



Plate 6: Small mammal feeding evidence.



Plate 7: Possible water vole burrows.

- 3.2.4** No definitive evidence of water vole e.g. latrines/ droppings were observed during the surveys on the water vole rafts.

Otter

- 3.2.5** No definitive evidence of otters was observed during the surveys.

4.0 EVALUATION AND CONCLUSIONS

- 4.1.1 The surveys conducted to date at the site have found that habitat suitable for water voles and otters can be found in 30 ditches across the site. In the 2022 presence/ likely absence surveys, none of the ditches had water vole field signs or otter field signs recorded. It is therefore considered that neither species poses a constraint to the proposed development and they are absent from the red line boundary.

5.0 REFERENCES

Dean, M., Strachan, R., Gow, D. and Andrews, R. (2016) The Water Vole Mitigation Handbook (The Mammal Society Mitigation Guidance Series). Eds Fiona Matthews and Paul Chanin. The Mammal Society, London

6.0 FIGURES

Figure 1 – Ditch Locations



Legend:

- Site boundary
- 2021/2022 survey area
- Watercourse location

00	29/05/2024	2487033	TG	EC	KOB
Rev	Date	Description	Drm	Chk	App

P&C EAF

RSK biocensus
EXPERTS IN ECOLOGY

TITLE: Figure 1:
Watercourse locations

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Metres

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APPENDIX A – EDNA RESULTS



RSK Biocensus is owned by RSK Environment Ltd

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Sample ID: 469222201-Sample T

Client Identifier: T1

Sample Description: Container of intact droppings

Date of Receipt: 20/06/2022

Material Tested: 1 dropping processed

Determinant	Result (closest match)	Method	Date of DNA Sequence Analysis
Cytochrome oxidase subunit 1 (COI) DNA sequence	<i>Neomys fodiens</i>	DNA extraction from a single dropping followed by PCR amplification of a short fragment of the COI gene, DNA sequencing and comparison to a database of known DNA sequences for species identification	24/06/2022

Sequence Alignment*	Sequence Identity	108/111 (97%)
Query 1 TTCCCTCGAATAAATAATATAAGCTTTTGACTGCTTCCCCATCTTTCTTCTACTTTTA 60		
Sbjct 5620 TTCCCTCGAATAAATAATATAAGCTTTTGACTGCTTCCCCATCTTTCTTCTACTTTTA 5679		
Query 61 GCTTCATCTACAGTTGAAGCCGGTGCATGGCACTGGATGGACAGTTTATCC 111		
Sbjct 5680 GCTTCATCTACTGTTGAAGCAGGTGCA-GGCACTGGATGGACAGTTTATCC 5729		

Report Prepared by: Dr Steve Kane

Report Issued by: Dr Helen Rees

Signed:



Signed:



Position: Research Scientist

Position: Director: Biotechnology

Date of preparation: 28/06/2022

Date of issue: 28/06/2022

*DNA sequence alignment for the test sample (Query) matched to a known sequence (Sbjct).

*The identity or percentage match of the two sequences (ideally 100%).

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Sequence Alignment*	Sequence Identity	167/168 (99%)
Query 1 CTGACTTATTCCATTAATGATTGGGGCCCTGATATAGCATTCCTCGAATAAATAATAT 60		
Sbjct 5580 CTGACTTATTCCATTAATGATTGGGGCCCTGATATAGCATTCCTCGAATAAATAATAT 5639		
Query 61 AAGCTTTTGACTGCTTCCCCCATCTTTTCTTCTACTTTTAGCTTCATCTACTGTTGAAGC 120		
Sbjct 5640 AAGCTTTTGACTGCTTCCCCCATCTTTTCTTCTACTTTTAGCTTCATCTACTGTTGAAGC 5699		
Query 121 AGGTGCAGGCACTGGATGGACAGTTTATCCTCCATTAGCCGAAACCT 168		
Sbjct 5700 AGGTGCAGGCACTGGATGGACAGTTTATCCTCCATTAGCCGAAACCT 5747		

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