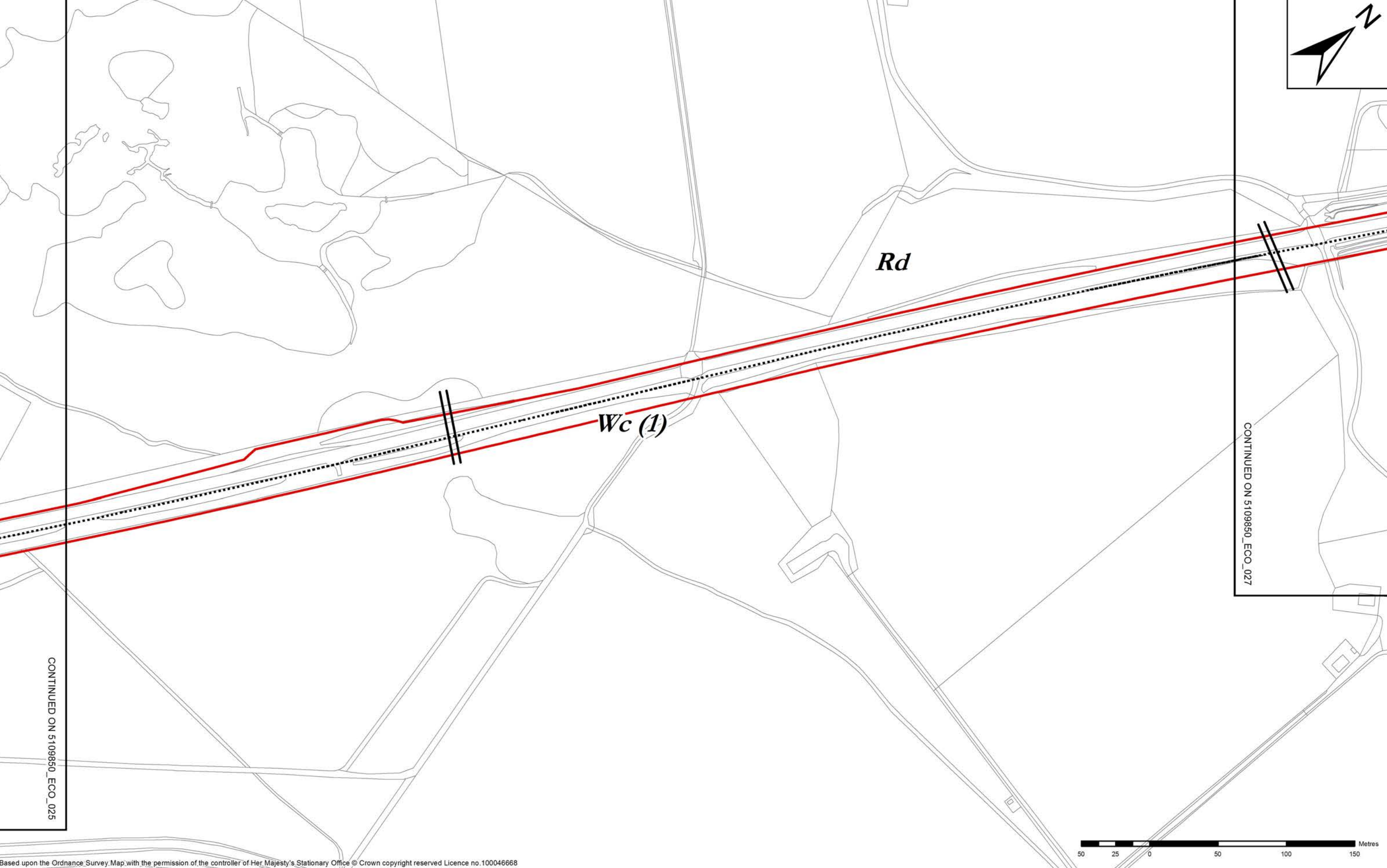
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FIGURE 7.25 MAMMAL RECORDS AND MITIGATION

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Mammal Records (S = survey D = data from consultation)

- Pm* Pine marten (S)
- Ot* Otter (S)
- Rd* Roe deer (S)
- Wc ()* Wildcat (no. of records, D)

Mitigation

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)
- ⌋ Retained underpass
- || Dry culvert

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

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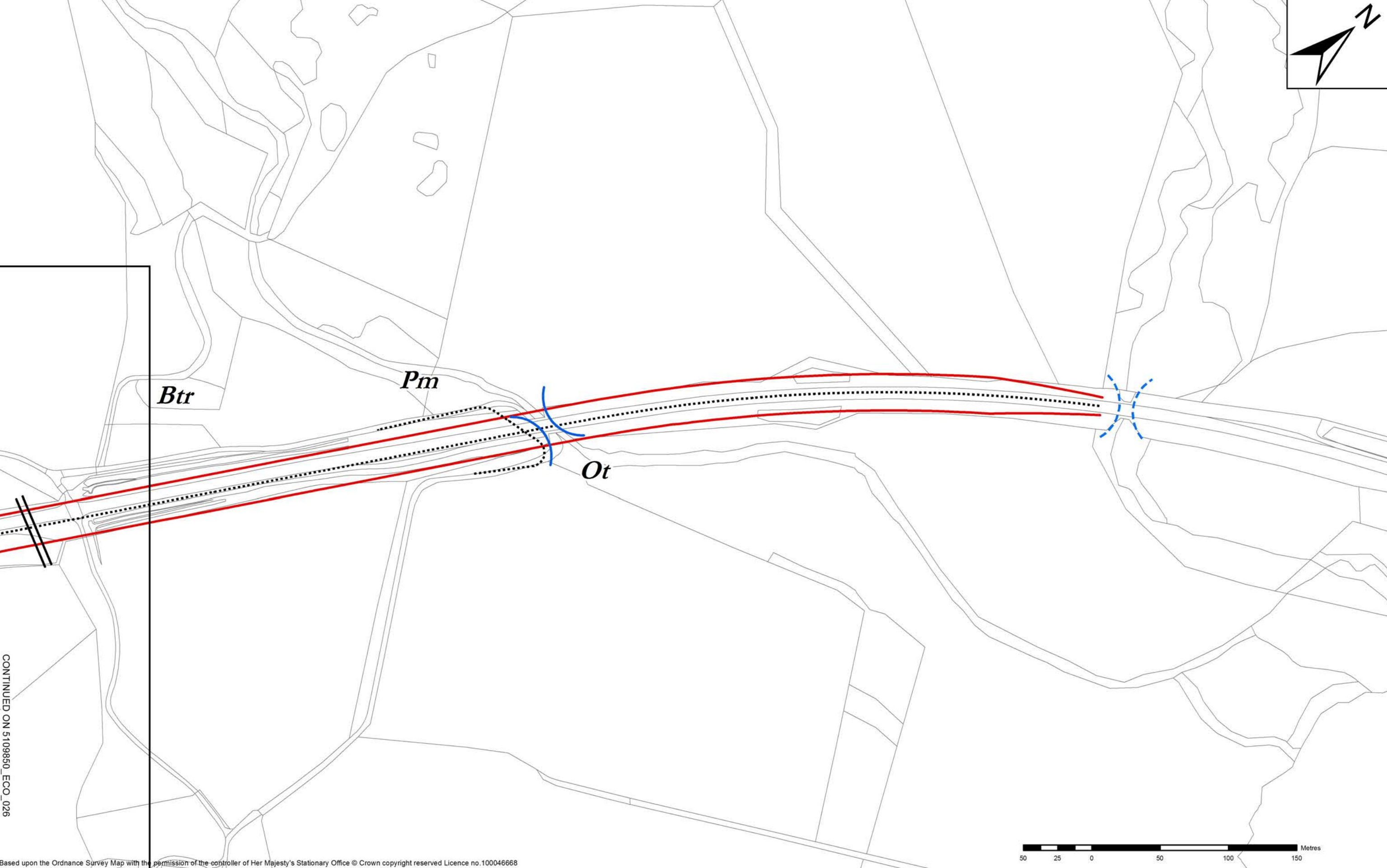
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FIGURE 7.26 MAMMAL RECORDS AND MITIGATION				
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Mammal Records (S = survey D = data from consultation)

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- Ot* Otter (S)
- Rd* Roe deer (S)
- Wc* () Wildcat (no. of records, D)

- Btr* Bats: potential tree roosts
- B* Badger: road kills only (D)
- Otter signs (2006 survey)

Mitigation

- ⌋ Retained underpass
- || Dry culvert

- ⌋ Watercourse crossings with mammal ledges and parallel underpass
- ⌋ Watercourse crossings with mammal ledges

NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK



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**FIGURE 7.27
MAMMAL RECORDS
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