

Appendix 4: Mammals Recorded on the Sites

Appendix 4a: Mammal Observations at Knockbracken Healthcare Park		
Observation No.	Grid ref.	Type of observation
1	-	Scent of fox.
2	-	Surface disturbed and scratched; possibly due to feeding grey squirrel.
3	J 35885 67845	Large hole in ground, but is nearly vertical, so unclear if of mammal origin. If so, then no longer in use.
4	-	Faint mammal tracks detectable in the ivy that covers much of the woodland floor. Faint scent of fox. Ground around bases of some beech trees scratched possibly due to feeding grey squirrel.
5	J 35804 67840	Wood mouse hole at tree base.
6	J 35793 67854	Brown rat seen in bank between ditch and road.
7	J 35816 67878	Badger hair caught on barbed wire fence.
8	-	Stretch of trees along boundary fence. Development of shrub layer would be beneficial for wildlife.
9	None	Various tracks crossing boundary from this field into adjacent areas (except road). Badger very likely to be feeding in this field, but due to poaching by horses, this could not be established.

10	J 35594 67989	Signs of badger feeding in grassland underneath pine trees and badger hair on barbed wire fence between this copse and adjacent horse-grazed field. Badger run with lots of 'snuffle holes' along fence.
11	-	Much of the ground on this steep hill is dug up and disturbed by badgers. Some of the scrub was too dense to search it thoroughly for badger setts. There are some well used tracks where the slope changes direction.
12	-	The whole of the slope is dug up and covered in badger tracks. At the bottom there is a pile of branches with an entrance hole suggesting that it is used by badgers.
13	-	Mammal track across tarmac path from one area of woodland to another. Also mammal tracks throughout small area of woodland. There was also the scent of fox.
14	-	Two very well established tracks (badger) leading to corner of field with tall vegetation where the ground is dug up by a result of feeding activity.
15	-	Field with semi-improved grassland ploughed up, but mammal tracks in unploughed areas.
16	-	Lots of mammal tracks on both sides of tarmaced lane, up bank and slope respectively. There was also the scent of fox.

17	-	Several mammal tracks criss-crossing wooded slope and continuing into adjacent area of grassland at the top.
18	-	Small area of beech woodland with some mammal tracks and signs of badger feeding. Badger hair also on barbed wire fence at western edge of woodland.
19	-	Fox scat with bitten off feather keels. Fox hair caught on fence. There was only the scent of fox.
20	J 35761 67224	Rat hole at woodland edge.
21	J 35750 67222	Fox earth in bank of old track.
22	J 35722 67130	Large entrance hole to what appears to be active fox earth (as evident by scent) in bank at edge of conifer plantation. Possibly old badger sett. Several holes, but all seem now unused except one.
23	J 35634 67167	Has appearance of small badger sett (though not a main sett), but may be used by fox as there was a strong fox scent. In bank at edge of conifer plantation. No fresh digging, or footprints, but several well established paths leading towards entrance hole.
24	J 35565 67185	Fox earth.
25	J 38464 67188	Badger sett with two entrances, one not used, and one with lots of excavated material, but the latter not dug recently. On steep slope, 3-4 meters above fast flowing river.

26	J 35392 67192	Active badger sett with 3 holes, one possibly disused. On slope within open scrubby woodland.
27	J 35374 67246	Wood pigeon feathers, chewed by mammal.
28	J 35337 67233	Badger hair caught on barbed wire fence.
29	-	Woodland along the length of this slope with lots of mammal tracks and signs of feeding activity.
30	-	Mammal track at bottom of field, between fence and river. Signs of badger feeding in field (i.e. cow pats dug up). Mammal track crossing boundary at the western side of field.
31	-	Mammal track up slope.
32	-	Pasture quite poached by grazing animals, therefore hard to establish if there are signs of badger feeding.
33	J 34590 67435	Badger sett at field edge with 5 main holes and several other small and partially infilled ones. However, one hole had a strong fox scent (therefore perhaps shared with badger). Rotten tree trunk next to sett pulled apart possibly due to badger feeding.
34	-	Bark at bottom of trees nibbled and damaged by horses. Privet hedge almost destroyed.
35	J 34926 67678	Badger sett with 3 entrance holes and hair caught on wire fence immediately outside one hole.

36	-	This whole bank has numerous badger holes (c.20). All seemed unused at the time of survey.
37	J 34963 67828	Probably old badger sett, but now occupied by fox (as evident by scent). 5 entrance holes, some starting to infill and becoming overgrown. Fox scat nearby.
38	J 34903 67762	Stretch of bank with numerous entrance holes – possibly disjointed badger sett.
39	-	Signs of badger feeding in this area associated with two abandoned buildings. Badger tracks leading in and out of area. Grey squirrel also seen.
40	-	Mammal tracks in this area and fox also seen.
41	-	Rough neglected grassland with lots of mammal tracks.
42	-	A couple of faint mammal tracks down the slope.
43	-	Tracks and both badger and fox hair on barbed wire at the southern edge of woodland block. Disused badger sett in the bank at northern boundary.
44	-	Mammal tracks connecting two small areas of woodland and also veering off into adjacent open areas. Badger hair on barbed wire fence.
45	J 35352 67955	Small badger sett in old bank within wooded area. Three holes, but no recent excavation.

46	J35408677862	Small badger sett with only one hole. No recent excavation, and appearing deserted.
47	-	Possibly signs of badger feeding on the ground and tracks leading into woodland from the field to the south. One hole presumed to have been dug by badger in the bank at south.
48	-	Tracks through wood, with fox and badger hair observed on barbed wire fence.
49	-	Extensive area of rough grassland & wet, rush dominated vegetation in hollow. Plenty of mammal tracks, some of which are very well established and used.
50	-	Mammal tracks and fox scent.
51	-	Rat hole.

Appendix 4b: Mammal Observations at Ulster Hospital		
Observation No.	Grid ref.	Type of observation
1	-	New multi-storey car park, still being built, not on aerial photo.
2	-	Young plantations of alder, birch, rowan, ash, beech, oak, pine and non-native shrubs with no understorey as yet. No nibbling/bark stripping in this area. Faint mammal tracks throughout. Trees very close together will need thinning in the future.
3	-	New building.
4	J 41640 74484	Small hole dug next to fence. Feathers of wood pigeon, chewed off by mammal close to fence.
5	J 41649 74482	Mammal track crossing into site under bent up mesh fence. Badger hair caught on fence.
6	-	Faint mammal track running along top of slope and numerous small holes dug in the ground (possibly badger 'snuffle holes')
7	J 41717 74354	Mammal track crossing under mesh fence from rough, neglected grassland into fenced off area associated with newly planted trees behind new multi-storey car park.
8	-	Mammal track along fence.
9	-	Numerous mammal tracks criss-crossing the field with rough grassland, where management seems to have ceased.
10	J 41789 74261	Very well used mammal track crossing site boundary underneath fence.
11	J 41793 74295	Badger track crossing underneath sheep wire fence with bundle of hair caught on fence.
12	J 41797 74310	Badger track crossing underneath sheep wire fence with bundle of hair caught on fence. Strip of dense vegetation between site and adjacent houses may hold badger sett.
13	-	Planting of a strip of native shrubs on the hospital side of this metal fence would be beneficial for wildlife.

14	J 41193 74091	Small mammal track crossing underneath metal rail fence.
15	J 41265 74097	Beech nuts stored in crevice of tree base. The nuts were gnawed, most likely by wood mouse.
16	J 41368 74486	Two small mammal tracks underneath hedge and several others further west along this boundary.
17	-	Faint mammal tracks seem to run up this hedgebank.
18	-	Two very distinct mammal tracks running down the bank on the opposite side of the road from site boundary.
19	-	Small copse of trees with currently no understorey, the development of which would improve its value for wildlife.

Appendix 4c: Mammal Observations at Causeway Hospital		
Observation No.	Grid ref.	Type of observation
1	-	Grassland here slightly less intensively managed and more species rich than other lawn areas, but damaged by heavy machinery. Grass sods dumped at the back.
2	-	Mammal tracks up the road embankment, but this was only partially surveyed. Peripheral plantings with lots of hazel/hawthorn, but also lots of non-native shrubs.
3	-	Area of wet, less intensively managed grassland, with mammal tracks running through this meadow and alongside the planted shrubs.
4	C86107 31902	Rat hole near top of road embankment with track leading down the slope.
5	C86153 31916	Mammal has tunneled underneath fence onto railway line, with track leading to the fence from the small tributary stream. Hole too large for rat. Probably badger or fox.
6	-	Rat holes and tunneling on both sides of river banks.
7	C86263 31835	Two mammal tracks leading to hole dug underneath fence.
8	-	Several mammal tracks throughout rough grassland and along fence. Fence probably cutting off traditional routes of travel.
9	-	Mammal track leading to and crossing underneath gate.
10	-	Very well established mammal track through grass.
11	-	Very well established narrow mammal track between plantation and fence and from stream to fence and also onto railway line and into adjacent area of rough grassland and scattered scrub. Possibility of otter / mink.
12	-	Several tracks leading out of stream, and running up the bank possibly due to otter or mink.
13	-	Much of this scrub / woodland could not be accessed due to the density of

		the planting.
14	-	Faint mammal tracks through rank, rough grassland.
15	-	Tracks leading into scrub from grassland.

Appendix 4d: Mammal Observations at Antrim Area Hospital

Observation No.	Grid ref.	Type of observation
1	16821 88953	Within this block of plantation, the ground is slightly dug up possibly by badger and / or grey squirrel. Some damage to bark of young trees, most likely caused by grey squirrels or rabbits.
2	16783 89023	Faint track between clump of young conifers at hospital entrance and plantation woodland.
3	16862 89002	Small hole dug into ground with excavated material on surface. Seems too large for wood mouse; most likely due to rat activity.
4	16899 88991	Small wood mouse holes at base of trees.
5	17105 88814	Burrow underneath root of pine tree, with some hair – possibly rabbit. Disused now and filling up with leaves.
6	17108 88802	Mammal tracks seem to go underneath the sheep wire fence. No barbed wire and hence no chance of mammal hair getting caught.
7	-	Conifer cone found that could have been fed on by squirrel. Possible squirrel dray in nearby tree, but could be bird nest (corvid). Wood mouse hole at tree base.
8	16974 88838	Several holes dug into steep slope underneath dense dogwood scrub. Some of the ground is slightly dug up. Possibly rabbit, although no droppings found or rabbits seen.
9	16977 88833	Lawn 'dug up' – possibly due to rabbits or birds.
10	-	Hole dug into stone bank, does not seem to be used at present. Possibly dug by fox or badger.
11	-	Active rabbit burrow with nearby droppings. Other burrows also occur along this bank.
12	16455 88322	Remains of wood pigeon eaten by mammal.

13	16712 88446	Some old excavation under pile of logs, but no recent activity.
14	16513 88501	Abandoned fox earth or badger sett.
15	16329 88558	Old badger sett with 6 holes, but no fresh excavations. Fox scent coming from at least one entrance and this whole area.
16	16260 88542	Mammal track leading into undergrowth.
17	16347 88665	Badger sett with 7 entrances under lime tree. Recently active, but some of the holes now with leaves accumulating in them. Also well established mammal path running past this tree.
18	16344 88724	Badger sett right on road bank and another 3 holes dug 20m further north.
19	-	Badger sett with 5 entrance holes, but does not appear to be currently active.
20	-	Extensive buildings work in this area that has caused loss of woodland.
21	-	Mammal track.
22	-	Surface of ground dug up throughout woodland, most likely by rabbit as plenty of rabbit droppings and rabbits seen.
23	-	Remains of bird, eaten by mammal.
24	-	Holes dug into bank, could have been dug by rabbits or something larger, i.e. fox or badger.
25	-	2 old excavated holes in ground could be disused badger sett.

Appendix 4e: Mammal Observations at St Lukes Hospital, Armagh

Observation No.	Grid ref.	Type of observation
1	H87440 46586	Wood mouse hole at bottom of birch tree. Within small copse of birch, sycamore, and horse chestnut.
2	-	Surface scratched by feeding grey squirrel & 2 squirrels observed. Old trees with nice dense understorey vegetation in front of tall old stone wall.
3	-	Decaying vegetables and kitchen left-overs dumped. Undesirable as this attracts grey squirrels and rats.
4	-	Several holes dug alongside wall. Could be badger, but more likely created by dog.
5	-	Rubbish dumped. Unsightly, and dangerous for small mammals.
6	-	Animal track up steep slope into adjacent field under mesh fence. More tracks along top of slope. Could be badger or otter due to adjacent stream. Inconclusive as no footprints or hair observed.
7	-	Old footprints in mud possibly due to otter. Inconclusive as poorly formed prints and therefore difficult to identify.
8	-	Slope with lots of old rubble and infill and sections of mammal tracks. Animals might use stream as corridor along which to travel and from which to venture inland.
9	H87725 46599	Ground disturbed most likely due to badger feeding. Track leading into field. A lot of evidence of regular use by dog walkers, so slight possibility ground could have been dug up by dog.
10	-	Badger feeding signs in field, notably dug up turf. Old horse manure in this area.
11	H87956 46591	Excavated burrow at bank that is possibly a fox earth as scent detected along this hedge. The burrow could also be an 'outlier' badger sett now used by fox.

12	-	Small amount of ground dug up which are possibly badger snuffle holes.
13	-	Several mammal tracks appear to be crossing the site boundary along this bank/hedge.
14	-	Several mammal tracks appear to be crossing the site boundary along this old railway track.
15	-	Track crossing underneath metal fence to adjacent housing estate, probably due to dogs.
16	-	Even aged large plantation with frequent ivy and bramble. Lots of rubbish dumped and evidence of children playing.
17	H87810 46835	Possible squirrel drey. It is equally likely it is a bird nest. Confirm later in the year.
18	H87779 46720	Possible squirrel drey or equally likely a bird nest. Requires confirmation later in the year.
19	-	Mammal feeding signs on ground throughout this woodland block. Could be badger and / or squirrel.
20	H87753 46680	Could be bird nests. Requires confirmation later in the year.
21	-	Mammal tracks crossing field boundary.
22	H87864 46588	Quite a lot of digging in flower beds of this formal garden. Blurred footprints, very much like those made by badgers. Sign of digging at bottom of wooden sculpture.
23	H87802 46816	Badger feeding signs in soft soil on bank.

**Appendix 4f: Mammal Observations at Gransha Hospital,
Co. Londonderry**

Observation No.	Grid ref.	Type of observation
1	C46118 19252	Hole dug in bank of old sand pit, probably by badger, but now filled in with leaves and not active.
2	C46125 19279	Hole in ground, starting to get filled in with leaves. No recent excavation. Possibly fox or badger.
3	C46253 19195	Old tree stump with very dense bracken and salmonberry. Well established paths leading into it. Possibly used by badger during the day.
4	C46232 19121	Two holes dug at the top of the bank of this old sand pit. Could be rabbits, as soil is very light.
5	C46287 19146	Track towards edge of woodland. Badger hair on barbed wire.
6	C46348 19251	Old holes dug in woodland boundary bank that are filling up with leaves. Possibly made by badger. Old rabbit droppings nearby.
7	C46427 19419	Old disused badger sett with 3 entrance holes. Track crossing woodland boundary.
8	-	Fox scent. Horse chestnuts gnawed by wood mouse.
9	C46341 19562	Old hole in ground at edge of woodland, presumably due to badger, but no recent excavation.
10	C46374 19590	Large badger sett, at least partly destroyed by human activity (infilling/blocking of entrance holes and also digging). Perhaps now used by fox as strong scent evident. One hole that looks recently excavated and therefore is sett possibly still active.
11	-	Mammal tracks throughout woodland. Small number of areas that look as if badgers and/or grey squirrels could have been feeding there. Shooting cartridges found here.
12	-	Small sections of mammal tracks detectable here. Northern end of woodland strip used as dumping ground. Alternative location should be

		found for dumping of waste.
13	-	Fox scent.
14	-	Lots of rubbish. A couple of areas where badgers are possibly feeding as evident by dug up cow pads and rotten timber pulled apart. Shooting cartridges also observed.
15	-	Several mammal tracks leading from field towards new fence and badger and fox hair caught on bottom strand of barbed wire. Badger sett and / or fox earth likely on railway embankment, but this was not fully surveyed for health and safety reasons.
16	C45734 19595	Single hole in ground, that is most likely a fox earth.
17	C45662 19409	Minor badger sett underneath old tree trunk.
18	C45660 19393	Remains of bird feathers chewed off by mammal.
19	-	Dense network of very well used mammal tracks in dead bracken.
20	-	Network of mammal tracks throughout this block of woodland. Some crossing the railway line onto the opposite side of the railway line but not surveyed for health and safety reasons. Possibility of otter due to close proximity of the Foyle.
21	-	Inaccessible dense scrub could not be surveyed.
22	-	Rabbit burrows in banks just behind fence. Rabbit droppings and rabbit seen.
23	-	Bank on both sides of road dug up, most likely by rabbits.
24	-	Mammal track along metal fence, possibly due to badger. Some of the ground is scratched most likely by grey squirrels and rabbit. Lots of rabbit burrows and droppings on bank with rabbit also seen.
25	-	Base of young trees nibbled by rabbits and/or grey squirrel.
26	-	Frog spawn observed in puddles.

27	C46162 18464	Badger sett with 4 holes at top of bank with planted conifers. Does not appear to be in use at present, at least not by badger.
28	-	Slope with lots of active rabbit burrows.
29	-	Some mammal tracks, and many rabbits. Gardening waste and other rubbish dumped here.
30	-	Rabbits in and along edges of fields.
31	-	Mammal tracks leading from road into site. Badger hair on barbed wire fence.
32	-	Rabbits.
33	-	Rabbits.
34	C46362 18889	Badger sett in hedge bank with 3 holes. Large amount of soil recently excavated.
35	-	Mammal tracks. Gardening waste dumped here.
36	-	Rabbit burrows within fenced off area. Plenty of droppings. Vegetation nibbled.
37	-	Rabbit burrow or possibly fox earth next to road.
38	C46731 18978	Wood pigeon remains, with feathers chewed off by mammal. Rabbits present.
39	-	Several mammal tracks crossing fence line into field with improved grassland. Some tracks running parallel to fence line. Possibly due to otter.
40	-	Mammal tracks in rough grassland.