



Key:

Site and Water Treatment Area boundary

Survey results:

- None
- Negligible
- Low
- Moderate
- High
- Evidence of bat use

P01 NP MW JB First Issue. 15/07/2024

Rev	Drwn	Chk'd	Appr'd	Description	Date
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Purpose of issue
S2 - Issued for Information

Classification
Public

Client
Defence Infrastructure Organisation (DIO)

Project
Penally DIO - The Camp

Drawing Title
Figure 9 Preliminary Roost Assessment (PRA)

Drawn	NP	Checked	MW	Approved	GP
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Project No	Date	Scale	Size
70122627	April 2024	1:2,000	A3

Drawing identifier	Revision: P01
70122627-WSP-74-XX-M2-L-3024	



Quest House, St Mellons Business Park, Fortran Rd, St Mellons, Cardiff, CF3 0EY

**Table E-1 – Potential Roost Assessment (PRA) for Bats. Locations of buildings are shown in Drawing 70122627-WSP-74-XX-M2-L-3002**

Building Number	Description	Suitability	Evidence	Further survey requirements
7w & 7e	Door open in 7e allowing access to both buildings.	Negligible		Potentially one emergence survey, dependent on NBW results
19	Gap between outer steel frame and insulation above rear (west) door. Gap approx.5cm <sup>2</sup>	Low		One emergence survey
20	Gap between outer steel frame and insulation above rear (west) door. Gap approx.5cm <sup>2</sup>	Low		One emergence survey
21	Gap between outer steel frame and insulation above rear (west) door. Gap approx.5cm <sup>2</sup> .	Low		One emergence survey
22	Gap between outer steel frame and insulation above rear (west) door. Gap approx.5cm <sup>2</sup> .	Low		One emergence survey
23	Gap between outer steel frame and insulation above rear (west) door. Gap approx.5cm <sup>2</sup> .	Low		One emergence survey
24	No features in external	None		NA
25	No features in external	None		NA
26	Small gap (5cm <sup>2</sup> ) between outer shell and insulation) rear (west)	Low		One emergence survey
27	Small gap (5cm <sup>2</sup> ) between outer shell and insulation) rear (west) also window on east side removed/ fallen out allowing potential access to internal space.	Low		One emergence survey
28	Gap at rear (west) over window and door 10x5cm	Low		One emergence survey
29	Building -Corrugated asbestos with dormer (timber framed and with lead flashing) Flashing lifted around	Low		One emergence survey

	window and a gap was present between the dormer window frame and outer shell which could allow bats into the void between inner and outer shell.			
30	Window at rear (west) slightly open (5cm gap) allowing access to internal space.  30cm diameter hole at 30 cm from ground between outer corrugated shell and internal wall.  No internal inspection but viewed from outside and some sections of wallboard and ceiling coming away creating gap s up to 1m wide.	Low		One emergence survey
43	Gap over door (west) and hole 30 cm diameter at 30cm height from ground. Creating a gap between outer shell and internal void.	Low		One emergence survey
44	Gap over door as per others (west)	Low		One emergence survey
45	Gaps under corrugated metal where gas pipe is located.	Negligible		Potentially one emergence survey, dependent on NBW results
46	Gaps above window and doors at front 5cm wide. On north facing side of building opening into internal space via unsealed window cover.	Low	Old horseshoe bat ( <i>Rhinolophus</i> sp.) droppings	One emergence survey
47	Door open	Low		One emergence survey
48	Gaps in corrugated metal.	Low		One emergence survey
49	Gaps in corrugated metal.	Low		One emergence survey
50	Open doors allowing access for bats.	Low		One emergence survey
51	Open doors allowing access for bats.	Low		One emergence survey

52	Open windows allowing access for bats.	Low		One emergence survey
55	Gaps under fascia, soffit and barge boards.	High		Three emergence surveys
56	Eroded corrugated metal panels with holes. Old bees nest found in building.	Moderate		Two emergence surveys
57	Gaps between corrugated sheets and open access to attic and building with open doors.	Moderate	Old pipistrelle bat ( <i>Pipistrellus</i> sp.) droppings in kitchen	Two emergence surveys
59	Gaps in fascia and soffit, open windows also allowing access for bats.	High		Three emergence surveys
60	Gaps in fascia and soffit, open windows also allowing access for bats.	High		Three emergence surveys
61	Gaps between wall and soffits and open windows allowing access for bats.	High		Three emergence surveys
62	Open door and window allowing access for bats.	High	Old horseshoe bat droppings on window sill. Old pipistrelle bat droppings in sink.	Three emergence surveys
63	Open windows allowing access for bats and gaps in tiles and fascia.	High		Three emergence surveys
64	Open doors allowing access for bats.	High	Old horseshoe bat droppings in south-eastern end of building.	Three emergence surveys
65	Gaps on end of fascia and roof tiles. Hole in the door allowing access for bats.	High		Three emergence surveys
68	Gaps between corrugated metal sheets.	Negligible		Potentially one emergence survey, dependent on NBW results
70	Ventilation pipe cover loose allowing access.	Low		One emergence survey

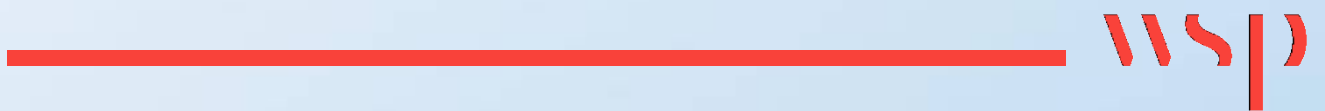
71	Open front of building allowing for feeding roost site and large open pipe leading to internal structure.	Low		One emergence survey
72	Missing ventilation covers, lifted roof tiles and gaps in capping of roof apex.	High		Three emergence surveys
76	No features present	None		NA
77	Open door allowed access for bats and open vent hole and gaps in fascia.	High		Three emergence surveys
77a	Gaps in barge boards and stonework.	Low		One emergence survey
78	Lifted roof tiles.	Low		One emergence survey
80	Corrugated roof with minimal gaps to access internal structure.	Negligible		Potentially one emergence survey, dependent on NBW results
83	Open doors allowing access and gaps in soffit.	High		Three emergence surveys
85	Gaps between corrugated metal walls and fascia and broken fascia allowed access for bats.	Moderate		Two emergence surveys
87a	No features present	None		NA
87b	Gaps in fascia and corrugated metal. House sparrow ( <i>Passer domesticus</i> ) nest found in building.	Low		One emergence survey
87c	No features present	None		NA
88	Gap under door and hole in apex of roof. Door also open allowed access for bats.	Low		One emergence survey
89	Gaps in ventilation panels and hole for pipes.	Low		One emergence survey
90	Open window and vents allowing access for bats.	Low		One emergence survey

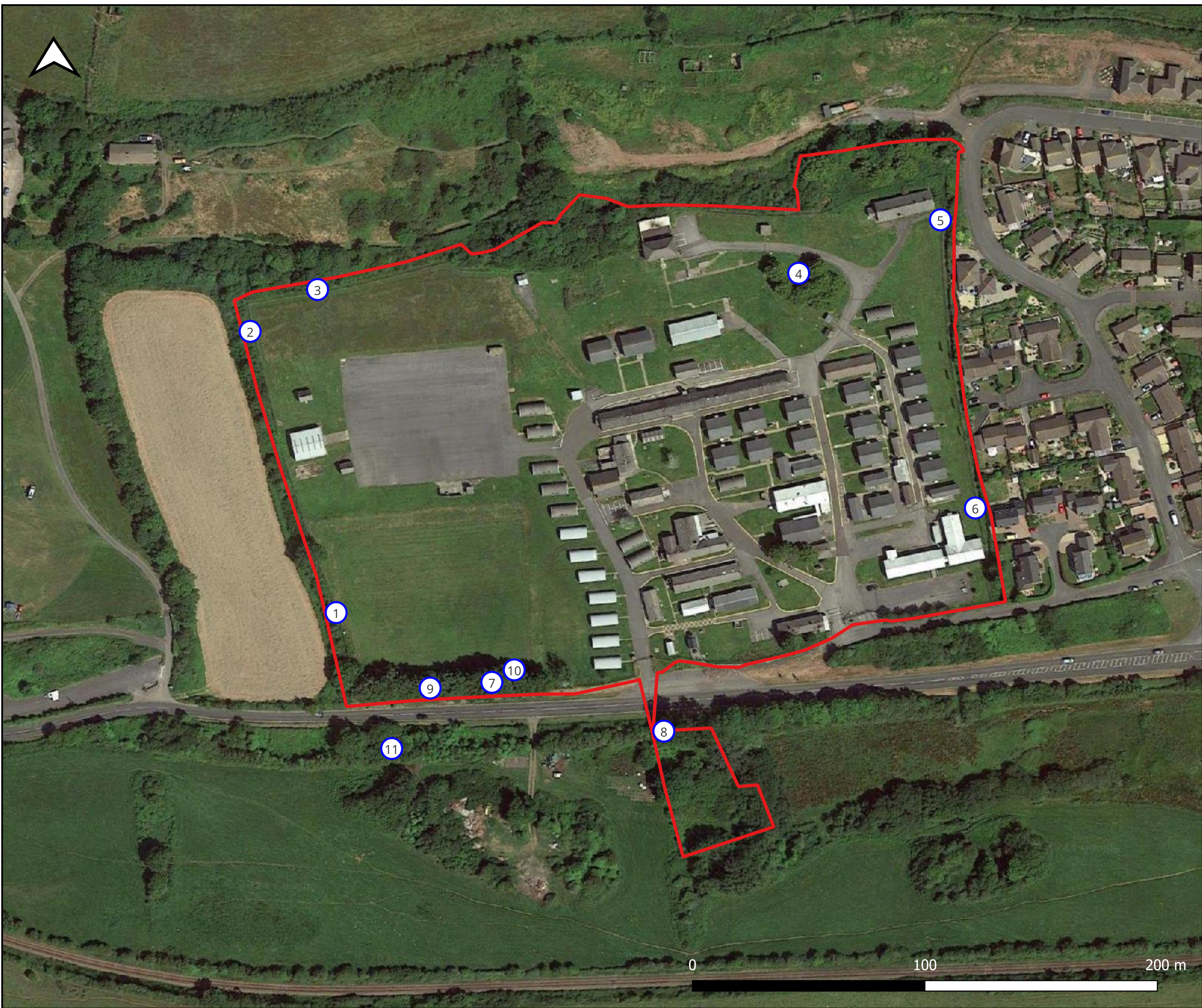
92	Open door allowed access for bats.	Low		One emergence survey
93	Broken vent cover.	Low		One emergence survey
94	Smashed window and ventilation holes allowed access to internal structure. Swallow ( <i>Hirundo rustica</i> ) nest identified in building.	Moderate		Two emergence surveys
95	Smashed window allowed access for bats.	Low		One emergence survey
96	Open door, open attic hatch and missing vent cover allowed access for bats.	High		Three emergence surveys
200	Gap in soffit on corner.	Low		One emergence survey
201	Gap under soffit. Gap under lifted leadwork at 3 locations.	Low		One emergence survey
202	Gaps under lifted leadwork above doors.	Low		One emergence survey
203	Gaps under lifted leadwork at 2 door entry points	Low		One emergence survey
204	Lifted leadwork over doors at 3 locations	Low		One emergence survey
205	Lifted leadwork over doors.	Low		One emergence survey
206	Open window and damage to south-eastern corner of building allowed access for bats.	Low		One emergence survey
207	Damage to south-eastern corner of building.	Low		One emergence survey
208	No features present	None		NA
209	No features present	None		NA

210	Gaps in wood on corners of the building and gaps under flashing. Open window also allowed access to the internal structure.	Low		One emergence survey
211	Broken wood on south-eastern corner of the building and gaps under the flashing.	Low		One emergence survey
212	Gaps in the north-eastern corner of the building and gaps behind the barge boards.	Low		One emergence survey
213	No external features identified, however direct access from building 57 where multiple features were noted.	None		NA
214	Gap between the soffit on the main roof and roof of the extension on the building.	Low		One emergence survey
215	Open windows and gaps under wooden panels allowed access for bats.	Low		One emergence survey
216	Open windows allowed access for bats.	Low		One emergence survey
217	Gaps behind wooden panelling, open window and broken panelling.	Low		One emergence survey
218	Broken wood panelling.	Low		One emergence survey
219	Gap in the corner of wooden panelling, open windows and door allowed access for bats.	Low		One emergence survey
220	Missing wooden panelling.	Moderate		Two emergence surveys
221	Broken wooden panelling.	Low		One emergence survey
222	Open windows allowed access into the internal structure.	Low		One emergence survey

# Appendix F

## **BADGER SURVEY RESULTS**





Key:

Badger Survey Results

Site and Water Treatment Area Boundary

P01	NP	TF	GP	First Issue.	15/07/2024
Rev	Drwn	Chk'd	Appr'd	Description	Date
Purpose of issue S2 - Issued for Information					
Classification Public					
Client Defensive Infrastructure Organisation (DIO)					
Project Penally DIO - The Camp					
Drawing Title Figure 11 Badger Survey Results Map					
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Project No	Date	Scale	Size		
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Drawing identifier			Revision: P01		
70122627-WSP-74-XX-M2-L-3025					
<div><div></div></div> <div>Quest House, St Mellons Business Park, Fortran Rd, St. Mellons, Cardiff, CF3 0EY</div>					

**Table F-1 - Badger Survey Results**

Target notes (TN)	Central grid reference	Description
TN1	SS1094498861	Badger run under fence
TN2	SS1096198906	Mammal run under fence and digging in grassland area
TN3	SS1094798940	Mammal run under fence and along fence line
TN4	SS1093598922	Extensive digging under scattered trees
TN5	SS1082298928	Mammal run under fence
TN6	SS1081299010	Mammal run under fence
TN7	SS1093699029	Extensive digging in grassland and tree stump clawed. Run under fence and across the road into woodland
TN8	SS1103199042	Extensive mammal tracks
TN9	SS1098298799	Mammal run
TN10	SS1086098838	Mammal scrapes
TN11	SS1089698846	Mammal run



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