
Appendix 15.7
Otter Survey Records

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Table 41. Otter Survey Records

Survey Type	Survey Date	Comment	Distance from Redline Boundary
Bankside Assessment	20/06/2018	Spraints (x 7) along and under 1st arch of southern side of existing N2 bridge	0.0043 km northwest
Bankside Assessment	20/06/2018	Possible couche and slide into deeper water	0.068 km southeast
Bankside Assessment	20/06/2018	1 print in sandy river access. Slide from bank into deep water	0.1525 km northeast
Bankside Assessment	20/06/2018	Multiple spraints along trail fronting Mill House fence. Land has been sprayed	0.2064 km north
Bankside Assessment	20/06/2018	Plentiful sprainting with fish scales at boulder fronting CoCo WWTP outfall	0.0554 km west
Bankside Assessment	20/06/2018	Trail on island heading from North to Southeast. Viewed by binoculars only.	0.1554 km southeast
Bankside Assessment	20/06/2018	Plentiful sprainting on rocks around islands	0.2891 km southeast
Bankside Assessment	20/06/2018	Sprainting and slides	0.2914 km southeast
Bankside Assessment	03/09/2018	2X old otter spraint.	0.299 km southeast
Bankside Assessment	03/09/2018	Spraint (x1)	0.3231 km west
Bankside Assessment	04/09/2018	Otter slide into overgrown canal	0.3364 km southeast
Boat Survey	11/11/2018	Otter spraint on rock (x1)	0.0674 km southwest
Boat Survey	11/11/2018	Otter or mink spraint- very old, fish scales but no fur present. (x1)	0.3926 km west
Boat Survey	11/11/2018	Old mink spraint (fish scales and hair in spraint), on riverbank/stone by the water's edge	0.4275 km west
Bankside Assessment	22/01/2020	Spraint on instream boulder	Within redline boundary
Bankside Assessment	22/01/2020	Spraint	0.0566 km east
Bankside Assessment	22/01/2020	Slide	0.0901 km southeast
Bankside Assessment	22/01/2020	Spraint	0.0539 km west
Bankside Assessment	22/01/2020	Spraint	0.0482 km southeast
Bankside Assessment	22/01/2020	Spraint evidence (non-fishy)	0.121 km south
Bankside Assessment	22/01/2020	Otter slide	0.2441 km southeast
Bankside Assessment	22/01/2020	Spraint and Couche	0.4411 km southeast
Bankside Assessment	22/01/2020	Spraint	0.4362 km southeast
Bankside Assessment	16/09/2021	old- repeated jelly deposits x 3. Time between deposits	0.006 km northwest
Bankside Assessment	16/09/2021	Older spraints, varying ages. One jelly deposit adjacent. Hairs and large fish scale within (10-12mm)	Within redline boundary
Bankside Assessment	16/09/2021	Contains fish bones, teeth, eggs and scales.	Within redline boundary
Bankside Assessment	16/09/2021	Large mound of spraint toward eastern end of bridge	Within redline boundary
Bankside Assessment	16/09/2021	upper side- multiple droppings, smaller (voles)	0.0198 km southeast
Bankside Assessment	16/09/2021	1 very fresh spraint under reservoir wall - strong odour. Small. 12 more small droppings the same.	0.0338 km southeast

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Survey Type	Survey Date	Comment	Distance from Redline Boundary
Bankside Assessment	16/09/2021	1 older spraint under reservoir wall	0.0342 km southeast
Bankside Assessment	16/09/2021	Multiple spraints	0.0424 km southeast
Bankside Assessment	16/09/2021	Trail	0.0435 km southeast
Bankside Assessment	16/09/2021	Spraints/Rest location- not quite a couche (smoothed off rock. Maybe feeding location, well-worn surface)	0.0443 km southeast of redline boundary
Bankside Assessment	16/09/2021	Couche And Spraints (x2)	0.0465 km southeast of redline boundary
Bankside Assessment	16/09/2021	Spraints	0.0473 km southeast of redline boundary
Bankside Assessment	16/09/2021	trail down to water, no slide obvious. Rat prints in mud	0.0585 km southeast of redline boundary
Bankside Assessment	16/09/2021	Traps - baited with sardine, not occupied or set off	0.1482 km northeast of redline boundary
Bankside Assessment	16/09/2021	Trail To Water. No discernible prints	0.1556 km northeast of redline boundary
Bankside Assessment	16/09/2021	Trail To Water. No discernible prints	0.1581 km northeast of redline boundary
Bankside Assessment	16/09/2021	2 trails across to canal - pond / wet patch in field on river side. Likely use	Within redline boundary
Bankside Assessment	16/09/2021	Spraints (x2), placed on tuffet of grass.	0.0096 km east of redline boundary
Bankside Assessment	16/09/2021	Trail	0.1201 km west of redline boundary
Bankside Assessment	16/09/2021	Trail	0.0857 km east of redline boundary
Bankside Assessment	16/09/2021	Trail	0.1129 km east of redline boundary
Bankside Assessment	16/09/2021	Trail	0.1379 km east of redline boundary
Bankside Assessment	16/09/2021	Spraints - fish scales, bones within. Not fresh (1wk?)	0.1656 km southeast of redline boundary
Bankside Assessment	16/09/2021	Trail. Connectivity- River to canal	0.1946 km south of redline boundary
Bankside Assessment	16/09/2021	Trail. Trail off Towpath, through fence	0.1988 km southeast of redline boundary
Bankside Assessment	16/09/2021	Trail. Connection to preceding trail across towpath	0.2595 km southeast of redline boundary
Bankside Assessment	16/09/2021	Sprainting rock on island	0.2495 km southeast of redline boundary
Bankside Assessment	16/09/2021	Trail. Connection to preceding trail across towpath	0.2925 km southeast of redline boundary
Bankside Assessment	16/09/2021	Trail	0.6242 km southeast of redline boundary
Bankside Assessment	16/09/2021	Spraints	Within redline boundary
Bankside Assessment	16/09/2021	Spraints on rock	Within redline boundary
Bankside Assessment	16/09/2021	Spraints	Within redline boundary
Bankside Assessment	16/09/2021	Spraints (x2) on stick/branch	Within redline boundary
Bankside Assessment	16/09/2021	Spraints (x3) on old rock	Within redline boundary
Boat Survey	03/11/2021	Spraint (x1) on island downstream of proposed bridge crossing.	0.115 km southeast

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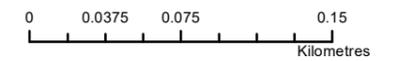
Survey Type	Survey Date	Comment	Distance from Redline Boundary
Walkover survey	09/03/2022	Spraint (x1) on southern bank of Boyne, eastern side of existing N2 Slane Bridge.	0.009 km from redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Holt - large, excavated holt on north side of river island (d/s of weir). Holt 1m above base flow with 0.5m by 0.4m entrance with narrower tunnel under crack willow. Well-worn entrance and likely active. (south bank).	1.3 km upstream from redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Spraint - on sycamore roots on river island (south bank)	1.3 km upstream from redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Spraint and slide - regular spraint site in side channel on deadwood, with adjacent slide to river (south bank)	1.3 km upstream from redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Spraint - on tree limb on north bank adjoining woodland	0.86 km upstream from redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Spraint - old spraint on boulder at north side of small island upstream of Slane Bridge (south bank)	0.055 km upstream from redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Spraint - site under 1st wet arch southern bank	Within the redline boundary
Atkins otter survey	May & June 2023	Spraint - very regular spraint site under northern arch adjoining weir spill over	Within the redline boundary
Atkins otter survey	May & June 2023	Spraint - site under northernmost arch	Within the redline boundary
Atkins otter survey	May & June 2023	Spraint - site on crack willow root system adjoining millrace channel (north bank)	0.072 km downstream of the redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Couch - regularly used couch site with latrines and spraint on sand and mud bank in masonry arch culvert spill over channel from canal millrace (north bank)	0.12 km downstream of the redline boundary (Public Realm proposals)
Atkins otter survey	May & June 2023	Couch - with regular spraint site under old plastic barrel and crack willow (north bank)	0.207 km downstream of the redline boundary (proposed bridge crossing)



Legend

- Proposed Scheme
- Proposed Scheme Boundary
- Atkins Otter Evidence (2023)**
- ✱ Couch & spraint
- ✱ Holt
- ✱ Spraint
- ✱ Spraint & slide
- RPS Otter Evidence**
- Couche ● 2018
- Fish scales ■ 2020
- ▲ Print ▲ 2021
- ◆ Slide ◆ 2022
- Spraint
- Trail

Data Source: RPS 2018-2023, Atkins 2023



Client
Meath County Council

N2 Slane Bypass and Public Realm Enhancement Scheme

Title
Figure 16

Otter Evidence
Map 1 of 4

rps West Pier
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Issue Details

File Identifier: MDT0806-RPS-00-N2-DR-Z-AG-3081		
Status: A1	Rev: C01	Model File Identifier: MDT0806-RPS-01-N2-M2-C-XM1001 MDT0806-RPS-01-PR-M2-C-XR9000
Drawn: NR	Date: 04/07/2023	
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Approved: RR	Projection: ITM	

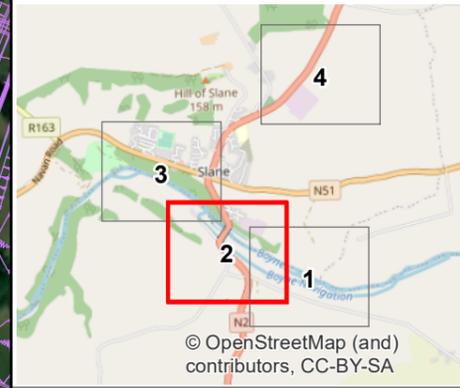
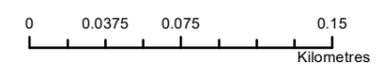
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Legend

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- ✱ Sprint & slide
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- Print ▲ 2021
- Slide ▽ 2022
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Data Source: RPS 2018-2023, Atkins 2023



Client
Meath County Council

N2 Slane Bypass and Public Realm Enhancement Scheme

Title
Figure 16

Otter Evidence
Map 2 of 4

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Issue Details

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Status: A1	Rev: C01	Model File Identifier: MDT0806-RPS-01-N2-M2-C-XM1001 MDT0806-RPS-01-PR-M2-C-XR9000
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Approved: RR	Projection: ITM
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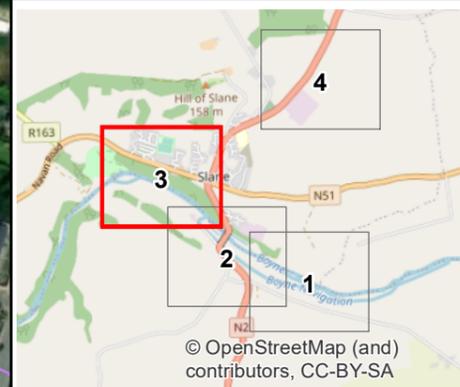
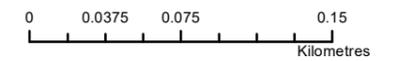
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- Print ▲ 2021
- Slide ◆ 2022
- Spraint
- Trail

Data Source: RPS 2018-2023, Atkins 2023



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N2 Slane Bypass and Public Realm Enhancement Scheme

Title **Figure 16**

Otter Evidence Map 3 of 4

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Issue Details

File Identifier: MDT0806-RPS-00-N2-DR-Z-AG-3081		
Status: A1	Rev: C01	Model File Identifier: MDT0806-RPS-01-N2-M2-C-XM1001 MDT0806-RPS-01-PR-M2-C-XR9000
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Legend

- Proposed Scheme
- Proposed Scheme Boundary

Atkins Otter Evidence (2023)

- Couch & spraint
- Holt
- Spraint
- Spraint & slide

RPS Otter Evidence

- Couche
- Fish scales
- Print
- Slide
- Spraint
- Trail

● 2018
 ■ 2020
 ▲ 2021
 ◆ 2022

Data Source: RPS 2018-2023, Atkins 2023

0 0.0375 0.075 0.15
Kilometres

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N2 Slane Bypass and Public Realm Enhancement Scheme

Title
Figure 16

Otter Evidence
Map 4 of 4

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Status: A1	Rev: C01	Model File Identifier: MDT0806-RPS-01-N2-M2-C-XM1001 MDT0806-RPS-01-PR-M2-C-XR9000
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REFERENCES

- Bibby, C.J., Burgess, N.D., Hill, D.A. & Mustoe, S.H. (2000) *Bird Census Techniques*, 2nd edn. Academic Press, London.
- Collins, J. (ed.) (2016) *Bat Surveys for Professional Ecologists: Good Practice Guidelines* (3rd edn). The Bat Conservation Trust, London.
- Cummins, S., Fisher, J., McKeever, R.G., McNaghten, L. & Crowe, O. (2010) Assessment of the distribution and abundance of Kingfisher *Alcedo atthis* and other riparian birds on six SAC river systems in Ireland. Unpublished BirdWatch Ireland report to the National Parks and Wildlife Service. Newtownmountkennedy, Co. Wicklow.
- Gilbert, G., Stanbury, A. and Lewis, L. (2021) Birds of Conservation Concern in Ireland 4: 2020-2026. *Irish Birds*, 43, pp 1-22.
- JSA (2010), Environmental Impact Statement (Appendices) Proposed Residential Redevelopment at O'Devaney Gardens, Dublin 7. John Spain Associates.
- KCC (2016), Kilcullen Road Cycle Scheme Stage 1 Screening for Appropriate Assessment. Kildare County Council.
- Kelleher, C. and Marnell, F., (2007) Bat Mitigation Guidelines for Ireland. *Irish Wildlife Manuals*, No. 25. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.
- Lundy, M.G., Aughney, T., Montgomery, W.I. & Roche, N., (2011) Landscape Conservation for Irish Bats & Species-Specific Roosting Characteristics. *Bat Conservation Ireland*.
- MCC (2010) The County Meath Biodiversity Action Plan 2008-2012 *Nature Matters*. Meath County Council.
- NPWS (n.d.) Raheenmore Bog Nature Reserve – Site Details. National Parks and Wildlife Service.
- NRA (National Roads Authority, now TII) (2005) Guidelines for the Treatment of Bats during the Construction of National Road Schemes. National Roads Authority, Dublin.
- NRA (National Roads Authority, now TII), (2009) Guidelines for Assessment of Ecological Impacts of National Roads Schemes. Revision 2. National Roads Authority, Dublin.
- Rose, P.M. and Scott, D.A. (1997) *Waterfowl Population Estimates* (2nd edn). Wetlands International Publication No. 44. Wetlands International, Wageningen, The Netherlands.
- RPS (2020) Farganstown Social Housing – Ecological Appraisal. RPS, West Pier Business Campus, Dun Laoghaire, Dublin.
- Scott Cawley (2017), Provision of Information to Support Screening for Appropriate Assessment Edenderry Local Area Plan 2017-2023. Offaly County Council. Scott Cawley, College House, Rock Road, Blackrock, Co. Dublin.
- SNH (2017) Recommended bird survey methods to inform impact assessment of onshore wind farms. SNH Guidance. SNH, Battleby.
- Traynor Environmental Ltd. (2012) Stage 1 Statement of Screening – Appropriate Assessment for Former Municipal Historic Landfill at Rantavan Mullagh, Co. Cavan.