



A9 Dualling Programme

SEA Environmental Report

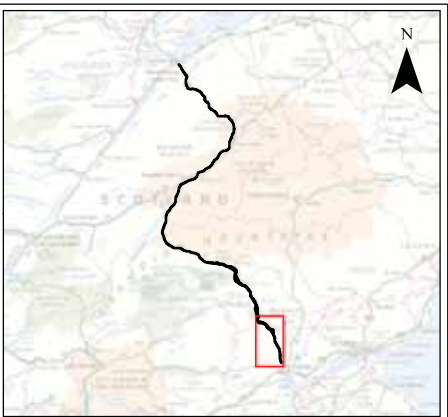
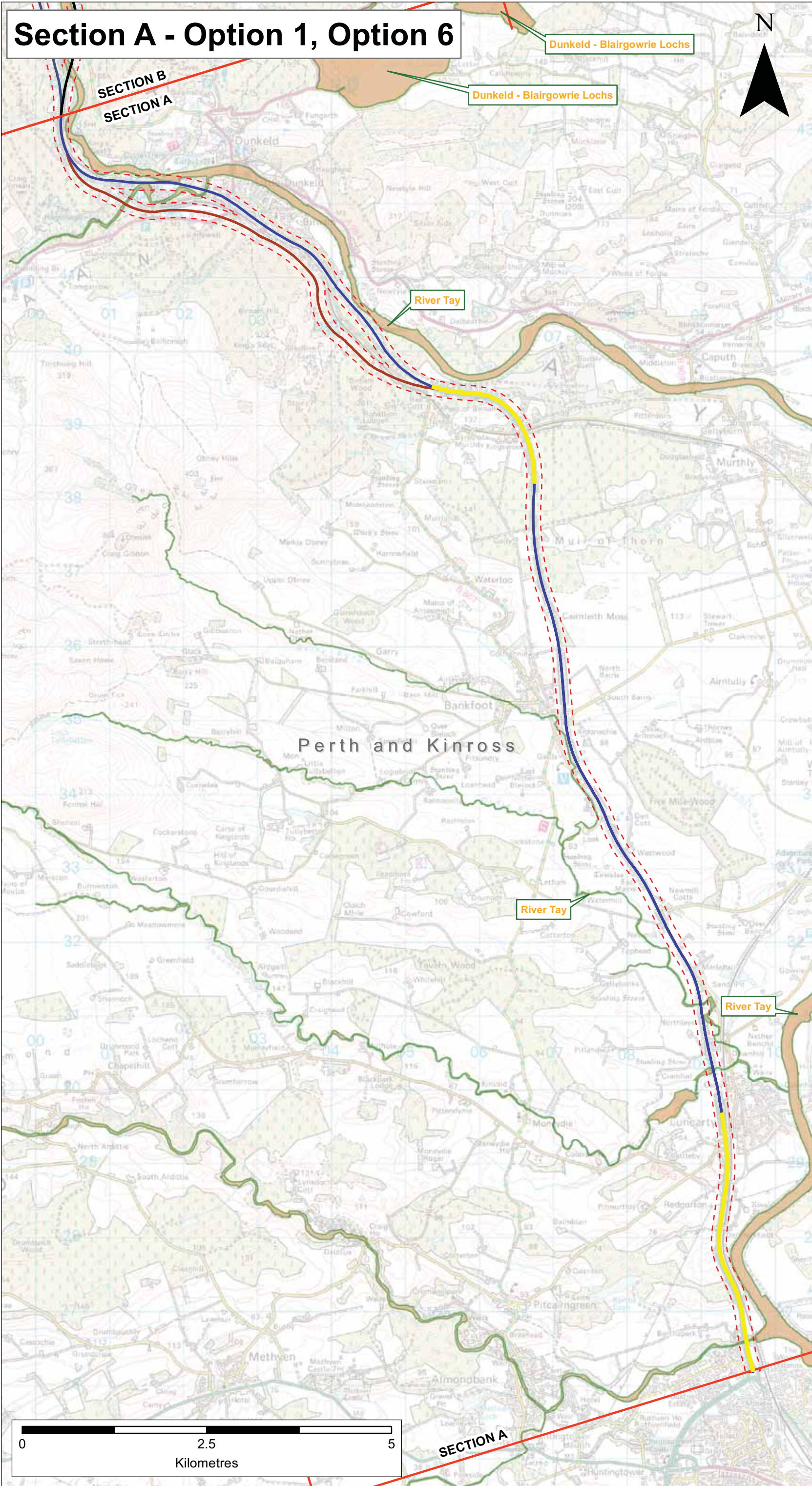
Appendix D1

GIS Constraint Mapping – A9 Section A

June 2013



Section A - Option 1, Option 6



Legend

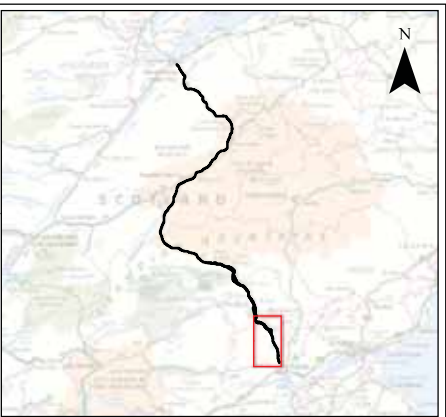
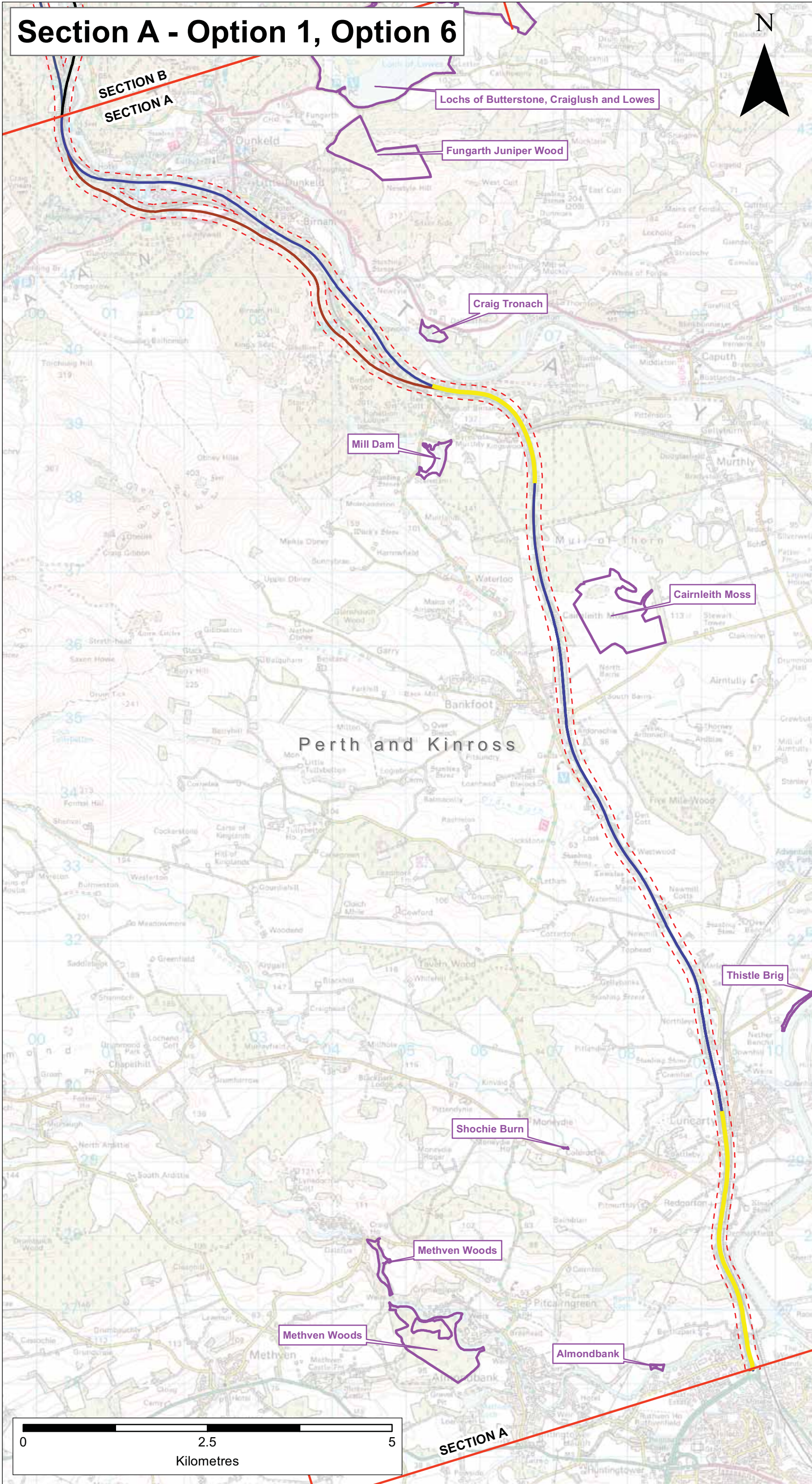
- SAC
- Dual Carriageway
- A9 200m Buffer
- A9 Section Breaks

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	24/04/2013	First Draft	TJH	ZM	JF
   Burdens Park, Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: A9 Biodiversity, Flora & Fauna - Natura and Ramsar Sites					
Drawn by: Tim Hughes			Date: 09/09/2013		
Checked by: Zahid Ma			Date: 09/09/2013		
Approved by: John Fox			Date: 09/09/2013		
Drawing No: TSSEA9/ER/A/001					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6

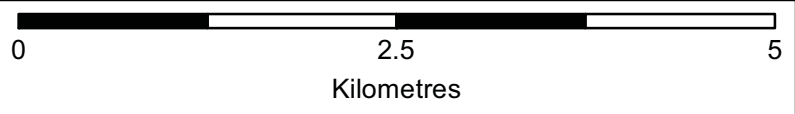


Legend

- SSSI
- Dual Carriageway
- A9 Section Breaks
- A9 200m Buffer

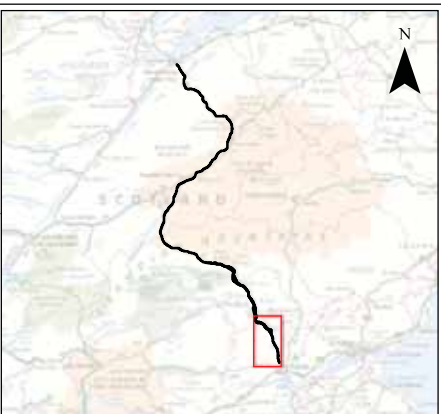
A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5



Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	24/04/2013	First Draft	TJH	ZM	JF
   Burdens Park, Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: A9 Biodiversity, Flora & Fauna - SSSI Sites and National Nature Reserves					
Drawn by: Tim Hughes			Date: 09/09/2013		
Checked by: Zahid Ma			Date: 09/09/2013		
Approved by: John Fox			Date: 09/09/2013		
Drawing No: TSSEA9/ER/A/002					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6



Legend

- Semi Natural Ancient Woodland
- Ancient Woodland
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

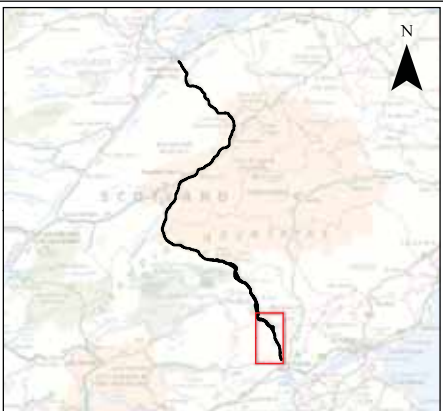
A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	24/04/2013	First Draft	TJH	ZM	JF
Burdens Park, Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: A9 Biodiversity, Flora & Fauna - Ancient Woodland and Semi-Natural Ancient Woodland					
Drawn by:	Tim Hughes	Date:	09/09/2013		
Checked by:	Zahid Ma	Date:	09/09/2013		
Approved by:	John Fox	Date:	09/09/2013		
Drawing No:	TSSEA9/ER/A/1003			Rev	A
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Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

Species

- European Otter
- Eurasian Red Squirrel
- Wildcat

- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

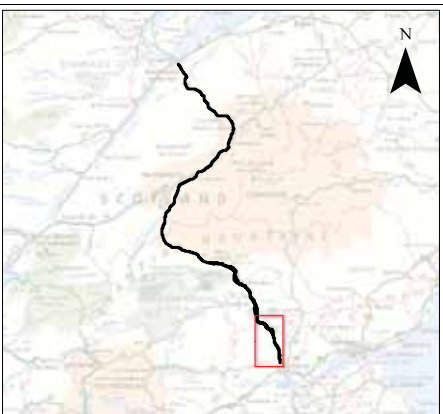
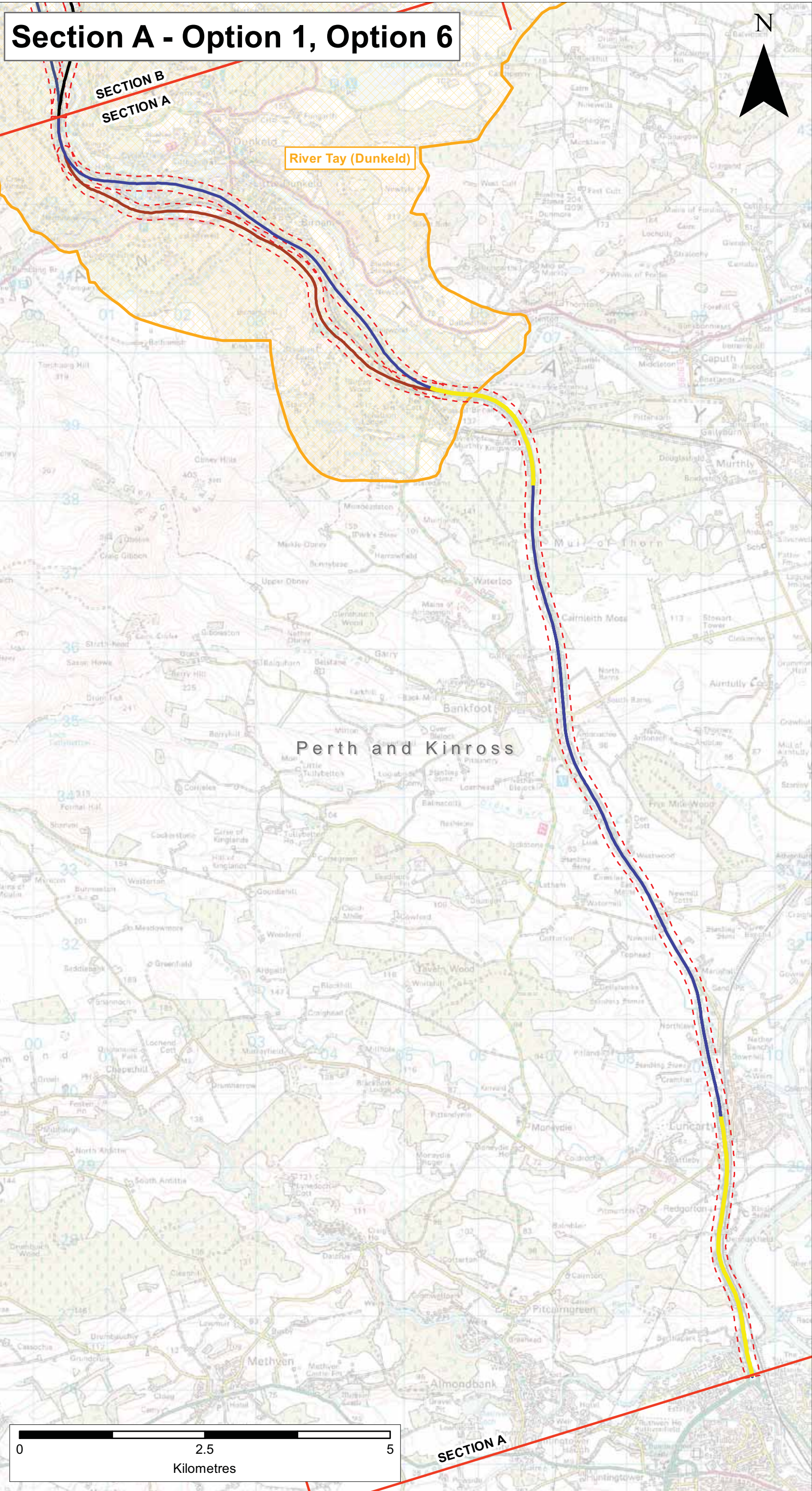
Perth and Kinross

SECTION A

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Kilometres

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	28/04/2013	First Draft	TJH	ZM	JF
Burdens Park Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: A9 Biodiversity, Flora & Fauna - National Biodiversity Network Species Data					
Drawn by: Tim Hughes			Date: 09/09/2013		
Checked by: Zahid Ma			Date: 09/09/2013		
Approved by: John Fox			Date: 09/09/2013		
Drawing No: TSSEA9/ER/A/004					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6



Legend

- National Scenic Area
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

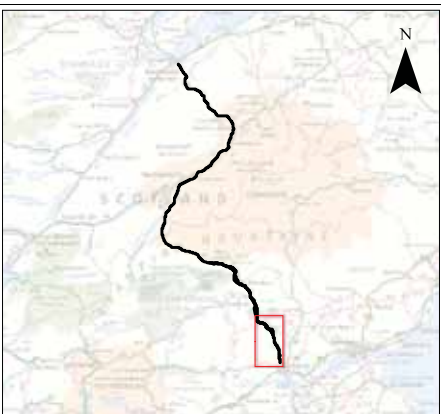
A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	29/04/2013	First Draft	TJH	ZM	JF
   Burdens Park, Swindon, SN4 0DD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Landscape - National Scenic Areas & Cairngorms National Park					
Drawn by: Tim Hughes			Date: 14/09/2013		
Checked by: Zahid Ma			Date: 14/09/2013		
Approved by: John Fox			Date: 14/09/2013		
Drawing No: TSSEA9/ER/A/005					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

Landscape Character Types

- Highland Glens
- Highland Summits & Plateaux
- Inland Loch
- Lowland Hills
- Lowland River Corridors
- Urban

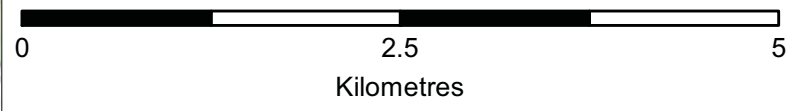
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Perth and Kinross

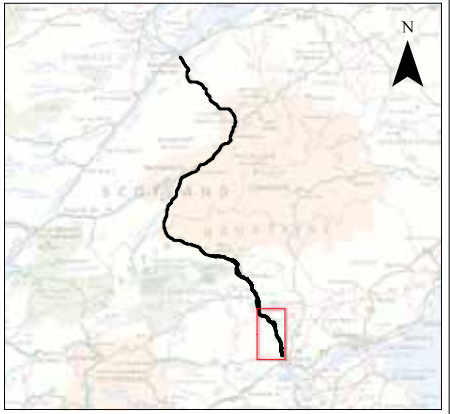
SECTION A



Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	29/04/2013	First Draft	TJH	ZM	JF
Burdens Park, Swindon, SN4 0OD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Landscape - Landscape Character Types					
Drawn by: Tim Hughes			Date - 14/09/2013		
Checked by: Zahid Ma			Date - 14/09/2013		
Approved by: John Fox			Date - 14/09/2013		
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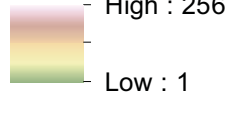
Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

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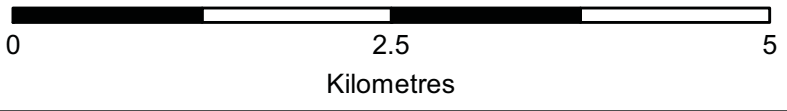


- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Perth and Kinross



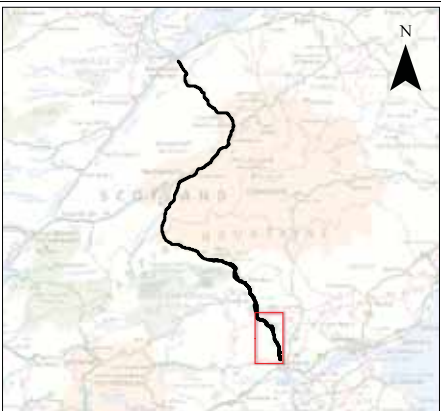
SECTION A

Data Source: SNH Wildness Composite Map

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	28/04/2013	First Draft	TJH	ZM	JF
Burdens Park, Swindon, SN4 0QD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Landscape - Wildness					
Drawn by: Tim Hughes			Date: 28/09/2013		
Checked by: Zahid Msa			Date: 28/09/2013		
Approved by: John Fox			Date: 28/09/2013		
Drawing No: TSSEA9\ER\A\007					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

Soil Type

Peat

Peaty podzols

A9 Section Breaks

Dual Carriageway

A9 200m Buffer

A9 Options

Section A Option 1

Section A Option 6

Section B Option 1

Section B Option 2

Section B Option 4

Section B Option 5

Perth and Kinross

SECTION A

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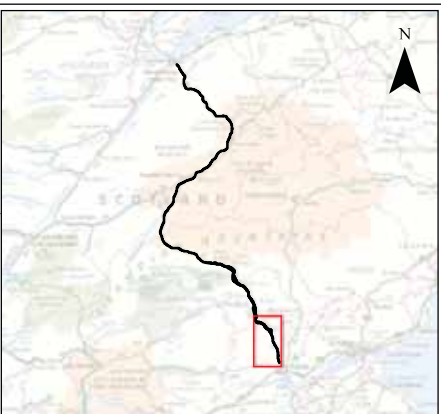
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Kilometres

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Burdens Park, Swindon, SN4 0DD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Soils and Water - Peat and Peaty Soil					
Drawn by: Tim Hughes			Date: 28/05/2013		
Checked by: Zahid M			Date: 28/05/2013		
Approved by: John Fox			Date: 28/05/2013		
Drawing No: TSSEA9\ER\A\008					Rev A
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Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

Wetland Types

- Fen
- Marshy Grassland
- Montane Grassland
- Non-Specific Wetland
- Other springs
- Other wet woodland
- Peat Bog
- Reedbed
- Seepage/flushes
- Swamp
- Wet Heath

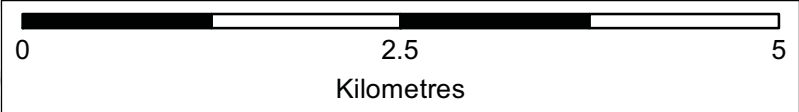
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Perth and Kinross

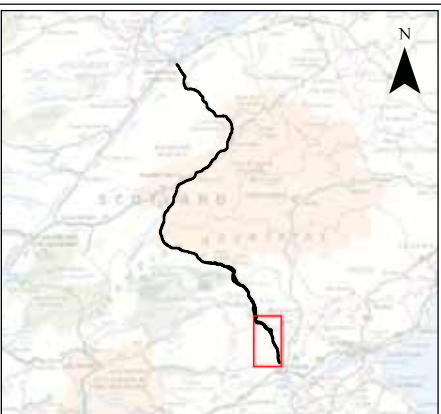
SECTION A



Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	28/04/2013	First Draft	TJH	ZM	JF
Burdens Park Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Soils and Water - Wetlands					
Drawn by:	Tim Hughes	Date:	09/09/2013		
Checked by:	Zahid Ma	Date:	09/09/2013		
Approved by:	John Fox	Date:	09/09/2013		
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Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

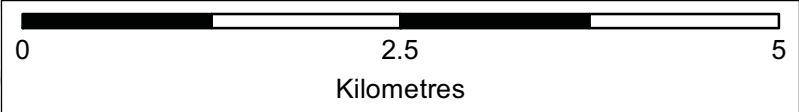
- 200yr Flood Risk Zone
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

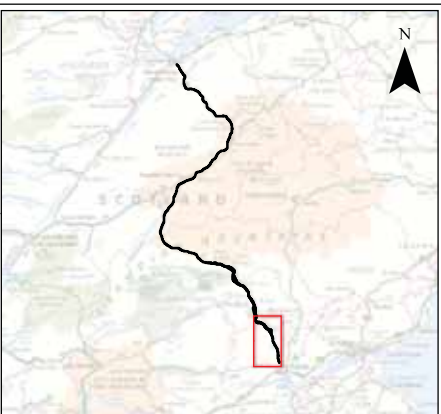
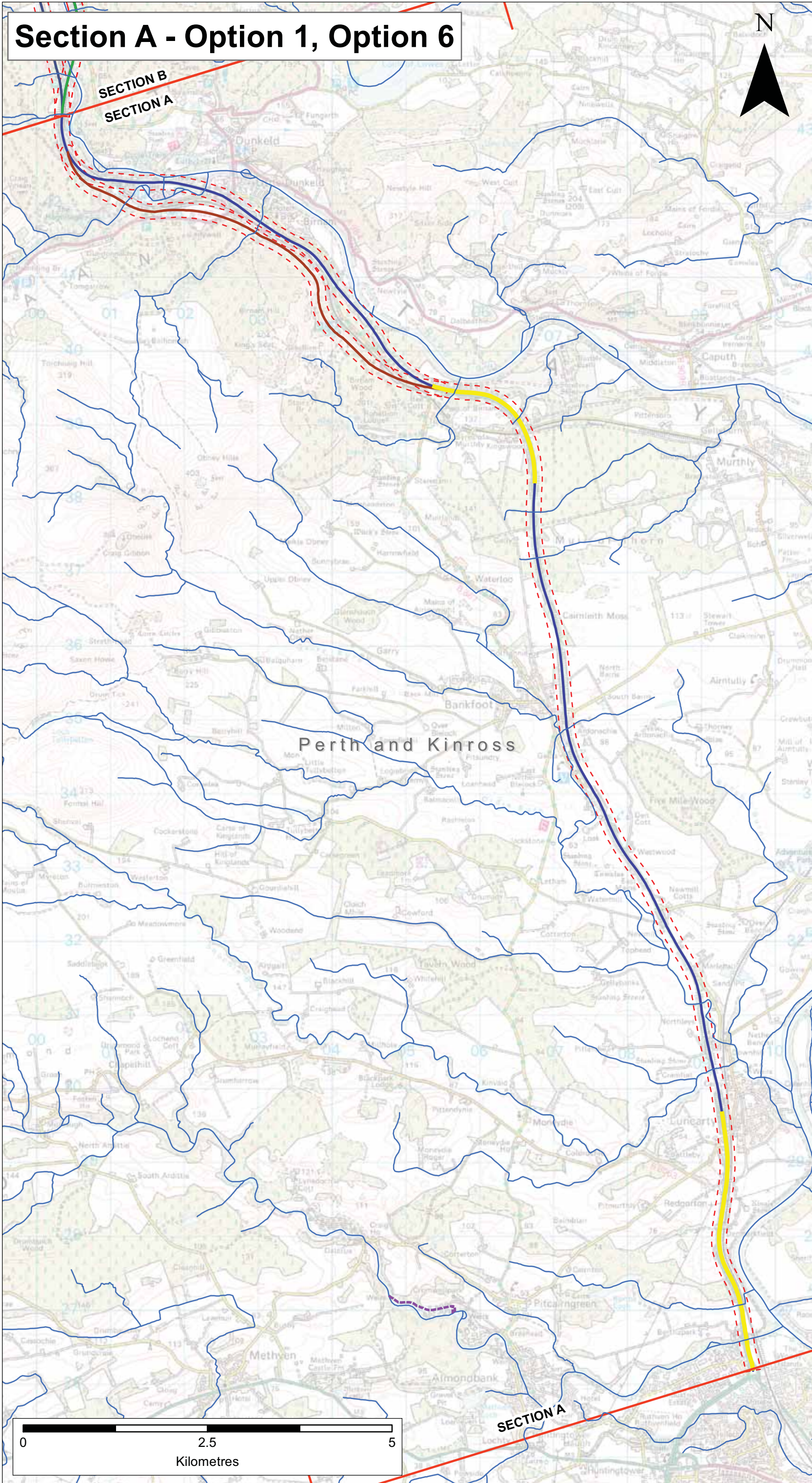
Perth and Kinross

SECTION A



Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
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Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Soils and Water - 200yr Flood Risk Zone					
Drawn by: Tim Hughes			Date: 03/09/2013		
Checked by: Zahid Ma			Date: 03/09/2013		
Approved by: John Fox			Date: 03/09/2013		
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Section A - Option 1, Option 6

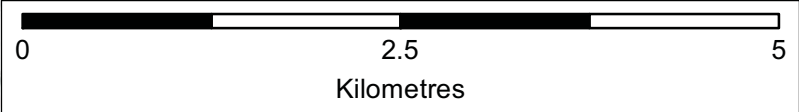


Legend

- Rivers
- Surface Pipes
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

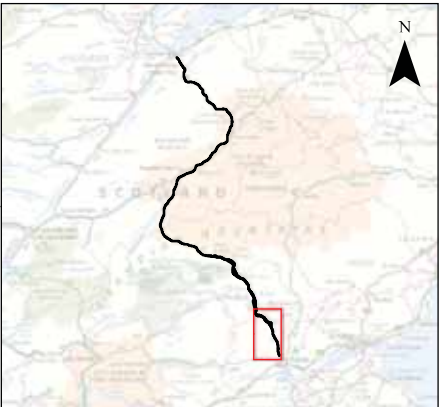
- Section A Option 1
- Section A Option 6
- Section B Option 1
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- Section B Option 5



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A	28/04/2013	First Draft	TJH	ZM	JF
Burrows Park, Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Soils and Water - Surface Watercourses					
Drawn by: Tim Hughes			Date: 10/09/2013		
Checked by: Zahid Ma			Date: 10/09/2013		
Approved by: John Fox			Date: 10/09/2013		
Drawing No: TSSEA9/ER/A/011					Rev A
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Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

Land Capability for Agriculture (Grade)

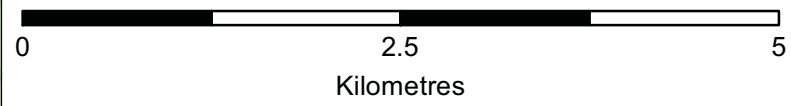
- Arable Agriculture (Grade 1-3.1)
- Mixed Agriculture (Grade 3.2-4.2)
- Improved Grassland (Grade 5.1-5.3)
- Rough Grazing (Grade 6.1-7)
- Water
- Urban
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

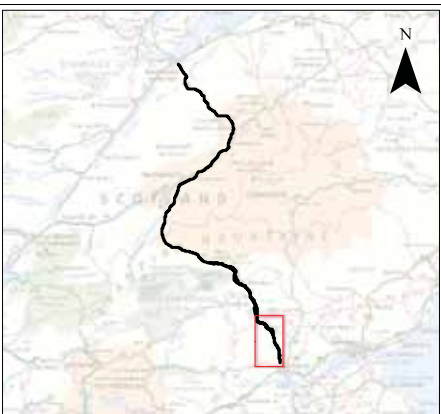
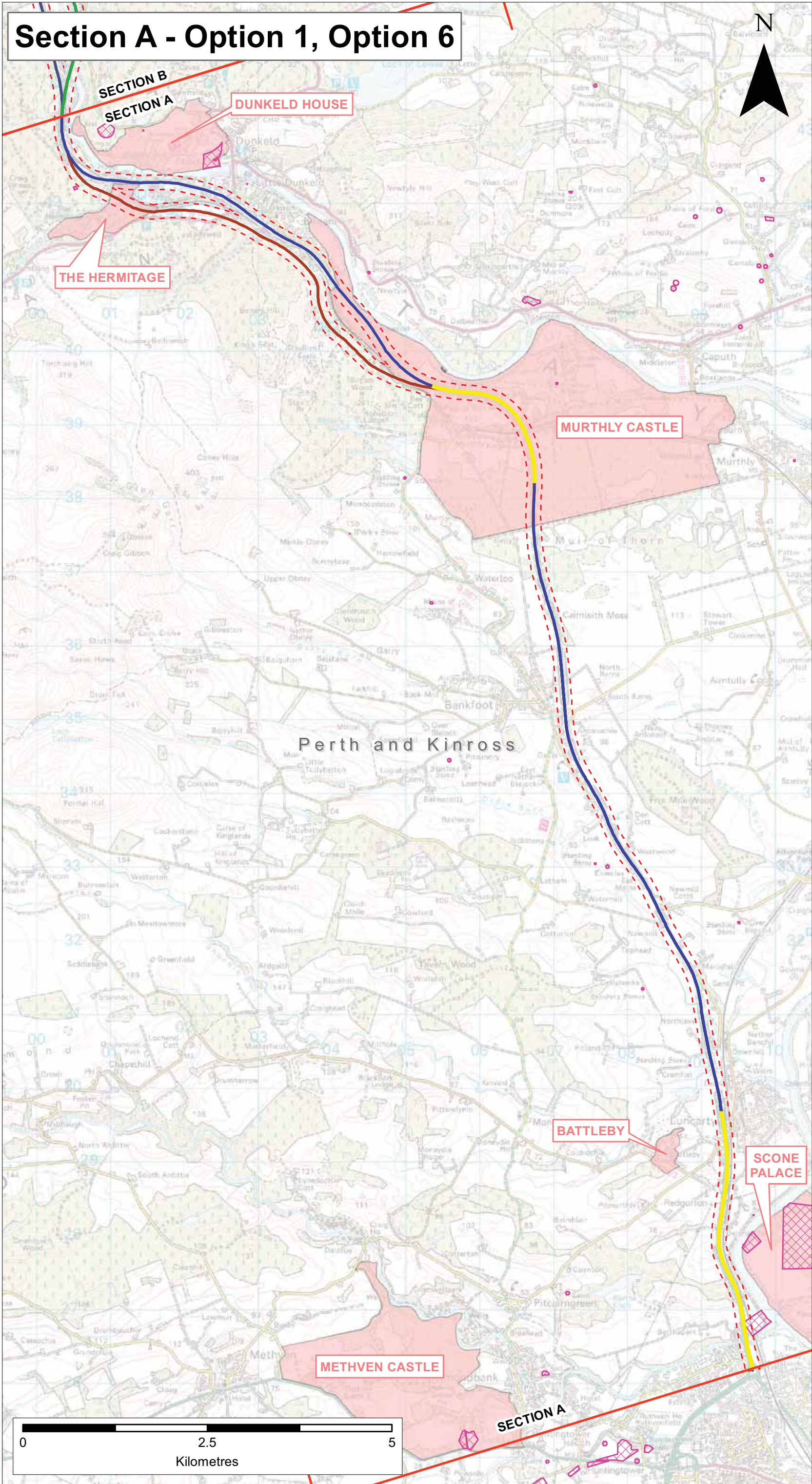
Perth and Kinross

SECTION A



Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	28/04/2013	First Draft	TJH	ZM	JF
Burdens Park, Swindon, SN4 0DD +44 (0)1793 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Soils and Water - Land Capability for Agriculture					
Drawn by: Tim Hughes			Date: 10/09/2013		
Checked by: Zahid Ma			Date: 10/09/2013		
Approved by: John Fox			Date: 10/09/2013		
Drawing No: TSSEA9/ER/A/012					Rev A
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Section A - Option 1, Option 6



Legend

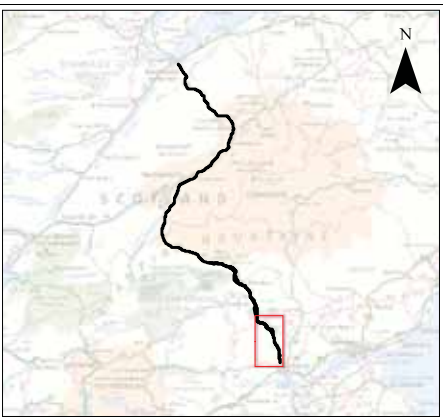
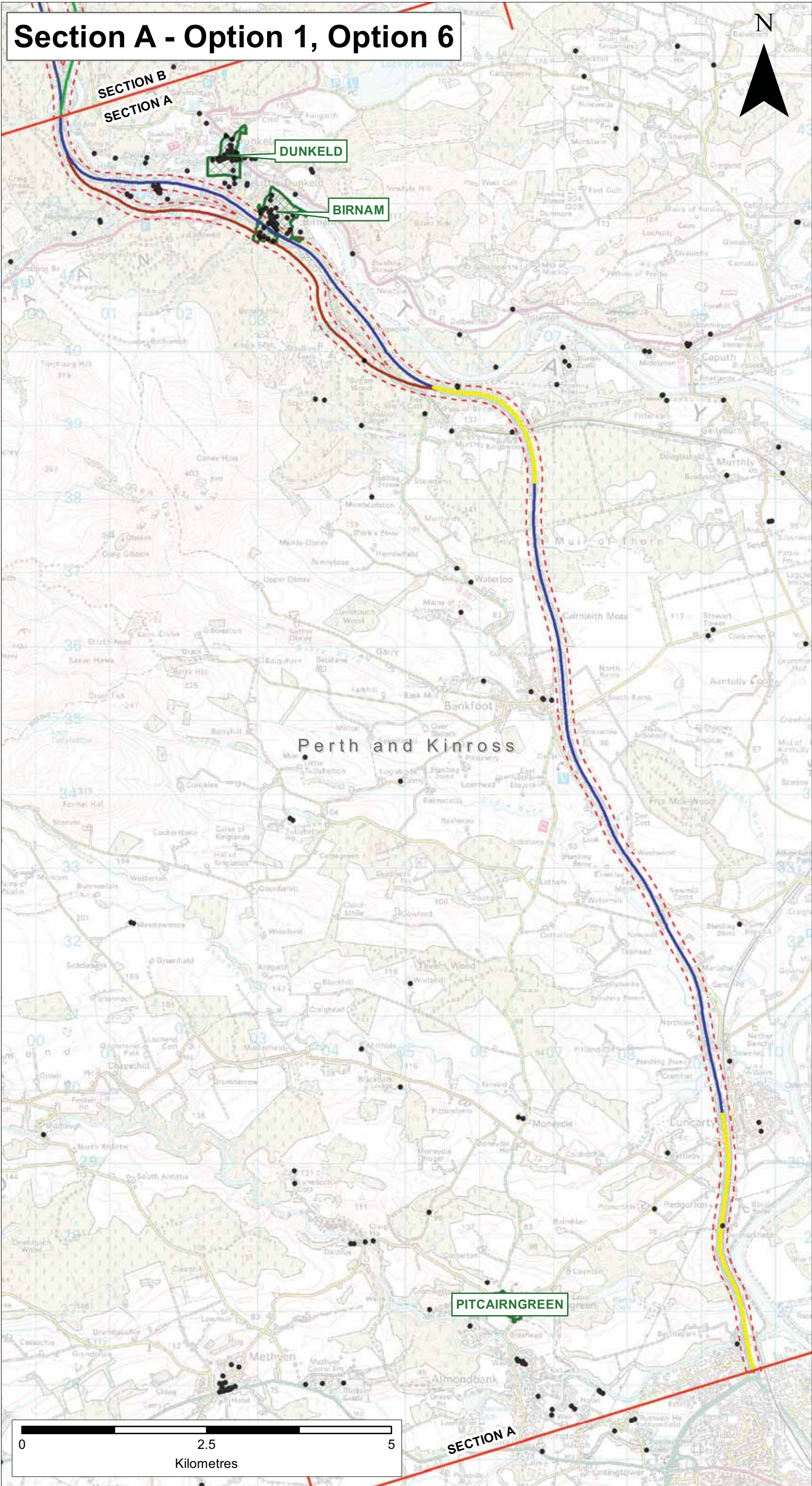
- Scheduled Monuments
- Gardens & Designed Landscapes
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	29/04/2013	First Draft	TJH	ZM	JF
Burdens Park, Swindon, SN4 0DD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Historic Environment - Scheduled Monuments, Battlefields, Gardens & Designed Landscapes					
Drawn by: Tim Hughes			Date: 14/09/2013		
Checked by: Zahid Ma			Date: 14/09/2013		
Approved by: John Fox			Date: 14/09/2013		
Drawing No: TSSEA9/ER/A/013					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6



Legend

- Listed Buildings
- Conservation Areas
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

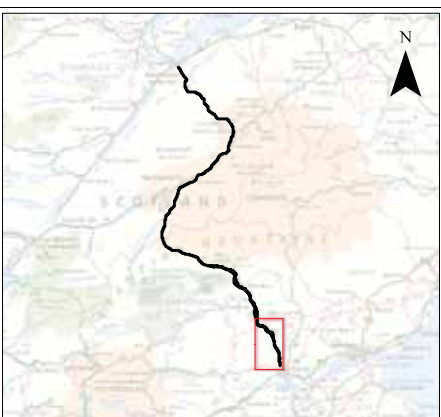
A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

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A	29/04/2013	First Draft	TJH	ZM	JF
Burdopp Park, Swindon, SN4 0DD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Historic Environment - Listed Buildings & Conservation Areas					
Drawn by: Tim Hughes			Date: 14/09/2013		
Checked by: Zahid Ma			Date: 14/09/2013		
Approved by: John Fox			Date: 14/09/2013		
Drawing No: TSSEA9/ER/A/014					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

Accident Severity

- Fatal
- Serious
- Slight
- A9 Section Breaks
- Dual Carriageway

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Perth and Kinross

SECTION A

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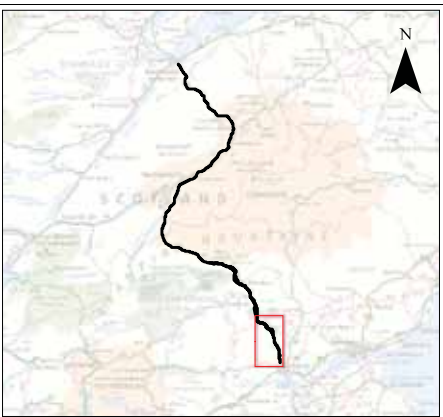
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Kilometres

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	29/04/2013	First Draft	TJH	ZM	JF
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Drawing: Population Human Health & Material Assets - Accident Locations (2001-2010 data)					
Drawn by:		Tim Hughes	Date - 14/09/2013		
Checked by:		Zahid Ma	Date - 14/09/2013		
Approved by:		John Fox	Date - 14/09/2013		
Drawing No: TSSEA9\ER\A\015					Rev A
Drawing scale:		1:50,000			

Section A - Option 1, Option 6

SECTION B
SECTION A



Legend

- Perth & Kinross Core Paths
- National Cycle Network Route 77

- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

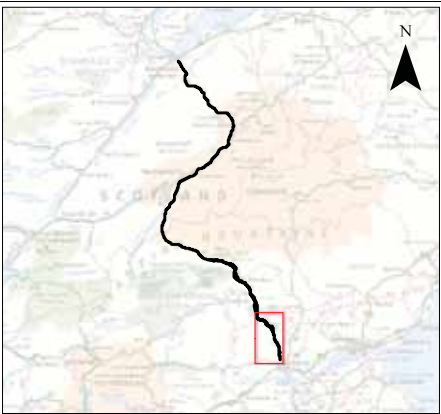
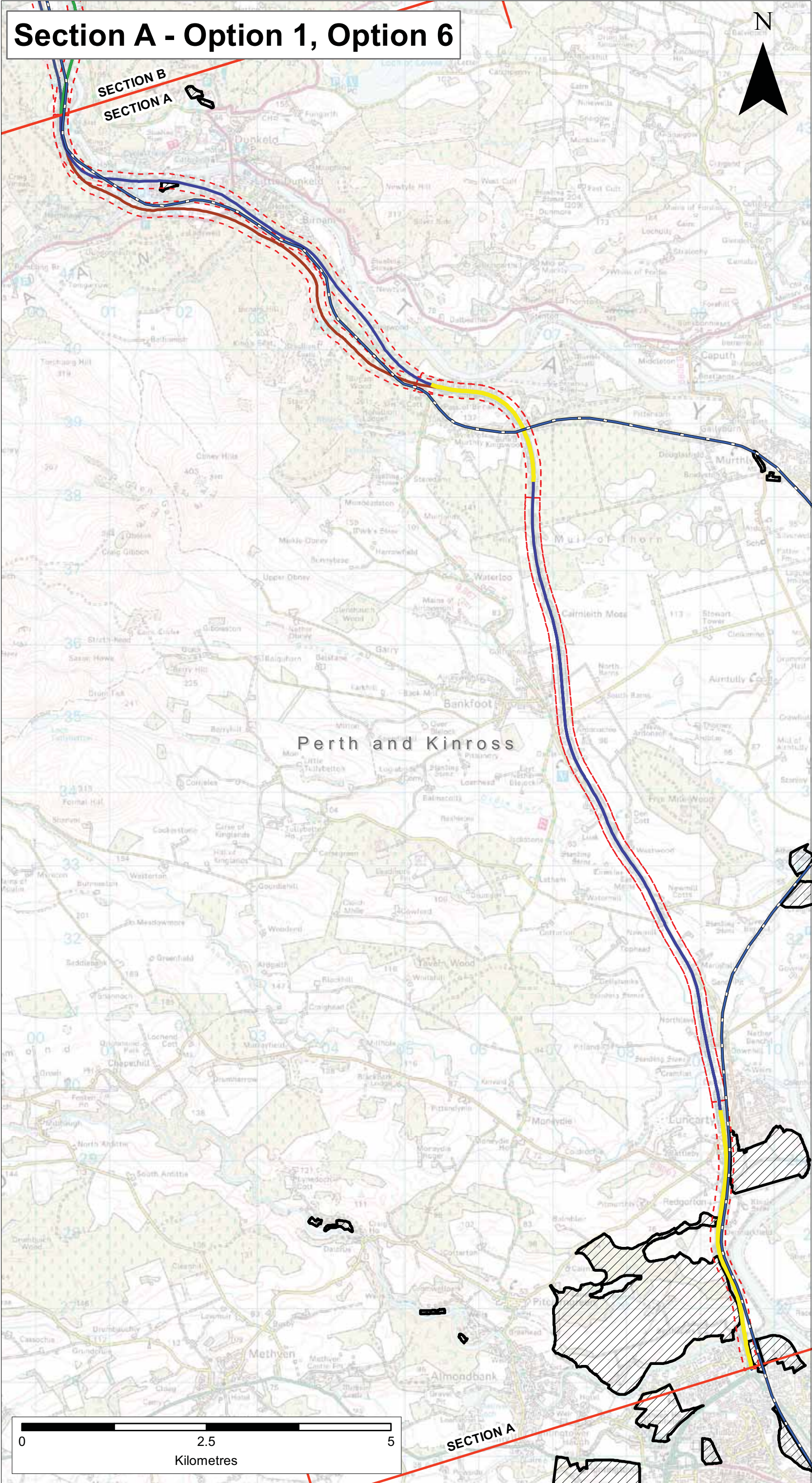
Perth and Kinross

SECTION A

0 2.5 5
Kilometres

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A	29/04/2013	First Draft	TJH	ZM	JF
Burdens Park, Swindon, SN4 0DD +44 (0)1753 812479					
Project: A9 Dualling Strategic Environmental Assessment					
Drawing: Population, Human Health & Material Assets - Core Paths and Cycle Routes					
Drawn by: Tim Hughes			Date: 14/09/2013		
Checked by: Zahid Ma			Date: 14/09/2013		
Approved by: John Fox			Date: 14/09/2013		
Drawing No: TSSEA9/ER/A/016					Rev A
Drawing scale: 1:50,000					

Section A - Option 1, Option 6



Legend

- Highland Mainline Railway
- Perth & Kinross LDP Proposals
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

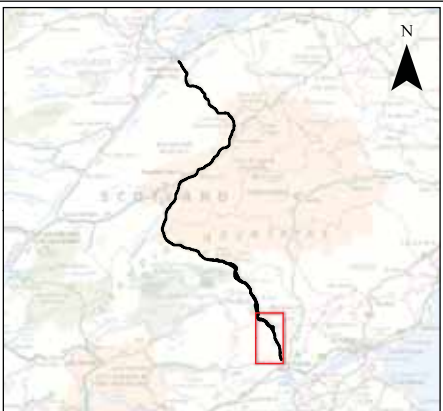
- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
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- Section B Option 5

Rev	Rev date	Purpose of revision	Drawn	Checked	Appr'd
A	29/04/2013	First Draft	TJH	ZM	JF
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Section A - Option 1, Option 6

SECTION B
SECTION A

Craig a Barns



Legend

- Geological Conservation Review Sites
- A9 Section Breaks
- Dual Carriageway
- A9 200m Buffer

A9 Options

- Section A Option 1
- Section A Option 6
- Section B Option 1
- Section B Option 2
- Section B Option 4
- Section B Option 5

Perth and Kinross

SECTION A

0 2.5 5
Kilometres

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