

Baseline monitoring of peatland invertebrates on Y Berwyn National Nature Reserve in October 2025, focusing on spiders

NRW Evidence Report No. 1032

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Y Berwyn NNR sampling point A, October 2025

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Crynodeb gweithredol

Canolbwyntiodd yr arolwg anifeiliaid di-asgwrn-cefn sylfaenol hwn ar gorynod yng Ngwarchodfa Natur Genedlaethol y Berwyn. Fe'i cynhaliwyd ym mis Hydref 2025 gan ddefnyddio samplu gwactod. Astudiodd yr arolwg bedwar pwynt samplu prosiect yn y Berwyn, pob un o fewn sgwariau un cilometr ar wahân. Ymchwiliwyd hefyd i bwynt samplu pwl *Sphagnum* ychwanegol.

Trafodir canlyniadau mewn perthynas â rhywogaethau sy'n brin yn genedlaethol a rhywogaethau sy'n gysylltiedig â mawnogydd. Defnyddiwyd PANTHEON i ddadansoddi ac adnabod rhywogaethau sy'n gysylltiedig â mawnogydd a mawn asid a hesg. Cynhyrchodd yr holl bwyntiau samplu rywogaethau corynod sy'n gysylltiedig â mawnogydd/gwernydd. Fodd bynnag, cynhyrchodd pwynt samplu gwlypaf y prosiect (B) y nifer uchaf o rywogaethau corynod (28) a hefyd y nifer mwyaf o rywogaethau sy'n brin yn genedlaethol. Canfuwyd *Notioscopus sarcinatus* yn y pwynt samplu hwn hefyd. Roedd sgoriau SQL PANTHEON ar gyfer corynnod mawn asid a hesg yn amrywio, gyda phwyntiau samplu A a B yn dychwelyd y sgoriau SQL uchaf (gorau) o 400, ac yna B (250) a D (100).

Cofnodwyd 38 o rywogaethau corynod, tri medelwr ac un rhywogaeth o ffugsgorpion yn ystod yr arolwg (gweler yr atodiad). Cafwyd hyd i bedwar corryn sy'n brin yn genedlaethol: *Allomengea vidua*, *Notioscopus sarcinatus*, *Semljicola faustus*, *Sintula corniger*.

Executive summary

This baseline invertebrate survey focused on spiders at Y Berwyn NNR. It was conducted in October 2025 using vacuum sampling. The survey studied four project sample points at Y Berwyn all within separate 1 km squares. An additional *Sphagnum*-pool sample point was also investigated.

Results are discussed in relation to Nationally Scarce and Peat Bog associated species. PANTHEON was used to analyse and identify species associated with Peat Bogs and Acid & Sedge Peats. All sampling points produced Peat Bog/Acid Mire associated spider species. However, the wettest project Sample Point (B) yielded the highest number of spider species (28) and also the most Nationally Scarce species. *Notioscopus sarcinatus* was also found at this sample point. Pantheon SQL scores for Acid & Sedge Peat spiders varied, with Sample Points A and B returning the highest (best) SQL scores of 400, followed by B (250) and D (100).

38 species of spider, 3 harvestmen and 1 species of pseudoscorpion were recorded during the survey (see Appendix). Four Nationally Scarce spiders were found: *Allomengea vidua*, *Notioscopus sarcinatus*, *Semljicola faustus*, *Sintula corniger*.

1. Introduction

Y Berwyn NNR is a large upland site with half of it being owned and managed by Natural Resources Wales. The NNR is within Berwyn SSSI, Y Berwyn SAC, and Berwyn and South Clwyd Mountains SPA. The habitat is primarily a mosaic of dry heath and blanket bog, with much of the blanket bog having been partially drained by ditches and peat cutting in the preceding century(ies).

Due to various factors, little to no activity has taken place on the NNR in the past eight years or so, with the exception of low level sheep grazing by the commoners and graziers. NRW is undertaking careful and considered management of the site at present, including introducing cattle grazing, peatland restoration and future proofing the site.

The aim of this survey is to obtain a baseline assessment of the current invertebrate assemblages in the four areas A to D. Spiders were used to assess the assemblage because they are more easily recorded in late autumn than other, more seasonal, invertebrate groups. Many spider species are peatland specialists and can thus provide a useful insight into the condition of a peatland site (Scott *et al.*, 2006, Webb *et al.*, 2018).

2. Methods

This baseline survey at Y Berwyn NNR was conducted on 10th and 17th October 2025 at four monitoring sample points (A–D), and at an additional sample point (X) (Figures 1 to 6, Table 1). At each of the four monitoring sample points, 6-minutes of vacuum sampling (Figure 7) was undertaken to gather a representative sample of spiders (Gallon, 2018a&b, 2022). At sample point X, 2 minutes of vacuum sampling was undertaken to investigate the *Sphagnum*-fringed pool's fauna.

PANTHEON (Webb *et al.*, 2018) was used to analyse the resulting Area spider lists to identify species associated with Peat Bogs and Acid & Sedge Peats.

Table 1. Y Berwyn NNR 2025 sample points.

Sample point	Grid reference	Vacuum sampling date	Habitat
A	SH99023157	10/10/2025	Upland Heather heath
B	SJ01593051	10/10/2025	Blanket Bog with <i>Juncus</i>
C	SJ02113076	17/10/2025	Upland Heath. Bilberry, Heather and <i>Eriophorum vaginatum</i>
D	SJ03293021	17/10/2025	Blanket Bog. Dry. Heather, Crowberry and <i>Eriophorum vaginatum</i>
X	SJ03403023	17/10/2025	<i>Sphagnum</i> -fringed Pool

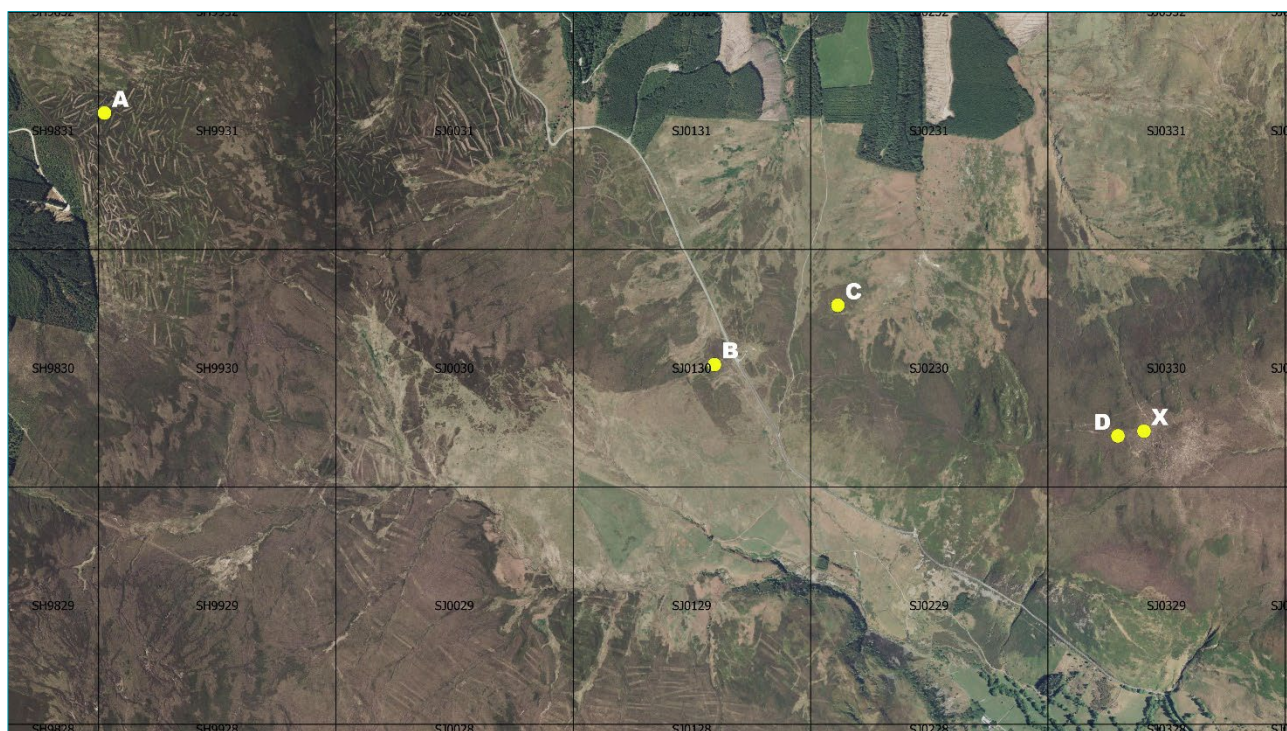


Figure 1. Y Berwyn NNR. Yellow circles indicating vacuum sampling points. 1 km grid squares.



Figure 2. Sampling point A at Y Berwyn NNR (SH99023157).



Figure 3. Sampling point B at Y Berwyn NNR (SJ01593051).



Figure 4. Sampling point C at Y Berwyn NNR (SJ02113076).



Figure 5. Sampling point D at Y Berwyn NNR (SJ03293021).



Figure 6. Sampling point X at Y Berwyn NNR (SJ03403023).



Figure 7. Vacuum sampler with sieves and trays.

3. Results

In total 38 species of spider (Table 2), 3 harvestmen and 1 species of pseudoscorpion were recorded during the survey (see Appendix). Four Nationally Scarce spiders were found: *Allomengea vidua*, *Notioscopus sarcinatus*, *Semljicola faustus*, *Sintula corniger* (Harvey *et al.*, 2017).

Table 2. Total spider species recorded at Y Berwyn NNR Sample Points (SP) A–D & X, highlighting peat bog/acid mire species. P indicates presence, P* and grey shading indicates peat bog/acid mire species. NS = Nationally Scarce.

Group	Family	Species	GB National Rarity Status	SP A	SP B	SP C	SP D	SP X
Araneae	Linyphiidae	<i>Agyneta subtilis</i>	-	P	-	-	P	-
Araneae	Linyphiidae	<i>Allomengea vidua</i>	NS	-	P*	-	-	-
Araneae	Linyphiidae	<i>Aphileta misera</i>	-	-	P*	-	P*	P*
Araneae	Linyphiidae	<i>Bathyphantes gracilis</i>	-	-	P	-	-	-
Araneae	Linyphiidae	<i>Bolyphantes luteolus</i>	-	P	P	-	P	-
Araneae	Linyphiidae	<i>Centromerita concinna</i>	-	-	P	-	P	P
Araneae	Linyphiidae	<i>Centromerus arcanus</i>	-	-	-	-	-	P*
Araneae	Linyphiidae	<i>Centromerus dilutus</i>	-	P*	P*	P*	P*	P*
Araneae	Linyphiidae	<i>Ceratinella brevipes</i>	-	P*	P*	P*	P*	-
Araneae	Linyphiidae	<i>Cnephalocotes obscurus</i>	-	P	-	-	P	-
Araneae	Linyphiidae	<i>Gonatium rubens</i>	-	P	P	P	P	-
Araneae	Linyphiidae	<i>Gongyliidium vivum</i>	-	-	P	-	-	-
Araneae	Linyphiidae	<i>Micrargus herbigradus sensu stricto</i>	-	-	P	-	P	-
Araneae	Linyphiidae	<i>Microlinyphia pusilla</i>	-	-	-	P	P	-
Araneae	Linyphiidae	<i>Minyriolus pusillus</i>	-	P	P	P	P	-

Group	Family	Species	GB National Rarity Status	SP A	SP B	SP C	SP D	SP X
Araneae	Linyphiidae	<i>Notioscopus sarcinatus</i>	NS	-	P*	-	-	-
Araneae	Linyphiidae	<i>Oedothorax fuscus</i>	-	-	-	-	-	P
Araneae	Linyphiidae	<i>Oedothorax gibbosus form tuberosus</i>	-	-	P	-	-	-
Araneae	Linyphiidae	<i>Palliduphantes ericaeus</i>	-	P	P	-	P	-
Araneae	Linyphiidae	<i>Pelecopsis mengei</i>	-	P*	P*	P*	P*	-
Araneae	Linyphiidae	<i>Peponocranium ludicrum</i>	-	-	P	P	-	-
Araneae	Linyphiidae	<i>Pocadicnemis pumila sensu stricto</i>	-	P	P	P	-	-
Araneae	Linyphiidae	<i>Semljicola faustus</i>	NS	-	P*	-	-	-
Araneae	Linyphiidae	<i>Sintula corniger</i>	NS	P*	P*	P*	-	-
Araneae	Linyphiidae	<i>Tallusia experta</i>	-	-	P*	-	-	-
Araneae	Linyphiidae	<i>Tenuiphantes alacris</i>	-	-	P	-	-	-
Araneae	Linyphiidae	<i>Tenuiphantes mengei</i>	-	P	P	P	P	P
Araneae	Linyphiidae	<i>Tenuiphantes zimmermanni</i>	-	P	P	P	P	P
Araneae	Linyphiidae	<i>Walckenaeria acuminata</i>	-	-	P	-	-	-
Araneae	Linyphiidae	<i>Walckenaeria antica</i>	-	P	-	-	-	-
Araneae	Linyphiidae	<i>Walckenaeria unicornis</i>	-	-	-	-	P	-
Araneae	Lycosidae	<i>Pardosa nigriceps</i>	-	P	P	P	P	-
Araneae	Mimetidae	<i>Ero furcata</i>	-	-	-	P	-	-
Araneae	Salticidae	<i>Neon reticulatus</i>	-	-	-	P	-	-
Araneae	Tetragnathidae	<i>Tetragnatha extensa</i>	-	-	P	-	-	-
Araneae	Theridiidae	<i>Pholcomma gibbum</i>	-	P	P	P	P	-
Araneae	Theridiidae	<i>Theonoe minutissima</i>	-	P*	P*	P*	P*	P*
Araneae	Thomisidae	<i>Ozyptila trux</i>	-	-	-	P	-	-
Totals	-	-		17	28	17	19	8
Peat Bog/Acid Mire species (P* and shaded grey)	-	-		5	10	5	5	4

3.1. Sample point A

17 different spider species were recorded from Sample Point A. Of these, 1 species was classified by PANTHEON as being associated with “acid & sedge peats” habitat: *Sintula corniger*. The spider sample returned an SQL score of 400 for the “acid & sedge peats” habitat.

PANTHEON identified 5 “Peat Bog” and/or “Acid Mire” spiders from the Habitat Score: *Centromerus dilutus*, *Ceratinella brevipes*, *Pelecopsis mengei*, *Sintula corniger*, *Theonoe minutissima*.

3.2. Sample point B

28 different spider species were recorded from Sample Point B. Of these, 8 species were classified by PANTHEON as being associated with “acid & sedge peats” habitat: *Allomengea vidua*, *Aphileta misera*, *Notioscopus sarcinatus*, *Oedothorax gibbosus*, *Semljicola faustus*, *Sintula corniger*, *Tallusia experta*, *Tetragnatha extensa*. The spider sample returned an SQL score of 250 for the “acid & sedge peats” habitat.

PANTHEON identified 10 “Peat Bog” and/or “Acid Mire” spiders from the Habitat Score: *Allomengea vidua*, *Aphileta misera*, *Centromerus dilutus*, *Ceratinella brevipes*, *Notioscopus sarcinatus*, *Pelecopsis mengei*, *Semljicola faustus*, *Sintula corniger*, *Tallusia experta*, *Theonoe minutissima*.

3.3. Sample point C

17 different spider species were recorded from Sample Point C. Of these, 1 species was classified by PANTHEON as being associated with “acid & sedge peats” habitat: *Sintula corniger*. The spider sample returned an SQL score of 400 for the “acid & sedge peats” habitat.

PANTHEON identified 5 “Peat Bog” and/or “Acid Mire” spiders from the Habitat Score: *Centromerus dilutus*, *Ceratinella brevipes*, *Pelecopsis menzei*, *Sintula corniger*, *Theonoe minutissima*.

3.4. Sample point D

19 different spider species were recorded from Sample Point D. Of these, 1 species was classified by PANTHEON as being associated with “acid & sedge peats” habitat: *Aphileta misera*. The spider sample returned an SQL score of 100 for the “acid & sedge peats” habitat.

PANTHEON identified 5 “Peat Bog” and/or “Acid Mire” spiders from the Habitat Score: *Aphileta misera*, *Centromerus dilutus*, *Ceratinella brevipes*, *Pelecopsis menzei*, *Theonoe minutissima*.

3.5. Sample point X

8 different spider species were recorded from Sample Point X. Of these, 1 species was classified by PANTHEON as being associated with “acid & sedge peats” habitat: *Aphileta misera*. The spider sample returned an SQL score of 100 for the “acid & sedge peats” habitat.

PANTHEON identified 4 “Peat Bog” and/or “Acid Mire” spiders from the Habitat Score: *Aphileta misera*, *Centromerus arcanus*, *Centromerus dilutus*, *Theonoe minutissima*.

4. Discussion

All five sampling points produced Peat Bog/Acid Mire spider species. Of the four project sample points (A–D), three yielded similar numbers of spider species: A = 17, C = 17 and D = 19. Sample point B produced a very high total of 28 different spider species. This can be explained by the different vegetation structure and wetness of the habitats. Points A, C and D being essentially dry upland heath habitats with Heather and Bilberry. Point B is within a gulley resulting in a damper, more stable habitat, with a more varied vegetation structure, including *Polytrichum* and *Juncus effusus* clumps. The higher humidity and more structurally varied location providing more opportunities for more spider species at Point B.

Point B also supported all four Nationally Scarce (NS) species recorded in this survey; the other sample points supporting fewer NS species (A = 1, C = 1, D = 0). *Notioscopus sarcinatus* was a particularly interesting find as this acid-wetland species has a very localised distribution.

Pantheon SQI scores for “Acid & Sedge Peat” spiders varied between the four project sample points. Sample points A and B returned the highest (best) SQI scores of 400, followed by B (250) and D (100).

5. Acknowledgements

Special thanks are extended to Bathilda Milton-Haynes (NRW) for commissioning the survey. Bathilda and Mike Howe (NRW) provided useful background information and help on the project.

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Appendix 1. Spiders and allies recorded from Y Berwyn NNR in October 2025.

Abundance qualifiers within tables are M (male), F (female) and i (immature). NS = Nationally Scarce.

Table 3. Sample point A, 10/10/2025, SH99023157, Y Berwyn NNR, E-vac (6 minutes) records.

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Agyneta subtilis</i>	-	1F
Araneae	Linyphiidae	<i>Bolyphantes luteolus</i>	-	1M 2F
Araneae	Linyphiidae	<i>Centromerus dilutus</i>	-	2M 2F
Araneae	Linyphiidae	<i>Ceratinella brevipes</i>	-	1M 2F
Araneae	Linyphiidae	<i>Cnephalocotes obscurus</i>	-	2M
Araneae	Linyphiidae	<i>Gonatium rubens</i>	-	1M 2F
Araneae	Linyphiidae	<i>Minyriolus pusillus</i>	-	3M 7F
Araneae	Linyphiidae	<i>Palliduphantes ericaeus</i>	-	3F
Araneae	Linyphiidae	<i>Pelecopsis mengei</i>	-	2M 4F
Araneae	Linyphiidae	<i>Pocadicnemis pumila sensu stricto</i>	-	1F
Araneae	Linyphiidae	<i>Sintula corniger</i>	NS	1F
Araneae	Linyphiidae	<i>Tenuiphantes mengei</i>	-	1F
Araneae	Linyphiidae	<i>Tenuiphantes zimmermanni</i>	-	6M 2F
Araneae	Linyphiidae	<i>Walckenaeria antica</i>	-	1F
Araneae	Lycosidae	<i>Pardosa nigriceps</i>	-	2F
Araneae	Theridiidae	<i>Pholcomma gibbum</i>	-	2M
Araneae	Theridiidae	<i>Theonoe minutissima</i>	-	1M 3F
Opiliones	Nemastomatidae	<i>Nemastoma bimaculatum</i>	-	1M 2F
Opiliones	Phalangidae	<i>Mitopus morio</i>	-	1M
Opiliones	Phalangidae	<i>Paroligolophus agrestis</i>	-	2M 2F
Pseudoscorpiones	Neobisiidae	<i>Neobisium carcinoides</i>	-	3

Table 4. Sample point B, 10/10/2025, SJ01593051, Y Berwyn NNR, E-vac (6 minutes) records.

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Allomengea vidua</i>	NS	4F
Araneae	Linyphiidae	<i>Aphileta misera</i>	-	1M
Araneae	Linyphiidae	<i>Bathyphantes gracilis</i>	-	2M 1F
Araneae	Linyphiidae	<i>Bolyphantes luteolus</i>	-	2M 4F
Araneae	Linyphiidae	<i>Centromerita concinna</i>	-	3M 1F
Araneae	Linyphiidae	<i>Centromerus dilutus</i>	-	2M 1F
Araneae	Linyphiidae	<i>Ceratinella brevipes</i>	-	1M 1F
Araneae	Linyphiidae	<i>Gonatium rubens</i>	-	4M 1F
Araneae	Linyphiidae	<i>Gongylidiellum vivum</i>	-	1M
Araneae	Linyphiidae	<i>Micrargus herbigradus sensu stricto</i>	-	2M 3F
Araneae	Linyphiidae	<i>Minyriolus pusillus</i>	-	3F
Araneae	Linyphiidae	<i>Notioscopus sarcinatus</i>	NS	1F
Araneae	Linyphiidae	<i>Oedothorax gibbosus form tuberosus</i>	-	1M 2F
Araneae	Linyphiidae	<i>Palliduphantes ericaeus</i>	-	7M 4F
Araneae	Linyphiidae	<i>Pelecopsis mengei</i>	-	1F
Araneae	Linyphiidae	<i>Peponocranium ludicrum</i>	-	1F
Araneae	Linyphiidae	<i>Pocadicnemis pumila sensu stricto</i>	-	2F

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Semijicola faustus</i>	NS	5M 1F
Araneae	Linyphiidae	<i>Sintula corniger</i>	NS	5M 8F
Araneae	Linyphiidae	<i>Tallusia experta</i>	-	4F
Araneae	Linyphiidae	<i>Tenuiphantes alacris</i>	-	1F
Araneae	Linyphiidae	<i>Tenuiphantes mengei</i>	-	2M
Araneae	Linyphiidae	<i>Tenuiphantes zimmermanni</i>	-	12M 6F
Araneae	Linyphiidae	<i>Walckenaeria acuminata</i>	-	2F
Araneae	Lycosidae	<i>Pardosa nigriceps</i>	-	1iM 1iF
Araneae	Tetragnathidae	<i>Tetragnatha extensa</i>	-	1i
Araneae	Theridiidae	<i>Pholcomma gibbum</i>	-	2M 4F
Araneae	Theridiidae	<i>Theonoe minutissima</i>	-	6F
Opiliones	Phalangidae	<i>Paroligolophus agrestis</i>	-	1F

Table 5. Sample point C, 17/10/2025, SJ02113076, Y Berwyn NNR, E-vac (6 minutes) records.

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Centromerus dilutus</i>	-	1M 2F
Araneae	Linyphiidae	<i>Ceratinella brevipes</i>	-	1F
Araneae	Linyphiidae	<i>Gonatium rubens</i>	-	1M 3F
Araneae	Linyphiidae	<i>Microlinyphia pusilla</i>	-	1i
Araneae	Linyphiidae	<i>Minyriolus pusillus</i>	-	1M 3F
Araneae	Linyphiidae	<i>Pelecopsis mengei</i>	-	1F
Araneae	Linyphiidae	<i>Peponocranium ludicrum</i>	-	1F
Araneae	Linyphiidae	<i>Pocadicnemis pumila sensu stricto</i>	-	1F
Araneae	Linyphiidae	<i>Sintula corniger</i>	NS	1M
Araneae	Linyphiidae	<i>Tenuiphantes mengei</i>	-	1M
Araneae	Linyphiidae	<i>Tenuiphantes zimmermanni</i>	-	2M 2F
Araneae	Lycosidae	<i>Pardosa nigriceps</i>	-	1F 1iM
Araneae	Mimetidae	<i>Ero furcata</i>	-	1M
Araneae	Salticidae	<i>Neon reticulatus</i>	-	1F
Araneae	Theridiidae	<i>Pholcomma gibbum</i>	-	7M 3F
Araneae	Theridiidae	<i>Theonoe minutissima</i>	-	1F
Araneae	Thomisidae	<i>Ozyptila trux</i>	-	1M
Opiliones	Nemastomatidae	<i>Nemastoma bimaculatum</i>	-	1F
Opiliones	Phalangidae	<i>Paroligolophus agrestis</i>	-	1F
Pseudoscorpiones	Neobisiidae	<i>Neobisium carcinoides</i>	-	1

Table 6. Sample point D, 17/10/2025, SJ03293021, Y Berwyn NNR, E-vac (6 minutes) records.

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Agyneta subtilis</i>	-	1F
Araneae	Linyphiidae	<i>Aphileta misera</i>	-	1M
Araneae	Linyphiidae	<i>Bolyphantes luteolus</i>	-	1M 1F
Araneae	Linyphiidae	<i>Centromerita concinna</i>	-	2M 1F
Araneae	Linyphiidae	<i>Centromerus dilutus</i>	-	2M 3F
Araneae	Linyphiidae	<i>Ceratinella brevipes</i>	-	1M
Araneae	Linyphiidae	<i>Cnephalocotes obscurus</i>	-	1M
Araneae	Linyphiidae	<i>Gonatium rubens</i>	-	2M
Araneae	Linyphiidae	<i>Micrargus herbigradus sensu stricto</i>	-	2M 1F
Araneae	Linyphiidae	<i>Microlinyphia pusilla</i>	-	1iF
Araneae	Linyphiidae	<i>Minyriolus pusillus</i>	-	3M 2F
Araneae	Linyphiidae	<i>Palliduphantes ericaeus</i>	-	2M 2F
Araneae	Linyphiidae	<i>Pelecopsis mengei</i>	-	1M

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Tenuiphantes mengei</i>	-	2F
Araneae	Linyphiidae	<i>Tenuiphantes zimmermanni</i>	-	6M 4F
Araneae	Linyphiidae	<i>Walckenaeria unicornis</i>	-	1M
Araneae	Lycosidae	<i>Pardosa nigriceps</i>	-	1iF
Araneae	Theridiidae	<i>Pholcomma gibbum</i>	-	2M 1F
Araneae	Theridiidae	<i>Theonoe minutissima</i>	-	1M 1F
Pseudoscorpiones	Neobisiidae	<i>Neobisium carcinoides</i>	-	1

Table 7. Sample point X, 17/10/2025, SJ03403023, Y Berwyn NNR, E-vac (2 minutes) records.

Group	Family	Species	GB National Rarity Status	Abundance
Araneae	Linyphiidae	<i>Aphileta misera</i>	-	2M
Araneae	Linyphiidae	<i>Centromerita concinna</i>	-	1M
Araneae	Linyphiidae	<i>Centromerus arcanus</i>	-	1M
Araneae	Linyphiidae	<i>Centromerus dilutus</i>	-	1M 2F
Araneae	Linyphiidae	<i>Oedothorax fuscus</i>	-	2M 1F
Araneae	Linyphiidae	<i>Tenuiphantes mengei</i>	-	1F
Araneae	Linyphiidae	<i>Tenuiphantes zimmermanni</i>	-	1M
Araneae	Theridiidae	<i>Theonoe minutissima</i>	-	1F
Pseudoscorpiones	Neobisiidae	<i>Neobisium carcinoides</i>	-	1

Data Archive Appendix

The data archive contains:

- [A] The final report in Microsoft Word and Adobe PDF formats.
- ~~[B] A full set of maps produced in JPEG format.~~
- ~~[C] A series of GIS layers on which the maps in the report are based with a series of word documents detailing the data processing and structure of the GIS layers.~~
- ~~[D] A set of raster files in ESRI and ASCII grid formats.~~
- ~~[E] A database named [name] in Microsoft Access 2000 format with metadata described in a Microsoft Word document [name.doc].~~
- ~~[F] A full set of images produced in [jpg/tiff] format.~~
- [G] Species records are held in the Welsh Invertebrate Database (WID).

Metadata for this project is publicly accessible through Natural Resources Wales' Library Catalogue <https://libcat.naturalresources.wales> (English Version) and <https://catllyfr.cyfoethnaturiol.cymru> (Welsh Version) by searching 'Dataset Titles'. The metadata is held as record no. **NRW_DS161661**.

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