

Figures

LEGEND

Study Area



F1	2019-11-14	EA	CP
Issue	Date	By	Chkd
			Appd



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Client
Welsh Government

Job Title
Global Centre for Rail Excellence

Figure 1
 Study Area

Scale at A3
1:20,000

Job No
264904

Drawing Status
For Issue

Drawing No
001

Issue
F1

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

Study Area

F1	2019-11-16	KSJ	CP	NH
Issue	Date	By	Chkd	Appd



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Reptile Mat Placement (Overview)

Scale at A3

1:20,000

Job No

264904

Drawing Status

For Issue

Drawing No

002a

Issue

F1





Legend

Study Area

F1	2019-11-16	KSJ	CP	NH
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Issue	Date	By	Chkd	Appd
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Reptile Mat Placement (West)

Scale at A3

1:5,000

Job No

264904

Drawing Status

For Issue

Drawing No

002b

Issue

F1

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Legend

Study Area

F1	2019-11-18	KSJ	CP	NH
Issue	Date	By	Chkd	Appd



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Reptile Mat Placement (Centre)

Scale at A3

1:6,000

Job No

264904

Drawing Status

For Issue

Drawing No

002C

Issue

F1

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Legend

 Study Area

F1	2019-11-16	KSJ	CP	NH
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Issue	Date	By	Chkd	Appd
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Reptile Mat Placement (East)

Scale at A3

1:5,000

Job No
264904

Drawing Status
For Issue

Drawing No
002d

Issue
F1

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Study Area
- Reptile Survey Results
- Common Lizard;
- Slow worm;

F1	2019-11-19	KSJ	CP	NH
Issue	Date	By	Chkd	Appd



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Reptile Survey Results
(Overview)

Scale at A3
1:20,000

Job No
264904

Drawing Status
For Issue

Drawing No
003a

Issue
F1



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Study Area
- Reptile Survey Results**
- Common Lizard;
- Slow worm;

F1	2019-11-19	KSJ	CP	NH
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Issue	Date	By	Chkd	Appd
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**Reptile Survey Results
(West)**

Scale at A3

1:5,000

Job No

264904

Drawing Status

For Issue

Drawing No

003b

Issue

F1



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Legend

- Study Area
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Reptile Survey Results (Centre)

Scale at A3
1:6,000

Job No
264904

Drawing Status
For Issue

Drawing No
003C

Issue
F1



Legend

- Study Area
- Reptile Survey Results**
- Common Lizard;
- Slow worm;

F1	2019-11-19	KSJ	CP	NH
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Issue	Date	By	Chkd	Appd
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Reptile Survey Results (East)

Scale at A3
1:5,000

Job No
264904

Drawing Status
For Issue

Drawing No
003d

Issue
F1

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Appendix A

Reptile Survey Data

A1 Reptile Survey Data

Table A1. Full data from reptile surveys of the site. Count represents the number of individuals counted per reptile species. Bold counts numbers show the peak count for each reptile species recorded on site across all surveys.

Visit Number	Species	Reptile refugia where reptiles found	Incidental records during survey	Total Count
Reptile mat deployment	Common lizard	N/A	3x adult	3
	Slow worm	N/A	1x sub-adult female.	1
1a	Common lizard	114, 175, 178, 223	1x adult	5
1b	Common lizard	142, 144, 147, 164, 169,	2x adults	7
2a	Common lizard	77	None	1
2b	None	-	None	0
3a	Common lizard	180, 195	1x adult	3
	Slow worm	121	None	1
3b	Common lizard	-	1x sub-adult	1
	Slow worm	247, 248	None	2
4a	Common lizard	33, 80, 87, 142, 144, 149, 153, 156, 169 (2 lizards), 170	1x adult	13
4b	Common lizard	116 (2 lizards), 178 (2 lizards), 198, 206, 216	None	7
	Slow worm	121	None	1
5a	Common lizard	117, 126, 129, 142, 151, 171, 174, 177, 212, 221, 192	2x lizards	13
5b	Common lizard	87	None	1
6a	Common lizard	63, 87, 144, 149, 152 (2 lizards), 156, 158, 162, 168, 180 (2 lizards), 198, 217, 221, 227 (2 lizards),	None	17
6b	Common lizard	199	None	1
	Slow worm	126	None	1
7a	Common lizard	199	None	1
7b	None	-	None	0

A2 Incidental Reptile Records

Table A2. Incidental records of reptiles recorded during other ecological surveys in 2019.

Date	Reptile refugia Number	National Grid Reference	Species	Comments
30/04/2019	N/A	SN 81645 10646	Common lizard	Juvenile running through purple moor grass.
17/07/2019	24	SN 84461 10390	Common lizard	Lizard on top of mat.

Appendix B

Photographs

B1 Photographs



Photograph 1 – Showing adult male common lizard.



Photograph 2 – Showing adult male and adult female common lizards.



Photograph 3 – Showing adult female slow worm.



Photograph 4 - Showing two juvenile common lizards.