



MetroWest+

Portishead Branch Line (MetroWest Phase 1)

TR040011

Applicant: North Somerset District Council

6.24, Environmental Statement, Volume 3, Ecology and Biodiversity Figures 9.1, 9.2, 9.3 and 9.4

**The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, regulation 5(2)(a)
Planning Act 2008**

Author: CH2M

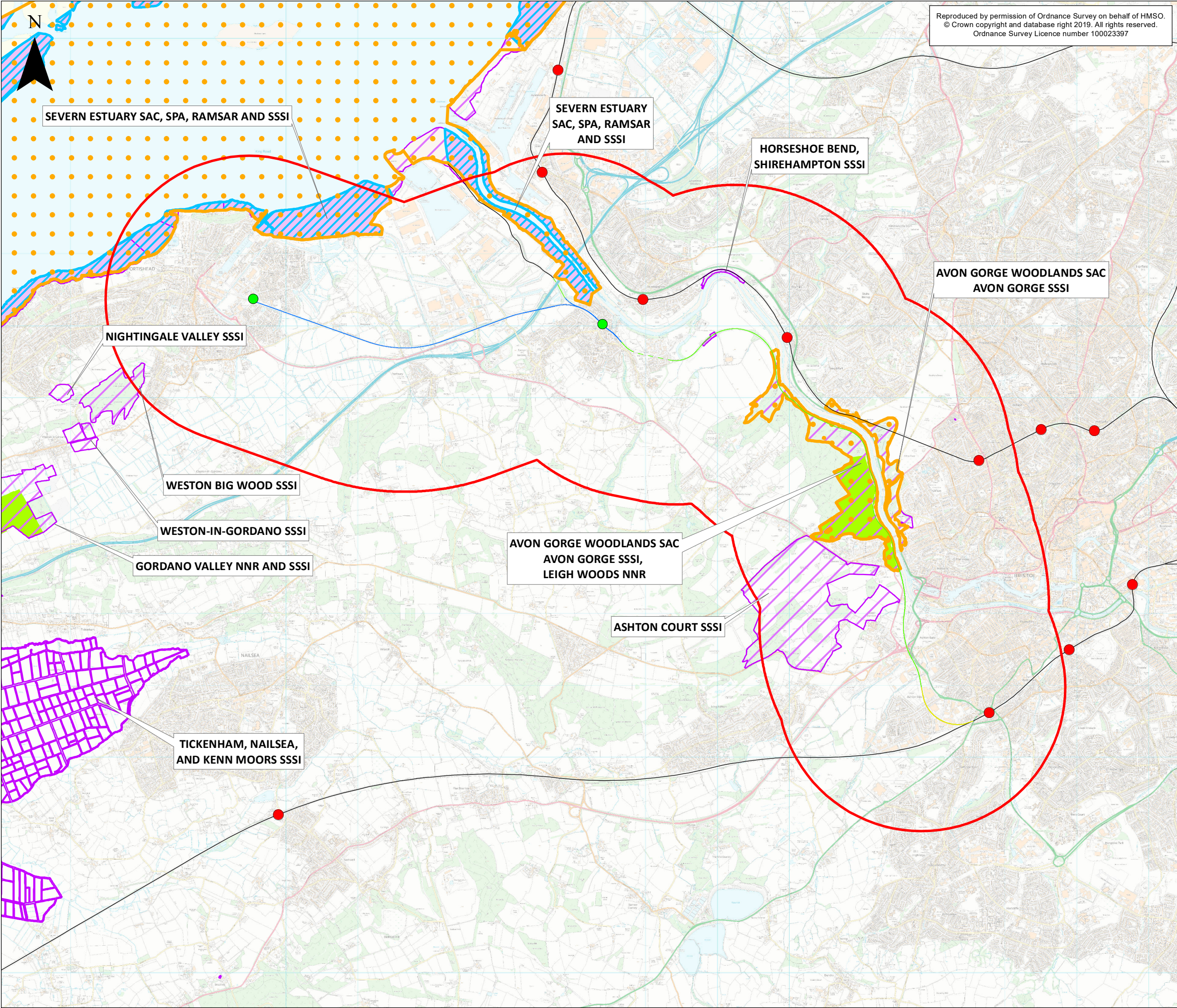
Revision: Version 2

Date: ~~November 2019~~ March 2021

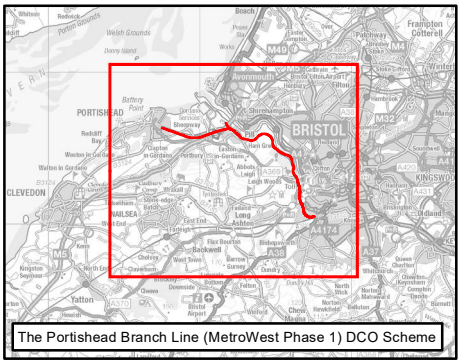


Document Index

<u>Version</u>	<u>Date</u>	<u>Status</u>	<u>Figure No. and Title</u>	<u>Document Index</u>	<u>Document Revision</u>	<u>Changes</u>
<u>1</u>	<u>13 November 2019</u>	<u>Application</u>	<u>9.1 Internationally Designated Sites</u>	<u>674946-001-011-A</u>	<u>ES-A</u>	<u>N/A</u>
			<u>9.2 Statutory Designated Sites</u>	<u>674946-001-012-A</u>	<u>ES-A</u>	<u>N/A</u>
			<u>9.3 Non-Statutory Designated Sites and Ancient Woodland</u>	<u>674946-001-013-A</u>	<u>ES-A</u>	<u>N/A</u>
			<u>9.4 Fauna Surveys</u>	<u>674946-001-014-A</u>	<u>ES-A</u>	<u>N/A</u>
<u>2</u>	<u>12 March 2021</u>	<u>Revised design</u>	<u>9.1 Internationally Designated Sites</u>	<u>674946-001-011-A</u>	<u>ES-A</u>	<u>None</u>
			<u>9.2 Statutory Designated Sites</u>	<u>674946-001-012-A</u>	<u>ES-A</u>	<u>None</u>
			<u>9.3 Non-Statutory Designated Sites and Ancient Woodland</u>	<u>674946-001-013-A</u>	<u>ES-B</u>	<u>Sheet 2 of 5: Update Order limits,</u>
			<u>9.4 Fauna Surveys</u>	<u>674946-001-014-A</u>	<u>ES-B</u>	<u>Sheets 3 and 4, of 11: Update Order limits,</u>



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KEY

Existing Railway

- Existing Railway Line
- Existing Railway Station

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works
- The Associated Development
- Section in Tunnel
- New Station

Other Works

- Network Rail Permitted Development Rights

Designated Sites

- Special Area of Conservation
- Special Protection Area (SPA)
- Ramsar
- Site of Special Scientific Interest (SSSI)
- National Nature Reserves (NNR)



Rev	By	Chkd	Apprvd	Date	Description
ES-A	MPC	CW	CF	28/10/2019	First draft

Client

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Project :

Portishead Branch Line
(MetroWest Phase 1)

Drawing :

Figure 9.2
Statutory Designated Sites
APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 28/10/2019

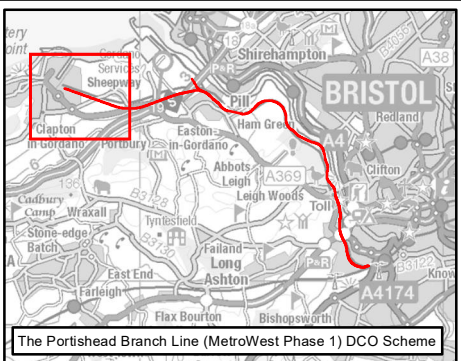
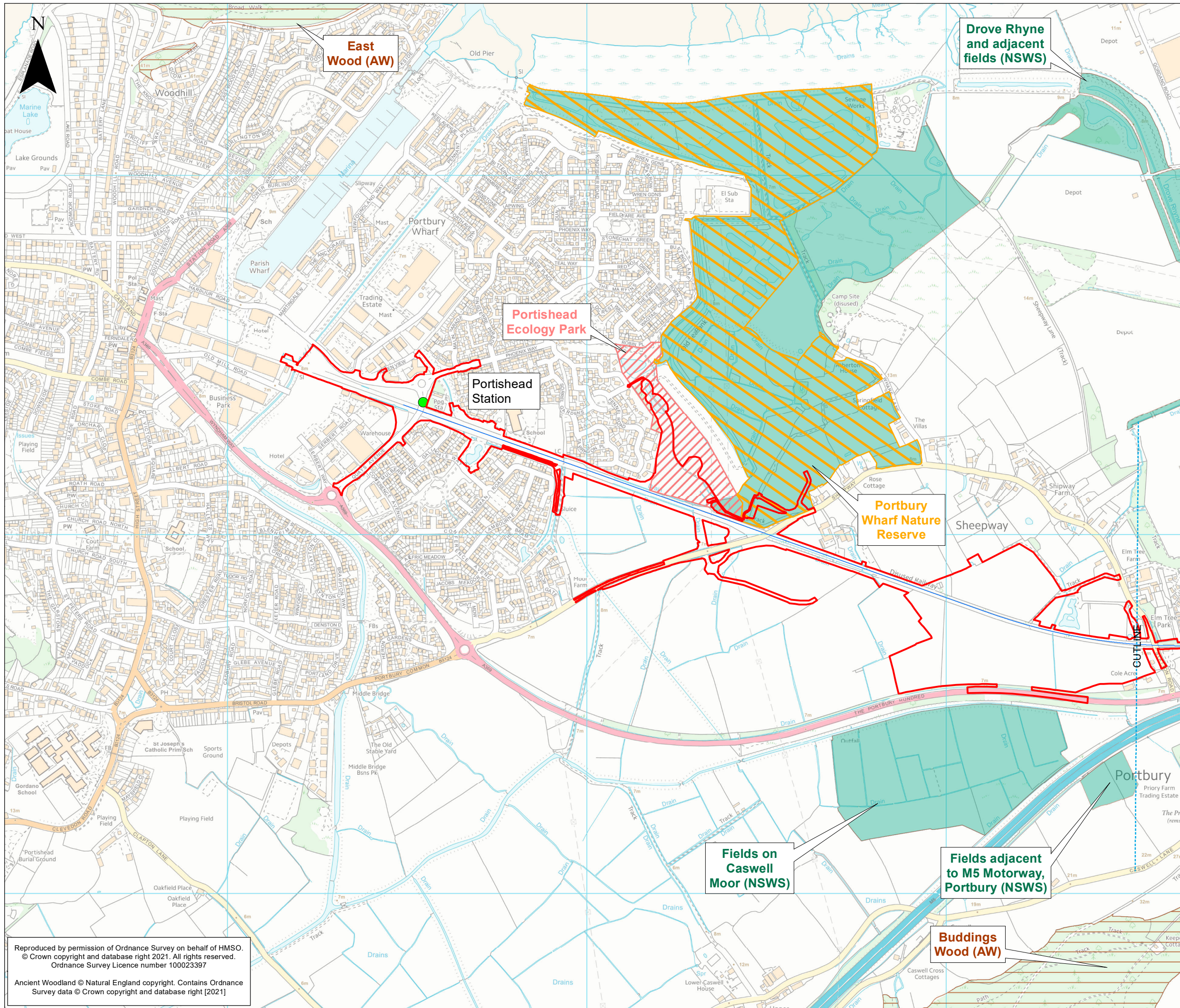
Checked By : Claire Williams Date: 28/10/2019

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674946 -001-012-A

Revision
ES-A

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KEY

Order Limits

Existing Railway

Existing Railway Station

Portishead Branch Line

The Nationally Significant Infrastructure Project (NSIP) Works

The Associated Development Works

Section in Tunnel

New Station

Other Works

Network Rail Permitted Development Rights

Non-statutory Wildlife Sites

Avon Wildlife Trust (AWT)

Bristol Wildlife Network Site (BWNS)

Portishead Ecology Park

North Somerset Wildlife Site (NSWS)

Parish Council Site

Portbury Wharf Nature Reserve

Site of Nature Conservation Interest (SNCI)

Ancient Woodland

Ancient Woodland - Natural England Inventory (AW)

0 250 500 Metres

ES-B	MPC	CW	CF	04/03/2021	Revised Order Limits
ES-A	MPC	CW	CF	28/10/2019	First draft
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Drawing: Figure 9.3: Non-Statutory wildlife sites and Ancient Woodland
Sheet 1 of 5 - Portishead to Portbury
APFP Regulation 5(2)(a)

Drawn By: Martin Costello Date: 04/03/2021

Checked By: Clare Williams Date: 04/03/2021

Approved By: Carolyn Francis Date: 04/03/2021

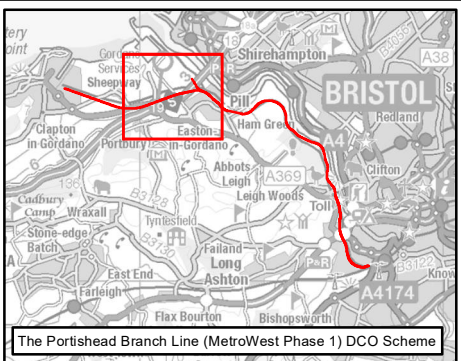
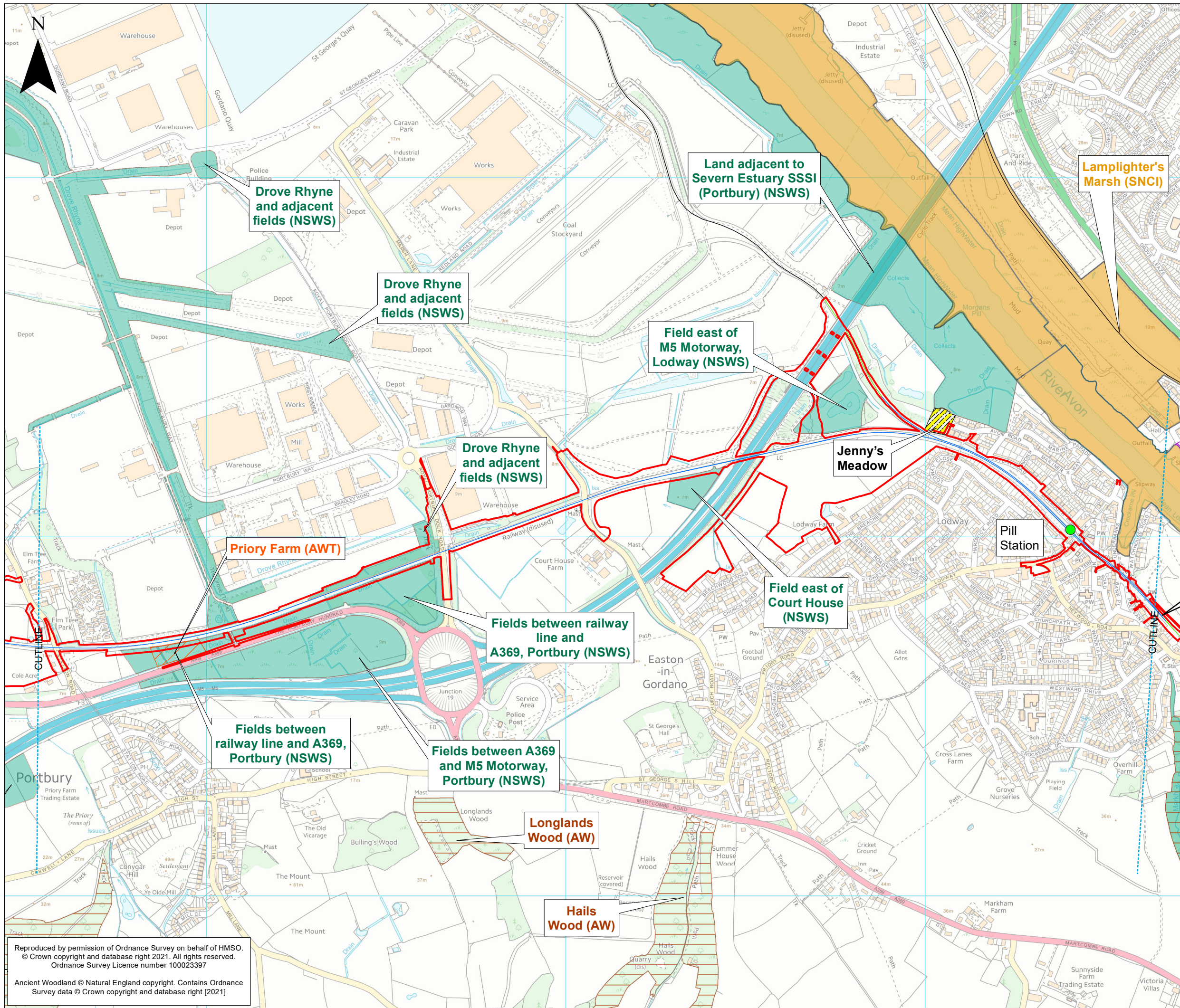
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- Network Rail Permitted Development Rights
- Non-statutory Wildlife Sites
- Avon Wildlife Trust (AWT)
- Bristol Wildlife Network Site (BWNS)
- Portishead Ecology Park
- North Somerset Wildlife Site (NSWS)
- Parish Council Site
- Portbury Wharf Nature Reserve
- Site of Nature Conservation Interest (SNCI)
- Ancient Woodland
- Ancient Woodland - Natural England Inventory (AW)



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Drawing: Figure 9.3: Non-Statutory wildlife sites and Ancient Woodland
Sheet 2 of 5 - Portbury to Pill
APFP Regulation 5(2)(a)

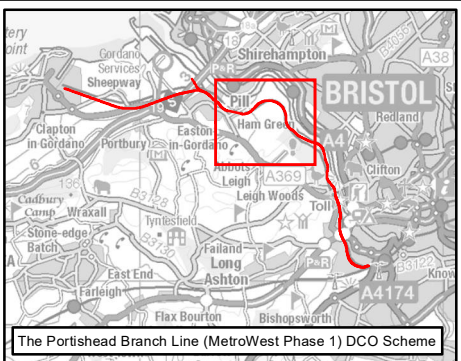
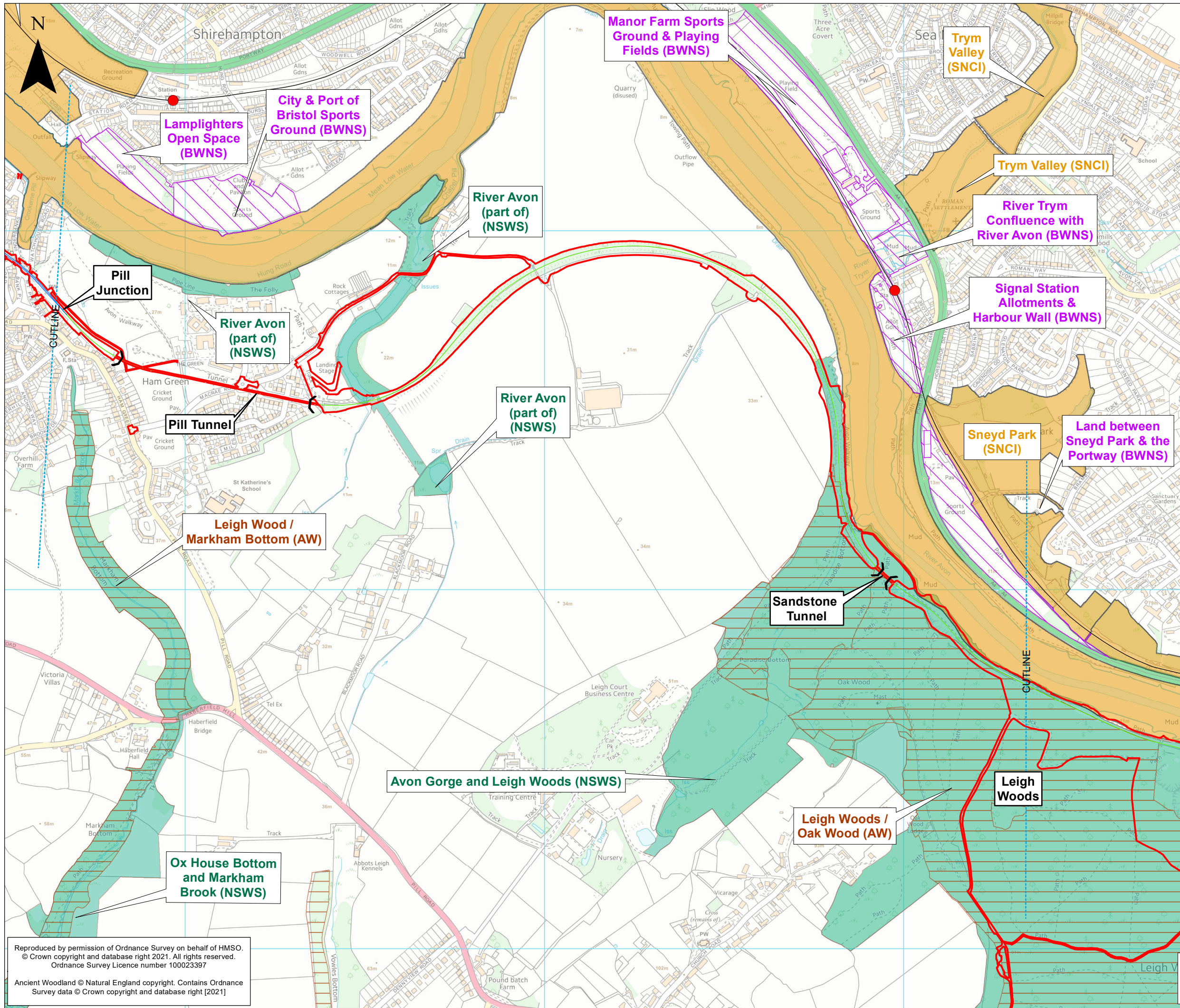
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Existing Railway

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Portishead Ecology Park

North Somerset Wildlife Site (NSWS)

Parish Council Site

Portbury Wharf Nature Reserve

Site of Nature Conservation Interest (SNCI)

Ancient Woodland

Ancient Woodland - Natural England Inventory (AW)

0 250 500

Metres

ES-B MPC CW CF 04/03/2021 Revised Order Limits

ES-A MPC CW CF 28/10/2019 First draft

Rev By Chkd Apprvd Date Description

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Drawing: Figure 9.3: Non-Statutory wildlife sites and Ancient Woodland

Sheet 3 of 5 - Pill to Leigh Woods

APFP Regulation 5(2)(a)

Drawn By: Martin Costello Date: 04/03/2021

Checked By: Clare Williams Date: 04/03/2021

Approved By: Carolyn Francis Date: 04/03/2021

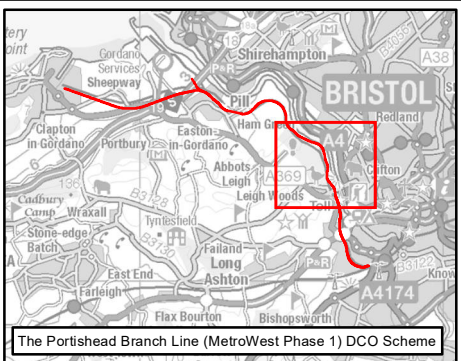
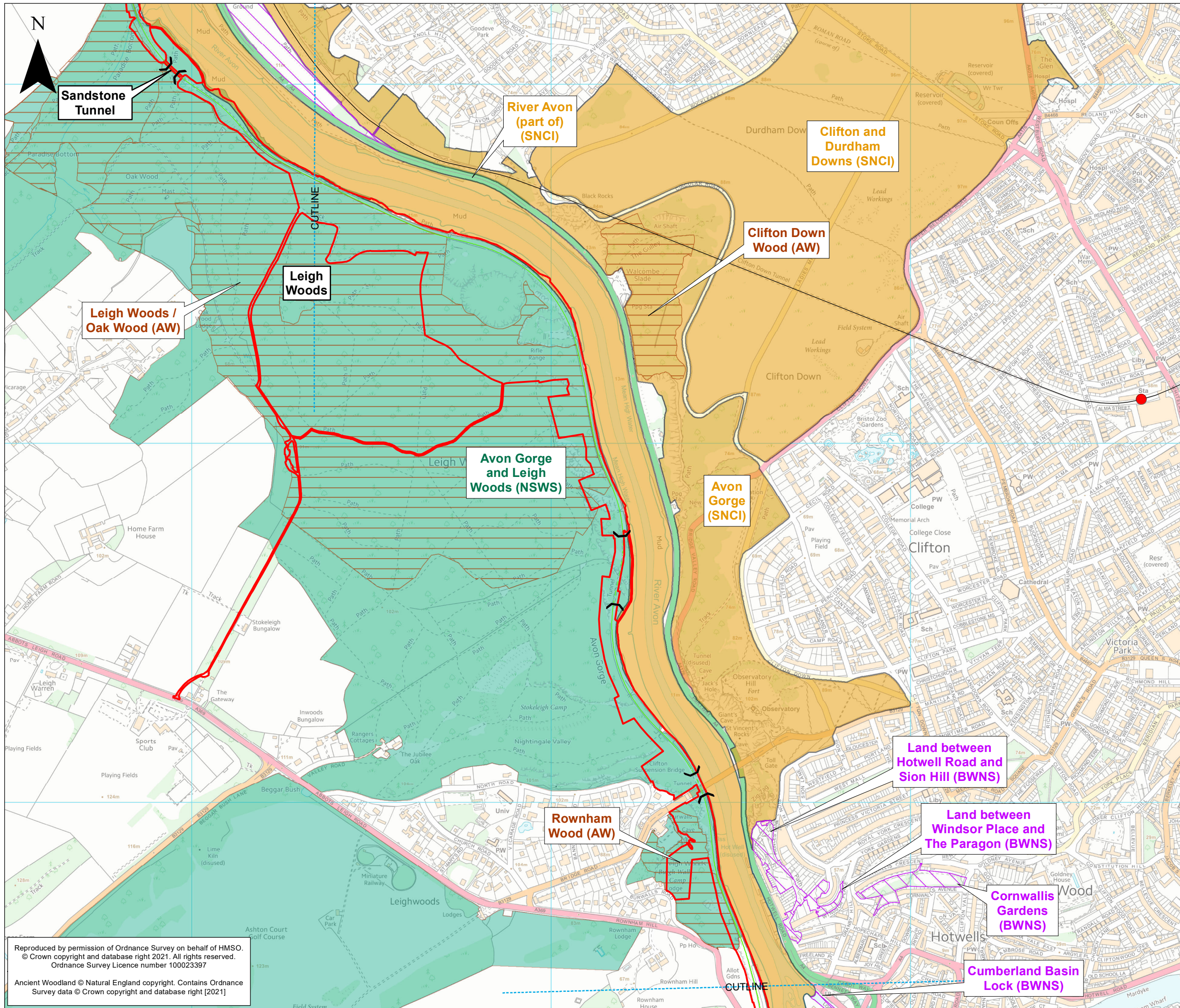
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- Ancient Woodland**
 - Ancient Woodland - Natural England Inventory (AW)

0 250 500 Metres					
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Drawing: Figure 9.3: Non-Statutory wildlife sites and Ancient Woodland
Sheet 4 of 5 - Leigh Woods to Rownham Hill
APFP Regulation 5(2)(a)

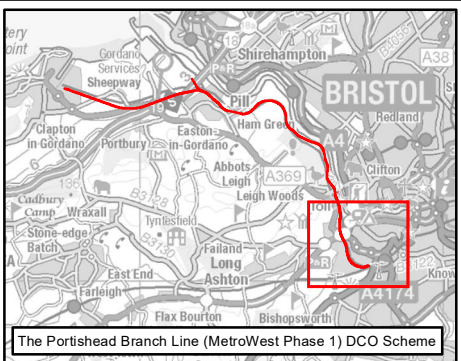
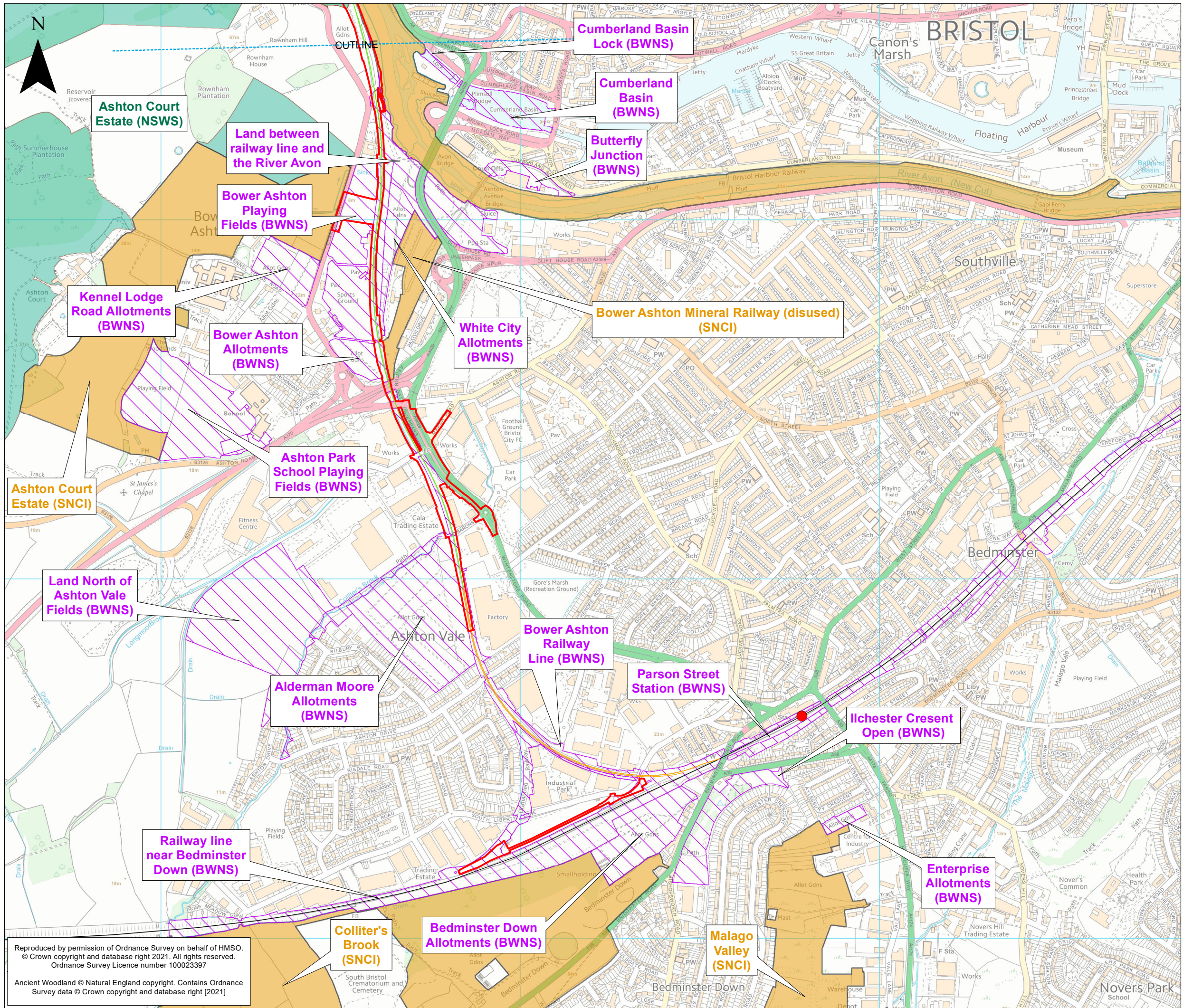
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Drawing: Figure 9.3: Non-Statutory wildlife sites and Ancient Woodland
Sheet 5 of 5 - Rownham Hill to Ashton Junction
APFP Regulation 5(2)(a)

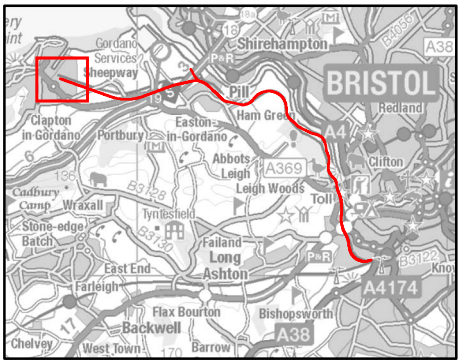
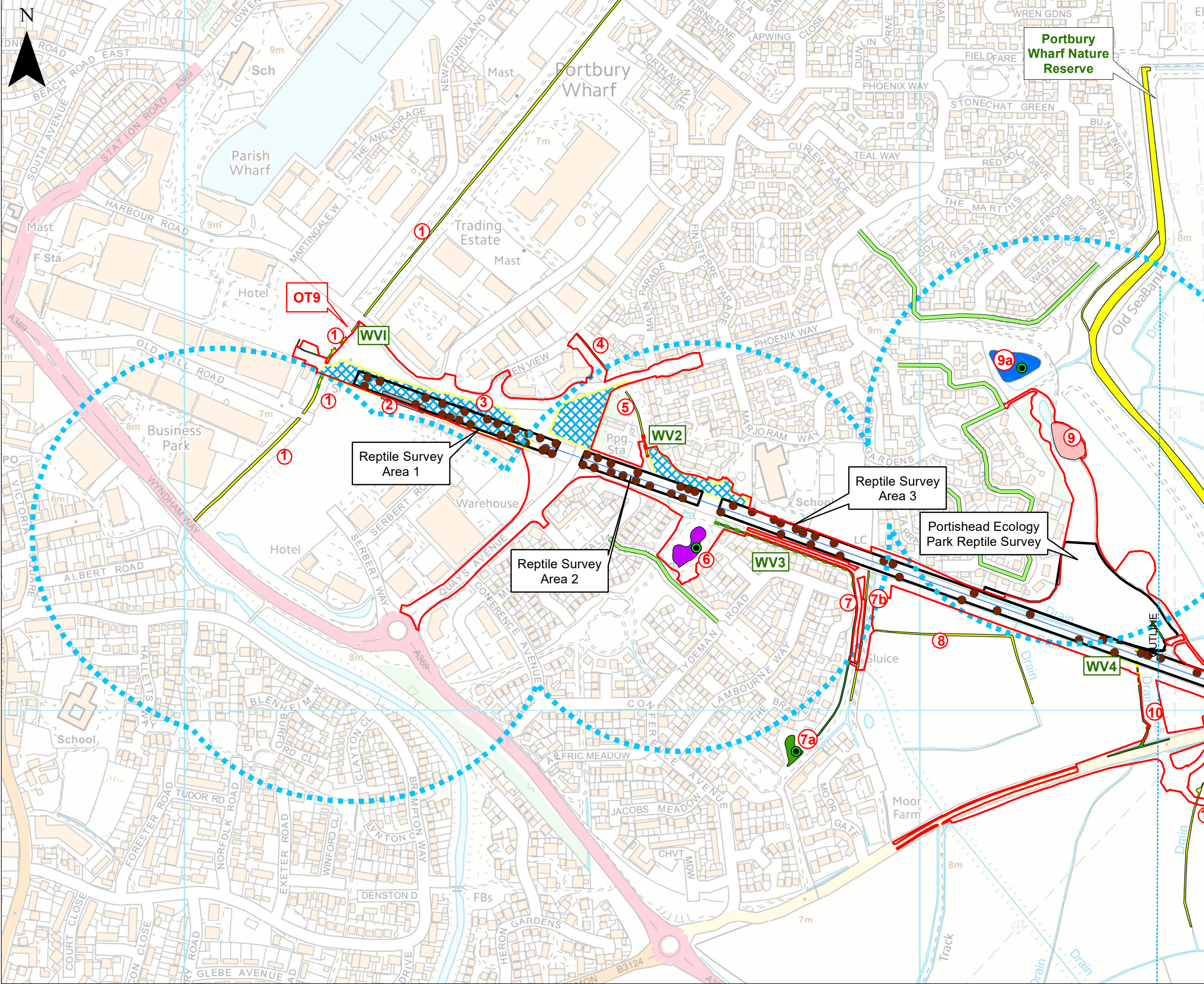
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KEY

- Order Limits
- Temporary Construction Compounds

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works

Reptile Survey Area

- Reptile Survey Area
- Reptile Survey Tiles
- Toad Breeding Pond
- Registered Toad Patrol

GCN Survey

- GCN Survey Waterbody Number

GCN Pond Locations

- GCN present
- Surveyed by others – no GCN
- GCN present eDNA only
- Surveyed - No GCN
- Not found / dried up
- Unsuitable or part-surveyed
- GCN Present 250m Buffer

Otter Survey

- Otter Survey Target Note

Water Vole Survey

- Water Vole Survey Waterbody Number

Water Vole Habitat Suitability

- WVHS 1 or 2, Unsuitable for Water Vole
- WVHS 3 or 4, Provide 'Sink' Habitat
- WVHS 5 or >, Support Water Vole

0 100 200 Metres

Rev	By	Chkd	Apprvd	Date	Description
ES-B	MPC	CW	CF	11/03/2021	Revised Order Limits
ES-A	MPC	CW	CF	19/10/2019	First draft

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Project : Portishead Branch Line (MetroWest Phase 1)

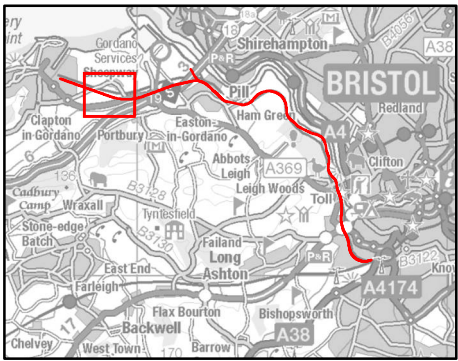
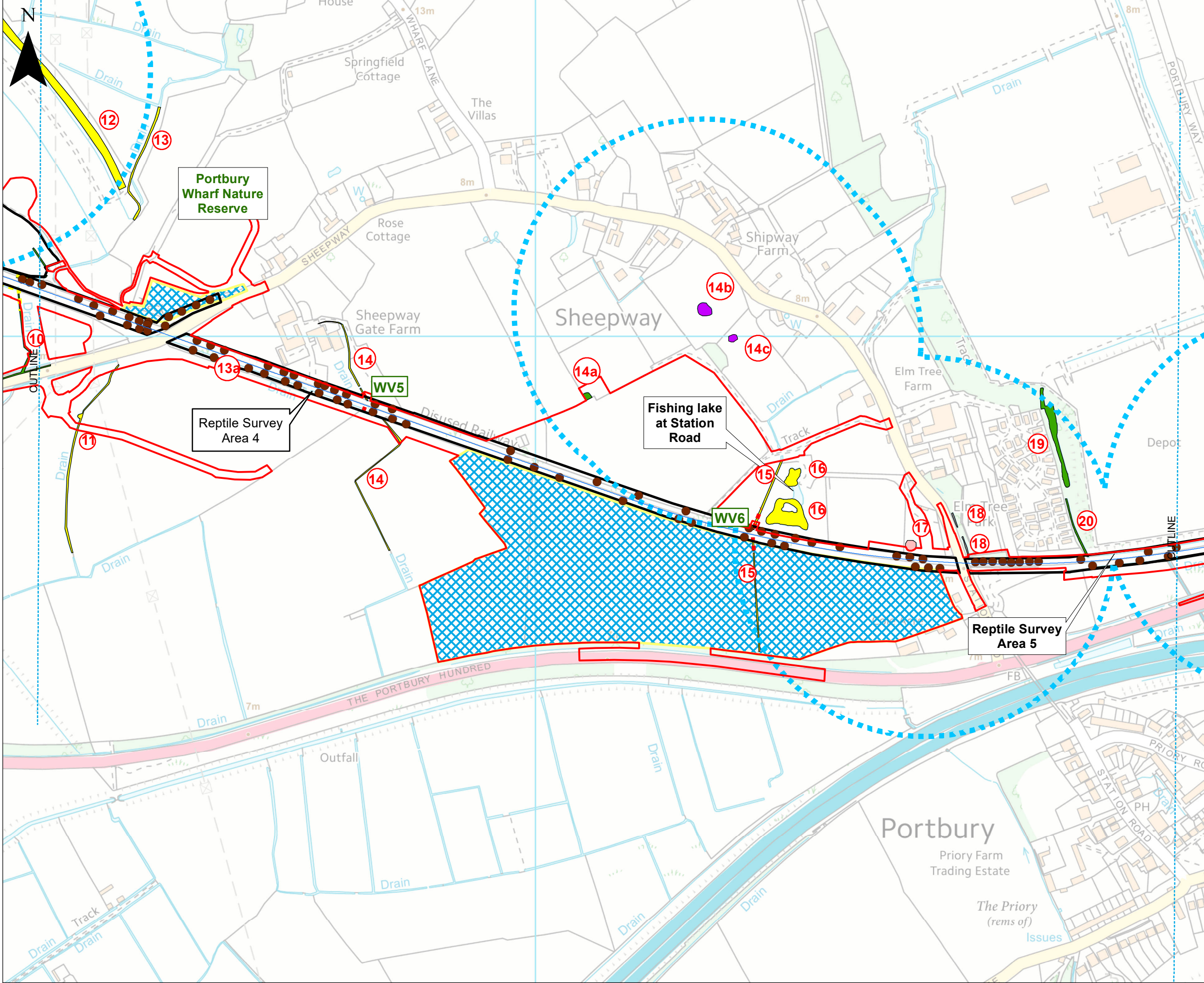
Drawing : Figure 9.4: Fauna Surveys
Sheet 1 of 11 - Portishead
APFP Regulation 5(2)(a)

Drawn By : Martin Costello **Date:** 11/03/2021
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KEY

- Order Limits
- Temporary Construction Compounds

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works

Reptile Survey Area

- Reptile Survey Area
- Reptile Survey Tiles

GCN Survey

- GCN Survey Waterbody Number

GCN Pond Locations

- GCN present
- GCN present eDNA only
- Surveyed - No GCN
- Not found / dried up
- Unsuitable or part-surveyed
- GCN Present 250m Buffer

Otter Survey

- Otter Survey Target Note

Water Vole Survey

- Water Vole Survey Waterbody Number

Water Vole Habitat Suitability

- WVHS 1 or 2, Unsuitable for Water Vole
- WVHS 3 or 4, Provide 'Sink' Habitat

0 100 200 Metres

Rev	By	Chkd	Apprvd	Date	Description
ES-B	MPC	CW	CF	11/03/2021	Revised Order Limits
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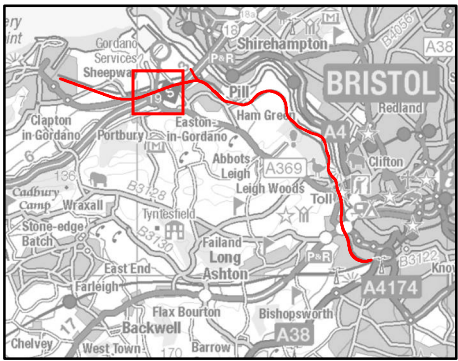
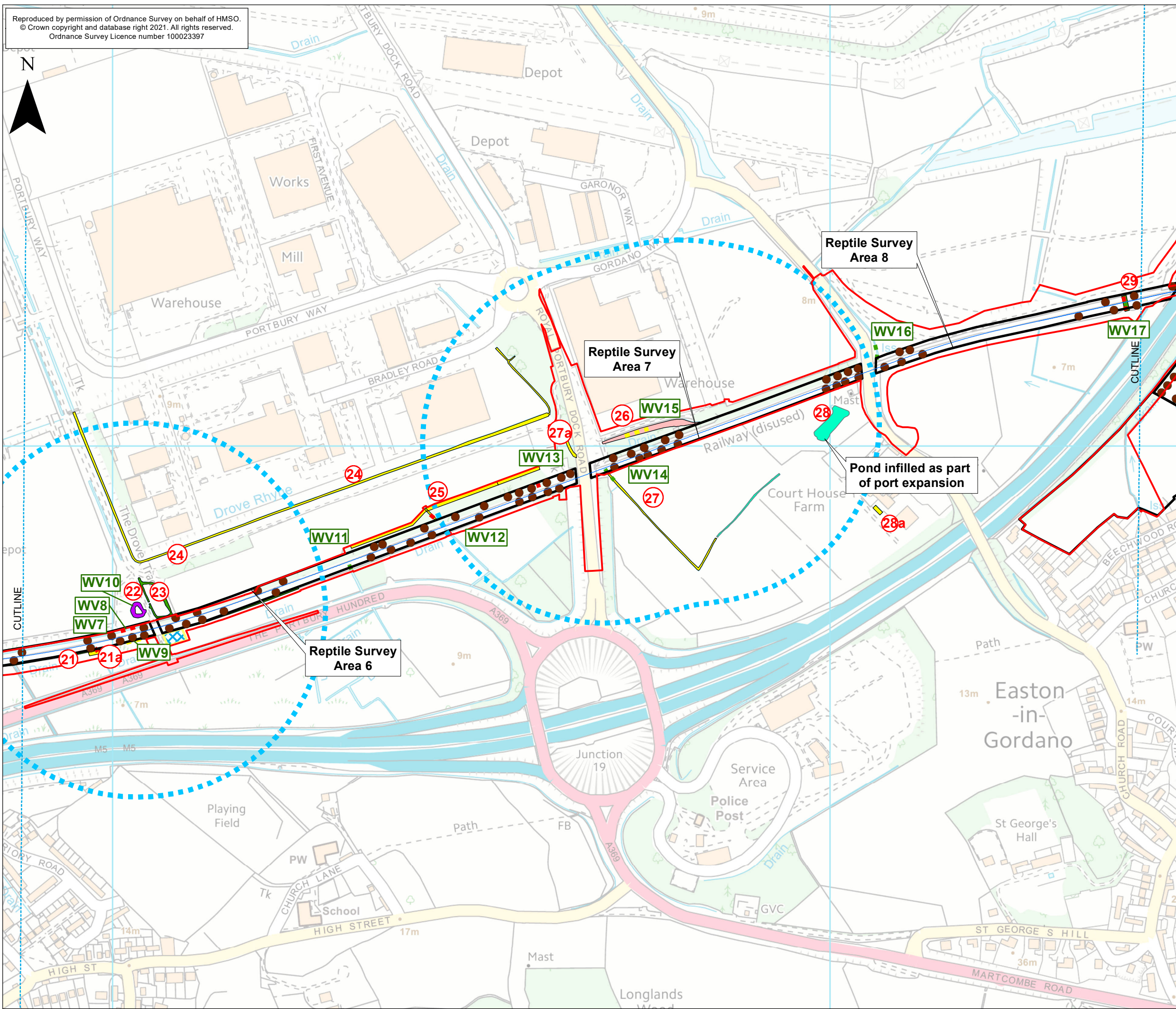
Drawing : Figure 9.4: Fauna Surveys
Sheet 2 of 11 - Sheepway
APFP Regulation 5(2)(a)

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KEY

- Order Limits
- Temporary Construction Compounds

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works

Reptile Survey Area

- Reptile Survey Area
- Reptile Survey Tiles

GCN Survey

- GCN Survey Waterbody Number

GCN Pond Locations

- GCN present
- Waterbody infilled
- GCN present eDNA only
- Surveyed - No GCN
- Unsuitable or part-surveyed
- GCN Present 250m Buffer

Otter Survey

- Otter Survey Target Note

Water Vole Survey

- Water Vole Survey Waterbody Number

Water Vole Habitat Suitability

- WVHS 1 or 2, Unsuitable for Water Vole
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0 100 200 Metres

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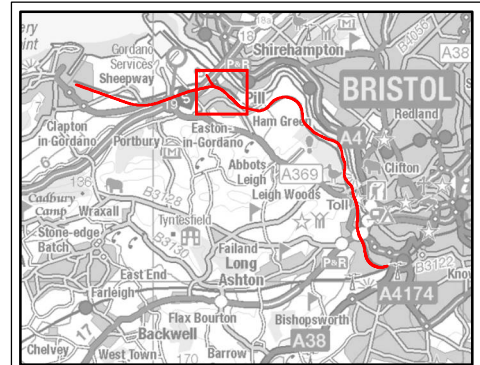
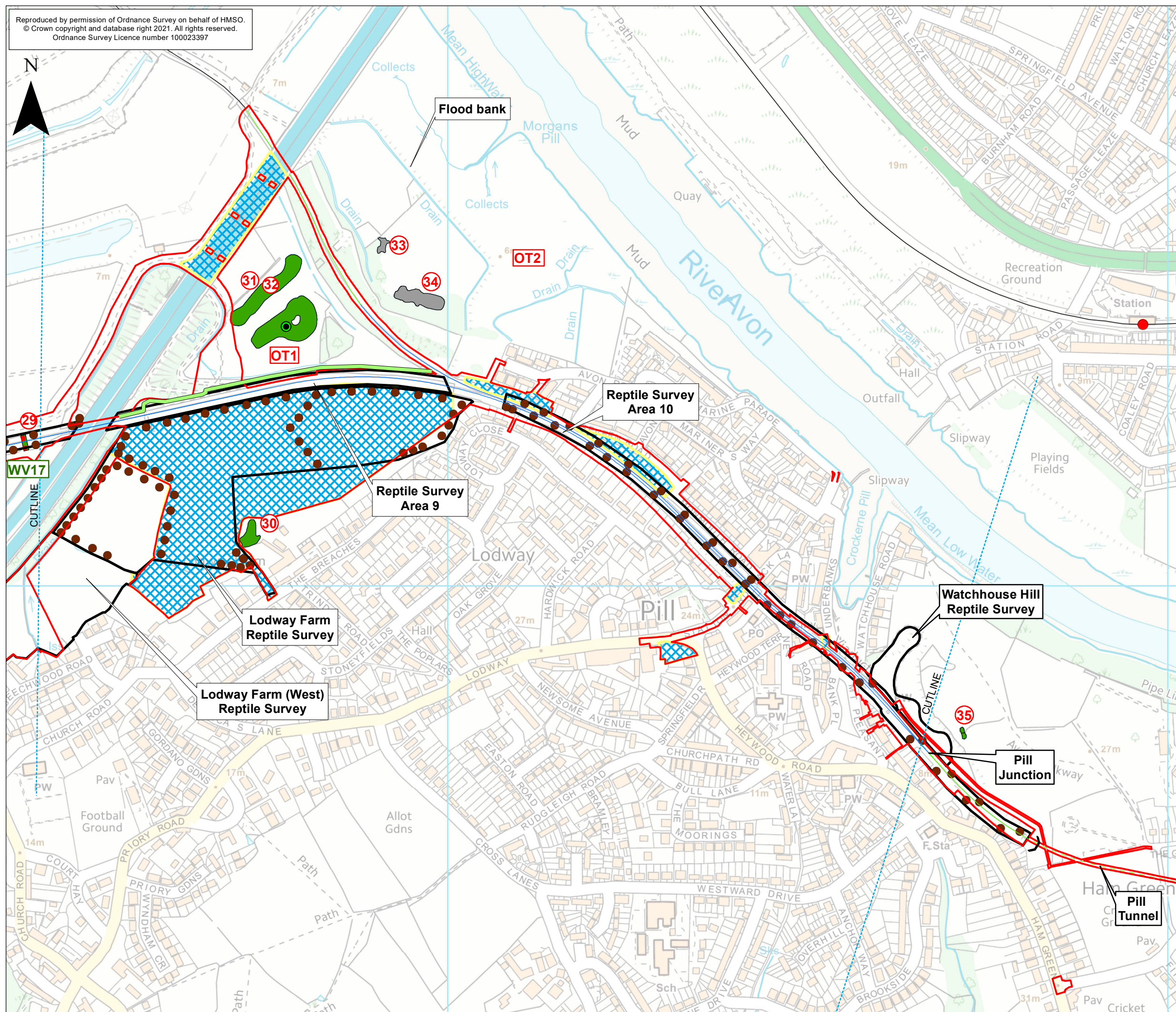
Project : Portishead Branch Line (MetroWest Phase 1)

Drawing : Figure 9.4: Fauna Surveys
Sheet 3 of 11 - Junction 19
APFP Regulation 5(2)(a)

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- Order Limits
- Temporary Construction Compounds

Portishead Branch Line

- The Nationally Significant Infrastructure Project (NSIP) Works
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- Section in Tunnel

- Reptile Survey Area
- Reptile Survey Tiles
- Toad Breeding Pond
- Registered Toad Patrol

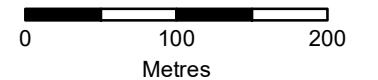
GCN Survey Waterbody Number

 Surveyed - No GCN
 Not found / dried up

Q11 Otter Survey Target Note

 Water Vole Survey Waterbody Number

■ ■ | WVHS 1 or 2, Unsuitable for Water Vole



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Drawing : Figure 9.4: Fauna Surveys
Sheet 4 of 11 - Pill
APFP Regulation 5(2)(a)

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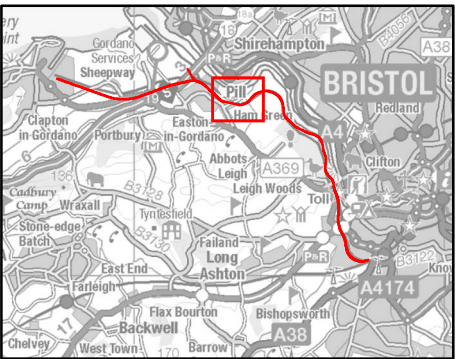
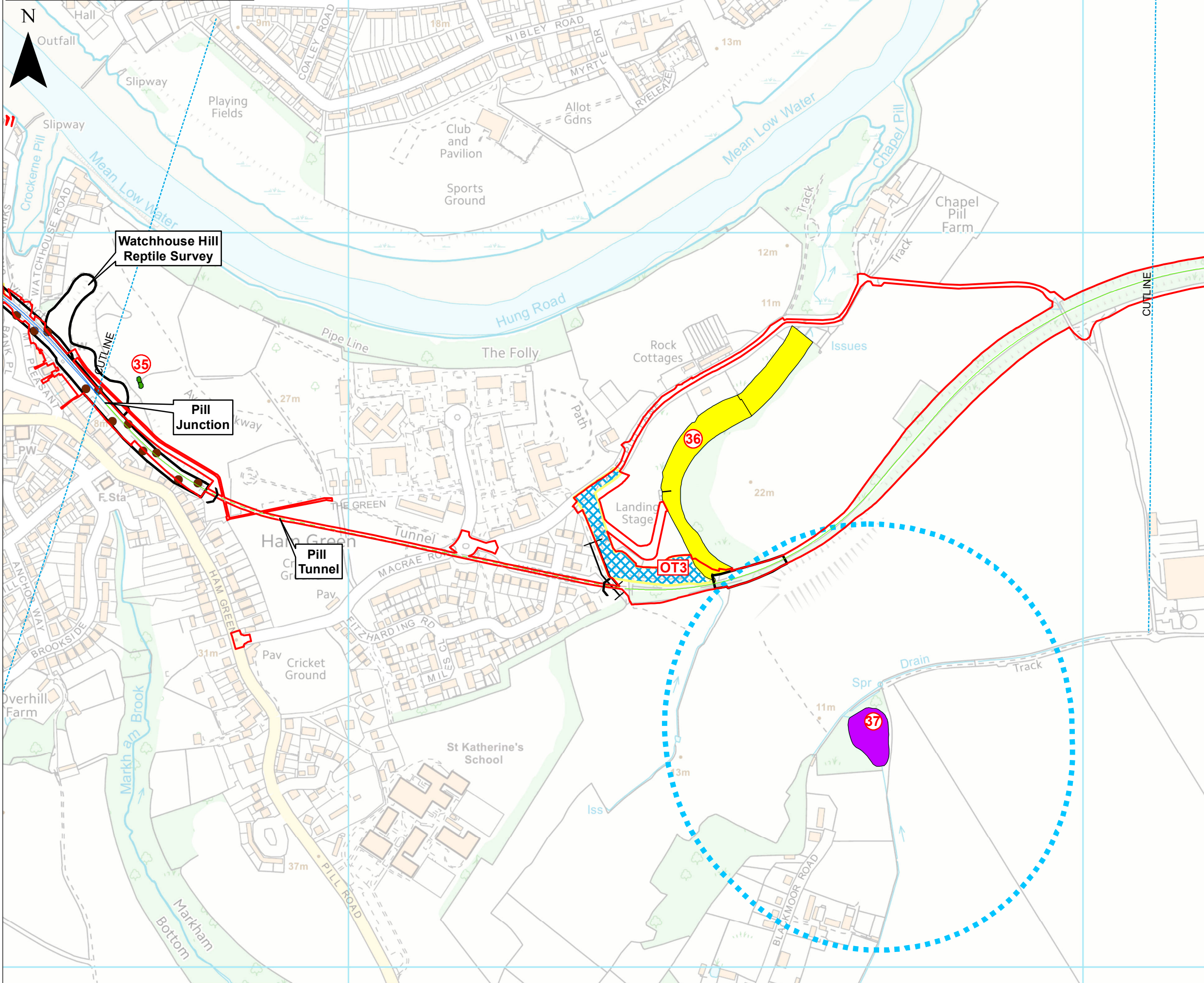
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- GCN Survey**
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 - Unsuitable or part-surveyed
 - GCN Present 250m Buffer
- Otter Survey**
 - Otter Survey Target Note
- Water Vole Survey**
 - Water Vole Survey Waterbody Number

- Reptile Survey Area
- Reptile Survey Tiles

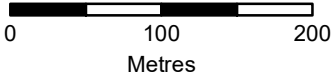
- Dormouse Tube Survey Location
- Dormouse Tube Survey Location

- GCN Survey
- GCN Survey Waterbody Number

- GCN Pond Locations**
 - GCN present eDNA only
 - Surveyed - No GCN
 - Unsuitable or part-surveyed
 - GCN Present 250m Buffer

- Otter Survey**
 - Otter Survey Target Note

- Water Vole Survey**
 - Water Vole Survey Waterbody Number



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(MetroWest Phase 1)**

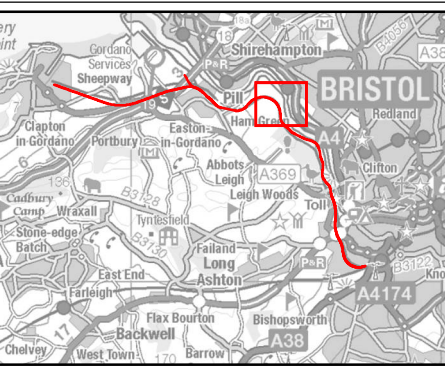
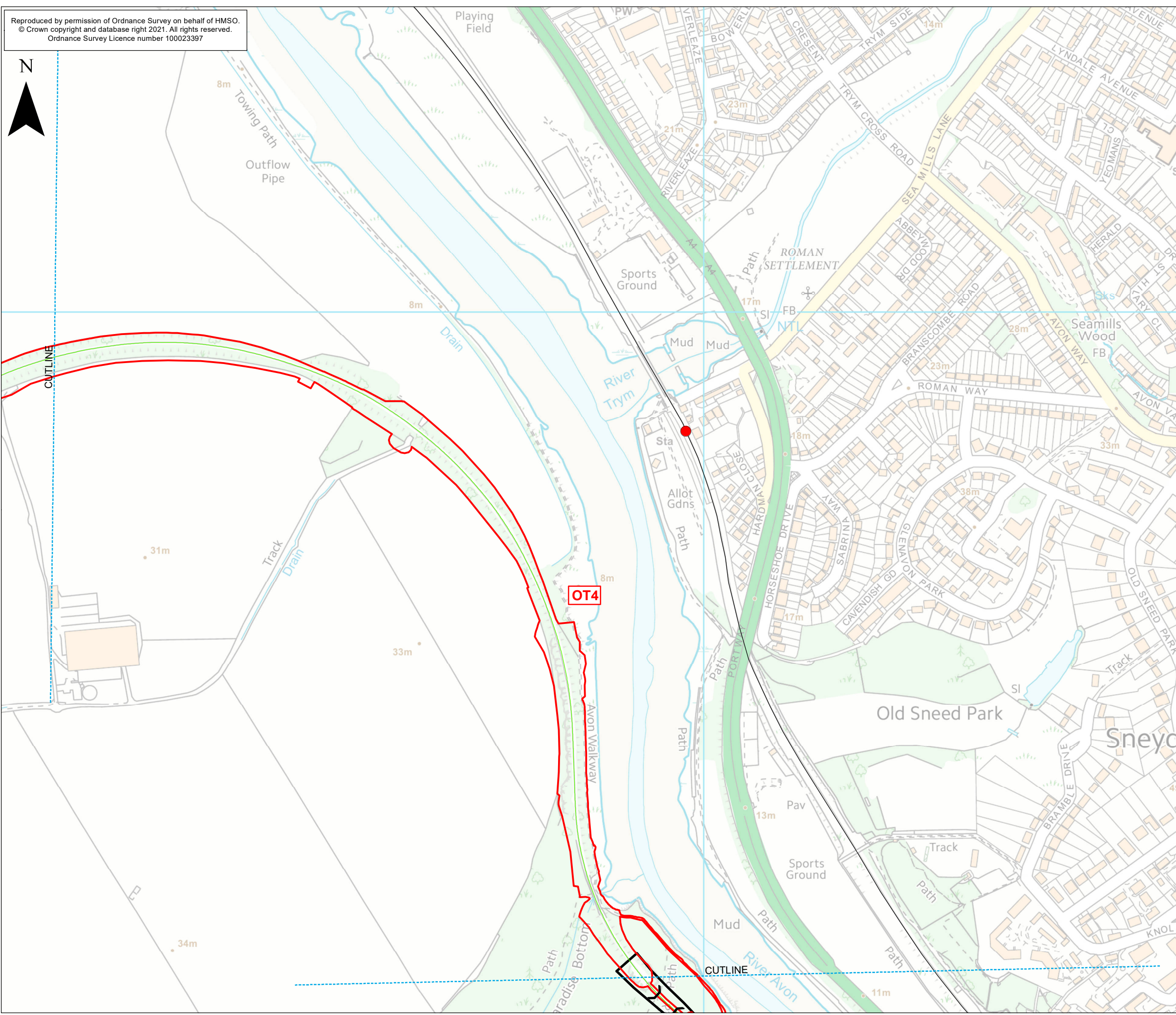
Drawing : **Figure 9.4: Fauna Surveys
Sheet 5 of 11 - Ham Green
APFP Regulation 5(2)(a)**

Drawn By : Martin Costello Date: 11/03/2021
Checked By : Clare Williams Date: 11/03/2021
Approved By : Carolyn Francis Date: 11/03/2021

Drawing No. : 674946 -001-014-A Revision
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N



Order Limits

Portishead Branch Line

The Associated Development Works

Reptile Survey Area

 Reptile Survey Area

GCN Survey

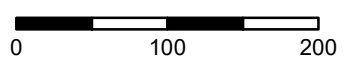
 GCN Survey Waterbody Number

Otter Survey

 Otter Survey Target Note

Water Vole Survey

Water Vole Survey Waterbody Number



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ES-A	MPC	CW	CF	19/10/2019	First draft
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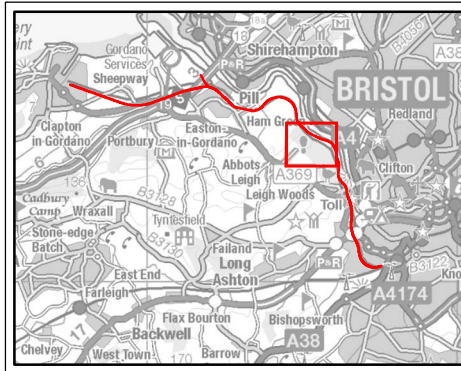
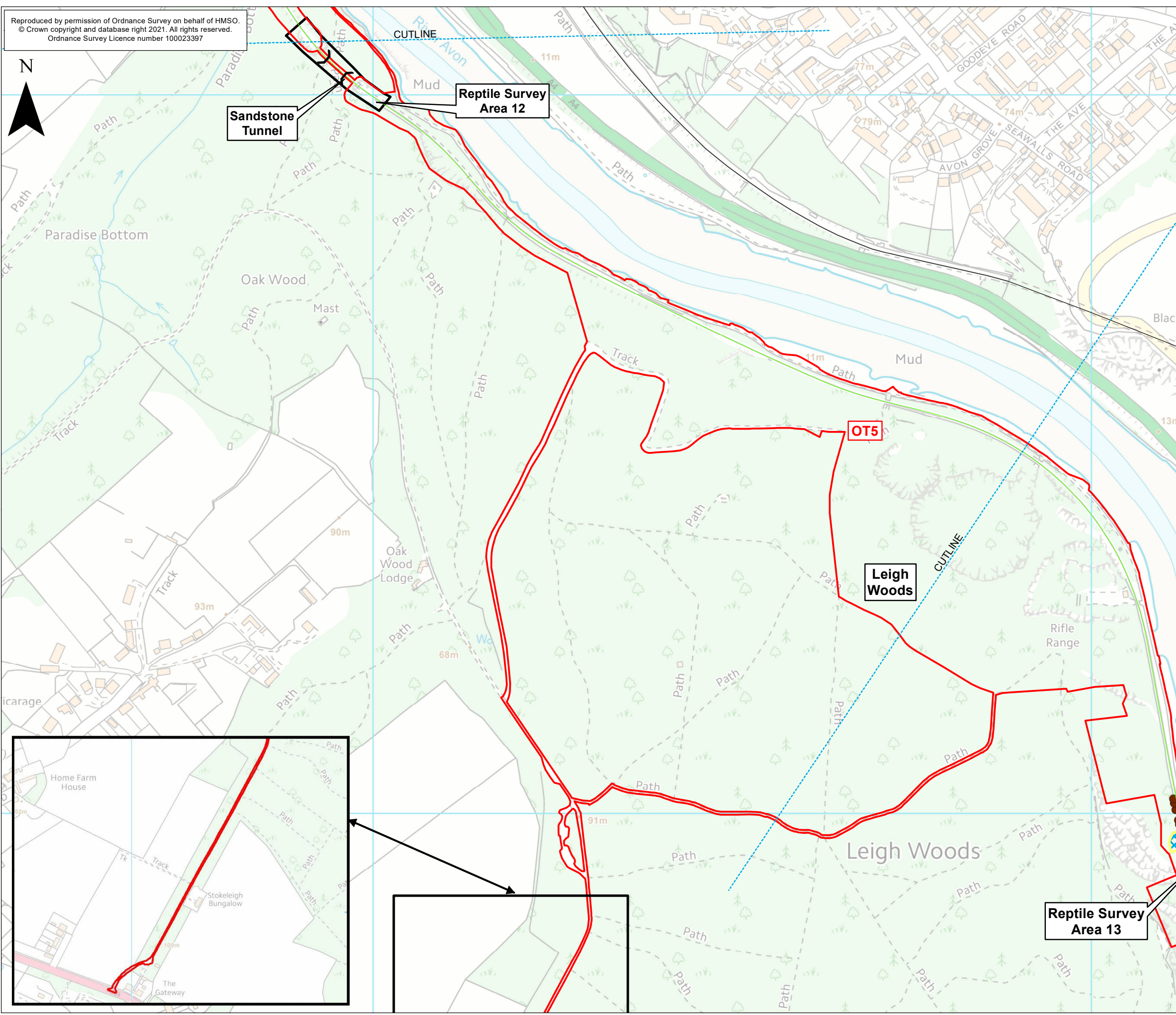
Drawing : **Figure 9.4: Fauna Surveys**
Sheet 6 of 11 - Chapel Pill
APFP Regulation 5(2)(a)

Drawn By :	Martin Costello	Date: 11/03/2021
Checked By :	Clare Williams	Date: 11/03/2021
Approved By :	Carolyn Francis	Date: 11/03/2021

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674946 -001-014-A	ES-B

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- KEY**
- Order Limits
 - Temporary Construction Compounds
 - The Associated Development Works
- Portishead Branch Line**
- Reptile Survey Area
 - Reptile Survey Tiles
- GCN Survey**
- i GCN Survey Waterbody Number
- Otter Survey**
- OT1 Otter Survey Target Note
- Water Vole Survey**
- WV1 Water Vole Survey Waterbody Number

0 100 200
Metres

ES-B	MPC	CW	CF	11/03/2021	Revised Order Limits
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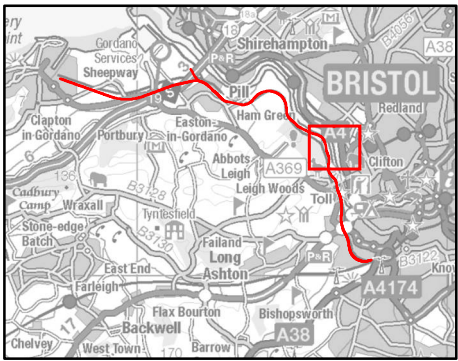
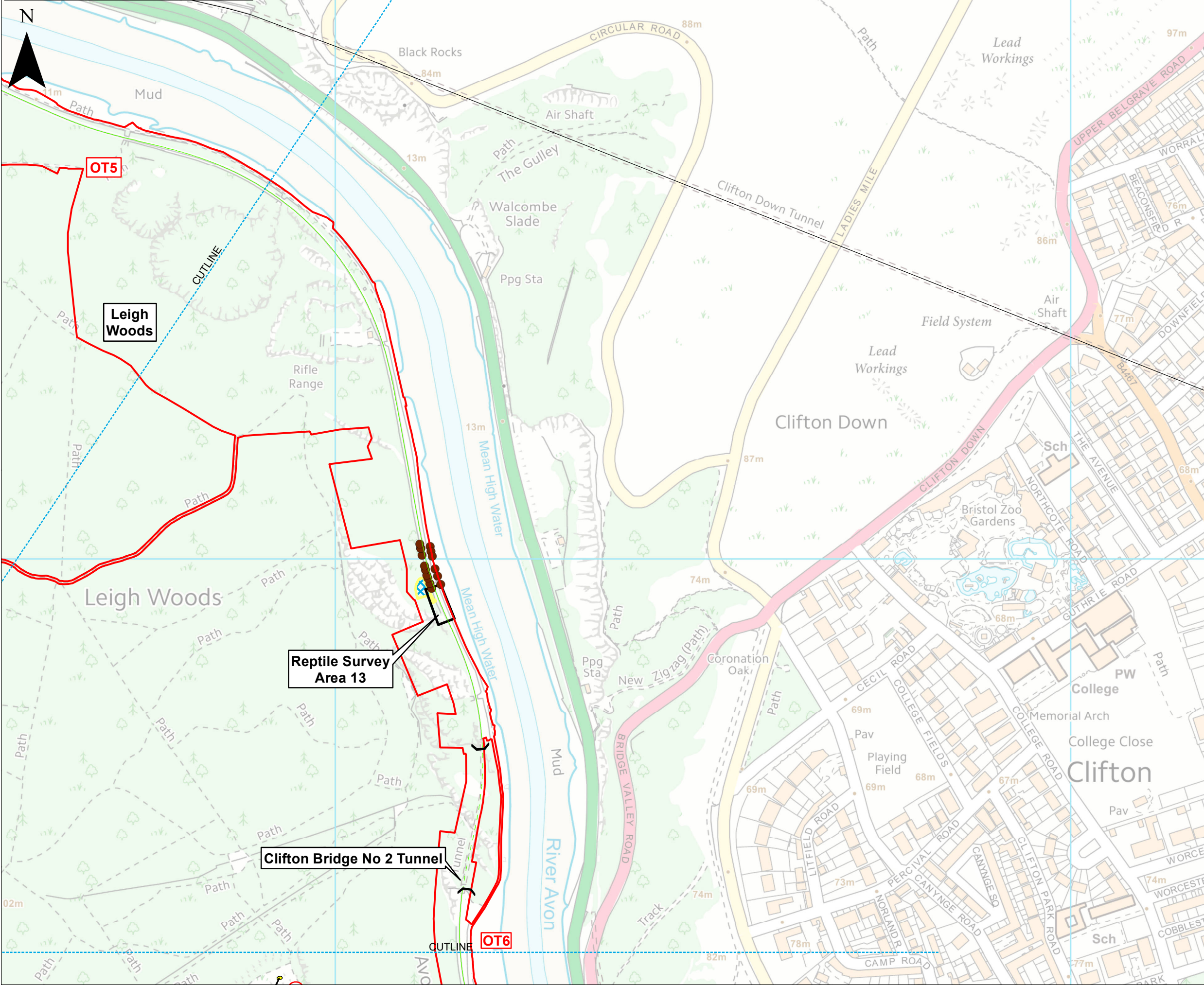
Drawing : Figure 9.4: Fauna Surveys
Sheet 7 of 11 - Leigh Woods (1)
APFP Regulation 5(2)(a)

Drawn By :	Martin Costello	Date:	11/03/2021
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- KEY**
- Order Limits
 - Temporary Construction Compounds
 - Portishead Branch Line**
 - The Associated Development Works
 - Section in Tunnel
 - Reptile Survey Area**
 - Reptile Survey Area
 - Reptile Survey Tiles
 - GCN Survey**
 - GCN Survey Waterbody Number
 - GCN Pond Locations**
 - Unsuitable or part-surveyed
 - Otter Survey**
 - Otter Survey Target Note
 - Water Vole Survey**
 - Water Vole Survey Waterbody Number



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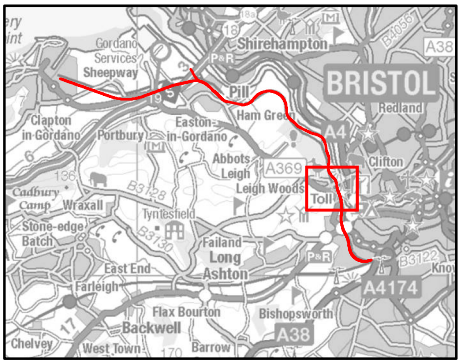
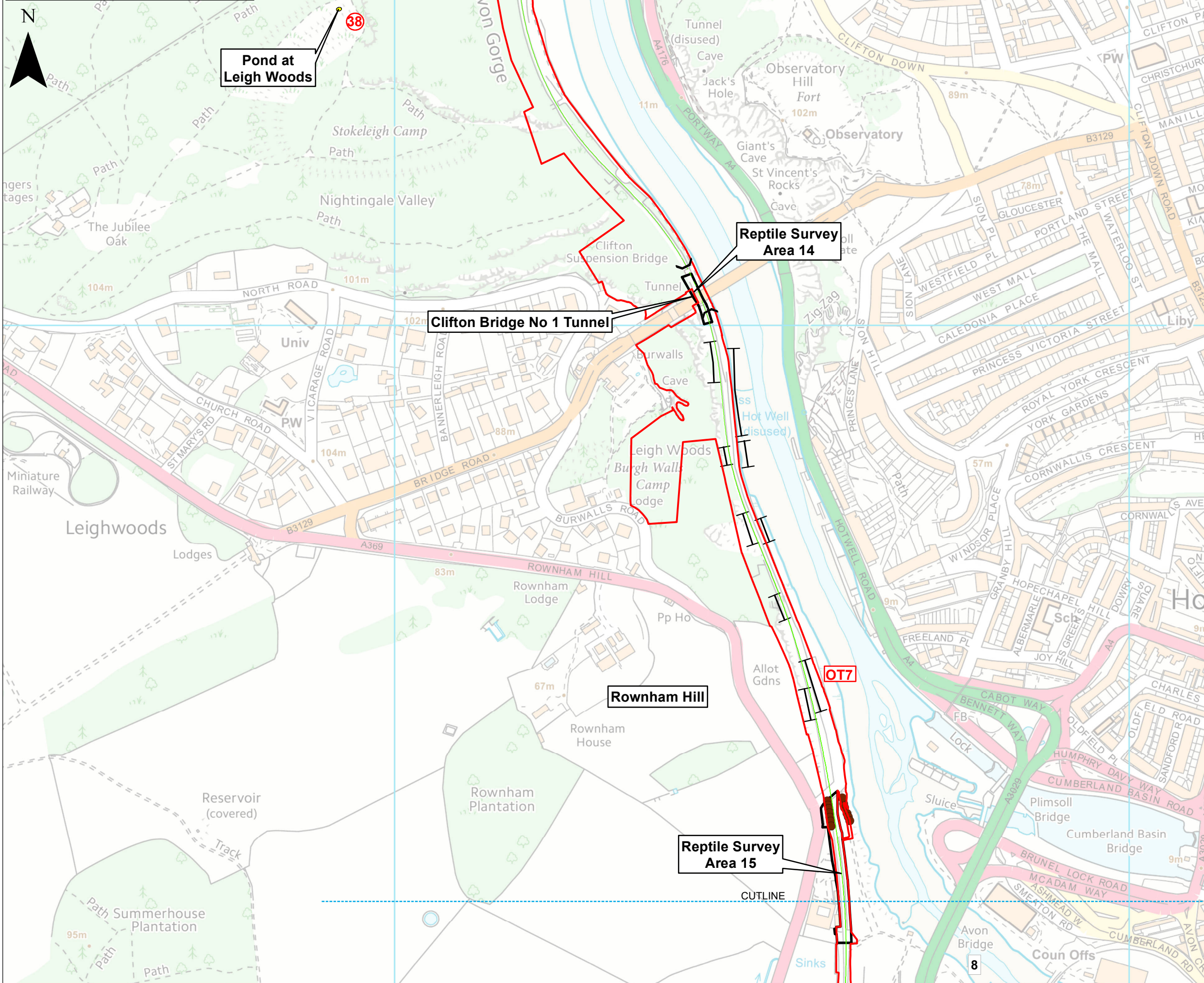
Drawing : Figure 9.4: Fauna Surveys
Sheet 8 of 11 - Leigh Woods (2)
APFP Regulation 5(2)(a)

Drawn By : Martin Costello **Date:** 11/03/2021
Checked By : Clare Williams **Date:** 11/03/2021
Approved By : Carolyn Francis **Date:** 11/03/2021

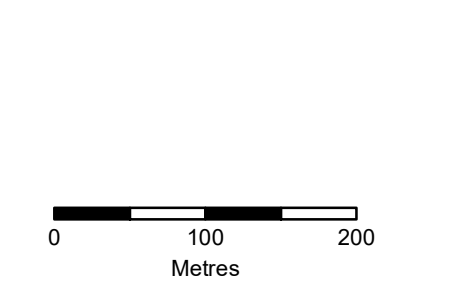
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- KEY**
- Order Limits
 - Portishead Branch Line
 - The Associated Development Works
 - Section in Tunnel
 - Reptile Survey Area
 - Reptile Survey Area
 - Reptile Survey Tiles
 - Dormouse Tube Survey Location
 - Dormouse Tube Survey Location
 - GCN Survey
 - GCN Survey Waterbody Number
 - GCN Pond Locations
 - Unsuitable or part-surveyed
 - Otter Survey
 - Otter Survey Target Note
 - Water Vole Survey
 - Water Vole Survey Waterbody Number



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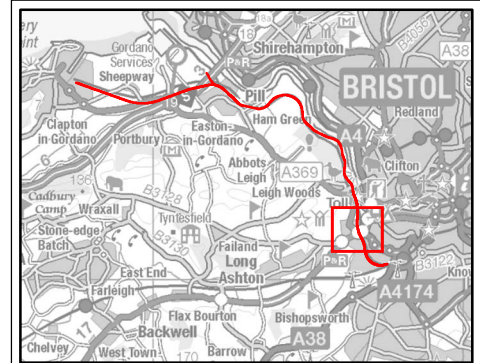
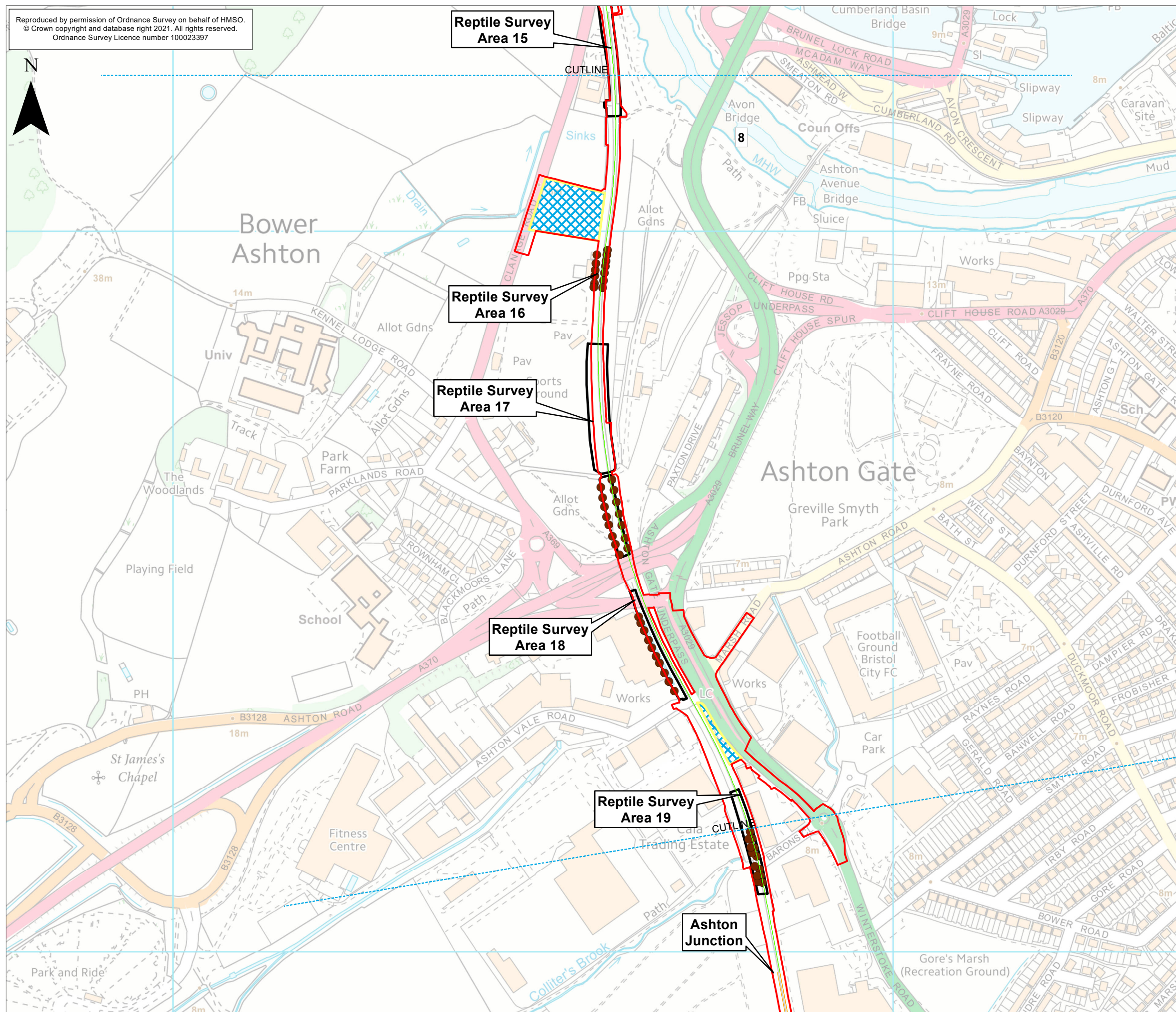
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Drawing : Figure 9.4: Fauna Surveys
Sheet 9 of 11 - Leigh Woods (3)
APFP Regulation 5(2)(a)

Drawn By : Martin Costello Date: 11/03/2021
Checked By : Clare Williams Date: 11/03/2021
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 Order Limits

 Temporary Construction Compounds

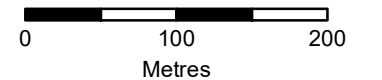
— The Associated Development Works

— Network Rail Permitted Development Rights

 Reptile Survey Area
 Reptile Survey Tiles

GCN Survey Waterbody Number

OT4 Otter Survey Target Note

 Water Vole Survey Waterbody Number

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Drawing : Figure 9.4: Fauna Surveys
Sheet 10 of 11 - Ashton Gate
APFP Regulation 5(2)(a)

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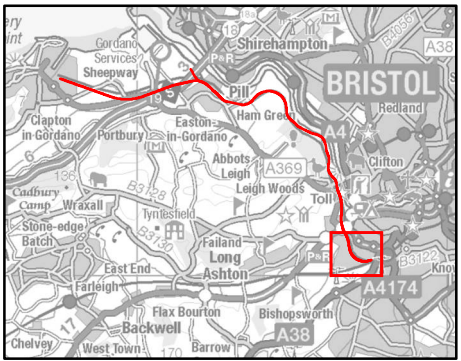
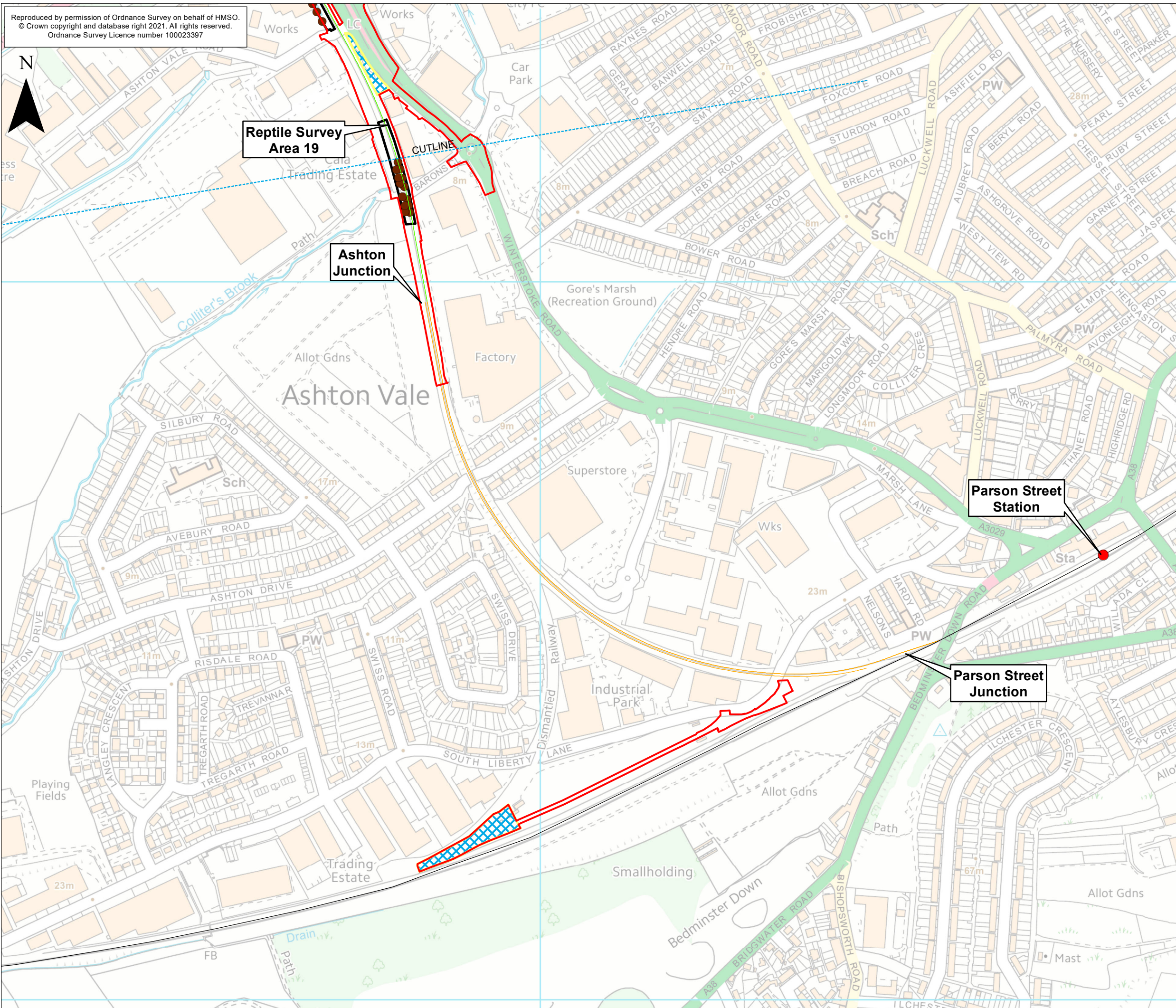
Checked By :	Clare Williams	Date: 11/03/2021
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Approved By : Carolyn Francis Date: 11/03/2021

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KEY

- Order Limits
- Temporary Construction Compounds
- The Associated Development Works

Portishead Branch Line

- Network Rail Permitted Development Rights

Other Works

- Reptile Survey Area
- Reptile Survey Tiles

GCN Survey

- GCN Survey Waterbody Number

Otter Survey

- Otter Survey Target Note

Water Vole Survey

- Water Vole Survey Waterbody Number

0 100 200
Metres

ES-B	MPC	CW	CF	11/03/2021	Revised Order Limits
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Drawing : Figure 9.4: Fauna Surveys
Sheet 11 of 11 - Ashton Junction
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