

T:\Bristol Ecology Projects\A ECO02340 Project Dragon\TechDrawings\ECO02340-All Drawings.aprx



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Notes

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Legend

Site Boundary

W Pond ID

TCA2: Pond Distance to Temporary Construction Area 2

PDZ: Pond Distance to Production Development Zone

Rev	Description	By	CB	Date



MAKING
COMPLEX
EASY

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Client

LanzaTech UK Limited

Project

Project Dragon SAF
Production Facility

Title

Waterbody Location Plan

Status

ISSUE

Project Number

ECO02340

Figure Number

9

Drawn By

HM

Scale @ A3

1:6,000

PM/Checked By

TO

Date Created

AUG 2023

Rev

1

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- Legend**
- Site Boundary
 - Mammal Path
 - Vegetation - Open Structured
 - Vegetation - Dense
 - Seasonal Waterbodies
 - Reedbed

Rev	Description	By	CB	Date



MAKING
COMPLEX
EASY

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Client LanzaTech UK Limited

Project Project Dragon SAF
 Production Facility

Title Otter Potential Plan

Status	Drawn By	PM/Checked By
ISSUE	OW	PT
Project Number	Scale @ A3	Date Created
ECO02340	1:3,850	SEP 2023
Figure Number		Rev
8		1

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Appendix A PRA Results

Table A1. Summary of the findings of the Preliminary (Bat) Roost Assessment of Buildings

Building Number	Building Description and Potential Roost Features	Overall Suitability	Recommended further surveys	Number of surveyors required for emergence/re-entry surveys
B1	Tall abandoned industrial building constructed from brick with a shallow pitched roof of corrugated sheet mineral. Glass in upper portion but some panes broken. Main building has multiple access points.	Low	One emergence / re-entry survey	4 surveyors
B2	Single storey, flat roof, brick office building in use. Gaps in the brickwork of the SW side were examined with an endoscope and ruled out for bat potential.	Negligible	None	N/A
B3A-D	Series of portacabins, in use. No features apart from a round hole into roof but thick with cobwebs. 3D has a flap of roofing felt at the edge but unlikely to be suitable.	Negligible	None	N/A
B4	Large green corrugated metal shed, in use.	Negligible	None	N/A
B5	Brick single storey industrial building with a blue door, possibly in use. Gap behind sheet cladding near to door and apparently deep missing mortar crevices in brickwork of the NE side.	Low	One emergence / re-entry survey	1 surveyor
B6	Portacabin modular structure in use. Small potential gap at the barge board of the SW side but all elevations are extremely well lit with several lamps. Surrounded by hardstanding, no vegetation.	Negligible	None	N/A
B7	Stacked container buildings sheet metal walls and roof, in use.	Negligible	None	N/A
B8	In use by JES Group Ltd. Large corrugated metal shed with side extension. Further stacked container buildings along its side. Very well lit with bright lamps at SW end, no vegetation or cover.	Negligible	None	N/A
B8A	Building not showing on aerial photography. Small, corrugated metal garage in use.	Negligible	None	N/A
B9	In use by Davies Crane Hire, corrugated metal shed structure with bright lighting.	Negligible	None	N/A
B10	Stacked container buildings in use. Lighting from 9 spills onto this area.	Negligible	None	N/A
B11	In use by MII Total Access. Single storey corrugated metal shed. Bright lighting at corner, front and NE side. No vegetation or cover.	Negligible	None	N/A
B12	Old metal shed, no longer in use, very corroded, holes in walls, but cobwebs across them.	Negligible	None	N/A
B13	Small brick sub-station (Margam Sub-station building). Presumably in irregular use. Some damaged wood to the rear with no bat access, but a crevice behind the barge board along the side and front.	Low	One emergence / re-entry survey	2 surveyors
B14	Green corrugated container building complex office in use by MII Total Access with two blue extensions.	Negligible	None	N/A
B15	Container building, in use.	Negligible	None	N/A

REPORT

Building Number	Building Description and Potential Roost Features	Overall Suitability	Recommended further surveys	Number of surveyors required for emergence/re-entry surveys
B16	Green corrugated shed in use with external lighting to the SE end.	Negligible	None	N/A
B17	Disused green corrugated metal shed with corrugated mineral roof. Plenty of access points around gable end. No lighting on this building and vegetation present.	Low	One emergence / re-entry survey	2 surveyors
B18	Open structure made of scaffold for storing scaffold. Yard very well lit.	Negligible	None	N/A
B19	Grey portacabin with no features.	Negligible	None	N/A

Appendix B Building Descriptions and Photos.

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 1	
Low Tall abandoned industrial building constructed from brick with a shallow pitched roof of corrugated sheet mineral. Glass in upper portion but some panes broken. Main building has multiple access points. NW side single storey brick addition with glass in upper portion of walls, door propped open. Small crevices on external brick corner where roof joins wall. Internally shallow tunnel under the floor with metal covers. Crevice in internal wall at 3-4m. SW side corrugated extension has a small gap along roof edge. Brick area with concrete roof has gaps along edge of the roof. Internally dark room with no features or signs of bats. NE brick extension has a gap along wall above roof join to wall. Crack in the brickwork. Street lighting between building 1 & 2 and NW side.	
	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Feature Description	Photograph
Potential feature above flat roof	
Potential feature in brick side building	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 2	
Negligible Single storey, flat roof, brick office building in use. Gaps in the brickwork of the southwest side were examined with an endoscope and ruled out for bat potential.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 3A-D	
Negligible Series of portacabins, in use. No features apart from a round hole into roof but thick with cobwebs. 3D has a flap of roofing felt at the edge but unlikely to be suitable.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 4	
Negligible Large green corrugated metal shed, in use. Bright lighting on SW side.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 5	
Low Brick single storey industrial building with a blue door, possibly in use. Gap behind sheet cladding near to door and apparently deep missing mortar crevices in brickwork of the NE side.	
	
Feature Description	Photograph
Low bat roost potential in cladding and missing brick mortar and hole in brickwork	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 6	
Negligible Portacabin modular structure in use. Small potential gap at the barge board of the SW side but all elevations are extremely well lit with several lamps. Surrounded by hardstanding, no vegetation.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 7	
Negligible Stacked container buildings sheet metal walls and roof, in use	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 8	
Negligible In use by JES Group Ltd. Large corrugated metal shed with side extension. Further stacked container buildings along its side. Very well lit with bright lamps at SW end, no vegetation or cover.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 8A	
Negligible Building not showing on aerial photography. Small, corrugated metal garage in use.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 9	
Negligible In use by Davies Crane Hire, corrugated metal shed structure with bright lighting	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 10	
Negligible Stacked container buildings in use. Lighting from 9 spills onto this area.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 11	
Negligible In use by MII Total Access. Single storey corrugated metal shed (grey/green). Bright lighting at corner, front and NE side. No vegetation or cover	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 12	
Negligible Old metal shed, no longer in use, very corroded, holes in walls, but cobwebs across them.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 13	
Low Small brick sub-station (Margam Sub-station building). Presumably in irregular use. Some damaged wood to the rear with no bat access, but a crevice behind the barge board along the side and front.	
	
Feature Description	Photograph
Potential gap in roof	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 14	
Negligible Green corrugated container building complex office in use by MII Total Access with two blue extensions.	
No image available	
Feature Description	Photograph
No features	
Building 15	
Negligible Container building, in use.	
No image available	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 16	
Negligible Green corrugated shed in use with external lighting to the SE end.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 17	
Low Disused green corrugated metal shed with corrugated mineral roof. Plenty of access points around gable end. No lighting on this building and vegetation present.	
	
Feature Description	Photograph
No features	

REPORT

Table 1 – Preliminary Roost Assessment (PRA) conducted on 25/07/2023	
Building 18	
Negligible Open structure made of scaffold for storing scaffold. Yard very well lit.	
	
Feature Description	Photograph
No features	
Building 19	
Negligible Grey portacabin with no features.	
No image available	
Feature Description	Photograph
No features	

Appendix C Waterbody Photos and Descriptions

Pond ID	Photo	Description
W1		Standing surface water in raw materials storage area. Permanence: Temporary pooling during heavy rainfall. Water quality: Low and it is highly trafficked area. Depth in winter: 2-5cm maximum depth
W2		As above, standing surface water in raw materials storage area. Permanence: Less transient than W1 but is not present all year round Water quality: contaminated with iron ore stocks . Depth in winter: 2-5cm maximum

REPORT

Pond ID	Photo	Description
W3	N/A	Standing surface water in raw materials storage area. Highly trafficked area meaning that it was not possible to get a photo Permanence: equivalent to W1 Water quality: similar water quality to W1 and W2. Depth: 2-5cm maximum
W4		Forms part of the site drainage and is pumped into sump 1 near the sinter plant, predominantly formed from rainwater and run-off from the blast-furnace slurry stocking area. There is a significant barrier to the migration of any species from the target site. The sinter plant blocks access along with very steep embankments to the north of the plant. Permanence: Will hold water throughout the year. Water quality: likely to be poor Depth: 1m maximum