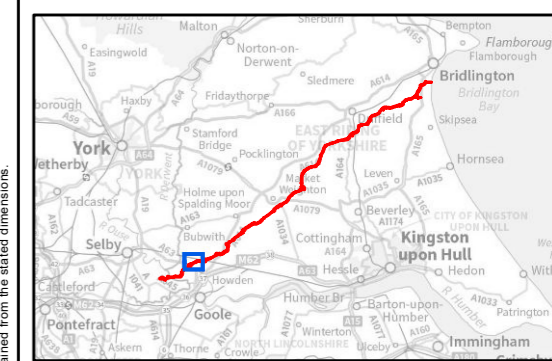
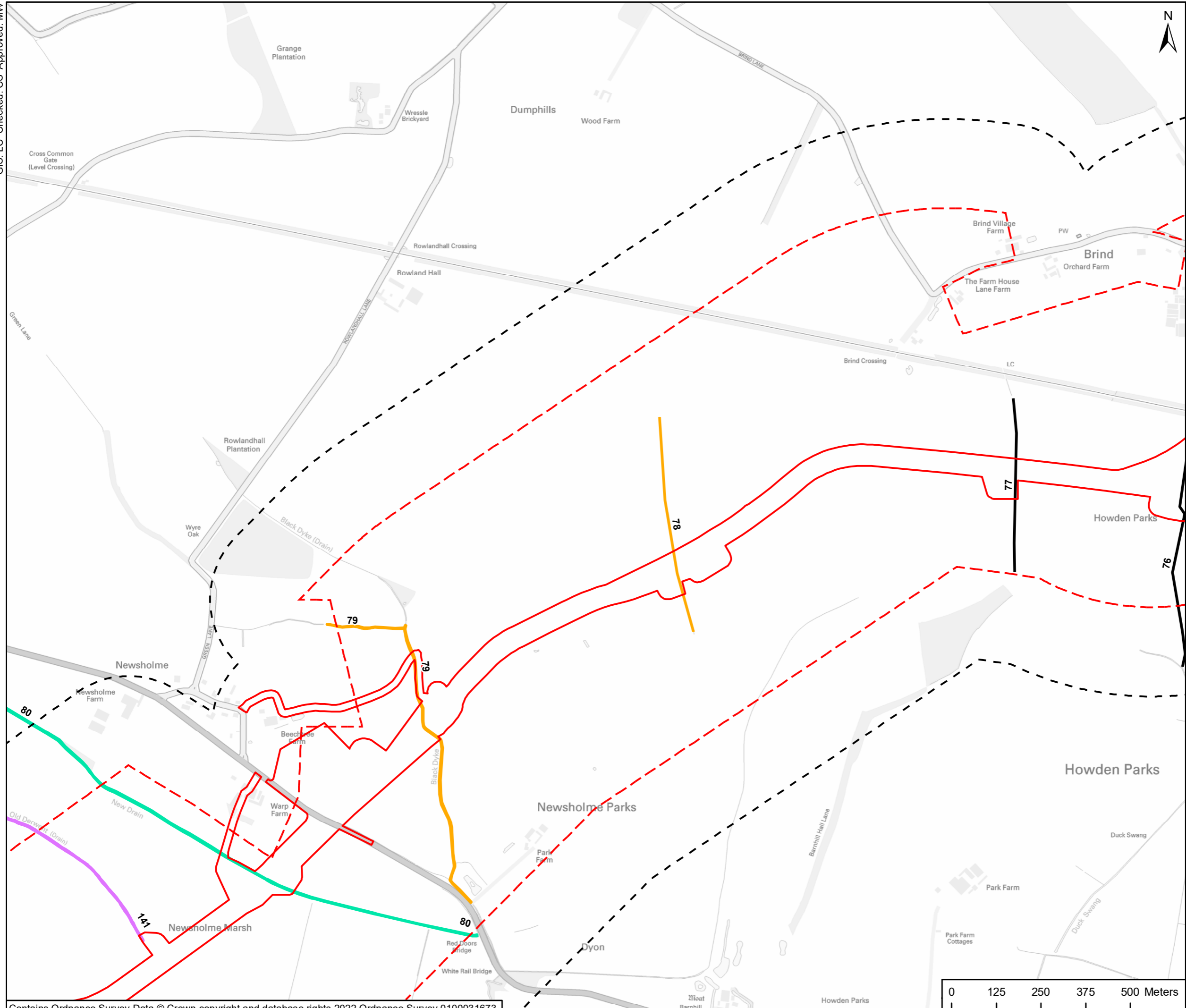


**PROJECT**  
**Scotland England Green Link 2**

- KEY**
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  - 250m Study Area
  - Indicative Planning Application Boundary

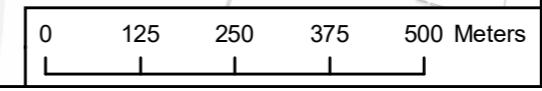
- Otter Survey**
- Scoped out
  - Not assessed/surveyed
  - Assessed as suitable to support otter - not surveyed
  - Surveyed - Otter likely absent
  - Surveyed - Otter potentially present
  - Surveyed - Otter confirmed
  - TBC



**TITLE**  
**Figure 2**  
**Otter Habitat Assessment & Survey**

**REFERENCE**  
 SEGL2\_T\_WVO\_2\_v3\_20220209

**SHEET NUMBER** 23 of 26 **DATE** 09/02/2022

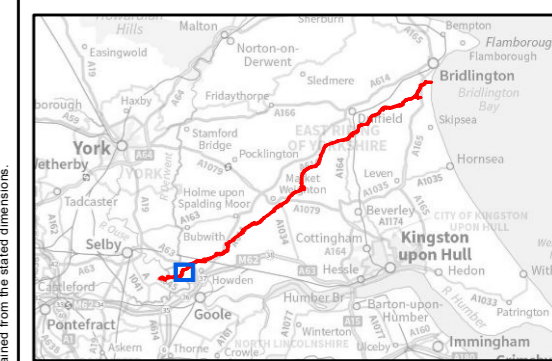
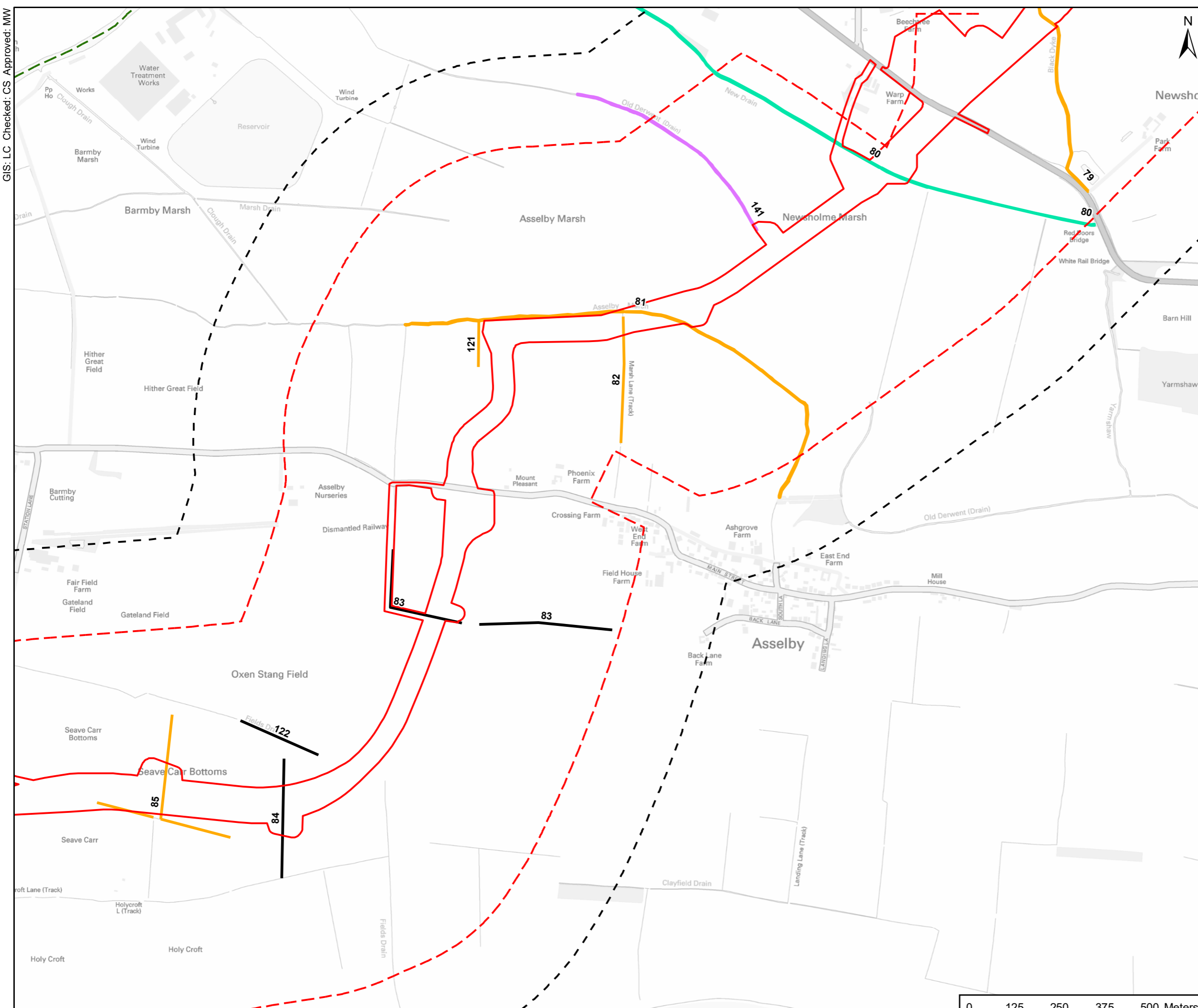


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GIS: LC Checked: CS Approved: MW

**PROJECT**  
**Scotland England Green Link 2**

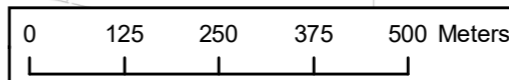
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  - District Borough Unitary Boundary
- Otter Survey**
- Scoped out
  - Not assessed/surveyed
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  - Surveyed - Otter likely absent
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  - Surveyed - Otter confirmed
  - TBC



**TITLE**  
**Figure 2**  
**Otter Habitat Assessment & Survey**

**REFERENCE**  
 SEGL2\_T\_WVO\_2\_v3\_20220209

**SHEET NUMBER** 24 of 26 **DATE** 09/02/2022

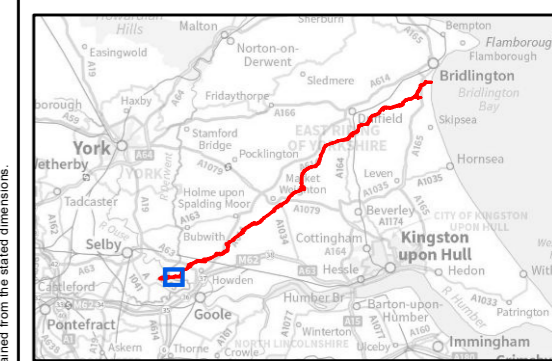
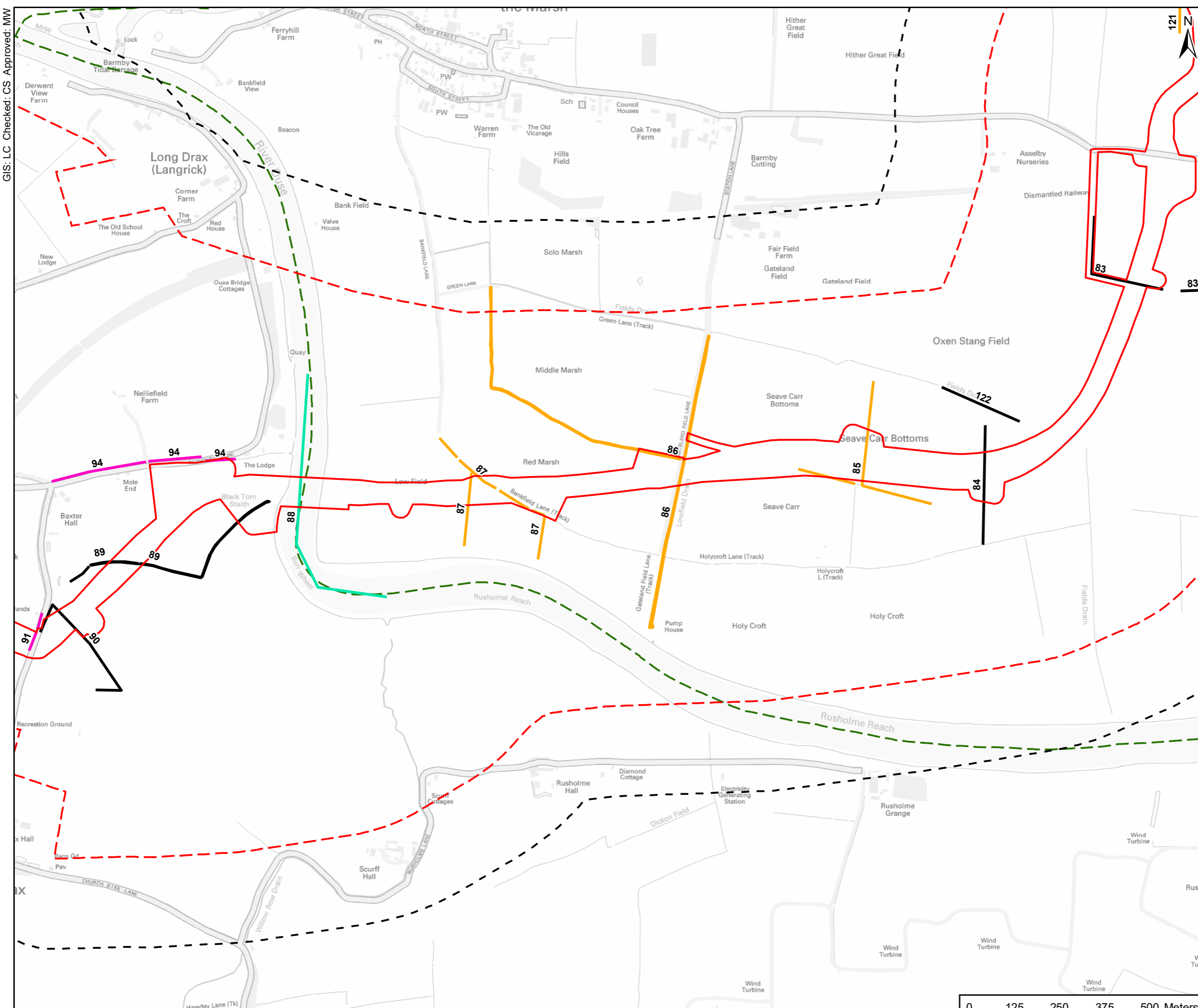


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**PROJECT**  
**Scotland England Green Link 2**

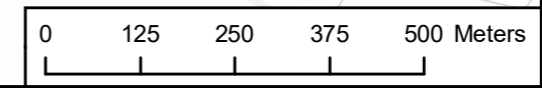
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- English Onshore Scheme Scoping Boundary
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- Scoped out
  - Not assessed/surveyed
  - Assessed as suitable to support otter - not surveyed
  - Surveyed - Otter likely absent
  - Surveyed - Otter potentially present
  - Surveyed - Otter confirmed
  - TBC



**TITLE**  
**Figure 2**  
**Otter Habitat Assessment & Survey**

**REFERENCE**  
 SEGL2\_T\_WVO\_2\_v3\_20220209

**SHEET NUMBER** 25 of 26  
**DATE** 09/02/2022

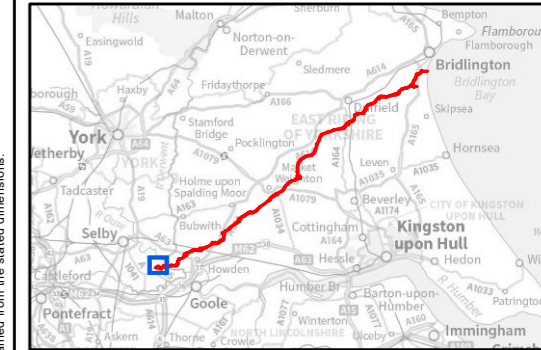
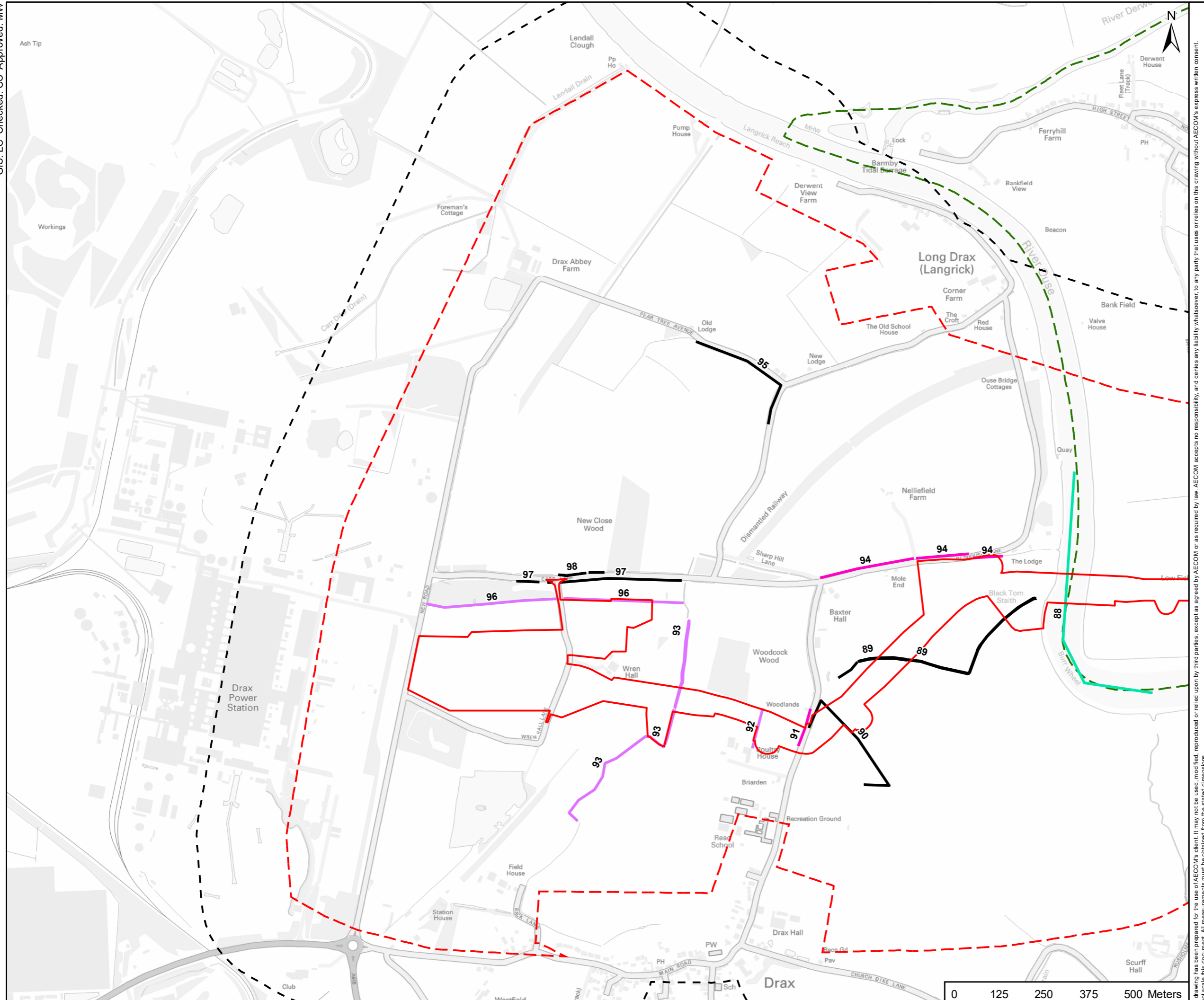


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PROJECT  
**Scotland England Green Link 2**

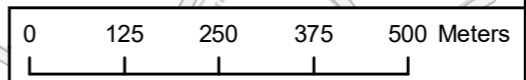
- KEY
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  - 250m Study Area
  - Indicative Planning Application Boundary
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TITLE  
**Figure 2  
Otter Habitat Assessment & Survey**

REFERENCE  
SEGL2\_T\_WVO\_2\_v3\_20220209

SHEET NUMBER 26 of 26 DATE 09/02/2022



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## Annex 1 – Relevant legislation and Planning Policy

This section sets out the legislative and policy framework within which sites, habitats and species have been identified by government and conservation organisations as the key focus for biodiversity conservation in the UK and which therefore are the focus of ecological assessment with respect to proposed developments.

### Legislation

#### Water vole

The water vole is protected under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended). This makes it an offence to:

- intentionally capture, kill or injure water voles;
- damage, destroy or block access to their places of shelter or protection (on purpose or by not taking enough care);
- disturb them in a place of shelter or protection (on purpose or by not taking enough care); and
- possess, sell, control or transport live or dead water voles or parts of them (excluding water voles bred in captivity).

The Act provides a defence against the offences outlined above. However, the defence is only sustained if it can be argued that the potential offence was '*the incidental result of a lawful operation*' and '*could not reasonably have been avoided*' as set out in the Act. In order to demonstrate these two elements of the defence, as far as is reasonable, appropriate action would need to be taken to safeguard water vole and their shelters to ensure there is as little risk as possible of interfering with them. Short-term low-level disturbance which 'allows water vole to flee and then later return' is not considered likely to trigger an offence under the Act. Where development cannot avoid potential offences then a licence may be required.

#### Otter

Otter and their resting places receive protection under both British and European legislation. Under European legislation the otter is protected under EC Directive (92/43/EEC), being listed under Annexes IIa and IVa. This is implemented in Britain under the Conservation of Habitats and Species Regulations, 2019 (as amended). Under this legislation it is an offence to damage or destroy an otter's place of shelter, whether intentionally or accidentally and to deliberately disturb an otter.

The otter is listed under Annex II of the Bern Convention and is also protected under Schedule 5 and 6 of the Wildlife and Countryside Act, 1981 (as amended). Under the Wildlife and Countryside Act, 1981 (as amended) it is a criminal offence to:

- 'intentionally' kill, injure, or take an otter without a licence;
- damage, destroy, or obstruct access to a place used by an otter for shelter or protection.

Due to the otter's protection, it is necessary to identify if they are utilising watercourses affected by the Scheme prior to any works commencing and to assess the likely effects of the works on otter. If otter is identified and will be affected by the proposed works, appropriate mitigation would be required, and it may be necessary to apply to Natural England for a European Protected Species (EPS) development licence.

### National Policy

The Natural Environment and Rural Communities (NERC) Act (2006), as amended, put an obligation on public bodies to have regard, so far as is consistent with the proper exercise of their functions, to the purpose of conserving biodiversity. Under the terms of the Act, conserving biodiversity includes restoring or enhancing populations and/or habitats. The local planning authority (LPA) or other determining authority must therefore consider the effects of planning applications upon biodiversity and how it can be mitigated for or enhanced.

A list of species and habitats 'of principal importance for the purpose of conserving biodiversity' is published under Section 41 of the NERC Act (2006). The list which includes 56 habitats and 943 species has been drawn up in consultation with Natural England and draws upon the previous UK Biodiversity Action Plan (BAP) List of Priority Species and Habitats which is now obsolete. Water vole are listed as a priority species on the NERC Act, 2006.

The revised National Planning Policy Framework (NPPF) published on 21st July 2021 (Ref 5) sets out the government's planning policies for nature conservation in England and how these are expected to be applied. This revised Framework replaces the previous NPPF published in July 2018.

The NPPF states the commitment of the UK Government to minimising impacts on biodiversity and providing net gains in biodiversity where possible, contributing to the Government's commitment to halt the overall decline in biodiversity. It specifies the obligations that the Local Authorities and the UK Government have regarding statutory designated sites and protected species under UK and international legislation and how this is to be delivered in the planning system. Protected or notable habitats and species can be a material consideration in planning decisions and may therefore make some sites unsuitable for particular types of development, or if development is permitted, mitigation measures may be required to avoid or minimise impacts on certain habitats and species, or where impact is unavoidable, compensation may be required.

## Local Policy

The relevant local planning policies specifically applicable to water vole and otter (or protected species as a whole) are provided in the [East Riding Local Plan Strategy Document](#) and the [East Riding of Yorkshire Biodiversity Action Plan](#) (BAP). Table 2 provides a brief summary of these policies and strategies. For the precise wording of each, please refer to the source document.

**Table 8 Summary of Relevant Local Planning Policies applicable for water vole and otter**

Document	Planning Policy	Purpose
East Riding Local Plan Strategy Document 2012 - 2029	Policy ENV4: Conserving and enhancing biodiversity and geodiversity	Sets out policy to conserve, restore, enhance or recreate biodiversity and geological interests. This includes priority species of which water vole is specified listed.
East Riding of Yorkshire BAP 2010	Water vole and otter are listed as a Local Priority Species (since 2010)	Ensure biodiversity targets are met and specific conservation objectives are achieved with respect to water vole.

## Local Biodiversity Action Plan (LBAP)

The East Riding of Yorkshire Biodiversity Action Plan (Ref 8) is a group of documents drafted by the East Riding of Yorkshire Biodiversity Partnership, who are responsible for drafting habitat and species action plans and ensuring biodiversity targets are met and specific conservation objectives are achieved with respect to these taxa. Otter and Water Vole are referenced on the Plan as follows: '*The East Riding appears to support regionally important populations of water vole especially in Holderness and the Hull Valley; drainage ditches not connected to main rivers may be particularly valuable to this species due to the lower risk of predation by feral American mink. Otter also has a stronghold in the Lower Derwent Valley*'.

Selby Biodiversity Action Plan (Ref 9) was drafted in 2004 by North Yorkshire County Council, Selby District Council and the Selby BAP Partnership and so is acknowledged that this is now dated. However the Plan does include species action plans for otter and water vole. Local status of otter at the time of writing was that it was known to occur on the Lower Derwent and Wharfe, with the Ouse and Selby canal acting as links. It is recognised that the distribution of otter has subsequently expanded.

## Annex 2 - Desk Study Records


Scientific Name	Common Name	Location	Grid Reference	Custodian	Survey	Recorder(s)	Date(s)	Record Type	Designation(s)	LBAP
<i>Arvicola amphibius</i>	European Water Vole	Howden	SE 75799 30128	NEYEDC	Ecological Consultant Records: Various Consultancies	Susannah Dickenson	01/04/2014		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole	Fraisthorpe	TA168627	NEYEDC	NBN Atlas OGL EA: Environment Agency Rare and Protected Species Records	Withheld (NBN Atlas)	01/07/2013		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole		TA 05913 56337	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	06/06/2015		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole		TA059584	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	20/03/2015		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole		TA 06503 55826	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	22/06/2014		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole		TA 05004 56761	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	02/06/2014		England_NERC_S.41; RedList_GB_post2001-EN; WACA-	Selby_LBAP


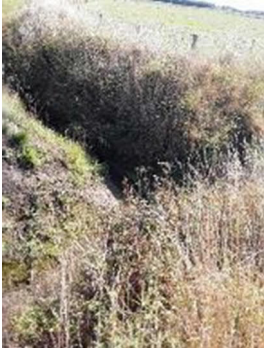
Scientific Name	Common Name	Location	Grid Reference	Custodian	Survey	Recorder(s)	Date(s)	Record Type	Designation(s)	LBAP
									Sch5_sect9.4a; WACA-Sch5_sect9.4b	
<i>Arvicola amphibius</i>	European Water Vole		TA 05080 56613	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	02/06/2014		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole		TA 05738 56174	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	02/06/2014		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Arvicola amphibius</i>	European Water Vole		TA0558	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	02/05/2011		England_NERC_S.41; RedList_GB_post2001-EN; WACA-Sch5_sect9.4a; WACA-Sch5_sect9.4b	Selby_LBAP
<i>Lutra lutra</i>	European Otter		TA 15085 60511	YWT	Yorkshire Wildlife Trust Reserve Records	Unknown (YWT recorder)	19/05/2016		Bern-A2; ECCITES-A; England_NERC_S.41; HabDir-A4; HabReg-Sch2; WACA-Sch5_sect9.4b; WACA-Sch5_sect9.5a	Selby_LBAP








## Annex 3 - Detailed field survey results



### Section 1: Landfall at Fraisthorpe to Bainton (East Riding of Yorkshire)



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC126	N/A	N/A	N/A	N/A	N/A	Ditch not surveyed, but it is connected directly to WC1. Therefore, water vole potentially present. Within the planning application boundary.	N/A
WC1 (Auburn Beck)	TA 16401 63406 & TA 16430 63531	14.10.21	A slow flowing ditch with steep earth banks vegetated with brambles and common nettles. The channel is approximately 30cm deep and typically 1m in width. The eastern reach of the ditch becomes wider with shallower less steep banks with a reduction in vegetation cover. In channel vegetation is limited with the ditch under recent maintenance.	Yes – latrine and feeding remains.	No	Water vole present. Ditch likely to yield an increase in field signs during optimal survey window (April – September). Otter likely absent.	
WC123	N/A	N/A	N/A	N/A	N/A	No access – further assessment required/assume presence of water vole.	N/A
WC2	N/A	29.10.21	Watercourse found to be a dry ditch. Unsuitable to support water vole or otter.	N/A	N/A	Dry ditch, scoped out from further assessment.	N/A




Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC3	TA 15034 62753	27.7.21	A slow flowing ditch with earth banks and dense bankside vegetation on steep earth banks including meadowsweet, great willowherb, common nettle, cocksfoot and false oat-grass. The channel is typically 1m wide with a depth of around 10cm with negligible in-channel vegetation due to amount of shading from brambles and great willowherb which dominate at times. Channel is likely to fluctuate by up to +/- 10cm during heavy rain and drought conditions. The ditch had been recently managed, with the base and one side having a marked reduction in vegetation. In-channel vegetation includes duckweed and starwort.	No	No	Ditch considered sub-optimal habitat for water vole, scoped out from further assessment and water vole considered likely absent. Stoat scat recorded. Otter considered likely absent.	
WC4 (Carr Dike)	N/A	N/A	Slow running ditch with steep earth banks. Channel has been recently managed along with northern bank leaving it devoid of vegetation. Channel is typically 1m wide with a depth not greater than 10cm.	No	No	Ditch considered sub-optimal habitat for otter and water vole and scoped out from further assessment.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC5	TA 14662 61813 to TA 14563 61841	13.10.21	Steep vegetated earth banks with rank unmanaged riparian habitat. The channel is slow moving and approximately 1.5m in width with a typical depth of 20cm. The ditch has been recently subject to disturbance through the installation of field drain outfall points, and this may have contributed to the ditch holding water when it was previously found to be dry.	No	No	Water vole and otter considered likely absent. Scoped out from further assessment.	
WC6 (The Earl's Dike)	TA 14298 61264 to TA 14454 61346	13.10.21	A ditch with a steady flow which is up to 2m wide, and 0.5m at its deepest. It is steep sided and was subject to recent management, with a vegetation cut on the south bank. Dense ruderal vegetation is present on the north bank dominated by common nettle.	No	No	Water vole considered likely absent. Small vole (bank or field) droppings recorded. Rat droppings throughout surveyed section. Scoped out from further assessment. Otter potentially present.	
WC128	N/A	N/A	Partially dry ditch with food and cover plants only on one bank.	N/A	N/A	Requires further assessment to scope out. Ditch is within the planning application boundary.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC7 (Burton Drain)	TA 13511 60434 to TA13460 60534	27.7.21	A field ditch typically 10cm deep with a width of 1m. It has steep earth banks and limited shading from trees. Tussocky grasses are present with great willowherb, meadowsweet and occasional common reed throughout the channel. The eastern bank had been recently managed.	No	No	Feeding remains and droppings of small vole (bank or field) recorded. Water vole and otter considered to be likely absent and scoped out from further assessment.	
WC8	TA 12952 60453 to TA 12919 60372	27.7.21	A ditch up to 2m wide with a maximum depth of 10cm, but much of the channel was dry at the time of the survey. Steep 45 degree vegetated banks to 3m high, which are overgrown and unmanaged with tall ruderal vegetation and scattered bramble. Sparse aquatic vegetation and bare earth in small stretches. Species present include meadowsweet, greater willowherb, cocksfoot, false oat grass, hogweed and common nettle.	No	No	Water vole and otter considered likely absent and scoped out from further assessment.	
WC99	N/A	N/A	A dry ditch located immediately outside the route corridor.	N/A	N/A	Dry ditch, scoped out from further assessment.	N/A
WC9	N/A	N/A	N/A			Route change, no longer impacted and scoped out from further assessment.	N/A
WC100	N/A	N/A	Shallow sloping ditch with adjacent unmanaged hedgerow providing sub-optimal shading inhabiting	N/A	N/A	Ditch likely to be dry most of the year and isolated from wider ditch	N/A


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
			desirable plant growth. Running water approximately 1m in width with a depth not exceeding 20cm. The ditch was assessed in November 2021 and it is likely it is dry throughout most of the year. Looks to not hold Water all year round.			network via culverting. Scoped out from further assessment.	
WC10	N/A	N/A	Ditch running along arable field boundary which connects to WC10. The ditch is up to 1m in width with a depth not exceeding 0.2m. It had well-vegetated banks with cocksfoot, common nettle, cow parsley and occasional bramble patches.	N/A	N/A	Not surveyed, but links to WC11, so water vole and commuting/ foraging otter likely present.	
WC11 (Gransmoor Drain)	TA 10386 60270 to TA 10821 60192  TA 11000 59649 to TA 11008 59728  TA 11090 59515 to TA 11013 59625	10.6.21 and 14.7.21	A slow flowing stream with a typical width of 1.5m and a depth of 20cm. Shallow sloping banks less than 45 degrees, with dense bankside vegetation including reed canary grass, meadowsweet, yellow flag and common nettle, with occasional stands of in-channel common reed. There is occasional shading from bankside trees, albeit limited in nature. No evidence of recent management.	Yes, latrines, feeding remains and burrows.	Yes - spraint	Route alignment has changed since survey undertaken, so impacted section not surveyed. Water vole and otter considered likely to be present. Manager at adjacent Clifford Watts Quarry gave anecdotal evidence of an otter sighting on his arrival at work one morning.	
WC101	N/A	N/A	A dry ditch associated with a road side hedgerow.	N/A	N/A	Scoped out from further assessment.	N/A
WC102	N/A	N/A	A dry ditch associated with a roadside hedgerow.	N/A	N/A	Scoped out from further assessment.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC103	N/A	N/A	A ditch just inside route boundary, not accessed.	N/A	N/A	Further assessment required, no access. Ditch inside Working Width Rev08.	N/A
WC104	N/A	N/A	A dry ditch just outside the route corridor.	N/A	N/A	Scoped out from further assessment.	N/A
WC105	N/A	N/A	A shallow drainage ditch adjacent to hedgerow, 2m wide with steep banks 2m high. Few stands of common reed in channel, earth substrate and turgid water up to 15cm deep. No macrophytes in channel, with bankside vegetation of rank grasses and tall ruderals.	N/A	N/A	Requires further assessment.	
WC12	N/A	N/A	N/A	N/A	N/A	EOS design evolved; scoped out from further assessment.	N/A
WC13 (Kelk Beck)	N/A	N/A	A substantial watercourse approximately 5m wide with 1.5m high vertical banks, and a depth likely to exceed 1m with a strong current. Banks fringed with marginal vegetation including common reed, reed canary grass and rafts of common water-crowfoot. Channel has no visible macrophytes due to high levels of turbidity.	N/A	N/A	Unsafe to survey on foot from within channel, water vole and otter potentially present.	
WC106	N/A	N/A	N/A	N/A	N/A	No access, may require further assessment.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC107	N/A	N/A	N/A	N/A	N/A	No impact, scoped out.	N/A
WC108	N/A	N/A	N/A	N/A	N/A	No impact, scoped out.	N/A
WC109	N/A	N/A	Steep sided ditch approximately 2m wide with a 20cm water depth. The channel is choked with brambles and common reed, with earth banks vegetated with frequently occurring cocksfoot, brambles, hogweed and cow parsley with occasionally occurring field rose and spear thistle.	N/A	N/A	Requires further assessment.	
WC14	N/A	N/A	Steep trackside verge with associated running ditch approximately 1.0m wide with a shallow depth up to 10 cm deep. Limited vegetation for water vole and adjacent hedgerow does provide sub-optimal conditions through shading.	N/A	N/A	Requires further assessment.	
WC15	N/A	N/A	Steep earth banks with poor semi-improved grassland comprising of false oat-grass, common nettle, hogweed, cow parsley, sow thistle and creeping thistle. Well-vegetated channel dominated by rosebay willowherb with bulrush and meadowsweet,. Ditch held running water at the time of the	N/A	N/A	Further assessment required.	


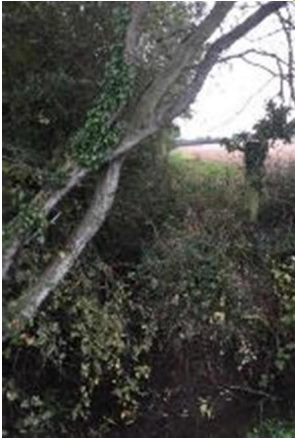
Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
			survey with a depth up to 40cm, and a width not exceeding 2m.				
WC110	N/A	N/A	N/A	N/A	N/A	No impact – scoped out.	N/A
WC111	N/A	N/A	N/A	N/A	N/A	No impact – scoped out.	N/A
WC16	TA 07615 58526 to TA 07636 58567	14.7.21	Steep earth banks suitable for burrowing and plenty of food plants and cover for water vole; suitable as commuting habitat for otter. The ditch is approximately 1m wide and 15cm deep with a slow flow. It is shaded on northern side by an adjacent hedgerow. Dense bankside vegetation on tall steep banks. Recently dredged.	Yes, latrine.	No, likely present at times.	Water vole confirmed. Impacted section not surveyed, but water vole likely to be present due to signs located c.200m upstream. Access/ egress difficult, survey halted once water vole confirmed. Grass snake recorded.	







Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC17 (White Dike)	TA 07651 58175 to TA 07625 58209	14.7.21	A farm ditch approximately 0.5m wide with a maximum depth of 5cm. No flow at the time of the survey. The ditch is shaded by adjacent trees and shrubs leading to limited in-channel vegetation. The ditch is well-maintained, probably on a bi-annual basis with a recently dredged bare channel base. Dense brambles and dog rose crossing span of ditch. Cocksfoot and false oatgrass, cow parsley, perennial ryegrass and hogweed also present.	No	No	Water vole and otter considered likely absent, low water depth and limited food and cover. Scoped out from further assessment.	
WC112	N/A	N/A	No access to isolated ditch fragment.	N/A	N/A	No access – isolated ditch: water vole and otter likely absent, but would require field verification. Within the planning application boundary.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC18	TA 07385 57792	14.7.21	Ditch did not hold water at the time of the survey. Vegetation present included common nettle, meadowsweet, hogweed, bulrush, perennial ryegrass, hogweed and occasional brambles.	No	No	Water vole and otter considered likely absent due to lack of suitable habitat (water depth). Scoped out from further assessment.	
WC19 (Nafferton Highland Stream)	TA 07167 57693 to TA 07228 57588	14.7.21	Steep sided earth banks bind an approximately 2m wide stream between two arable fields. Vegetation present includes perennial ryegrass, red fescue, brambles, cow parsley, hogweed, common nettle, creeping buttercup, creeping Jenny, dandelion, creeping thistle, curled dock, cocksfoot, meadowsweet, crosswort, ribwort plantain, field horsetail, herb Robert and ground ivy.	No	No	Water vole considered likely absent. Potential for commuting otter. Scoped out from further assessment.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC20	TA 06974 57516 to TA 06962 57540	14.7.21	Dry Ditch with occasional standing water and sloping vegetated sides suitable for water vole. Vegetation includes but is not limited to creeping thistle, common comfrey, perennial rye grass and red campion.	No	No	Water vole and otter likely absent due to lack of sufficient water depth. Scoped out from further assessment.	
WC21	TA 06762 57459	13.10.21	A dry ditch associated with an adjacent hawthorn dominated hedgerow.	No	No	Ditch scoped out from further assessment as habitat is unsuitable for riparian species.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC22 (Nafferton Beck)	N/A	13.10.21	A substantial beck up to 6 m wide with a maximum depth of 40cm. Vegetated earth banks suitable for burrowing with perennial ryegrass, cow parsley, rosebay willowherb, butterbur, and occasional in-channel patches of bullrush.	N/A	N/A	Survey found no signs, but undertaken at sub-optimal time. Further assessment required. Otter potentially present.	
WC23	N/A	19.10.21	A wet ditch approximately 1m in width with shallow water not exceeding 10cm in depth. Shaded banks with vegetation limited to occasional common nettle, rosebay willowherb and curled dock. Macrophytes present include locally abundant fool's watercress.	N/A	N/A	Water vole and otter considered likely absent due to lack of sufficient water depth. Scoped out from further assessment.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC24	TA 05908 56972 and TA 05681 56499	27.8.21	Dry ditch associated with a hawthorn-dominated hedgerow found to be dry at the time of survey.	No	No	Lack of suitable habitat for riparian mammals, scoped out from further assessment.	
WC25, WC26, WC27 & WC28		N/A	N/A	N/A	N/A	Not accessed/ surveyed. However, further assessment may be required for haulage routes (HDD is planned for these watercourses in close proximity to River Hull Headwaters SSSI).	N/A
WC113	TA 05528 55800	25.8.21	Heavily shaded ditch from unmanaged hawthorn and blackthorn boundary.	No	No	Habitat considered sub-optimal for water vole and considered likely absent; potential for otter to be present as connected to WC28 and River Hull (WC27)	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC129	N/A	N/A	Mapped as a (shaded) dry ditch in Phase 1.	N/A	N/A`	Remotely mapped as a dry ditch; would require field verification. Ditch within the planning application boundary.	
WC29	TA 04324 55633	25.8.21	Shaded ditch, 0.5m wide with shallow standing water not exceeding 5cm in depth in ditch adjacent to improved pasture land.	No	No	Ditch considered too isolated from wider ditch network, too shallow and too shaded. Water vole and otter considered likely absent. Scoped out from further assessment.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC130	N/A	N/A	Limited field notes from Phase 1, 2 photos on Field Mapper, 1 of which looks good for water vole with water depth and cover/ food plants. Second photo habitat is poor (gone with better here). Shallow ditch to 30cm deep and 1.5m in width with meadow foxtail, bracken and perennial ryegrass.	N/A	N/A	Needs verification via field survey as ditch in the planning application boundary.	
WC30	N/A	N/A	A running ditch approximately 30cm deep with a width of 1.5m. Earth banks and a silty substrate wide ditch, silt bottom and steep vegetated sides with meadow foxtail, bracken, perennial rye grass, rosebay willowherb, common nettle and coltsfoot.	N/A	N/A	Further assessment required.	
WC131	N/A	N/A	Isolated ditch – not surveyed.	N/A	N/A	Isolated ditch with associated hedgerow. Unlikely to support water vole, but would require	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
						further survey. Ditch within the planning application boundary.	
WC132	N/A	N/A	(Limited notes from Phase 1) Wet overgrown ditch with earth banks and food and cover for water vole.	N/A	N/A	Requires further survey; within the planning application boundary.	
WC31	N/A	N/A	N/A	N/A	N/A	Not impacted, scoped out.	N/A
WC114	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC115	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required. Immediately adjacent to route corridor.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC116	TA 03487 54689		Dry ditch with common knapweed, false oat-grass and occasional brambles and dog rose.	N/A	N/A	Scoped out from further assessment due to unsuitable habitat.	
WC117	TA 03275 54374 to TA 03301 54531	15.10.21	Well vegetated ditch with dominant common reed, cocksfoot and false oat-grass. Wide field margins with tufted vetch, tufted hair grass, cocksfoot, meadow vetchling and ribwort plantain. Ditch approximately 1m in width with a depth in excess of 10cm.	N/A	N/A	Late survey, cannot confirm water vole absence. Further assessment required. Potential for otter as linkages to WC33 (Knorka Dike).	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC32	TA 03104 54308 to TA 03081 54361	15.10.21	Densely veg ditch dominated by common reed with false oat-grass and cocksfoot. Channel approximately 40cm wide, with a depth not exceeding 15cm.	No	No	No impact – scoped out.	
WC33 (Knorka Dike)	TA 03053 54314 to TA 03253 54251	15.10.21	Running ditch up to 2m in width with a depth no greater than 20cm. Gravel substrate with earth banks with occasional common reed in channel with meadowsweet, false oat-grass, creeping thistle, common nettle and brambles.	No	No	Water vole considered potentially present as late survey. Needs reassessing in optimal window. Otter potentially present as linked to WC35 Northfield Beck.	
WC34	N/A	N/A	N/A	N/A	N/A	No impact – scoped out.	N/A


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC35 (Northfield Beck)	TA 02277 53881 to TA 02425 53911	3.6.21	Flowing ditch up to 1.5m wide with a depth typically of 10cm, with occasional deeper areas to 30cm. Tall tussocky grasses present on bankside including timothy with red campion, crosswort, false oat-grass and Yorkshire fog. Ditch is managed.	Yes, latrines, burrows and feeding remains	Yes, print.	Numerous water vole latrines recorded throughout ditch. Otter present.	
WC36	N/A	N/A	N/A	N/A	N/A	No access. Further assessment required.	N/A
WC37	N/A	N/A	N/A	N/A	N/A	No access. Further assessment required.	N/A
WC38	N/A	N/A	N/A	N/A	N/A	Not impacted - scoped out from further assessment.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description of watercourse	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph (representative of habitat)
WC39	TA 01122 52931 to TA 01228 52703	19.10.21	A ditch with a 1m wide channel that is approximately 20cm deep with silt bottom. Sloped vegetated banks 2.m tall dominated by perennial ryegrass with occasional common nettle and creeping thistle.	No	No	Water vole likely absent, but would require further survey in optimal window to confirm.Otter likely absent, isolated ditch.	
WC40	TA 00684 52902 to TA 00470 52785	19.10.21	A wet ditch approximately 1m in width and depth of 5cm. Limited food plants for water vole.	No	No	Unsuitable habitat, scoped out from further assessment. Now outside the planning application boundary.	



**Section 2: Bainton to Market Weighton (East Riding of Yorkshire)**

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC118	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC41	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC133	N/A	N/A	Isolated ditch – not surveyed.	N/A	N/A	Water vole unlikely, but will require field survey to rule out. Within the planning application boundary.	N/A
WC42	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC43	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC44	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC45	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A


### Section 3: Market Weighton to River Ouse (East Riding of Yorkshire)



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC46	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC47	N/A	N/A	N/A	N/A	N/A	Not surveyed, further assessment required.	N/A
WC48 (Beil's Beck)	N/A	N/A	N/A	N/A	N/A	No impact predicted to this section of Beil's Beck, so scoped out from further assessment.	N/A
WC49	N/A	9.6.21	Drainage ditch at base of hedgerow, dense algal matting over shallow water (less than 5cm deep). Ditch is shaded by hedgerow.	No	No	Likely absent - scoped out from further assessment as habitat unsuitable.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC50	N/A	9.6.21	Ditch found to be dry during assessment with little vegetative cover.	No	No	Scoped out from further assessment, in addition ditch avoided by HDD.	
WC51 (Back Delfin)	SE 85044, 37295 to SE 84331, 36903	9.6.21	A managed watercourse approximately 2m wide and up to 50cm in depth, although typically much shallower than this. Earth banks with occasionally tussocky vegetation with a silty substrate.	Potential burrow	Yes, otter prints.	Otter present, and water vole potentially present. Further assessment required.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
P99 (Pond 99)	N/A	N/A	A former canal approximately 10m in width with depth likely to exceed 1m. Densely vegetated banks provide cover and food for water vole with fool's watercress, reed canary grass and great willowherb.	N/A	N/A	Further assessment required if haul road impacts are anticipated. Otter potentially present.	
WC52 (Egremont Drain)	N/A	N/A	A 1m wide channel with a depth of approximately 20cm. Steep vegetated banks of poor semi-improved grassland.	N/A	N/A	Further assessment required to scope out water vole. Otter potentially present given proximity of WC51 Beils Beck.	







Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC134	N/A	N/A	Mapped as dry ditch on Field Mapper.	N/A	N/A	Likely to be a dry ditch and unsuitable for water vole. Will require further assessment as within the planning application boundary.	N/A
WC53	N/A	N/A	A hedgerow with an associated dry ditch, only likely to hold water during autumn and winter and isolated from wider ditch network.	N/A	N/A	Unsuitable habitat for riparian mammals, scoped out from further assessment.	
WC54	N/A	N/A	A defunct hedgerow with an associated dry ditch, only likely to hold water in the autumn and winter months.	N/A	N/A	Unsuitable habitat for riparian mammals and scoped out from further assessment.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC55	N/A	5.8.21	A running ditch approximately 1m wide with a depth not greater than 20cm. The ditch is shaded by an adjacent hedgerow limiting in-channel vegetation growth and to a lesser extent bankside vegetation, with mugwort, common nettle and creeping thistle.	No	No	Unsuitable habitat for water vole, otter potentially present given linkages to wider watercourse network WC52 & WC51.	
WC56	N/A	26.8.21	Dry ditch adjacent to managed hawthorn hedgerow.	No	No	Unsuitable habitat for water vole; likely absent. Scoped out from further assessment.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC135	N/A	N/A	Not surveyed, Isolated section of ditch, likely to be dry.	N/A	N/A	Likely to be dry and unsuitable for water vole/ otter. Requires further assessment as ditch is within the planning application boundary.	N/A
WC57	N/A	26.8.21	Ditch which held water at the time of the scoping assessment but was not readily visible due to dense in-channel vegetation dominated by common reed.	N/A	N/A	Further assessment required.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC58		26.8.21	Ditch dry at time of survey, with sparse aquatic vegetation and bare earth in channel. Tall ruderal and improved grassland on steep banks with scattered bramble.	No	No	Unsuitable habitat, scoped out from further assessment.	
WC59 (Main Drain)	SE 81503 35411 to SE 81537 35382; SE 81714 35215 to SE 81757 35176.	21.7.21	A well vegetated flowing ditch up to 1.2m in width with a depth not greater than 0.3m deep. Occasional dense in-channel vegetation with reed canary grass, false oatgrass, meadowsweet, common knapweed. Bankside vegetation includes comfrey, cocksfoot, Yorkshire fog. Subject to some management, and banks occasionally reinforced with timber shoring.	Yes	No	Water vole latrines, feeding remains and burrows where ditch opens out beyond mature boundary. Ditch is being avoided through HDD, but haul road may impact.	
WC60	N/A	N/A	N/A	N/A	N/A	Not accessed, further assessment required.	N/A



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC61	SE 81208 35026	21.10.21	Dry ditch forming a field boundary dominated by perennial rye grass with occasional hogweed and common nettle.	No	No	Unsuitable habitat, scoped out from further assessment.	
WC62	SE 81028 34888	21.10.21	Dry ditch with associated hawthorn hedgerow. Perennial rye grass dominated with occasional common nettle and hog weed.	No	No	Unsuitable habitat, scoped out from further assessment.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC63	SE 80446 34511 to SE 80577 34639	21.10.21	Wet ditch approximately 30cm x 50cm with bankside vegetation dominated by perennial rye grass with occasional hogweed and common nettle. Banks have wooden planks at water level.	No	No	Ditch would require further assessment to scope out water vole. Otter likely absent.	
WC64	SE 80268 34307	8.9.21	Dry ditch associated with hawthorn hedgerow.	N/A	N/A	Unsuitable habitat, scoped out from further assessment.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC65	SE 79726, 33885 to SE 79797, 33997	8.9.21	Densely vegetated wet ditch with reed canary grass and meadowsweet.	No	Yes - spraint	Water vole likely absent and scoped out from further assessment. Otter spraints under culvert adjacent to River Foulness WC66.	
WC66 (River Foulness)	N/A	18.8.21	A main river up to 4m in width with a depth exceeding 1m. Well vegetated earth banks with flote grass, reed canary grass and redshank.	N/A	Yes	Not surveyed as considered too deep to survey safely. Otter confirmed in immediately adjacent WC65; water vole potentially present.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC136	N/A	N/A	Not surveyed. Connectivity to WC67 and WC68. Ditch potentially dry.	N/A	N/A	Ditch potentially dry, will require further survey as it is within the Working Width of Rev08.	N/A
WC137	N/A	N/A	Not surveyed. Isolated ditch with poor connectivity.	N/A	N/A	Water vole and otter unlikely as ditch is isolated. Will require further assessment to scope out. Ditch located within the planning application boundary.	N/A
WC138	N/A	N/A	Not surveyed. Shaded ditch.	N/A	N/A	Requires further assessment as ditch within the planning application boundary.	

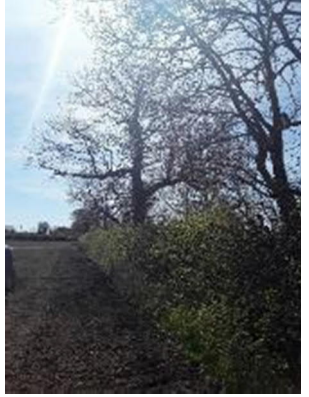




Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC67	SE 79311, 32414 to SE 79405, 32510	21.10.21	Well vegetated earth banks with false oatgrass, cocksfoot and common nettle. Channel approximately 1.5m wide with a depth not greater than 30cm.	No	No	Further assessment required to scope out. Otter potentially present.	
WC68	N/A	22.7.21	Dry ditch overgrown with bramble, rosebay willowherb and teasel.	No	No	Scoped out from further assessment.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC139	N/A	11.08.21	Dry ditch with improved grassland verges with species including cocksfoot, perennial ryegrass and hogweed.	No	No	Unsuitable for otter or water voles. Scoped out of further assessment. Within the planning application boundary.	
WC124	N/A	N/A	N/A	N/A	N/A	No access - further assessment required.	N/A
WC125	N/A	N/A	N/A	N/A	N/A	No access - further assessment required.	N/A
WC69	N/A	N/A	N/A	N/A	N/A	No access - further assessment required.	N/A
WC70	N/A	N/A	N/A	N/A	N/A	Further assessment required.	N/A


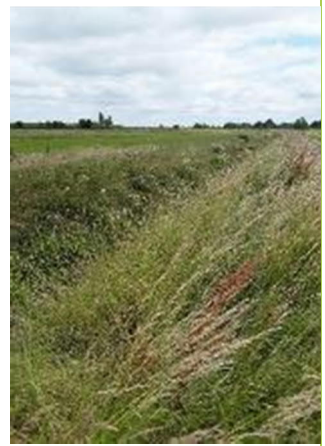
Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC71	N/A	8.11.21	Dry ditch with common reed, perennial ryegrass and false oatgrass.	N/A	N/A	Unsuitable habitat, scoped out from further assessment.	
WC140	N/A	9.08.21	Managed vegetated ditch, predominantly dry with occasional wet areas to 10cm in depth.	N/A	N/A	Water vole and otter scoped out given absence of continual water of a sufficient depth. Ditch within the planning application boundary.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC72	N/A	N/A	Predominantly dry ditch with occasional standing water. Earth banks with tall ruderal vegetation.	N/A	N/A	Unsuitable habitat, scoped out from further assessment.	
WC73	N/A	N/A	Predominantly dry ditch with very occasional aquatic species including reed canary grass suggesting damp habitat. However negligible suitability, isolated limited bank habitat or margin to support water vole or otter.	N/A	N/A	Unsuitable habitat, scoped out from further assessment	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC74 (east of Wood Lane B1228)	N/A	N/A	Dry drainage ditch beneath with hawthorn hedgerow with trees. Overshaded, no aquatic vegetation or water present.	N/A	N/A	Unsuitable habitat, scoped out from further assessment.	
WC75	N/A	N/A	N/A	N/A	N/A	Further assessment required.	N/A
WC119	N/A	N/A	Dry managed ditch with steep vegetated banks.	No	No	Unsuitable habitat, scoped out from further assessment.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC120	N/A	N/A	N/A	N/A	N/A	Not impacted by scheme, scoped out from assessment.	N/A
WC76	SE 74682 30301	9.10.21	Dry, tree-lined managed ditch	N/A	N/A	Habitat not suitable for riparian species and scoped out from further assessment.	



Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC77	SE 74219 30359	21.4.21	Dry ditch lined with semi-mature oaks	N/A	N/A	Habitat unsuitable for riparian species and scoped out from further assessment.	
WC78	SE 73264 30165 to SE 73293 30030	15.7.21	A shallow static ditch approximately 0.4m wide and up to 0.1m deep. Tussocky grass banks with occasional dense in-channel vegetation with common reed and bulrush. Ditch unmanaged at the time of the survey, but other ditches under same land ownership had been flailed.	No	No	Shallow water depth unsuitable for riparian species and scoped out from further assessment.	


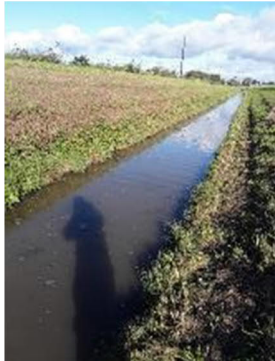
Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC79	SE 72563 29637	15.7.21	A shallow 10cm deep ditch along a field boundary adjacent to a hedgerow, bordered by improved grassland with common nettle, perennial ryegrass, marsh marigold and hogweed.	N/A	N/A	Ditch flailed immediately prior to planned survey – choked with flailed vegetation so any signs hidden or obliterated. Further assessment for water vole is required if haul road used to cross as ditch is subject to HDD. Otter likely absent.	
WC80	SE 72334 29141 to SE 72176 29187	15.7.21	Slow flowing ditch approximately 3m wide and up to 40cm deep. Steep earth banks with grasses and ruderals. The ditch is subject to management.	Possible.	No	Small vole (bank or field) feeding remains. Potential water vole burrows, but presence not confirmed through latrines/ droppings. Further assessment required.	




Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC141	N/A	N/A	Not surveyed. Additional ditch.	N/A	N/A	Additional ditch within the planning application boundary.	N/A
WC81	SE 71418 28814 to SE 71655 28740	21.10.21	A wet ditch approximately 1m wide with a depth of 10cm. Silt substrate with earth banks vegetated with perennial ryegrass and false oatgrass.	No	No	"Plop" sound heard amongst ditch vegetation. Water vole burrows and latrine recorded. Otter likely absent.	
WC82	SE 71404 28534 to SE 71405 28801	21.10.21	A managed wet ditch approximately 30cm wide and 20 cm deep. The southern half of ditch is overgrown with channel vegetation and northern half managed with steep (mown grass) banks.	No	No	Sub-optimal habitat for water vole, but proximity to WC81 calls for a cautious approach. Further assessment required.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC121	N/A	N/A	A wet ditch approximately 1m in width with clear water and silt substrate. Vegetated earth banks with perennial ryegrass, false oatgrass and water crowfoot present in the channel.	No	No	Not surveyed, but water vole potentially present given proximity of WC81 and suitability of habitat. Further assessment may be required. Otter likely absent.	
WC83	SE 70886 27970	22.10.21	A field drain with 2m sloping banks vegetated with common reed and rank grasses. A 15cm deep channel is overgrown with common reed and duckweed cover. The ditch shallows towards the proposed crossing point becoming dry.	No	No	Habitat unsuitable for riparian species and scoped out from further assessment.	


Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC122	N/A	N/A	Managed shallow ditch approximately 0.3m wide and 5cm deep.	N/A	N/A	Unsuitable riparian mammal habitat and ruled out from further assessment.	
WC84	N/A	22.10.21	Former field boundary, not a ditch.	N/A	N/A	Habitat unsuitable for riparian species and scoped out from further assessment.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC85	SE 69950 27456 to SE 70127 27412	30.7.21	An overgrown ditch with common reed, field bindweed and rank grasses including false oat grass.	Possibly	No	Ditch surveyed in Oct 2021 following management, with potential aged water vole feeding remains. Resurvey in optimal window. Otter likely absent.	
WC86 (Lowfield Drain)	SE 69647 27545 to SE 69604 27331	22.10.21	Recently managed tidal ditch, approximately 2.5m wide with a maximum depth of 0.5m. Identifiable plants present include Yorkshire fog, water figwort, duckweed, cow parsley, broad-leaved dock, common nettle, meadowsweet and coltsfoot.	Yes	No	Numerous water vole burrows, latrines and feeding remains along surveyed length. Otter likely absent.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC87	SE 69252 27324 to SE 69042 27451	21.10.21	Field drain linked to WC86 with a width of 40cm and a depth of approximately 20cm. Vegetation present comprises cow parsley, cocksfoot, red clover, ribwort plantain, false oat grass, hogweed and reed canary grass.	No	No	Habitat appears suitable for water vole, potentially present as ditch linked to WC86. Further assessment required. Otter likely absent.	

### Section 4: Ouse south to Proposed Converter (Selby District Council)

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC88 (River.Ouse)	N/A	N/A	Major tidal river.	N/A	N/A	Unsafe to survey, otter likely to be present. Tidal activity/ strength of flow likely to preclude water vole. River Ouse subject to HDD so scoped out from further assessment.	N/A
WC89	SE 68091 27196		Dry ditch with lesser celandine, common nettle, hogweed, cow parsley, white dead nettle and rank grasses within and on bank. small patch of reed canary grass on bank.	N/A	N/A	Unsuitable habitat for riparian species. Scoped out from further assessment.	

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC90	SE 67928 27034	N/A	Dry ditch, likely to be temporarily wet with invading ruderal species.	N/A	N/A	Unsuitable habitat for riparian species. Scoped out from further assessment.	
WC91	N/A	N/A	N/A	N/A	N/A	Further assessment required to scope out.	N/A
WC92	N/A	N/A	N/A	N/A	N/A	Further assessment required to scope out.	N/A
WC93	N/A	N/A	N/A	N/A	N/A	Further assessment required to scope out.	N/A
WC94	N/A	N/A	N/A	N/A	N/A	On periphery of scheme, may need to be further assessed to scope out.	N/A
WC95	N/A	N/A	N/A	N/A	N/A	Outside scheme, scoped out.	N/A
WC96	N/A	N/A	N/A	N/A	N/A	On periphery of scheme, may need to be further assessed to scope out.	N/A
WC97	N/A	N/A	N/A	N/A	N/A	Outside scheme, no further assessment required. Scoped out.	N/A

Watercourse Reference (and name if applicable)	Survey start & end points (OS Grid Reference)	Survey date	Description	Evidence of Water Vole Found?	Evidence of otter found?	Comments	Photograph
WC98	N/A	N/A	N/A	N/A	N/A	Outside scheme, no further assessment required. Scoped out.	N/A





