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**Front Cover image:** *Linaria supina* (Prostrate Toadflax) found at the old site of the Carmarthen Bay Power Station © John Crellin. See page 6.

## Page 2:

**Images 2, 4 and 5:** *Silene gallica* (Small-flowered Catchfly) at Burry Port West Dock. See page 6. (Image 2 © Richard Pryce, image 4 © John Crellin, image 5 © B. Brown).

**Image 3:** *Myosotis discolor* ssp. *dubia* (Changing Forget-me-not) at Capel Dyddgen SSSI on the second fieldtrip of the AGM. © Pete Stroh. See page 6.

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See [www.bsbi.org.uk/wales.html](http://www.bsbi.org.uk/wales.html) for back issues. Printed versions of some back issues are still available on request @ £2.50 per issue; please contact Sally Whyman or Katherine Slade. Cheques are payable to BSBI (the BSBI Wales bank account has now closed). Future issues are available to BSBI members living outside of Wales by sending £2.50 in advance.

*Liz Howe (1959-2019) joined the BSBI in 1990 and was a key to its relationship with the Countryside Council for Wales (lately Natural Resources Wales), where she headed both the Phase I Habitat Survey and Species Teams. Her work there helped to create the flood of plant species records, the BSBI Wales Officer post, the BSBI Distribution Database and much else of benefit to botany here in Wales. You can read and hear more about Liz in two very good tributes, in the 5/5/19 “Guardian” and on the 10/5/19 edition of Radio 4’s “Last Word” (both available online) but we thought that, with the kind permission of her family, readers might like to share some of her own ‘Last Words’, originally written for friends and colleagues in the field of conservation, as a ‘Guest Editorial’ here.*

## **Ecology**

I was fortunate to be working in the Welsh countryside for all of my working life with some amazing, knowledgeable people – all experts and specialists. Short contracts, the heavenly Phase I habitat survey, bats, newts, running contracts and helping to steer Species and Habitats experts through the maze of changing bureaucracy, process and obfuscation. Seeing agri-environment schemes come and go along with their trained staff was a frustration... some good done but not focussed enough and far too short – sympathetic management needs to be in place a long time to improve habitat condition. Advances in technology for GIS, LIDAR, earth observation are great but you still need ground-truthing and I still like to eyeball aerial photos. There has been so much new legislation that should help protect and expand wildlife but will we ever sort out our priorities?

Completing the Habitat Survey of Wales book with Tim Blackstock, David Stevens and colleagues (Blackstock et al, 2010) was probably the highlight of my career. Please make sure the baseline is used, fight ignorance of its scope, accept its limitations, but above all, keep vegetation skills alive and well in Wales. Please, please make sure that the Peatland Survey of Wales is completed, given time to be written up and added to our exceptional resource of detailed habitat survey data.

Of course, the reality never quite matches the possibilities or expectations, as generally time-limited projects, policies and schemes need to be longer and with guaranteed funding to do good. Despite this, we soldier on to do the best we can with limited resources for species and habitats, the linchpins or whatever is the current collective catchphrase. With bankers and all sorts of other professions talking about their ‘ecosystems’ perhaps we need to get back to basics.

The SSSI and NNR series (who knows what will happen to SPA/SACs) should underpin our conservation efforts. Why not glance through Derek Ratcliffe's Nature Conservation Review volumes (Ratcliffe, 1977)? Look at the pictures and remind yourselves that these sites are part of a UK network chosen on UK criteria that sits as a representation of the Atlantic seaboard fauna and flora and habitats that echoes the millenia of man's interaction with the land. Wales is not an island, it is part of the GB landmass and we should acknowledge the interchanges that occur across such a small island and the great migratory routes of the world on this little patch on the edge of Europe. Of course, for many of our organisms, close proximity of enough suitable habitat is essential, their propagules don't necessarily move far enough to find tiny, isolated patches. So attention is needed for all scales of habitat heterogeneity, temporal as well as spatial. Don't forget, species may need very different conditions at different times in their life stages.

John Lawton's "more, bigger, better quality, better joined up" (Lawton, 2010) is a great shorthand message. But, dare I say it, the elephant in the room is how on earth do we extensify habitats, reduce grazing and chemical pressure from methane and ammonia, and generally make the wider countryside more suitable in the face of needing to produce food and space for people? Spatial planning may help in some places... but it won't work everywhere. You need red lines. Favourite fact: 1/2 of Wales (1,000,000 ha) is improved rye grass grassland. What could we do with that?

I always want to speak up for the rare, small, scattered 'specialist' habitats: the ones that often support similarly challenged species. They cannot be rolled up into the generality of conservation but need special attention and protection and proper management.

Reptiles and amphibians have been a focus of mine, their needs often being overlooked, and ignorance of appropriate management for vertebrates is such a surprise. We need better records, a UK monitoring scheme and greater cooperation from land managers. Please support ARC (Amphibian and Reptile Conservation Trust) in its projects.

Climate change is obviously going to be a big challenge and a driver for a lot of what you do... I hope, but don't overegg the benefits of the mitigation work that we've done to date.

So, eco rant over. I wish you all well in whatever posts you find yourselves in the new world of Welsh conservation but please don't forget the species and habitats when plying your trade.

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*The editors are very grateful to Andy Jones for preparing Liz's text and we're sure you will wish us to convey your condolences and best wishes to her family. We very much hope that her achievements and unparalleled contribution to nature conservation in Wales will continue under the present NRW regime.*

## BSBI members savour the delights of Carmarthenshire at the Wales annual meeting

RICHARD PRYCE & BARBARA BROWN

What better excuse to enjoy some late spring sunshine and botanising than the BSBI Wales Spring Meeting and AGM? This was held between Tuesday 21<sup>st</sup> of May and Thursday 23<sup>rd</sup> at the Stradey Park Hotel in Llanelli and a packed programme had been prepared by Richard and Kath Pryce (VCRs for Carmarthenshire).

Members arrived after lunch on Tuesday and set out for Burry Port Harbour. Richard led us through the various brown-field and disturbed dune habitats, pointing out the plant highlights, which, at the west dock, included seventeen plants of *Silene gallica* (Small-flowered Catchfly) at its only site in the county (see images 2,4 & 5 on page 2). Nearby, the differences between *Ranunculus sardous* (Hairy Buttercup) and *R. bulbosus* (Bulbous Buttercup) were demonstrated by Julian Woodman where both species were growing in close proximity. On the disturbed dunes, *Silene conica* (Sand Catchfly), *Trifolium scabrum* (Rough Clover), *T. striatum* (Knotted Clover) and *Poterium sanguisorba* ssp. *balearicum* (Fodder Burnet) were seen associated with large populations of *Anisantha diandra* (Great Brome), its identity being confirmed

later by Graeme Kay. *Poa bulbosa* (Bulbous Meadow-grass) was discovered by Julian and found to be locally abundant but totally desiccated this late in the spring, which, despite being easily identified by the bulbous based culms, was the first county record. Finally, several plants of the lovely *Linaria supina* (Prostrate Toadflax) were shown to the party scattered on the rubbly, mostly vegetated, crushed-concrete site of the Carmarthen Bay Power Station, demolished in 1992 (see image on front cover).

In the evening Richard gave a talk on more than 40 years of botanising in Carmarthenshire describing how he was gradually drawn away from geology to botany whilst working for the National Coal Board. He paid tribute to early inspiration from Barry Goater, his school biology teacher, and to the day in 1973, when he first met Irene Vaughan, the then BSBI County Recorder. He touched on the development of the National Botanic Garden of Wales and the growth of the very successful Carmarthenshire Meadows Group. He also showed us a series of maps illustrating the importance of high-precision recording (to at least 10 figure grid reference) as this gives a much better feeling for local abundance. It also makes refinding significant records much easier in the future. A few botanical highlights were featured, from *Lathyrus palustris* (Marsh Pea) found for the first time in Carmarthenshire in 1971 at the time when Richard was just a novice botanist, to the recently recognised hybrid fleabane *Erigeron x stanleyi* – discovered by Barry Stewart just in time for its inclusion in Stage 4.

After the Committee for Wales meeting and AGM on Wednesday morning, the second field trip explored Capel Dyddgen SSSI which includes a delightful series of meadows, both calcareous and acid, as well as dry and marshy with each being enclosed by woodlands or thick hedges. Richard and Kath wove us through the maze of small fields and woodland paths pointing out *Geranium columbinum* (Long-stalked Crane's-bill), *Orchis mascula* (Early-purple Orchid), *Dactylorhiza praetermissa* (Southern Marsh-orchid) and, of course, *Trocdaris (Carum) verticillatum* (Whorled Caraway) which, although not yet in flower, was recognisable by its very distinctive leaves. Andy Jones helped us understand the subspecies of *Myosotis discolor* ssp. *dubia* (Changing Forget-me-not), drawing attention to its initially whiter flowers and the alternate uppermost leaves and *dubia*'s preference for damp grassland (see image 3 on page 2). Martyn Stead found a plant of *Geum x intermedium* by the stream along which both parents grow. This was the first record of the hybrid from Capel Dyddgen and the first post-2000 record for the SN41 hectad. Arthur Chater, Nigel Stringer and Ray Woods raised the microfungi records from the site to 18 rusts and 25 species from other groups, whilst Tim Rich sought to add to the 23 refereed *Taraxacums* (Dandelions) already recorded! The party was

encouraged to look out for Marsh Fritillary butterflies but none were seen until after most people had left, when Arthur Chater spotted a rather active individual which delighted the occupants of the last two cars to leave but required a degree of nifty pursuit to confirm its identity! Also, Stephen and Anne Coker, reported another sighting in its more usual *Molinia* (Purple Moor-grass) grassland habitat earlier in the day.

Before dinner The Wales Officer, Barbara Brown, and Pete Stroh, gave a workshop for VCRs on data validation which was followed after dinner by Pete's talk on Atlas 2020 progress and Nigel Stringer's entertaining introduction to the biology of rusts and some other fungal plant parasites. He described the importance of the contributions that amateur mycologists are making to the science now that the museums, academic institutions and government research bodies no longer employ such expertise. He also outlined his recording method which he has designed to be easily repeatable by future mycologists.

Members attending the last field day visited Pembrey Burrows, a Special Area of Conservation and Local Nature Reserve with rich duneland and saltmarsh habitats. They were led by Paul Aubrey, the County Council's "Outdoor Recreation Service's Coordinator for Volunteers & Education" and accompanied by numerous Skylarks singing overhead. *Thalictrum flavum* (Common Meadow-rue), *Ranunculus lingua* (Greater Spearwort), *Botrychium lunaria* (Moonwort) and *Anacamptis morio* (Green-winged Orchid) were all found. Intriguingly some floating rafts of leaves in "Jim Davies' pond" were hoped to be *Luronium natans* (Floating Water-plantain). However on closer examination, back in the lab, they turned out to be *Alisma plantago-aquatica* (Common Water-plantain) as they had latex which was not possible to see in the field. This was a disappointment as *Luronium* has been searched for over many years without success and has never been confirmed as Carmarthenshire species despite several 'hopeful', but since disproved, records.

Along the track at least a dozen Small Blue butterflies were taking advantage of the shelter provided by the line of scrub and several Green Hairstreaks were seen close by.

The party dispersed at about 3pm as many participants had long distances to travel home. Richard and Kath were warmly thanked for arranging the meeting which had been made all the better by the warm sunny weather, the comfortable hotel accommodation and first-rate meals! Richard and Kath were heartened to observe much discussion taking place between all abilities of botanists during the field excursions.

In addition to the numerous new vascular plant records, Nigel tells me that forty-three rusts records were made during the site visits over the three days

comprising of thirty species of rusts on thirty-two hosts, the most notable of which were those on *Stachys officinalis* (Betony), *Caltha palustris* (Marsh-marigold), *Chrysosplenium oppositifolium* (Opposite-leaved Golden-saxifrage) and *Valeriana dioica* (Marsh Valerian), all of which are uncommon in Carmarthenshire.

## ***Hieracium reticulatiforme* new to Wales**

TIM RICH, *email: tim\_rich@sky.com* and DAVID McCOSH

Whilst searching for *Hieracium tavense* (Black Mountain Hawkweed) at Nant y Llyn, Black Mountain, v.c. 42 (SN844207) on 28 August 1998, Tim Rich found a second species of *Hieracium* section *Foliosa* which could not be named at the time by P. D. Sell or D. McCosh (= '*Hieracium* sp.' in Rich & Houston 2000). On a second visit on 30 July 1999, 11 clumps were counted. In 2018 another visit was paid to the waterfall where about five clumps of the unknown species were refound. The additional material collected was identified by David McCosh as *H. reticulatiforme* P. D. Sell, a species first described in 2006 (Sell & Murrell 2006).

*Hieracium reticulatiforme* is new to Wales. It is a British endemic which is widespread in Scotland and was only previously known as far south as Yorkshire (McCosh & Rich 2018). Vouchers have been deposited in BM and NMW.

*Hieracium reticulatiforme* can be distinguished from *H. tavense*, with which it grows, by the ovate-lanceolate upper stem leaves and presence of simple eglandular hairs on the involucre bracts and peduncles (upper stem leaves linear-lanceolate and simple hairs absent from the involucre bracts and peduncles in *H. tavense*).

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## How are our Plants doing?

### Biological recording as a community of citizen scientists in the village of Penparcau, near Aberystwyth

CHLOE GRIFFITHS. *Email: chloe.griffiths.ecology@gmail.com*

In 2018 this is still a hard question to answer. There has been a lot of concern at a national level because, “Our ability to monitor the state of nature, and respond with appropriate conservation action, is hampered by a lack of knowledge on the trends of most of the UK’s plant and animal species.” The State of Nature Report (2013).

More recently we have seen in the Well-being of Wales 2016-17 Report that “overall, biological diversity is declining, and no ecosystems in Wales can be said to have all the features needed for resilience. There is an urgent need to uncover the causes of this decline, its geographical extent, and to understand the ramifications of the decline for ecosystems and ecosystem services.”

In response, The Nature of our Village project set out to massively increase how much we know about wildlife in Penparcau, a village of over 3,000 people and covering 190 hectares in West Wales. It began in November 2015 as a partnership between the Penparcau Community Forum, the West Wales Biodiversity Information Centre and the Wildlife Trust for South and West Wales. The project is run by Chloe Griffiths, an ecologist living in Penparcau. We are working to keep the knowledge of species distribution updated with our evidence and to help to inform climate change science.

There are excellent plant records for Penparcau, thanks to Arthur Chater’s Flora of Ceredigion, and the hard work of many talented local botanists. In 2016 we carried out flowering plant surveys with the Wildlife Trust of South and West Wales on a Roadside Verge Nature Reserve next to a busy road, and were pleased to be able to observe an increase of 20 new plant species from the 56 previously recorded there. We repeated this survey with volunteers and the Reserves Manager, Em Foot in 2017, and were able to add 7 new plant species, with a further 6 new species occurring in 2018. These included Meadowsweet (*Filipendula ulmaria*) and Square-stalked Willowherb (*Epilobium tetragonum*), as well as Garlic Mustard (*Alliaria petiolate*), which is the foodplant of the Orange Tip butterflies, and has managed to spread from nearby Parc y Llyn. An exciting find at this location was the Lesser Sea-spurrey, (*Spergularia marina*) which is normally found very close to the sea shore. Steve Chambers, the Vice-County Recorder for Plants noted that it was “particularly interesting growing a short distance inland...yours looks c. 1.5 km (inland), so a vice-county record

breaker!” We hope that this increased biodiversity demonstrates the value of this change in management approach.

Whilst surveying our local gorse scrub covered hill, Pen Dinas, we paid particular attention to the ruins of an old farmhouse, Pant-yr-Allt. We have begun to manage this area for the benefit of flowering plants, as they were being lost to scrub, working as volunteers in partnership with the Wildlife Trust, Greener Aberystwyth Group and the Penparcau Community Forum. We were hoping to see the return of a rare plant, Knotted Hedge-parsley (*Torilis nodosa*), as it had last been recorded on the site in 2008. In 1977 approx. 300 plants were seen there, but sadly it has not reappeared in 2016, 2017 or 2018 despite our annual efforts to remove encroaching scrub from this area. We will check again during 2019.

However, we did notice that our habitat conservation work had increased the number and variety of species at Pant yr Allt, and it is now host to 36 flowering plants and ferns. Species newly recorded at these ruins in 2017 included Oval Sedge (*Carex leporina*) and Cut-leaved Crane’s-bill (*Geranium dissectum*). In 2018 our botanical survey showed 4 new species, including Hemp-agrimony (*Eupatorium cannabinum*), Rough Chervil (*Chaerophyllum temulum*) and Tormentil (*Potentilla erecta*).

The Aberystwyth Botanical Society ran a walk around Coed Geufron, part of which is in the village, in May 2018, which was attended by 12 people. This woodland is next to a housing estate and is accessible to many local people. There was a good assembly of woodland plants to admire, with Broad Buckler-fern (*Dryopteris dilatata*), Enchanter’s-nightshade (*Circaea lutetiana*) and even a Wych Elm (*Ulmus glabra*) which was thought to be over 60 years old. We thank Adam Thorogood from the Woodland Trust for his leadership and expertise.

At the end of the very hot summer of 2018 we found that the well-known “Penparcau Yucca” was actually in flower. This plant grows on the south-facing flank of Pen Dinas and was thought to be a remnant of the days when a rubbish tip was sited there. Arthur Chater notes it in 2005 as “one strong stem”, but has never before seen it in flower. Mr. Chater also provided the project with a comprehensive list, updated in 2018, of all botanical species ever recorded in our area, comprising of 434 species, for which we are extremely grateful.

Another plant of interest in 2018 was the Yellow Horned-poppy, (*Glaucium flavum*), which had begun to spread from the shingle of Tanybwllch beach in to the field directly behind it, with 114 rosettes being visible in September 2018. Steve Chambers responded to our find: “Spectacular. It’s heartening to know species can respond given a chance. I often imagine the Tanybwllch Valley full

of reed beds, coastal carr, brackish swamps, gravel bars...it must have been like that thousands of years ago.”

We began looking for plant galls this year, and were pleased to make a good number of County Firsts, mostly because there are so few people recording them, as Janet Boyd from the British Plant Gall Society says: “Wales is seriously under recorded. I have only 20 gall records for v.c.46, (Ceredigion), I would be delighted to add your records to our database. This is brilliant, having a recorder in Wales!” As many readers will know, plant galls are an interesting example of interaction between insects and plants, where eggs are laid into plant material, causing it to either increase the size of its cells or the number of them. This causes odd-looking plant growth, like the familiar Oak Galls and Robin’s Pincushion. There are an enormous number of these galls, and we are enjoying this area of study. Thanks go to Arthur Chater for his support in this topic on which he has done so much work.

The project benefited from training in winter twig identification from John Poland for BSBI, and also in arable weeds identification at the BSBI conference, which was held locally to us at Aberystwyth University in 2018.

We thank Tom Ottley for providing us with a spreadsheet of a fantastic 151 bryophytes that he and others recorded in our village. Most of them predate this recording year, but 17 are within it. It is of great value to have these older records. He notes that two species of particular interest were “*Pterogonium gracile* (Bird's-foot Wing-moss) as it is very scarce in Ceredigion and *Tortula viridifolia* (Bristly Pottia) which is strongly coastal in distribution and usually found on rock outcrops on the cliffs but it is on the river bank on gravelly soil in a number of places.” We are very lucky to have this level of scholarship to rely on for these often over-looked plants.

The recording project will continue for 2 more years, and if anyone would like to come along on one of our surveys, you would be most welcome. You can get in touch with the project by contacting: [chloe.griffiths.ecology@gmail.com](mailto:chloe.griffiths.ecology@gmail.com).

# Welsh Plant Records 2018

Welsh Plant Records are compiled by Stephen Coker, Mountain Grove, Clarbeston Road, Haverfordwest, Pembrokeshire, SA63 4SG, from reports of BSBI vice-county Recorders to whom records should be sent. Plants are listed for each vice-county in the order of D.H. Kent's *List of Vascular Plants of the British Isles* (1992) and *Supplements 1, 2 & 3* (1996 & 2000) the number in those lists preceding the name so that names changed since 1996 can be given without giving the former name. Latin names follow the 3<sup>rd</sup> edition of C.A. Stace's *New Flora of the British Isles* (2010) or, if not in that Flora, E.J. Clement & M.C. Foster's *Alien Plants of the British Isles* (1994). T.B. Ryves, E.J. Clement & M.C. Foster's *Alien Grasses of the British Isles* (1996) or Sell & Murrell's *Flora of Great Britain and Ireland* (1996-2009). Authorities for Latin names are not given unless the name is not in any of these works. English names are those in Stace (2010) or *English Names of Wild Flowers* ed. 2 (1986) by Dony *et al.*, or, if not in either of those, Clement & Foster (1994), Ryves, Clement & Foster (1996) or Sell & Murrell (1996-2009). English names enclosed by square brackets do not occur in any of these books but have been used elsewhere. Welsh names are those in *Planhigion Blodeuol, Conwydd a Rhedyn*, published by Cymdeithas Edward Llwyd (2003).

The following symbols are used:

\* to indicate a new v.c. record; ⊗ to indicate an updated VCCC record; ℞ to indicate a record demonstrating the rediscovery of a taxon published as extinct in the VCCC

+ to indicate a new hectad record; ⊕ to indicate an updated hectad record; ⊖ to indicate a new tetrad record

† indicates archaeophyte; ‡ indicates neophyte; © indicates casual.

†‡© before the species number: to indicate that the species is regarded as an archaeophyte, neophyte or casual at least somewhere in the British Isles.

†‡© after the species number: to indicate that the species is regarded as an archaeophyte, neophyte or casual generally within the vice county, different from that of the British Isles.

†‡© before the record: to indicate a species which although a native, archaeophyte or neophyte at least somewhere in the vice county, is not so in the locality recorded.

[ ] to indicate that the record, previously published in error, should be deleted.

↻ to indicate an update to a rare or scarce taxon.

∅ to indicate that the taxon is now believed to be extinct in the locality cited.

N, S, E, W indicate points of the compass.

In general, only records which update the *Vice-county Census Catalogue* [VCCC] (2003) or the *New Atlas of the British & Irish Flora* (2002) will be listed. Other records are included at the discretion of the vice-county recorder. The minimum grid reference is to a hectad but, if supplied by the recorder, more precise grid references may be included. A letter in parentheses following a grid reference indicates a tetrad.

The Vice-county Recorders from 2019 are:

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MONMOUTH, v.c.35 (comm. S.J. Tyler & E. Wood)

- +c1-1-vul **Chara vulgaris** (Common Stonewort). Pond, MOD Caerwent, ST47 92, S.Tyler & E.Wood, 12th June 2018; (+) pools on colliery waste, Pwll-du, SO24 10, S.Tyler & E.Wood, 23rd June 2018.
- +004/1.4×5. **Equisetum ×litorale** (Shore Horsetail) (Marchrawnen y Glennydd). By stream, Hengoed, ST15 94, S.Tyler & E.Wood, 3rd May 2018; (+) damp wood,

- Glasllwch, ST29 85, S.Tyler & E.Wood, 30th May 2018; (+) by damp stream, Llanbedr, ST39 91, E. & A.Wood, 26th May 2018; (+) damp wood, Ty Fry Big Wood, ST43 96, E. & A.Wood, 17th Jun 2018; (+) by quarry pools, Livox, ST54 97, E. & A.Wood, 6th Jun 2018; (+) by river, River Wye below Redbrook, SO53 09, S.Tyler, 9th Aug 2018.
- +017/1.1×2. **Polystichum ×bicknellii**. Woodland edge, Hengoed, ST15 94, S.Tyler & E.Wood, 3rd May 2018.
- +‡024/1.1 **Laurus nobilis** (Bay) (Llawrwydden). Naturalised in cemetery, St Woolas Newport, ST29 87, S.Tyler, 21st July 2018.
- +028/13.24. **Ranunculus peltatus** (Pond Water-crowfoot) (Crafanc-y-frân y Llyn). Ponds, Caerwent quarry, ST47 89, E. & A.Wood, 28th Jan 2018.
- +028/13.26. **Ranunculus fluitans** (River Water-crowfoot) (Crafanc-y-frân yr Afon). River Usk, Newport outskirts, ST28 86, S.Tyler & E.Wood, 30th May 2018.
- +‡035/2.1. **Ficus carica** (Fig) (Ffigysbren). In wall by the river, Cwm, SO18 04, S.Tyler & E.Wood, 8th Aug 2018.
- +040/1.1×2. **Betula ×aurata**. quarry, ST54 94, E. & A.Wood, 6th June 2018; (+) Blaengavenny, SO30 18, S.Tyler & E.Wood, 21st May 2018; (+) woodland, Loysey Wood, SO49 06, S.Tyler, 15th June 2018.
- +†043/1.05. **Chenopodium glaucum** (Oak-leaved Goosefoot) (Troed-yr-wydd Dail Derw). Pavement outside farm building, Orchard Farm, ST28 81, E. & A.Wood, 4th Sept 2018.
- +†043/1.10. **Chenopodium hybridum** (Maple-leaved Goosefoot) (Troed-yr-wydd Dail Masarn). Edge of maize field, Clytha, SO37 09, S.Tyler, 17th Sep 2018.
- +‡044/1.2.© **Amaranthus hybridus** (Green Amaranth) (Blodyn Amor Gwyrdd). Edge of maize field, Clytha, SO37 09, S.Tyler, 30th Aug 2018.
- ✕+046/05.1. **Stellaria nemorum** (Wood Stitchwort) (Serenllys y Coed). Woodland by river, Pandy, SO33 22, S.Tyler, 14th Jun 2018, unable to determine subsp as no viable seed produced.
- +‡046/07.03. **Cerastium tomentosum** (Snow-in-summer) (Clust-y-llygoden y Felin). Abundant along cycle track, Trethorn, ST19 88, E. & A.Wood, 8th Oct 2018.
- \*047/1.aff. **Persicaria affinis** (Himalayan Bistort). Edge of woodland nature reserve, Allt-yr-yn, Newport, ST29 88, E. & A.Wood, 15th Oct 2018, well naturalised at the top of the woodland area.
- +051/1.14. **Hypericum hirsutum** (Hairy St John's-wort) (Eurinllys Blewog). Limestone track, Ynysddu, ST19 93, S.Tyler & E.Wood, 18th July 2018.
- \*‡053/1.4. **Malva nicaeensis** (French Mallow) (Hocysen Ffrainc). Waste ground, by transporter bridge in Newport, ST31 86, E. & A.Wood, 24th Apr 2018.
- +057/1.01. **Viola odorata var. imberbis** (Sweet Violet) (Fioled Bêr). Hedgerow, Llwynceilyn, ST35 94, S.Tyler & E.Wood, 18th Apr 2018.
- +061/2.09×01. **Salix ×smithiana (S. viminalis × S. caprea) [S. ×sericans]** (Broad-leaved Osier) (Helygen-wiail Lydanddail). Hedgerow, Cefn Tilla, ST33 95, E. & A.Wood, 30th July 2018; (+) woodland, Blackcliff, ST53 99, E. & A.Wood, 5th August 2018.
- +061/2.09×11. **Salix ×holosericea (S. viminalis × S. cinerea) [S. ×smithiana]** (Silky-leaved Osier) (Helygen Dail Sidan). Hedgerow, Pantygasseg, ST25 99, E. &

- A.Wood, 30th Sept 2018; (+) quarry, Livox, ST54 97, E. & A.Wood, 6th June 2018; (+) Ilanrothal, SO46 18, S.Tyler, 29th May 2018; (+) Argoed by old school, SO52 08, S.Tyler, 24th Aug 2018.
- +061/2.11×12. **Salix ×multinervis**. Reenside, Nash, ST35 83, S.Tyler & E.Wood, 27th Sept 2018.
- +‡062/11.3. **Barbarea intermedia** (Medium-flowered Winter-cress) (Berwr-y-Gaeaf Canolig). Edge of arable field, Watery Lane, Monmouth, SO49 13, S.Tyler, 27th May 2018.
- \*‡062/14.5.fp. **Cardamine pratensis flore pleno**. Wet meadow, Kilgwrrg, ST46 98, E.Wood, 23rd May 2018.
- ✕+066/1.1. **Pyrola minor** (Common Wintergreen) (Glesyn-y-gaeaf Bach). Under willows on coal spoil, Gan yr erw, Garn Lakes, SO23 10, Rachel Edwards & Steve Williams, 3rd Jul 2018.
- +‡073/1.3. **Crassula helmsii** (New Zealand Pigmyweed) (Corchwyn Seland Newydd). Festival ponds, Ebbw Vale, SO17 06, E. & A.Wood, 15th Feb 2018.
- +‡075/17.3.b. **Poterium sanguisorba subsp. balearicum** (Fodder Burnet) (Bwrned Ebran). Industrial estate, Caldicot, ST49 87, E. & A.Wood, 31st Aug 2018; (+) quarry, Livox, ST54 97, E. & A.Wood, 6th June 2018, from seed mix probably; (+) roadside verge, Usk, SO37 01, S.Tyler & E.Wood, 29th Dec 2018.
- +075/21.16 **Rosa sherardii** (Sherard's Downy-rose) (Rhosyn Sherard). Hedgerow, Cwm Merddog, SO18 06, S.Tyler & E.Wood, 17th Sept 2018, 1st record since 1965 in the hectad.
- +‡075/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster) (Cotoneaster Deilgrych Rehder). Hedgerow, Abertillery, SO22 03, S.Tyler, 21st Sept 2018.
- +‡077/02.1. **Galega officinalis** (Goat's-rue) (Nuw'r Geifr). Little Mountain, SO28 02, S.Tyler, E.Wood & A.Wood, 14th Nov 2018.
- ✕+077/10.3. **Ornithopus perpusillus** (Bird's-foot) (Troed yr Aderyn). Edge of track on hill, Hill Fort, Newport, ST289 264, S.Tyler & E.Wood, 30th May 2018.
- +‡077/15.07. **Lathyrus grandiflorus** (Two-flowered Everlasting-pea) (Ytbysen Fythol Fawr-flodeuog). Edge of woodland, Hale Wood, ST47 96, E. & A.Wood, 16th June 2018.
- +077/19.20. **Trifolium striatum** (Knotted Clover) (Meillionen Rychog). Abundant in stretch of wet ground by the river, Duffryn, Newport, ST28 86, S.Tyler & E.Wood, 30th May 2018.
- +‡080/1.man.© **Gunnera manicata** (Brazilian Giant-rhubarb) (Rheonllys Mawr Brasil). River Usk, Usk, SO37 02, M.Ogden, 8th Aug 2018.
- +084/1.03×08. **Epilobium ×interjectum**. Roadside verge, West of Tintern, SO51 00, E.Wood, 5th Aug 2018.
- \*‡091/2.03. **Euphorbia corallioides** (Coral Spurge) (Llaethlys Cwrelaidd). Roadside verge up to castle, Usk, SO37 01, S.Tyler & E.Wood, 29th Dec 2018.
- +‡091/2.16.b. **Euphorbia amygdaloides subsp. robbiae**. Woodland, Coed-y-cerrig, SO28 21, S.Tyler, 26th Nov 2018.
- +‡102/1.03. **Oxalis corniculata** (Procumbent Yellow-sorrel) (Suran Orweddol). Hedgerow, Michaelstone-y-Fedw, ST24 84, S.Tyler & E.Wood, 24th Oct 2018; (+) waste ground, Skenfrith, SO45 20, S.Tyler, 24th July 2018.

- +‡102/1.04. **Oxalis exilis** (Least Yellow-sorrel) (Suran Felen Fach). Roadside verge, Llantrisant, ST39 96, E. & A.Wood, 14th Oct 2018.
- +‡102/1.10. **Oxalis debilis** (Large-flowered Pink-sorrel) (Suran Oddfog). Outside a cottage in road, Llangatock Lingoed, SO36 20, S.Tyler & E.Wood, 11th Dec 2018.
- +‡103/1.01. **Geranium endressii** (French Crane's-bill) (Pig-yr-aran Ffrainc). Hedgerow, Nash, ST34 83, S.Tyler & E.Wood, 27th Sept 2018; (+) hedgerow, Llandeenny, ST41 86, S.Tyler & E.Wood, 15th May 2018.
- +‡103/1.13. **Geranium ibericum** (Caucasian Crane's-bill) (Pig-yr-aran y Cawcasws). Hedgerow, Sirhowy Valley, SO15 07, S.Tyler & E.Wood, 23rd April 2018.
- +‡103/1.17. **Geranium macrorrhizum** (Rock Crane's-bill) (Pig-yr-aran Wreiddfawr). Escaped from garden, Machen, ST28 89, S.Tyler & E.Wood, 5th April 2018; (+) roadside verge, Ebbw Vale, SO17 06, E. & A.Wood, 15th Feb 2018.
- +103/2.1.‡ **Erodium maritimum** (Sea Stork's-bill) (Pig-y-crëyr Arfor). Cobbles in town square, Usk, SO37 00, E.Wood, S.Tyler, K.Newbert & C.Langdon, 29th Dec 2018.
- +107/30.1. **Sison amomum** (Stone Parsley) (Perllys y Cerrig). Coed-y-cerrig, SO29 21, S.Kerry, 13th July 2018.
- +107/41.2. **Heracleum mantegazzianum** (Giant Hogweed) (Efwr Enfawr). Roadside verge, Llangwm isaf, SO426 006, E. & A.Wood, 6th May 2018.
- +‡115/1.1.© **Phacelia tanacetifolia** (Phacelia) (Ffaselia). Edges of arable field and hedgerow, Tredunnoch, ST36 95, E. & A.Wood, 29th Aug 2018.
- +‡118/01.2. **Stachys byzantina** (Lamb's-ear) (Clust yr Oen). Outside gardens, Blaengavenny, SO31 19, S.Tyler & E.Wood, 21st May 2018.
- +120/1.5. **Callitriche obtusangula** (Blunt-fruited Water-starwort) (Brigwlydd Ffrwythau Blaendwn). Dried up pond, Hygga, SO48 02, S.Tyler, 7th Sept 2018.
- +124/02.4.‡ **Scrophularia scorodonia** (Balm-leaved Figwort) (Gwrnerth Dail Gwenyn). Waste ground by river, Duffryn Park by River Ebbw, ST293 860, S.Tyler & E.Wood, 30th May 2018.
- +‡124/04.3. **Mimulus luteus** (Blood-drop-emlets) (Blodyn-mwnci Gwaedlyd). Shoals in river, Cwm, SO18 04, S.Tyler & E.Wood, 8th Aug 2018.
- +‡124/13.4. **Linaria repens** (Pale Toadflax) (Llin-y-llyffant Gwelw). On railway chippings, MOD Caerwent, ST48 90, S.Tyler & E.Wood, 12th June 2018.
- +124/20.05. **Euphrasia arctica** (Arctic Eyebright) (Effros yr Arctig). Grassland, Manmoel, SO16 02, S.Tyler & E.Wood, 11th Aug 2018.
- +124/20.07. **Euphrasia nemorosa** (Effros). Grassland meadow, Jingle Street, SO41Q, H.Colls, 23rd Sept 2018.
- +‡129/1.10. **Campanula poscharskyana** (Trailing Bellflower) (Clychlys Ymlusgol). Hedgerow and walls, Llangatock Lingoed, SO36 20, S.Tyler & E.Wood, 11th Dec 2018.
- +129/8.ped. **Pratia pedunculata**. Lawn, Abergavenny, SO30 14, Val Leisler, Sep 2018.
- +‡131/6.1. **Lonicera pileata** (Box-leaved Honeysuckle) (Gwyddfid Llorweddol). Naturalised in woodland above festival ponds, Ebbw vale, SO17 06, E. & A.Wood, 15th Feb 2018.
- +‡133/1.2. **Valerianella carinata** (Keeled-fruited Cornsalad) (Gwylaeth-yr-oen Ffrwythau Rhychog). Pavement, Bassaleg, ST27 86, E.Wood, 29th May 2018; (+)

- pavement, Glasllwch, ST29 86, S.Tyler & E.Wood, 30th May 2018; (+) quarry, Blackcliff, ST53 99, E.Wood, 5th Aug 2018.
- +‡135/44.1. ***Conyza canadensis*** (Canadian Fleabane) (Amrhydlywd Canada). Muck heap at entrance to arable field, Cwmcarvan, SO46 06, E. & A.Wood, 18th Aug 2018.
- +‡135/44.2. ***Conyza sumatrensis*** (Guernsey Fleabane) (Amrhydlywd Guernsey). Waste ground, near Abergavenny, SO31 15, S.Tyler & E.Wood, 18th Oct 2018; (+) waste ground by derelict pub, Llangwm-isaf, SO42 00, 26th Jul 2018.
- +‡135/44.bon.© ***Conyza bonariensis*** (Argentine Fleabane) (Amrhydlywd yr Ariannin). Waste ground, Llantrisant, ST39 97, E. & A.Wood, 14th Oct 2018; (+) waste ground, Pontymoel, SO30 01, S.Tyler & E.Wood, 16th July 2018.
- +‡135/74.1.© ***Ambrosia artemisiifolia*** (Ragweed) (Bratlys). Garden, Penallt, SO52 09, S.Tyler, through summer.
- +‡151/1.02. ***Juncus tenuis*** (Slender Rush) (Brwynen Fain). Tracks, Bal Bach, SO26 26, S.Tyler, 1st Nov 2018.
- +152/05.1 ***Scirpus sylvaticus*** (Wood Club-rush) (Clwbfrwynen Bengron). Riverside, Abergavenny, SO289 139, M.Ogden, 18th Sept 2018.
- +152/16.08. ***Carex muricata*** (Hesgen Ysbigog). Roadside verge, Hendre Farm, SO44 12, S.Tyler, 17th June 2018.
- +152/16.34. ***Carex strigosa*** (Thin-spiked Wood-sedge) (Hesgen-y-coed Benfain). Woodland above festival ponds, Ebbw Vale, SO12 06, E. & A.Wood, 15th Feb 2018.
- \*‡153/03.2. ***Sasa veitchii*** (Veitch's Bamboo) (Bambŵ Brith). Deciduous woodland, Lower Glyn Farm, SO47 07, E.Wood, 10th May 2018, well established in the wood near the mill bridge.
- +‡153/28.5.© ***Avena sativa*** (Oat) (Ceirchen). Pavement cracks, Cwm, SO18 04, S.Tyler & E.Wood, 8th Aug 2018.
- +153/46.1.‡ ***Polygogon monspeliensis*** (Annual Beard-grass) (Barfwellt Unflwydd). Waste ground, Magor area, ST43 86, S.Tyler & E.Wood, 27th Jun 2018, also in squares ST4387 and ST4487.
- +‡153/52.5. ***Anisantha madritensis*** (Compact Brome) (Pawrwellt Cryno). Edge of arable field, Near Abergavenny, SO31 15, S.Tyler & E.Wood, 18th Oct 2018; (+) edge of arable field, Wernrheolldy, SO38 11, S.Tyler, 16th Sept 2018, also in sq SO3812.
- +‡153/66.1. ***Cynodon dactylon*** (Bermuda-grass) (Glaswellt Bermwda). Pavement outside farm building, Orchard Farm, ST28 81, E. & A.Wood, 4th Sept 2018.
- +‡153/68.1.© ***Echinochloa crus-galli*** (Cockspur) (Cibogwellt Rhydd). Gardens, Cwmbran, ST28 97, S.Tyler, 25th Sep 2018.
- +‡153/70.1.© ***Setaria viridis*** (Green Bristle-grass) (Cibogwellt Gwyrddlas). Arable field, Nr Draethen, ST22 87, S.Tyler & E.Wood, 7th Aug 2018; (+) quarry, Livox, ST54 97, E. & A.Wood, 6th Jun 2018.
- +‡153/70.pum.© ***Setaria pumila*** (Yellow Bristle-grass) (Cibogwellt Melyn). Arable field, Nr Draethen, ST22 87, S.Tyler & E.Wood, 7th Aug 2018.
- +‡153/71.san.© ***Digitaria sanguinalis*** (Hairy Finger-grass) (Byswellt Blewog). Edge of maize field, Clytha, SO37 09, S.Tyler, E.Wood & H.Colls, 17th Sep 2018.

- +154/1.1.c. **Sparganium erectum subsp. neglectum**. Reen, Nr West Usk Lighthouse, ST30 83, E.Wood, 4th Sept 2018.
- +154/1.1.d. **Sparganium erectum subsp. oocarpum**. By pond, Parsonage Farm, SO35 16, S.Tyler, 14th July 2018.
- +158/14.1×2.‡ **Polygonatum ×hybridum** (Garden Solomon's-seal) (Llyisiau-Solomon yr Ardd). Naturalised in woodland, Llwyncelin, ST35 95, S.Tyler & E.Wood, 18th Apr 2018.
- +‡158/24.09. **Allium paradoxum** (Few-flowered Garlic) (Cenhinen Brinflodeuog). Roadside verge, Chepstow Park Wood, ST49 96, E. & A.Wood, 8th Apr 2018; (+) edge of castle grounds, Grosmont, SO40 24, S.Tyler & E.Wood, 28th Apr 2018; (+) Penallt, SO52 09, S.Tyler & E.Wood, 6th May 2018

GLAMORGAN, v.c.41 (comm. J.P. Woodman & B. Stewart)

- +c1-1-cot **Chara contraria** (Opposite Stonewort). Baglan Bridge, SS738 929, Barry Stewart, 30th Mar 2018, disturbed, seasonally flooded ground.
- ⊕+007/3.1. **Adiantum capillus-veneris** (Maidenhair Fern) (Briger Gwener). Tregwyr. Gowerton, SS586 961, Barry Stewart, 25th Apr 2018, eastern boundary wall.
- ⊕+‡017/2.1. **Cyrtomium falcatum** (House Holly-fern) (Gwrychredynen-y-Celyn y Tŷ). Llisvane, ST19 84, Glamorgan Botany Group, 21st Jul 2018.
- ⊕+017/3.03b. **Dryopteris cambrensis**. Llanbradach Fawr, Caerphilly, ST13 92, Glamorgan Botany Group, det. Brian & Sue Dockerill, 20th May 2018.
- \*031/5.04. **Fumaria reuteri** (Martin's Ramping-fumitory) (Mwg-y-ddaeare Marthin). Morganstown allotments, ST125 818, Faith Williams & T.C.G. Rich, 17th Jan 2018.
- +‡039/4.3. **Quercus ilex** (Evergreen Oak) (Derwen Fythwyrdd). Tregwyr. Gowerton, SS586 961, Barry Stewart, 25th Apr 2018, woodland block south of school (canopy).
- \*040/2.1×2. **Alnus ×hybrida (A. glutinosa × A. incana)**. Cwm tip, Church Village, ST072 861, T.C.G. Rich, 14th May 2018.
- +043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-wydd Coch). Penwaun-uchaf, SN726 106, B. Stewart & S. Musgrave, 8th Aug 2018, track & hardstanding (chippings).
- ⊕+043/6.1. **Salicornia pusilla** (One-flowered Glasswort) (Llyrllys Ununflodeuog). Ogmore Estuary, SS864 759, Dave Rich, 15th Sep 2018.
- +043/6.3. **Salicornia europaea** (Common Glasswort) (Llyrllys Cyffredin). Ogmore Estuary, SS864 759, Dave Rich, 15th Sep 2018.
- +051/1.04. **Hypericum hircinum** (Stinking Tutsan) (Dail-y-Beiblau Drewllyd). Tregwyr. Gowerton, SS586 961, Barry Stewart, 25th Apr 2018, northern boundary walkway alongside school.
- +061/1.2. **Populus tremula** (Aspen) (Aethnen). Enterprise Way, Dolau, tracks and fields to south, SS99 81, David J. Barden, 14th Jun 2018; (+) Coed Garnllwyd Nature Reserve, Llancafán, ST058 713, Rob & Linda Nottage, 26th Jun 2018, saplings in first coppiced Hazel coup.

- ✕+061/2.10×11. **Salix caprea** × **S. cinerea** = **S. ×reichardtii**. Garw forest, SS90 16, Glamorgan Botany Group, 12th Aug 2018.
- +062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llyisiau'r-bystwn Llyfn). Sandy Close, Sandfields, SS744 900, Barry Stewart, 13th Apr 2018, tarmac.
- +066/1.1. **Pyrola minor** (Common Wintergreen) (Glesyn-y-gaeaf Bach). Kenfig marshalling yards, SS792 833, Barry Stewart, 23rd Sep 2018, sidings.
- +069/4.3. **Lysimachia vulgaris** (Yellow Loosestrife) (Trewyn). NW of Cowbridge, SS98 75, Rob & Linda Nottage, 22nd Jun 2018.
- ✕+084/1.04. **Epilobium lanceolatum** (Spear-leaved Willowherb) (Helyglys Gwaywddail). Blaenrhondda, SN9273 0107, J.P. Woodman & Glamorgan Botany Group, 15th Sep 2018.
- +‡084/4.4. **Oenothera cambrica** (Small-flowered Evening-primrose) (Melyn-yr-hwyr Mân-floedeuog). Dyffryn Cellwen, SN850 101, Barry Stewart, 9th Aug 2018, wasteground.
- +089/1.1. **Ilex aquifolium** (Holly) (Celynnen). Worm's Head (Inner), SS394 875, O.J. Leyshon, 13th Jun 2018.
- +‡091/2.15. **Euphorbia cyparissias** (Cypress Spurge) (Llaethlys Cypreswydd). Penllyn, Cowbridge, SS97 76, Rob & Linda Nottage, 22nd Jun 2018.
- ✕+103/1.10. **Geranium columbinum** (Long-stalked Crane's-bill) (Pig-yr-aran Hirgoes). Coity, Bridgend, SS923 815, Glamorgan Botany Group, 15th Apr 2018.
- +‡103/1.14. **Geranium pyrenaicum** (Hedgerow Crane's-bill) (Pig-yr-aran y Gwrych). Coed Cae-fforest, Aberdulais, SN774 001, Barry Stewart, 19th Dec 2018, development footprint (largely grassed over spoil).
- +‡110/9.1. **Datura stramonium** (Thorn-apple) (Afal Dreiniog). Bolgord Road, Pontarddulais, SN599 032, Barry Stewart, 2nd Sep 2018, weed in seeded verge.
- +113/1.1. **Menyanthes trifoliata** (Bogbean) (Ffeuen y Gors). Penwaun-uchaf, SN729 105, B. Stewart & S. Musgrave, 8th Aug 2018, ditch.
- +118/20.1. **Origanum vulgare** (Wild Marjoram) (Penrhudd). Dyffryn Cellwen, SN850 101, Barry Stewart, 9th Aug 2018, wasteground.
- +118/23.1. **Mentha arvensis** (Corn Mint) (Mintys yr Âr). Land adjoining Maerdy playing fields Gwaun-Cae-Gurwen, SN7085 1190, NPT CBC Biodiversity Unit, 1st Jan 2018.
- +118/23.2×3.‡ **Mentha ×piperita** (Peppermint) (Mintys Poeth). Former Penclawdd Sewage Works & surrounds, SS547 959, Barry Stewart, 30th Dec 2018.
- +‡118/23.3×4. **Mentha ×villosa** (Apple-mint) (Mintys Lletgrwn). Graig Penllyn, N rd, SS9776 7771, David J. Barden, 1st Sep 2018, large patch, roadside verge.
- ✕+‡118/23.3×lon.© **Mentha ×villosonervata** (Sharp-toothed Mint) (Mintys Danheddog). Garw forest, SS897 903, David Barden & Glamorgan Botany Group, 12th Aug 2018.
- +119/1.1. **Hippuris vulgaris** (Mare's-tail) (Rhawn y Gaseg). Penllyn Fishing Lakes, SS986 770, Rob & Linda Nottage, 28th Jun 2018, in lake.
- +124/14.1. **Digitalis purpurea** (Foxglove) (Byssedd y Cŵn). Worm's Head (Inner), SS394 875, O.J. Leyshon, 13th Jun 2018.
- +130/6.03. **Galium uliginosum** (Fen Bedstraw) (Briwydd y Fign). Seven Sisters (land east of rugby club), SN815 082, B. Stewart & C.R. Hipkin, 9th Aug 2018.

- +135/01.1.sl. **Arctium lappa**. Disgwylfa, Penrhiwfer Track, SS9990 8974, David J. Barden, 17th Sep 2018.
- +135/26.5. **Crepis vesicaria** (Beaked Hawk's-beard) (Gwalchlys Gylfinog). Glyncornel, Tonypany, car park and waste ground, SS99 94, David J. Barden, 26th May 2018.
- ☉+‡135/27.4.a. **Pilosella praealta subsp. praealta**. Blaenrhondda, SN9262 0157, T.C.G. Rich, 15th Sep 2018.
- +‡135/62.03. **Senecio inaequidens** (Narrow-leaved Ragwort) (Creulys Gulddail). Margam Moors (sidings), SS791 837, Barry Stewart, 23rd Sep 2018, 4 plants noted.
- ☉+148/1.1. **Spirodela polyrhiza** (Greater Duckweed) (Llinad Mawr). Lisvane, ST194 844, Glamorgan Botany Group, 21st Jul 2018.
- ☉+152/16.09.a. **Carex divulsa subsp. divulsa** (Grey Sedge). Coity, Bridgend, SS923 814, Glamorgan Botany Group, 15th Apr 2018.
- +152/16.41. **Carex distans** (Distant Sedge) (Hesgen Blodau Pell). Worm's Head (Inner), SS394 875, O.J. Leyshon, 13th Jun 2018.
- +153/11.1. **Milium effusum** (Wood Millet) (Miledwellt y Coed). Sychryd (Pwll y Berw), SN914 079, Barry Stewart, 20th Mar 2018, base of limestone cliff.
- +153/47.1. **Alopecurus pratensis** (Meadow Foxtail) (Cynffonwellt y Maes). Glyncornel, Tonypany, meadows and woodland, SS99 94, David J. Barden, 26th May 2018.
- ☉+153/51.1. **Bromopsis ramosa** (Hairy-brome) (Pawrwellt Blewog). Coity, Bridgend, SS92 81, Glamorgan Botany Group, 15th Apr 2018.
- +‡153/68.1.© **Echinochloa crus-galli** (Cockspur) (Cibogwellt Rhydd). Bolgoed Road, Pontarddulais, SN599 032, Barry Stewart, 2nd Sep 2018, in seeded verge; (+) Cwmdulais Cottages, SN616 035, Barry Stewart, 2nd Sep 2018, bird seed alien.
- +‡153/70.1.© **Setaria viridis** (Green Bristle-grass) (Cibogwellt Gwyrddlas). Cwmdulais Cottages, SN616 035, Barry Stewart, 2nd Sep 2018, bird seed alien.
- +‡153/71.san.© **Digitaria sanguinalis** (Hairy Finger-grass) (Byswellt Blewog). Cwmdulais Cottages, SN616 035, Barry Stewart, 2nd Sep 2018, bird seed alien.
- +154/1.2. **Sparganium emersum** (Unbranched Bur-reed) (Cleddlys Di-gainc). Penllyn Fishing Lakes, SS986 770, Rob & Linda Nottage, 28th Jun 2018, in lake.
- +162/18.3. **Dactylorhiza incarnata** (Early Marsh-orchid) (Tegeirian-y-gors Cynnar). Aberpergwm 'new Bog 2' (central), SN847 075, Barry Stewart, 5th Jul 2018, dry margin around bog

BRECON, v.c.42 (comm. M. Porter & J. Crellin)

- \*†028/06.1.a×var. **Aconitum napellus** × **A. variegatum L.** (**A. × stoerkianum**). Ford on Irfon near Glan-Camddwr, SN92 46, John Crellin, 5th Jul 2018.
- +028/13.22. **Ranunculus trichophyllus** (Thread-leaved Water-crowfoot) (Crafanc-y-frân Feinddail). Ford near Twyn y Ffynnon, SN890 320, John Crellin, 3rd Aug 2018, collected from a large patch that is presumably normally submerged at the ford.
- \*‡029/1.9. **Berberis darwinii** (Darwin's Barberry) (Pren Melyn Darwin). Llyngeren, SO05 12, John Crellin, 29th Dec 2018.

- +046/01.1. **Arenaria serpyllifolia** (Thyme-leaved Sandwort) (Tywodlys Dail Teim). Pont Llwyn-on, SN96 38, Ray Woods & John Crellin, 21st May 2018.
- \*046/07.12. **Cerastium semidecandrum** (Little Mouse-ear) (Clust-y-llygoden Fach). Hay Market car park, SO226 422, Ray Woods, 16th May 2018, on a dry slope approx 4sq m.
- +046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Rhyd Uchaf road junction, SN924 184, John Crellin, 6th Aug 2018.
- +‡047/4.3. **Polygonum arenastrum** (Equal-leaved Knotgrass) (Y Canclwm Manddail). Glyntawe, SN84 16, Steph Coates, 23rd Aug 2018.
- +047/8.13×19. **Rumex crispus** × **R. obtusifolius** = **R. xpratensis**. Pont-ar-Hydfer, SN86 27, Mike & Christine Porter, 2nd Aug 2018, road verge.
- +051/1.06×07. **Hypericum** × **desetangii** (**H. perforatum** × **H. maculatum**) (Des Etangs' St John's-wort) (Eurinllys Des Etangs). Maesderwen, SO06 25, Mike & Christine Porter, 27th Jun 2018, lane S of Cefn Cantref.
- +060/1/1 **Bryonia dioica** (White Bryony) (Bloneg y Ddaear). Llanfeugan Church, SO08 24, John Crellin, 10th Oct 2018.
- \*‡061/2.09×10×11 **Salix** × **calodendron** (**S. viminalis** × **S. caprea** × **S. cinerea**) (Holme Willow) (Helygen Holme). Rassau North East, SO15 12, Tim Rich, 15th Jun 2018, industrial estate.
- +061/2.10×11. **Salix caprea** × **S. cinerea** = **S. xreichardtii**. Pont-ar-Hydfer, SN86 27, Mike & Christine Porter, 2nd Aug 2018, shaded track.
- +061/2.16. **Salix repens** (Creeping Willow) (Corhelygen). High meadow Berthlwyd Fawr, SO094 206, John Crellin, 5th Sep 2018, high meadow below Twyn Du. Frequent in an approx 100m sq area.
- +065/13.1. **Vaccinium oxycoccos** (Cranberry) (Llygaeren). West of Gorse-Fach Farm, SN88 38, John Crellin, Ray Woods & Graham Motley, 3rd Jul 2018, headwaters of the Cilieni river.
- +‡073/5.4×5. **Sedum** ‘Herbstfreude’ (**S. spectabile** × **S. telephium**) ‘Autumn Joy’ (Autumn Stonecrop). Melin Llech, SN83 12, John Crellin, 15th Aug 2018.
- +075/08.10.254. **Rubus rufescens**. Cantref bridge, SO05 25, Mike & Christine Porter, 19th Jun 2018, lane past Cantref Church.
- +‡075/19.15. **Alchemilla mollis** (Garden Lady's-mantle) (Mantell-Fair y Gerddi). Pentrebach, SN82 33, John Crellin, 17th May 2018, near Halfway.
- +075/20.2. **Aphanes australis** (Slender Parsley-piert) (Troed-y-dryw Main). Common above Blaen Glyn, SN98 22, John Crellin, 9th May 2018.
- +‡075/22.14. **Prunus laurocerasus** (Cherry Laurel) (Coeden Lawrgeirios). Pontsticill, SO05 11, John Crellin, 29th Dec 2018.
- \*‡075/32.15. **Cotoneaster congestus** (Congested Cotoneaster) (Cotoneaster Trwchus). Rassau North East, SO15 12, Tim Rich, 15th Jun 2018, industrial Estate.
- \*077/18.5 **Medicago arabica** (Spotted Medick) (Maglys Brith). Brecon Theatre Car Park, SO045 281, Ray Woods, 17th May 2018.
- +079/2.4. **Myriophyllum alterniflorum** (Alternate Water-milfoil) (Myrdd-dail Blodau Bob yn Ail). Rhyd Uchaf ford, SN92 18, John Crellin, 6th Aug 2018, in Afon Llia.
- +084/1.03×08. **Epilobium montanum** × **E. ciliatum** = **E. xinterjectum**. Pont-ar-Hydfer, SN86 27, Mike & Christine Porter, 2nd Aug 2018, road verge.

- +103/1.18. **Geranium lucidum** (Shining Crane's-bill) (Pig-yr-aran Loywddail). Llanwyrtyd Wells West, SN87 46, John Crellin, 31st Jan 2018.
- +‡106/1.hib. **Hedera hibernica**. Glan Camddwr, SN92 47, John Crellin, 5th Jul 2018, lane with two fords from Cefn Glancamddwr south; (+) Abernefal, SN94 58, John Crellin, 12th Jul 2018.
- +†107/21.1. **Foeniculum vulgare** (Fennel) (Ffenigl). Melin Llech, SN83 12, John Crellin, 15th Aug 2018.
- +‡116/08.1. **Pentaglottis sempervirens** (Green Alkanet) (Llysiau'r-gwrid Gwyrdd). Glan Camddwr, SN92 47, John Crellin, 5th Jul 2018, lane with two fords from Cefn Glancamddwr south.
- +‡118/23.3×4. **Mentha spicata** × **M. suaveolens** = **M. ×villosa** (Apple-mint) (Mintys Lletgrwn). Garnwen, SN92 21, John Crellin, 16th Jul 2018, verge near Tyleglas.
- +120/1.6. **Callitriche brutia**. Waun Llech, SO16 17, Mike & Christine Porter, 19th Jul 2018, carreg Waun Llech, Mynydd Llangynidr; (+) Llangattock Mountain north of reservoir, SO17 13, John Crellin, 9th Jul 2018, ponds near spoil tips.
- +‡122/1.2. **Buddleja davidii** (Butterfly-bush) (Y Gynffon Las). Pont-ar-Hydfder, SN86 27, Mike & Christine Porter, 2nd Aug 2018, shaded track.
- +‡124/16.23. **Veronica filiformis** (Slender Speedwell) (Rhwyddlwyn Main). Pont Llwyn-on, SN96 38, Ray Woods & John Crellin, 21st May 2018.
- +124/20.05. **Euphrasia arctica** (Arctic Eyebright) (Effros yr Arctig). West of Gorse-fach Farm, SN88 38, John Crellin, 3rd Jul 2018, headwaters of the Cilieni river.
- +†135/12.1. **Cichorium intybus** (Chicory) (Ysgello). A483 Near Llanwyrtyd Wells, SN894 487, John Crellin, 5th Jul 2018.
- \*135/25.01.24. **Taraxacum scoticum** (Scottish Dandelion). Cwm Cwy, SO09 21, Tim Rich, 25th Apr 2018.
- \*‡135/25.09.134. **Taraxacum exsertiforme** (Erect-bracted Dandelion). Cwm Cwy, SO09 21, Tim Rich, 25th Apr 2018.
- \*‡135/25.09.140 **Taraxacum horridifrons** (Prickly-leaved Dandelion). Cwm Cwy, SO09 21, Tim Rich, 25th Apr 2018.
- +135/30.1. **Filago vulgaris** (Common Cudweed) (Edafeddog Lwyd). Lan Fach, SN97 57, Ray Woods, 2018.
- +135/37.1. **Pulicaria dysenterica** (Common Fleabane) (Cedowydd). Wet meadows near Pont Llwyn-on, SN961 386, Ray Woods & John Crellin, 21st May 2018, one patch seen.
- +‡135/43.4. **Erigeron karvinskianus** (Mexican Fleabane) (Amrhydlwyd y Cerrig). Pontsticill, SO05 11, John Crellin, 29th Dec 2018.
- +‡147/5.2.b. **Arum italicum subsp. italicum**. Llanwyrtyd Wells West, SN87 46, John Crellin, 31st Jan 2018.
- +148/1.1. **Spirodela polyrhiza** (Greater Duckweed) (Llinad Mawr). Carno, SN98 23, John Crellin, 9th May 2018, Carno Wood.
- +151/1.13×14. **Juncus articulatus** × **J. acutiflorus** = **J. ×surrejanus**. Pont-ar-Hydfder, SN86 27, Mike & Christine Porter, 2nd Aug 2018, rough grassland with flushes.
- +152/16.31 **Carex pendula** (Pendulous Sedge) (Hesgen Bendrom). Pont-ar-Hydfder, SN86 27, Mike & Christine Porter, 2nd Aug 2018, shaded track, introduced with rubble.

- \*‡153/46.2. **Polygogon viridis** (Water Bent) (Barfwellt y Dŵr). Crickhowell, SO21 18, John Crellin, 4th Jan 2018.
- +‡153/68.1. **Echinochloa crus-galli** (Cockspur) (Cibogwellt Rhydd). Talgarth, SO156 337, Andy Shaw, 25th Sep 2018, pavement weed.
- +158/20.2×3.‡ **Hyacinthoides ×massartiana (H. hispanica × H. non-scripta)** (Clychau'r-gog Croesryw). Cwm Rhiwlas, SN83 32, Mike & Christine Porter & John Crellin, 17th May 2018, a40 edge near Halfway; (+) Cnuwch, SN80 51, John Crellin, 23rd May 2018

RADNOR, v.c.43 (comm. E.R.Dean & S.M.Spencer)

- ⊕+062/23.5. **Cochlearia danica** (Danish Scurvygrass) (Llwylys Denmarc). Glasbury, SO17 39, Ray Woods, 24th May 2018, river Wyer gravels.
- \*‡117/1.bon. **Verbena bonariensis** (Argentinian Vervain) (Ferfain yr Ariannin). Whitton, SO27 67, Liz Dean, 26th Sep 2018, between road and pavement, assume garden escape.
- \*‡129/1.3. **Campanula lactiflora** (Milky Bellflower) (Clychlys Gwelw). Broad Heath, SO33 63, Sue Spencer, 4th Aug 2018, roadside, assume escaped.
- \*‡135/43.4. **Erigeron karvinskianus** (Mexican Fleabane) (Amrhydlwyd y Cerrig). Discoed, SO27 64, Sue Spencer, 29th Sep 2018, churchyard gateway, assumed garden escape.
- \*152/10.1. **Blysmus compressus** (Flat-sedge) (Corsfrwynen Arw). Upland, edge of seasonal pond, Yr Allt, SO17 44, Hannah Shaw, 6th Sep 2017, small quantity, two flowering, sheep grazing.

CARMARTHEN, v.c.44 (comm. R.D. Pryce)

- +004/1.9. **Equisetum telmateia** (Great Horsetail) (Marchrawnen Fawr). Bryn Sion Chapel, Pont Treseli, SN2544- 3999-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, rank, uncut but quite spp.-rich chapelyard. Also in chapelyard at SN 2542- 3998- and on roadside at Pont Treseli SN 2523- 3999-,
- +‡020/5.1. **Larix decidua** (European Larch) (Llarwydden Ewrop). Gobedig Farm, Pont Treseli, SN2564- 3891-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, two mature trees in hedgerow (an early planting), one broken half way up.
- +028/13.18. **Ranunculus hederaceus** (Ivy-leaved Crowfoot) (Crafanc-y-frân Dail Eiddew). Gobedig Farm, Pont Treseli, SN2526- 3932-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, vegetated, poached and eutrophic, ephemeral flood-plain pond.
- +028/13.25.b. **Ranunculus penicillatus subsp. pseudofluitans**. Gobedig Farm, Pont Treseli, SN2526- 3907-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, near cattle drink in Afon Cych.

- +033/1.1×3.‡ **Ulmus ×vegeta** (Huntingdon Elm) (Llwyfen Huntingdon). Dolhaidd Isaf, Pentrecagal, SN3431- 4053-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, growing in boundary hedgerows. Also at SN 3466- 4078- and SN 3432- 4051-.
- +040/1.1. **Betula pendula** (Silver Birch) (Bedwen Arian). West Street, Whitland, SN1967- 1673-, Richard D. Pryce, 23rd Apr 2018, road verge, north side of road.
- +043/1.15 **Chenopodium album** (Fat-hen) (Troed-yr-ŵydd Gwyn). Gobedig Farm, Pont Treseli, SN2570- 3903-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, track, grassy banks and hedges.
- +‡045/2.2. **Claytonia sibirica** (Pink Purslane) (Porpin Pinc). Dolhaidd Isaf, Pentrecagal, SN3467- 4088-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, one plant at end of river shoal.
- +046/10.7. **Sagina apetala** (Annual Pearlwort) (Corwlyddyn Unflwydd). Ysgol Dyffryn Taf, Whitland, SN19783 16908, Richard D. Pryce, 30th May 2018, in limestone cobbles forming foundations of removed demountable building south of main school building.
- +046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Marros, SN2073- 0895-, BSBI Rubus Meeting, 24th Jul 2018, locally frequent on gravel surfaced church car park.
- +‡047/4.3. **Polygonum arenastrum** (Equal-leaved Knotgrass) (Y Canclwm Manddail). Ann Street, Llanelli, SS5088- 9993- R.D.Pryce & K.A.Pryce, 31st Dec 2018, New Year Plant Hunt - in area recently reseeded and left to become weedy after completion of 'Rainscape' work; (+) Pont Treseli, SN2509- 4003-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, roadside in vicinity of horsebox dealers.
- +047/4.cha. **Polygonum chamaechyton** (A Knotgrass). Gobedig Farm, Pont Treseli, SN2570- 3903-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, gravelly track edge; (+) Newcastle Emlyn Castle, SN3104- 4072-, R.D.Pryce & K.A.Pryce, 19th Aug 2018, gravel area around east side of entrance gate.
- +047.4.pol. **Polygonum polycnemiforme** (Bushy Knotgrass). Gobedig Farm, Pont Treseli, SN2570- 3903-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, gravelly track edge; (+) Pont Treseli, SN2516- 4000-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, horsebox dealers premises; (+) Newcastle Emlyn Castle, SN3104- 4072-, R.D.Pryce & K.A.Pryce, 19th Aug 2018, gravel area around entrance gate.
- +047/8.15.san. **Rumex sanguineus var. sanguineus** (Blood-veined Dock). Pont Treseli, SN2537- 4002-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, roadside west of chapel.
- +061/2.10×11. **Salix ×reichardtii**. Ysgol Dyffryn Taf, Whitland, SN19632 16812, Richard D. Pryce, 30th May 2018, small area of woodland.
- +062/12.3. **Rorippa islandica** (Northern Yellow-cress) (Berwr Melyn Gogleddol). Pendine, SN2291- 0865-, BSBI Rubus Meeting, det. R.D.Pryce, 24th Jul 2018, north-east end of footpath to Green Bridge Valley, Pendine; (+) Cwmfelin Mynach, SN22814 24706, Martyn Stead, Arthur Copping & Mary Smith, 27th Jul 2018, bare area east of bridge.
- +‡062/31.2. **Lepidium didymum** (Lesser Swine-cress) (Olbrain Bach). Ysgol Dyffryn Taf, Whitland, SN19783 16908, Richard D. Pryce, 30th May 2018, in limestone

- cobbles forming foundations of removed demountable building south of main school building.
- +‡062/38.1. **Hirschfeldia incana** (Hoary Mustard) (Mwstard Llwyd). Cwmfelin Mynach tetrad, SN22h, Martyn Stead, Arthur Copping & Mary Smith, 27th Jul 2018, roadsides.
- +‡062/8.1. **Hesperis matronalis** (Dame's-violet) (Croes yr Hwyr). Dolhaidd Isaf, Pentrecagal, SN3461- 4085-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, on shingle shoal in river.
- +069/1.3. **Primula veris** (Cowslip) (Briallen Fair). Vacant land south of Ysgol Dyffryn Taf campus, Whitland, SN19636 16793, Richard D. Pryce, 23rd Apr 2018, about 6 plants in rather wet, unmanaged, scrubby land, c.5m from north chainlink boundary fence. Another plant in disturbed ground on eastern boundary at SN 19657 16766.
- +069/4.2. **Lysimachia nummularia** (Creeping-Jenny) (Siani Luszg). Dolhaidd Isaf, Pentrecagal, SN3437- 4060-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, shady bank at edge of flood plain.
- \*069/4.7. **Lysimachia thyrsoflora** (Tufted Loosestrife) (Trewyn Swp-flodeuog). WWT Penclacwydd TN1804, SS5343- 9869-, R.D. & K.A.Pryce & B. Briggs, det. B. Briggs, 14th Jun 2018, several plants along west edge of path in rank grassland.
- +069/6.1. **Anagallis tenella** (Bog Pimpernel) (Gwlyddyn-Mair y Gors). Pembrey Country Park, SS4092- 9999-, R.D. & K.A.Pryce, C.Cheesman & H.Bradley, 10th Jun 2018, accessible south-western edge of Ski-slope Pond.
- +‡074/07.1. **Tolmiea menziesii** (Pick-a-back-plant) (Crydlys). Dolhaidd Isaf, Pentrecagal, SN3457- 4077-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, locally abundant on grassy bank.
- +‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Dolhaidd Isaf, Pentrecagal, SN3446- 4066-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, river bank. Also at SN 3450- 4072-.
- +075/08.02.034. **Rubus albionis**. Hermon, SN3632- 3063-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, edge of pull-in on west side of road.
- +075/08.02.068. **Rubus perdigitatus**. Blaen Dewi-fawr, SN3002- 3008-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, hedge on south side of entrance drive. Also at SN 3005- 3007-; (+) Maudland Picnic Site, SN3305- 3492-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, bramble patches and heathland around picnic site. Also at SN 3307- 3490- and in Hermon at SN 3632- 3063-.
- +075/08.02.076. **Rubus pyramidalis**. Garn Ganol, Crwbin, SN4696- 1265-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, bramble thicket on NW edge of Cae'r Battri.
- +075/08.02.082. **Rubus silurum**. Blaen Dewi-fawr, SN3002- 3008-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, hedge along entrance drive to Blaen Dewi-fawr. Also at Maudland picnic site at SN 3307- 3490- and Cwmpenraig at SN 3468- 3653- and SN 3459- 3650-.
- +075/08.03.089. **Rubus altiarcuatus**. Blaen Dewi-fawr, SN2995- 3014-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, roadside hedges along entrance drive; (+) Cliff woodland footpath: Dylan's Birthday Walk, Laugharne.

- Also at, SN3051- 0993-SN 3056- 0996-; (+) Haulwen, nr.Trelech, SN32603 28128, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, east edge of field; (+) Blaen Dewi-fawr, SN3002- 3008-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, hedge on south side of entrance drive.
- +075/08.03.090. **Rubus amplificatus**. Marros, SN2074- 0899-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, boundary hedge at south end of drive to caravan site; (+) Pendine, SN2289- 0864-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, near NE end of footpath from Pendine to Green Bridge Valley, Pendine; (+) Laugharne, SN2982- 1081-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, The Laques, west of Woodland Cottage. Also at SN 2997- 1075-; (+) Laugharne, SN3051- 0993-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, cliff woodland footpath: Dylan's Birthday Walk. Also at SN 3054- 0995- and SN 3056- 0996-.
- +075/08.03.093. **Rubus cardiophyllus**. Morfa Berwig LNR entrance, Bynea, SS5423- 9878-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, locally frequent on sides of track inside LNR.
- +075/08.03.101. **Rubus dumnoniensis**. Maudland picnic site, SN3310- 3488-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, unmanaged heathland east of picnic site.
- +075/08.03.117. **Rubus polyanthemus**. Morfa Berwig LNR entrance, Bynea, SS5423- 9878-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, SE side of track inside LNR; (+) Blaen Dewi-fawr, SN2995- 3014-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, roadside hedge along entrance drive; (+) Blaen Dewi-fawr farm, SN3005- 3007-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, hedge.
- +075/08.03.118. **Rubus prolongatus**. Nr. Penlan, SN0919- 1925-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, roadside hedge; (+) Blaen Dewi-fawr, SN3000- 3010-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, trackside hedge along entrance drive; (+) Maudland picnic site, SN3303- 3489-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, bramble patches and heathland around picnic site. Also in Hermon at SN 3632- 3063-.
- +075/08.03.122. **Rubus rubritinctus**. Old Castle Works site, Llanelli, SS4994- 9998-, Richard D. Pryce, 24th Sep 2018, vacant site becoming colonised by scrub, also at SS 4993- 9993-; (+) Bynea, Morfa Berwig LNR entrance, SS5419- 9876-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, north side of roundabout. Also in LNR at SS 5423- 9879- and by old Thyssens building at SS 5522- 9871-; (+) Nr. Penlan, SN0919- 1925-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, roadside hedge; (+) Laugharne, SN3056- 0996-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, cliff woodland footpath.
- +075/08.05.140. **Rubus rossensis**. Marros, SN2073- 0895-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, boundary hedge of church car park; (+) Water Street, Laugharne, SN2989- 1080-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, valley woodland edge; (+) Garn Ganol, Crwbin, SN46792 12495,

- BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, SW corner of Llain Sur but frequent in the vicinity.
- +075/08.05.142. **Rubus ulmifolius**. Gobedig Farm, Pont Treseli, SN2562- 3907-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, hedgerows along green lane. Also in hedge at SE corner of field at SN 2565- 3874-.
- +075/08.06.146. **Rubus bartonii**. Maudland Picnic Site, SN3304- 3494-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, bramble patches around picnic site. Also on heathy road verges through felled forestry plantation at SN 3331- 3438-.
- +075/08.06.154. **Rubus lanaticaulis**. 160m WNW of Maesderi, Talog, SN3479- 2513-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, roadside hedge; (+) Cynheidre Colliery bridge, TN1802, SN49377 07177, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, brambly roadside embankment, north side of road. Also at SN 49357 07161 and SN 49374 07192.
- +075/08.08.176. **Rubus aequalidens**. Nr. Penlan, SN0919- 1925-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, roadside hedge; (+) Water Street, Laugharne, SN2989- 1080-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, valley woodland edge. Also at SN 2997- 1075-.
- +075/08.08.194. **Rubus micans**. Bynea, SS5524- 9875-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, NW side of road, by old Thyssens building; (+) Laugharne, SN3054- 0999-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, cliff woodland footpath by interpretative board: Dylan's Birthday Walk; (+) Laugharne, SN30273 10415, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, cliff woodland footpath: Dylan's Birthday Walk: new western limit of species. Also at SN 3035- 1037- and SN 3052- 1005-.
- \*075/08.08.gly **Rubus 'Glynhir curvidens'**. Minor road, Ammanford, 22/62---13---, BSBI Rubus Meeting, det. R.D.Randall, 23rd Jul 2018.
- \*075/08.08.gym. **Rubus gymnostachys**. Glynhir, 22/6387615048, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 26th Jul 2018, east side of track.
- +075/08.09.207. **Rubus biloensis**. School Road, Pwll, Llanelli, SN47728 01203, Richard D. Pryce, det. R.D.Randall, 23rd Jul 2018, on old wood pile.
- +075/08.09.218. **Rubus leyanus**. Blaen Dewi-fawr, SN3002- 3008-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, hedge on south side of entrance drive; (+) Maudland picnic site, SN3304- 3494-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, bramble patches around picnic site; (+) Cwmpencraig, SN3468- 3653-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, tracksides through wooded valley in vicinity of Esgair Mill. Also at SN 3459- 3650- and at Hermon at SN 3632- 3063-.
- \*075/08.10.224. **Rubus bloxamii**. Troserch Wood, Llangennech, 22/5458804240, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, by barrier at entrance to wood.
- \*075/08.10.225. **Rubus botryeros**. Troserch Wood, Llangennech, 22/5461304237, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 30th Jul 2018, track into wood.
- +075/08.10.234. **Rubus flexuosus**. Login, SN1654- 2331-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, roadside hedge on south side of road.

- +075/08.10.245. **Rubus pallidus**. Login, SN1659- 2360-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, woodland edge on east side of track. First post 2000 record.
- \*075/08.10.249. **Rubus radula**. Sugar Loaf, 22/8376542652, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 29th Jul 2018, forest access track, north side, **HbRDR**
- +075/08.11.268. **Rubus dasyphyllus**. Maudland Picnic Site TN1802, SN3303- 3489-, BSBI Rubus Meeting, det. R.D.Randall, 25th Jul 2018, bramble patches and heathland around picnic site. Also at Blaen Dewi-fawr SN 3002- 3008-, Cwmpencraig SN 3459- 3650- and Hermon SN 3632- 3063-.
- \*075/08.12.298. **Rubus obscuriflorus**. Abergorlech, 22/585--341--, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 28th Jul 2018, forestry track by Nant Llywelaubach, **HbRDR**
- \*075/08.13.314. **Rubus pictorum**. Cwarglas Quarry Pontarllechau, 22/7267624778, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 26th Jul 2018, roadside to north of quarry.
- +075/08.13.319. **Rubus tuberculatus**. Blaen Dewi-fawr, SN2997- 3012-, BSBI Rubus Meeting, det. D.P.Earl & R.D.Randall, 27th Jul 2018, hedge along drive to Blaen Dewi-fawr.
- +075/09.14×15. **Potentilla ×mixta** (Hybrid Cinquefoil) (Pumnalen Groesryw). Gobedig Farm, Pont Treseli, SN2541- 3888-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, species-rich neutral grassland bank at base of slope adjacent to riverside woodland strip.
- +075/15.1. **Agrimonia eupatoria** (Agrimony) (Llysiau'r Dryw). Gobedig Farm, Pont Treseli, SN2570- 3903-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, grassy bank.
- +‡075/32.34. **Cotoneaster bullatus** (Hollyberry Cotoneaster) (Cotoneaster Deilgrych). Cwmpencraig, SN3459- 3650-, BSBI Rubus Meeting, det. A.O.Chater, 25th Jul 2018, self-sown by path through wooded valley.
- +077/19.15. **Trifolium medium** (Zigzag Clover) (Meillionen Igam-ogam). Bryn Sion Chapel, Pont Treseli, SN2540- 4000-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, rank, uncut, quite spp.-rich graveyard.
- +‡077/22.2.© **Laburnum alpinum** (Scottish Laburnum) (Tresi Aur Alpaidd). Cwmfelin Mynach, SN22970 24876, Martyn Stead, Arthur Copping & Mary Smith, 27th Jul 2018, planted at picnic area.
- +077/26.2. **Ulex gallii** (Western Gorse) (Eithinen Fân). Pont Bargod, W of Henllan, SN3489- 4022-, R.D.Pryce & K.A.Pryce, 28th Apr 2018, hedgerow on north side of road.
- +084/1.07. **Epilobium roseum** (Pale Willowherb) (Helyglys Gwelw). North Road Cemetery, Whitland, SN1961- 1784-, BSBI Rubus Meeting, det. R.D.Pryce, 24th Jul 2018, one plant at foot of grave in north-eastern part of cemetery.
- +087/1.1. **Viscum album** (Mistletoe) (Uchelwydd). Dolhaidd Isaf, Pentrecagal, SN3439- 4062-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, four large plants, one very nearly dead, well established on apple trees on river flood plain.

- +‡102/1.03. **Oxalis corniculata** (Procumbent Yellow-sorrel) (Suran Orweddol). Pont Treseli, SN2516- 4000-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, locally abundant in house forecourt.
- +103/1.18. **Geranium lucidum** (Shining Crane's-bill) (Pig-yr-aran Loywddail). Pont Treseli, SN2516- 4000-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, roadsides in vicinity of horsebox dealers.
- +‡103/1.23. **Geranium phaeum** (Dusky Crane's-bill) (Gweddw Alarus). Seaside, Llanelli, SS5040- 9907-, Llanelli Naturalists urban weed meeting, det. Ian. K. Morgan, 2nd Sep 2018, tall herb vegetation at edge of playing field.
- +107/37.1. **Angelica sylvestris** (Wild Angelica) (Llysiau'r Angel). Demolished Old Castle Works site, Llanelli, SS4991- 9993-, Richard D. Pryce, 24th Sep 2018, north-east edge of reedbed.
- +108/3.2. **Centaureum erythraea** (Common Centaury) (Y Ganrhi Goch). Gobedig Farm, Pont Treseli, SN2551- 3878-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, two plants in steeply sloping, species-rich neutral grassland field.
- +‡110/9.1. **Datura stramonium** (Thorn-apple) (Afal Dreiniog). Gelli-gattrog, SN464 117, Andrew Stevens, 15th Oct 2018, three plants in reseeded Maize field.
- +‡111/3.4.dis. **Calystegia silvatica subsp. disjuncta**. North Road Cemetery, Whitland, SN1961- 1784-, BSBI Rubus Meeting, det. G.M. Kay, 24th Jul 2018, on graves.
- +‡116/10.1. **Trachystemon orientalis** (Abraham-Isaac-Jacob) ("Abraham, Isaac a Jacob"). Water Street, Laugharne, SN2989- 1080-, BSBI Rubus Meeting, det. R.D.Pryce, 27th Jul 2018, edge of valley woodland edge.
- +116/15.01. **Myosotis scorpioides** (Water Forget-me-not) (Sgorpionllys y Gors). Dolhaidd Isaf, Pentrecagal, SN3429- 4057-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, riverbank.
- +116/CER.maj. **Cerinth major** (Greater Honeywort). Llanelli, St Margaret's Drive, SN497 013, Ian K. Morgan, 26th Dec 2018, one seedling of C. major var. 'Purpurascens' in angle between garden wall and pavement. Flowering plant in nearby garden.
- +118/06.5. **Galeopsis bifida** (Bifid Hemp-nettle) (Y Benboeth Hollt). Carn-wen, SN1659- 2879-, BSBI Rubus Meeting, 24th Jul 2018, scrub edge on north side of lane.
- +‡118/23.3. **Mentha spicata** (Spear Mint) (Mintys Ysbigog). Ysgol Dyffryn Taf, Whitland, SN19682 16828, Richard D. Pryce, 30th May 2018, naturalized on damp, unmanaged tall herb area.
- +120/1.7. **Callitriche brutia var. hamulata** (Intermediate Water-starwort) (Brigwlydd Canolig). Dolhaidd Isaf, Pentrecagal, SN3426- 4055-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, river Teifi, in both vc44 and vc46. Also at SN 3437- 4060-.
- +124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Allt Gilwen, Pentrecagal, SN32980 40908, R.D.Pryce & K.A.Pryce, 28th Apr 2018, woodland edge.
- +124/13.1×4. **Linaria xsepium**. Blaen Dewi-fawr, SN2997- 3012-, BSBI Rubus Meeting, det. R.D.Pryce, 27th Jul 2018, trackside hedgebank.

- +135/25.01.11. **Taraxacum fulviforme** (Green-bracted Dandelion). Pendine Ranges, SN26019 07877, Richard D. Pryce, det. A.J. Richards, Nov.2018, 12th Apr 2018, lawn south of Range Headquarters, **NMW**
- \*135/25.05.46. **Taraxacum subnaevosum** (Pale-bracted Dandelion). Graig Farm, Halfway, Llandovery, SN82408 32262, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 18th May 2018, semi-improved neutral grassland hayfield, **NMW**
- +135/25.07.55. **Taraxacum bracteatum** (Dark-green Dandelion). Allt Gilwen, Pentrecagal, SN32984 40906, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 28th Apr 2018, roadside verge, **NMW**
- +135/25.07.58 **Taraxacum cambricum** (Welsh Dandelion). Pont Cwm-ddwynant, Llangynog, SN3488- 1444-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 29th Apr 2018, roadside verge, **NMW**
- +135/25.07.59 **Taraxacum celticum** (Celtic Dandelion). Fronafon, Login, SN18407 23916, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, semi-improved neutral grassland field, **NMW**
- +135/25.07.61. **Taraxacum excellens** (Purple-blotched Dandelion). Y Ddol, Llanboidy, SN22589 23376, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 23rd Apr 2018, semi-improved neutral grassland field, **NMW**
- +135/25.07.72. **Taraxacum nordstedtii 'frugale'**. Fronafon, Login, SN18321 23954, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, semi-improved grassland on slope above river. **NMW**; (+) Pant-y-Llyn Farm, Abernant, SN34708 25783, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018: "This is a nice example of the plant Oosterveld informally named 'frugale'", 12th May 2018, track side verge, **NMW**
- +135/25.07.73. **Taraxacum oellgaardii** (Ollgaard's Dandelion). Ty-isaf, Pentrepoeth, SN41729 15977, R.D. & K.A. Pryce & D.J. Poulter, det. A.J. Richards, Nov.2018, 27th Apr 2018, in garden by shed adjacent to path, **NMW**
- +135/25.08.84. **Taraxacum atactum** (Narrow-bracted Dandelion). South-east of Rhydownen, SN19676 28210, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, roadside verge, **NMW**
- +135/25.08.89 **Taraxacum hamatum** (Hook-lobed Dandelion). Pendine Ranges, SN26059 07920, Richard D. Pryce, det. A.J. Richards, Nov.2018, 12th Apr 2018, lawn east of Range Headquarters, **NMW**; (+) Allt Gilwen, Pentrecagal, SN32980 40908, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 28th Apr 2018, roadside verge. Also at SN 32986 40905, **NMW**
- +‡135/25.08.93. **Taraxacum lancidens** (Spear-toothed Dandelion). Fronafon, Login, SN18403 23918, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, agriculturally improved grassland, **NMW**
- +135/25.08.94. **Taraxacum marklundii** (Marklund's Dandelion). Llanwinio Common, SN24002 29314, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, road verge, **NMW**
- +135/25.08.sah. **Taraxacum sahlinianum** (Sahlin's Dandelion). Fronafon, Login, SN18345 23958, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, semi-improved grassland, **NMW**

- +135/25.09.108. **Taraxacum alatum** (Green Dandelion). Pendine Ranges, SN25944 07931, Richard D. Pryce, det. A.J. Richards, Nov.2018, 12th Apr 2018, lawn west of Range Headquarters, **NMW**
- \*‡135/25.09.110. **Taraxacum amplum** (Toothed Dandelion). Old A40, Dinefwr Home Farm, Llandeilo, SN62124 22984, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018: "This is 'British amplum' which may not be the same as Scandinavian material", 21st Apr 2018, roadside verge, **NMW**
- +135/25.09.111. **Taraxacum ancistrolobum** (Few-lobed Dandelion). Llanwinio Common, SN2406- 2927-, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, by footpath into wet grazed field, **NMW**
- +‡135/25.09.113. **Taraxacum angustisquameum** (Multilobed Dandelion). School Road, Pwll, Llanelli, SN47710 01155, Richard D. Pryce, det. A.J. Richards, Nov.2018, 6th May 2018, front lawn, **NMW**
- +135/25.09.120. **Taraxacum cophocentrum** (Rounded-lobed Dandelion). Allt Gilwen, Pentrecagal, SN33021 40885, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 28th Apr 2018, roadside verge, **NMW**
- +135/25.09.123. **Taraxacum croceiflorum** (Orange-flowered Dandelion). Fronafon, Login, SN18347 23958, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, semi-improved neutral grassland field, **NMW**; (+) Y Ddol, Llanboidy, SN22599 23384, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 23rd Apr 2018, semi-improved neutral grassland field. Also at SN 22575 23378, **NMW**; (+) SW of Llaethdy, Llangynog, SN3602- 1594-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 29th Apr 2018, roadside verge, **NMW**; (+) Allt Gilwen, Pentrecagal, SN3303- 4088-, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 28th Apr 2018, west side of gateway north of road, **NMW**
- \*135/25.09.126. **Taraxacum stenoglossum** (Dahlstedt's Dandelion). Cwm Capel, Burry Port, SN4526- 0208-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 11th May 2018, growing through grasscrete apron, **NMW**
- +‡135/25.09.127. **Taraxacum densilobum** (Close-lobed Dandelion). Pont Bargod, W of Henllan, SN3489- 4022-, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 28th Apr 2018, roadside verge, **NMW**
- +135/25.09.130. **Taraxacum dilatatum** (Grassland Dandelion). Roadside verge south of Beacon Bog, Llangynog, SN3543- 1653-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 29th Apr 2018, **NMW**
- +135/25.09.133. **Taraxacum expallidiforme** (Broad-stalked Dandelion). SW of Llaethdy, Llangynog, SN3621- 1641-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 29th Apr 2018, roadside bank, north side of road. **NMW**
- +‡135/25.09.152. **Taraxacum latissimum** (Broad-leaved Dandelion). Cwm Capel, Burry Port, SN4523- 0211-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 11th May 2018, rank grassy verge on S side of road, **NMW**
- +‡135/25.09.159. **Taraxacum lucidum** (Large-bracted Dandelion). Gibeon Chapel, E of Meidrim, SN30792 19104, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 24th Mar 2018, base of hedgebank on north side of lane, **NMW**

- \*‡135/25.09.176. **Taraxacum pachylobum** (Thick-lobed Dandelion). Ammanford Church, SN62964 12673, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 14th Apr 2018, unmown neutral grassland in churchyard, **NMW**
- +‡135/25.09.179. **Taraxacum pallidipes** (Grey-bracted Dandelion). School Road, Pwll, Llanelli, SN47721 01217, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 19th Apr 2018, greenhouse weed, **NMW**
- \*‡135/25.09.180. **Taraxacum pannucium** (Green-stalked Dandelion). Nr.Llanfihangel-Cilfargen church, Tirllan, Broad Oak, Llandeilo, SN57205 24078, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 21st Apr 2018, roadside verge, **NMW**
- +‡135/25.09.182. **Taraxacum pannulatum** (Brown-ribbed Dandelion). Llanwinio Common, SN23948 29389, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, grass bank of roadside layby, **NMW**
- +135/25.09.186. **Taraxacum polyodon** (Common Dandelion). Pendine Ranges, SN25958 07900, Richard D. Pryce, det. A.J. Richards, Nov.2018, 12th Apr 2018, lawn south of Range Headquarters, **NMW**
- +‡135/25.09.190. **Taraxacum pulchrifolium** (Beautiful-leaved Dandelion). West Street, Whitland, SN19749 16712, Richard D. Pryce, det. A.J. Richards, Nov.2018, 23rd Apr 2018, verge on north side of road adjacent to ATC hut. **NMW**
- \*‡135/25.09.196. **Taraxacum scotiniforme** (Deltoid-lobed Dandelion). Allt-yr-Hafod Fawr, Nr. Myddfai, SN81072 31962, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 6th Apr 2018, roadside verge, **NMW**
- +135/25.09.197. **Taraxacum sellandi** (Selland's Dandelion). SW of Llaethdy, Llangynog, SN3614- 1630-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 29th Apr 2018, roadside verge, NW side of road, **NMW**
- \*‡135/25.09.211. **Taraxacum subxanthostigma** (Purple-stalked Dandelion). SW of Penglogue, NE of Whitland, SN22291 19230, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 23rd Apr 2018, roadside verge, **NMW**
- +‡135/25.09.216. **Taraxacum undulatiflorum** (Dull-leaved Dandelion). E of Coomb Mansion, Llangynog, SN3391- 1413-, Richard D. Pryce, det. A.J. Richards, Nov.2018, 29th Apr 2018, roadside verge, north side of road. **NMW**
- \*‡135/25.09.219. **Taraxacum vastisectum** (Crowded-lobed Dandelion). Fronafon, Login, SN18365 23956, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 5th May 2018, disturbed ground at base of low wall. **NMW**
- +135/25.09.220. **Taraxacum xanthostigma** (Ochre-styled Dandelion). Y Ddol, Llanboidy, SN22592 23373, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 23rd Apr 2018, semi-improved hay meadow, **NMW**
- +135/25.pie. **Taraxacum pietii-oosterveldii**. Graig Farm, Halfway, Llandovery, 22/8219- 3222-, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Nov.2018, 18th May 2018, semi-improved neutral grassland hayfield. Also at 22/8225- 3227-, **NMW**
- +‡135/27.6. **Pilosella aurantiaca** (Fox-and-cubs) (Clust-y-llygoden Euraid). Pendine Churchyard, SN2291- 0879-, BSBI Rubus Meeting, det. R.D.Randall, 24th Jul 2018, northern boundary wall.

- +135/28.01.5. **Hieracium vagum** (Gabrous-headed Hawkweed). Maudland Picnic Site, SN3305- 3492-, BSBI Rubus Meeting, det. A.O.Chater, 25th Jul 2018, one plant in grassy heathland.
- \*135/43.6×flo **Erigeron ×stanleyi** (E. acris x E. floribunda) (a hybrid fleabane). Former power station site, Burry Port, SN4491- 0036-, Barry Stewart, det. T.C.G. Rich, conf. Tony Mundell, 17th Sep 2018, vegetating area of spread crushed concrete. 12 plants scattered over an area of 20m x 10m and a single plant at SN 44830 00366 growing with an abundance of both parents. First Welsh record. (Pryce, R.D. & K.A. (2019). *Erigeron x stanleyi* (a hybrid fleabane) new to Wales. BSBI Welsh Bull. **103**, 34-37), NMW
- +‡135/44.flo. **Conyza floribunda** (Many-flowered Fleabane). Ysgol Dyffryn Taf, Whitland, SN19783 16908, Richard D. Pryce, 30th May 2018, in limestone cobbles forming foundations of removed demountable building south of main school building.
- +142/1.01. **Potamogeton natans** (Broad-leaved Pondweed) (Dyfrllys Llydanddail). Dolhaidd Isaf, Pentrecagal TN1811, SN3437- 4060-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, locally abundant in pond on river flood-plain. Extending to SN 3439- 4062-.
- +‡147/2.1. **Lysichiton americanus** (American Skunk-cabbage) (Pidyn-y-gog Americanaidd). Pont Newydd, nr. Carway, SN4472- 0732-, Ruth & Mair Harry, det. R.D.Pryce (from photo), 12th Apr 2018, wet woodland.
- +‡151/1.02. **Juncus tenuis** (Slender Rush) (Brwynen Fain). Pont Treseli, SN2516- 4000-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, on horsebox dealers premises.
- +151/1.26×27. **Juncus ×kern-reichgeltii**. Bryn Sion Chapel, Pont Treseli, SN2542- 3998-, A.O.Chater, R.D. & K.A.Pryce, 30th Aug 2018, at least one plant in rank, uncut, quite spp.-rich graveyard in front (west) of chapel.
- +152/16.29. **Carex vesicaria** (Bladder-sedge) (Hesgen Chwysigennaidd). Dolhaidd Isaf, Pentrecagal, SN3437- 4060-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, flood-plain pond, western end.
- +153/18.04. **Poa humilis** (Spreading Meadow-grass) (Gweunwellt Ymledol). Dolhaidd Isaf, Pentrecagal, SN3431- 4053-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, surroundings to holiday-let buildings.
- +‡153/46.2. **Polyopogon viridis** (Water Bent) (Barfwellt y Dŵr). Ysgol Dyffryn Taf, Whitland, SN19783 16908, Richard D. Pryce, 30th May 2018, in limestone cobbles forming foundations of removed demountable building south of main school building.
- +154/1.2. **Sparganium emersum** (Unbranched Bur-reed) (Cleddlys Di-gainc). Dolhaidd Isaf, Pentrecagal, SN3433- 4060-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, in Afon Teifi.
- +158/20.2×3.‡ **Hyacinthoides ×massartiana** (Clychau'r-gog Croesryw). Dolhaidd Isaf, Pentrecagal, SN3398- 4059-, A.O.Chater, R.D. & K.A.Pryce, 7th Jun 2018, river bank field edge.
- +162/18.2.a. **Dactylorhiza maculata subsp. ericetorum**. Haulwen, nr. Trelech, SN3257- 2814-, West Wales Biodiversity Information Centre Recording Meeting,

det. Richard D. Pryce, 13th Jun 2018, 4 flowering plants in NVC MG1 neutral grassland hayfield with another 3 in Molinia dominated NVC M25 grassland nearby at SN 3258- 2816-. First post 2000 record for hectad.

PEMBROKE, v.c.45 (comm. S.B. Evans)

- +004/1.7. **Equisetum sylvaticum** (Wood Horsetail) (Marchrawnen y Coed). Cwm Cenau, Berry Hill, Nevern, SN06982 40440, Stephen & Ann E. Evans, 21st Apr 2018.
- +004/1.9. **Equisetum telmateia** (Great Horsetail) (Marchrawnen Fawr). Woodland west of Temple Gate, Crosswell, SN130 364, Matt Sutton, 20th Dec 2018, *Equisetum telmateia* and *Viburnum opulus* were below a spring on a clay slope in woodland.
- \*005/1.2. **Ophioglossum azoricum** (Small Adder's-tongue) (Tafod-y-neidr Bach). Skokholm, Dale, SM73305 04988, Fiona Gomersall, det. Fred Rumsey, 3rd May 2018, 18 plants found here and another 8 at SM73737 04972 and 3 at SM73785 04973 further east on the island. Photograph sent to Fred Rumsey. First confirmed record for Pembrokeshire though believed to have once been present on the neighbouring island of Skomer. *Ophioglossum vulgatum* sens. lat. has been known from Skokholm since 1981.
- +011/1.1×2. **Polypodium ×mantoniae**. Ffynnon-claf Railway Bridge, Lampeter Velfrey, SN1405- 1500-, Matt Sutton, det. Arthur O. Chater, 31st Apr 2018.
- +011/1. **Polypodium cambricum** (Southern Polypody) (Llawredynen Gymreig). Ruins of Boulston Mansion, Haverfordwest, SM9809- 1237-, Stephen & Ann E. Evans, 20th May 2018, growing on the inside of the walls of the seaward wooded rectangular enclosure ruins.
- +015/2.1. **Asplenium adiantum-nigrum** (Black Spleenwort) (Duegredynen Goesddu). Ha-ha, St Bride's Castle, SM7969- 1075-, Stephen & Ann E. Evans, 28th Aug 2018, stone wall of the one metre high ha-ha.
- +‡020/1.1. **Abies alba** (European Silver-fir) (Ffynidwydden Arian). Castell Malgwyn grounds, Cilgerran, SN2129- 4323-, Howard Williams, 4th Dec 2018, self-sown as it was quite small and some distance from the area just SSE of Castell Malgwyn House where non-natives were planted.
- +‡020/1.1. **Abies grandis** (Giant Fir) (Ffynidwydden Fawr). Castell Malgwyn grounds, Cilgerran, SN2131- 4336-, Howard Williams, 19th Jan 2018, small seedling near the tunnel.
- +‡020/3.1. **Tsuga heterophylla** (Western Hemlock-spruce) (Sbriwsen-Hemlog y Gorllewin). Clyn Wood, Cilrhedyn, SN006 346, Stephen & Ann E. Evans, 29th Apr 2018, self-sown on the margins of a forestry track; (+) Castell Malgwyn grounds, Cilgerran, SN2128- 4342-, Howard Williams, 19th Jan 2018, self-sown tree of 4-5m next to a much a larger one.
- +023/1.1.‡ **Taxus baccata** (Yew) (Ywen). Goulthrop Roads, Little Haven, SM83988 12583, Stephen Evans, 16th Apr 2018, a young yew tree was near the small old quarry by the old track down through this coastal woodland.

- +‡028/06.1. **Aconitum napellus** (Monk's-hood) (Cwccwll y Mynach). Rear entrance to St.Ishmaels Church, Camrose, SM9274- 2001-, Stephen & Ann E. Evans, 3rd Jul 2018.
- +028/12.1. **Clematis vitalba** (Traveller's-joy) (Barf yr Hen ŵr). Woodland, Boulston Lodge, Haverfordwest, SM9773- 1260-, Stephen & Ann E. Evans, 20th May 2018.
- +028/13.13. **Ranunculus flammula** (Lesser Spearwort) (Llafnlys Bach). Minor cliff-top flush runnel, The Nab Head, St Bride's, SM79086 11055, Stephen Evans, 28th Aug 2018, a winter runnel on a steeper section of cliff-top that had flushed margins.
- +‡030/1.1. **Papaver pseudoorientale** (Oriental Poppy) (Llygad y Bwgan). Newport Beach Car Park, Nevern, SN05483 40551, Stephen & Ann E. Evans, 2nd Jun 2018, a well-established flowering clump was growing on the vegetated sand bank that had been built up at the rear of the northern car park.
- +030/2.1.‡ **Meconopsis cambrica** (Welsh Poppy) (Pabi Cymreig). Roadside in Boulston Wood, Haverfordwest, SM97662 13170, Stephen & Ann E. Evans, 20th May 2018, both Meconopsis and Allium triquetrum were almost certainly of garden origin as they were by and below the road where there was a slight pull off.
- +031/3.1.‡ **Pseudofumaria lutea** (Yellow Corydalis) (Mwg-y-ddaeear Melyn). Castle Terrace, Haverfordwest, SM95205 15761, Stephen Evans, 21st Jun 2018.
- +033/1.1.1. **Ulmus glabra** (Wych Elm) (Llwyfen Lydanddail). Old wooded garden, St Bride's Castle, SM7959- 1085-, Stephen & Ann E. Evans, 28th Aug 2018.
- +033/1.1×3×4.‡ **Ulmus ×hollandica** (Dutch Elm) (Llwyfen yr Iseldiroedd). Pen-yr-allt farmhouse, Letterston, SM9295- 2909-, Stephen Evans, 13th Sep 2018, on a wooded bank below the farmhouse.
- +033/1.2. **Ulmus procera** (English Elm) (Llwyfen Lloegr). Old wooded garden, St Bride's Castle, SM7959- 1085-, Stephen & Ann E. Evans, 28th Aug 2018.
- +‡039/4.3. **Quercus ilex** (Evergreen Oak) (Derwen Fythwyrdd). Ha Ha, St Bride's Castle, SM7969- 1075-, Stephen & Ann E. Evans, 28th Aug 2018, the Quercus ilex was a self-seeded small sapling.
- +043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-ŵydd Coch). Midden in field north of Tyriet, Cilgwyn, Newport, SN0743- 3630-, Stephen Evans & Kerry Turner, 25th Sep 2018, a large plant was on the edge of the muck heap in the field on the west side of the road; (+) Edge of damp arable field, Glanrhyd, SN1433- 4222-, Howard Williams, 17th Sep 2018.
- +‡043/1.08. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-ŵydd Amlhadog). Porterswell Farm, Roch, SM8688- 2214-, Matt Sutton, 13th Aug 2018; (+) Treseisyllt, St. Nicholas, SM8844- 3570-, Stephen Evans, 9th Sep 2018, found in a former arable field that was ploughed and left unsown.
- +043/1.15 **Chenopodium album** (Fat-hen) (Troed-yr-ŵydd Gwyn). North of Bwlch-y-groes, SN2426- 3635-, Howard Williams, 17th Jul 2018, edge of arable field.
- +043/3.02. **Atriplex prostrata** (Spear-leaved Orache) (Llygwyn Tryfal). Pen-yr-allt llyn, Carreg-wen, Manordeifi, SN2145- 4136-, Howard Williams, 1st Sep 2018, caravan site gateway.
- +043/3.07. **Atriplex patula** (Common Orache) (Llygwyn Culddail). Llanwnwr, Strumble Head, SM88956 40303, Stephen & Ann E. Evans, 21st Aug 2018, Atriplex

- patula was growing with *Scleranthus annuus*; (+) Track, Bwlch-y-groes, SN2434-3619-, Howard Williams, 17th Jul 2018.
- +‡045/2.2. **Claytonia sibirica** (Pink Purslane) (Porpin Pinc). Bank of Western Cleddau river, Treffgarne Gorge, SM95869 25057, Stephen & Ann E. Evans, 25th Apr 2018, a single flowering plant on the wooded flood prone margin of the eastern side of the river; (+) Coed Glandwr, Nevern, SN073 404, Stephen & Ann E. Evans, 21st Apr 2018, a single plant was in flower on the rocky river platform area at the outside bend of the river within the wood.
- +046/02.1. **Moehringia trinervia** (Three-nerved Sandwort) (Tywodlys Teirnerf). Cwm Felin woodland, Llanwnda, SM926 402, Stephen Evans, 24th Jun 2018, small wooded coastal valley.
- +046/05.3. **Stellaria pallida** (Lesser Chickweed) (Gwlyddyn-y-dom Bach). Broad Haven dunes, Stackpole, SR97712 94277, Paul R. Green, 12th Mar 2018, found along a sandy track, with lots in a sandy bare area of a field gate and along man-made paths at Stackpole Warren in short open turf. See BSBI Welsh Bulletin No. 102 July 2018 pages 11-13; (+) South Beach boardwalk, Tenby, SN13173 00081, Paul R. Green, 11th Mar 2018, two plants on blown sand at the side of a boardwalk at the top of the beach. Also, as a pavement weed along the nearby Esplanade. See BSBI Welsh Bulletin 102: 11-13.
- +046/05.7. **Stellaria graminea** (Lesser Stitchwort) (Serenllys Bach). Ha-ha, St Bride's Castle, SM7969- 1075-, Stephen & Ann E. Evans, 28th Aug 2018, growing on the NE facing one metre high wall of the ha-ha.
- +046/10.8. **Sagina maritima** (Sea Pearlwort) (Corwlyddyn Arfor). Roadside, Strumble Head, SM897 412, Stephen & Ann E. Evans, 17th May 2018.
- 046/11.2 **Scleranthus annuus** (Annual Knawel) (Dinodd Unflwydd). Llanwnwr, Strumble Head, SM88893 40313, Stephen & Ann E. Evans, 21st Aug 2018, 100's of *Scleranthus annuus* were scattered with some dense patches along a cattle/pony track pinch point through *Ulex*. There were many similar stands nearby making it a very large population.
- +‡046/16.1. **Spergula arvensis** (Corn Spurrey) (Troellig yr Yd). New hedgebank by track near Shipping Hill Plantation, Ludchurch, SN120 106, Matt Sutton, 23rd Oct 2018.
- +046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Rutted trackside/bale storage area, Jordanston Mountain, Redberth, SN0888- 0366-, Matt Sutton, 14th Jun 2018, Three *Spergularia rubra* plants in rutted trackside/bale storage area, probably in association with crushed sandstone from Lawrence Landfill, Haverfordwest.
- +‡046/20.09. **Silene latifolia** (White Champion) (Gludlys Gwyn). Track by Llwyn-y-rhwrdd, Tegryn, SN2257- 3265-, Howard Williams, 3rd Jul 2018.
- +‡047/1.02.© **Persicaria campanulata** (Lesser Knotweed) (Y Ganwraidd Fach). West side of Frenni Fach Common, Tegryn, SN2252- 3449-, Howard Williams, 26th Aug 2018, near the house at the foot of Frenni Fach common.
- +047/1.14. **Persicaria hydropiper** (Water-pepper) (Y Dinboeth). Pond and flush, The Nab Head, St, Bride's, SM79100 10983, Stephen Evans, 28th Aug 2018, flushed edges of a small stock watering pond.

- +†047/4.3. **Polygonum arenastrum** (Equal-leaved Knotgrass) (Y Canclwm Manddail). Field above Abercych, SN2429- 4134-, Howard Williams, 13th Sep 2018, edge of arable field.
- +†047/5.4. **Fallopia convolvulus** (Black-bindweed) (Y Glymog Ddu). Field above Abercych, SN2429- 4134-, Howard Williams, 13th Sep 2018, edge of arable field.
- +047/8.15 **Rumex sanguineus** (Tafolen y Coed). Old wooded garden, St Bride's Castle, SM7959- 1085-, Stephen & Ann E. Evans, 28th Aug 2018, under the trees of the wooded northern garden.
- +‡051/1.01. **Hypericum calycinum** (Rose-of-Sharon) (Rhosyn Saron). Glanteifi Hotel, Poppit, St. Dogmaels, SN1625- 4711-, Howard Williams, 16th Jan 2018, track edge opposite the house of Rhug.
- +051/1.06×07. **Hypericum ×desetangsii** (Des Etangs' St John's-wort) (Eurinllys Des Etangs). Pant-y-Phillip Slate Quarry, Scleddau, SM9477- 3361-, Matt Sutton, 26th Oct 2018; (+) Along forestry track, Ford's Lake, Kilgetty, SN130 079, Matt Sutton, 20th Oct 2018.
- +061/1.2. **Populus tremula** (Aspen) (Aethnen). Dyffryn Mills, Lampeter Velfrey, SN138 147, Matt Sutton, 31st Apr 2018, records from survey of field and streamside woodland.
- +†062/01.7. **Sisymbrium officinale** (Hedge Mustard) (Roced y Berth). Field headland by path, St Bride's Castle, SM7969- 1103-, Stephen & Ann E. Evans, 28th Aug 2018, growing on the eastern margin of a barley stubble field; (+) By old canal, Manordeifi, SN2241- 4347-, Howard Williams, 26th Jun 2018.
- +062/12.4. **Rorippa palustris** (Marsh Yellow-cress) (Berwr Melyn y Gors). Recently enlarged pond, Newton Cottage, Manorbier Newton, SS0427- 9928-, Matt Sutton, 16th Sep 2018, a single plant at the pond edge.
- +062/22.2. **Erophila verna** (Common Whitlowgrass) (Llysiau'r-bystwn Cynnar). Granston Church, St. Nicholas, SM896 341, Stephen & Ann E. Evans, 18th Apr 2018, herbicide had again been used in 2017 on the approach path to the church porch - this is where there was abundant *Erophila verna* on the chippings, a result of this herbicide use?
- +062/30.3. **Lepidium heterophyllum** (Smith's Pepperwort) (Pupurlys Amryddail). Brynberian Chapelyard, SN1030- 3511-, Stephen & Ann E. Evans, 9th Jul 2018.
- +‡062/31.2. **Lepidium didymum** (Lesser Swine-cress) (Olbrain Bach). Llanwnwr, Strumble Head, SM88999 40275, Stephen & Ann E. Evans, 21st Aug 2018, growing with a few *Scleranthus annuus* on the edge of *Ulex* with rabbit burrows.
- +‡062/34.3. **Brassica rapa** (Turnip). Field below Capel Colman, Boncath, SN2197- 3823-, Howard Williams, 7th Sep 2018, weedy field.
- +†062/35.1. **Sinapis arvensis** (Charlock) (Mwstard Gwylt). Teifi Gorge NE of Fforest, Cilgerran, SN1936- 4445-, Howard Williams, 23rd Jul 2018, riverside.
- +069/4.1. **Lysimachia nemorum** (Yellow Pimpernel) (Gwlyddyn Melyn Mair). Cwm Felin woodland, Llanwnda, SM926 402, Stephen Evans, 24th Jun 2018, small wooded coastal valley.
- +‡069/4.5. **Lysimachia punctata** (Dotted Loosestrife) (Trewyn Brych). Haroldston Bridge, Haverfordwest, SM95908 14849, Stephen & Ann E. Evans, 21st Jun 2018,

- growing immediately below the bridge on the north of the main channel. Garden waste has been dumped here in previous years.
- +‡074/07.1. **Tolmiea menziesii** (Pick-a-back-plant) (Crydlys). Tre-llwyn Wood, Llanyaer, SM99689 35194, Stephen & Ann E. Evans, 30th Apr 2018, stands of *Tolmiea menziesii* were near the river in winter/wet weather flood zones. There are others along the Afon Gwaun; (+) 'Plain' quarry, Llechrhyd Gorge, Cilgerran, SN20572 42993, Howard Williams, 15th May 2018, track at bottom of disused slate quarry.
- +075/21.16 **Rosa sherardii** (Sherard's Downy-rose) (Rhosyn Sherard). Hedgebank, Gelli, Llawhaden, SN0846- 1970-, Stephen Evans, 11th Jun 2018, on the roadside hedgebank on the east side of the road from Gelli to Longridge Bridge through the high railway embankment.
- +‡075/22.05.b. **Prunus domestica subsp. insititia** (a subspecies of Wild Plum) (Coeden Eirin Bwlas). NW of Fowborough Point, Hook, SM99390 11790, Stephen & Ann E. Evans, 29th Aug 2018, a few trees with ripe plums and no thorns were growing at the top of the foreshore.
- +077/10.3. **Ornithopus perpusillus** (Bird's-foot) (Troed yr Aderyn). Chwarel y Glog, Hermon, SN2183- 3277-, Howard Williams, 6th Sep 2018, disused slate quarry. Also found by Matt Sutton on the edge of a track in Ffynnnon Woods at SN2370 3825 on 14102018.
- +077/19.01. **Trifolium ornithopodioides** (Bird's-foot Clover) (Corfeillionen Wen). Road centre, Strumble Head, SM89899 40811, Stephen & Ann E. Evans, 17th May 2018. *Trifolium ornithopodioides* was frequent in the centre of the tarred single-track road to the lighthouse. It was also scattered along the road centre from SM89925 40789 to 89758 41108.
- +‡077/19.04. **Trifolium hybridum** (Alsike Clover) (Meillionen Sweden). Priory Park Saltings entrance, Haverfordwest, SM9587- 1499-, Matt Sutton, 5th Oct 2018, the *Trifolium hybridum* was not obviously introduced, although a patch of seed mix with *Anthemis austriaca*, *Glebionis segetum* etc had been sown about 50m away.
- +077/19.13. **Trifolium micranthum** (Slender Trefoil) (Meillionen Hopysaid Eiddil). Grassy track by Strumble Head road, SM89970 40767, Stephen Evans, 17th May 2018.
- +‡079/2.2. **Myriophyllum aquaticum** (Parrot's-feather) (Pluen Parot). Recently enlarged pond, Newton Cottage, Manorbier Newton, SS0427- 9928-, Matt Sutton, 16th Sep 2018; (+) Church Farm Bungalow, East Williamston, SN097 047, Matt Sutton, 23rd May 2018, pond in field.
- +081/1.3. **Lythrum portula** (Water-purslane) (Troed y Gywen). Recently enlarged pond, Newton Cottage, Manorbier Newton, SS0427- 9928-, Matt Sutton, 16th Sep 2018, clay draw-down zone at edge of recently enlarged pond; (+) Pond 9, Templeton Airfield, SN10161 10750, Stephen Evans, 20th Mar 2018.
- +‡084/4.4. **Oenothera cambrica** (Small-flowered Evening-primrose) (Melyn-yr-hwyr Mân-floedeuog). Porterswell Farm, Roch, SM8688- 2214-, Matt Sutton, 13th Aug 2018.

- +†091/2.08. **Euphorbia helioscopia** (Sun Spurge) (Llaethlys yr Ysgyfarnog). Field below Capel Colman, Boncath, SN2197- 3823-, Howard Williams, 7th Sep 2018, weedy field.
- +095/1.2. **Polygala serpyllifolia** (Heath Milkwort) (Amlaethai'r Waun). Wet heathland on side of inflow channel into new winter pool, Ramsey, SM69878 23685, Stephen Evans, 26th Sep 2018.
- +103/1.16. **Geranium molle** (Dove's-foot Crane's-bill) (Pig-yr-Aran). Ha-ha, St Bride's Castle, SM7969- 1075-, Stephen & Ann E. Evans, 28th Aug 2018, growing on the NE facing one metre high wall of the ha-ha.
- +103/2.1. **Erodium maritimum** (Sea Stork's-bill) (Pig-y-crëyr Arfor). Castlebay Seafoods Yard, Johnston, SM9194- 1038-, Matt Sutton, 5th Oct 2018, there were 12 + rosettes in mossy turf at the edge of the hardstanding.
- +107/06.1. **Anthriscus sylvestris** (Cow Parsley) (Gorthyfail). Old wooded garden, St Bride's Castle, SM7959- 1085-, Stephen & Ann E. Evans, 28th Aug 2018, under the trees of the wooded northern garden area; (+) Cwm Felin woodland, Llanwnda, SM926 402, Stephen Evans, 24th Jun 2018, growing by the stream and the coast path in woodland.
- +‡110/7.1.© **Solanum lycopersicum** (Tomato) (Tomato). Priory Park Saltings entrance, Haverfordwest, SM9587- 1499-, Matt Sutton, 5th Oct 2018, a small plant as a casual in rubble entrance.
- +110/8.1. **Solanum nigrum** (Black Nightshade) (Codwarth Du). Wooded garden, St Bride's Castle, SM79658 10885, Stephen & Ann E. Evans, 28th Aug 2018, track edge by a collapsing old wall on the margin of barley stubble; (+) New hedgebank by track near Shipping Hill Plantation, Ludchurch, SN120 106, Matt Sutton, 23rd Oct 2018, ; (+) West of Pentre Mansion, Capel Newydd, SN2227- 4075-, Howard Williams, 29th Sep 2018, in arable field where topsoil had been stripped.
- +©110/9.1. **Datura stramonium** (Thorn-apple) (Afal Dreiniog). Ty-cant, NW of Welsh Hook, Letterston, SM9267- 2810-, R.F Taylor, 13th Sep 2018, a single plant growing next to a slurry tank by the roadside by the farm.
- +111/3.2. **Calystegia sepium** (Hedge Bindweed) (Taglys y Perthi). Cliifs west of St. Bride's Haven, SM795 112, Stephen Evans, 28th Aug 2018, first recent hectad record.
- +113/1.1. **Menyanthes trifoliata** (Bogbean) (Ffeuen y Gors). Shipping Hill Plantation, Ludchurch, SN1270- 1063-, Matt Sutton, 23rd Oct 2018, unplanted valley bog within plantation.
- +‡116/04.1×2. **Symphytum xuplandicum** (Russian Comfrey) (Cyfardwf Rwsia). Nr. Pen-bedw Farmhouse, Boncath, SN2084- 3933-, Howard Williams, 21st Jul 2018.
- +‡116/08.1. **Pentaglottis sempervirens** (Green Alkanet) (Llyisiau'r-gwrid Gwyrdd). Riverbank, Western Cleddau, Pen-yr-allt, Letterston, SM92892 28978, Stephen Evans, 15th May 2018, a clump in flower was on the river bank. Presumably washed down from above during flood conditions.
- +116/15.04. **Myosotis laxa** (Tufted Forget-me-not) (Sgorpionllys Siobynnog). South of Strumble Head Car Park, SM8946- 4098-, Stephen & Ann E. Evans, 21st Aug 2018, small pony grazed flush by coast path in first dip.

- +‡118/01.8. **Stachys arvensis** (Field Woundwort) (Briwlys y Tir Âr). Field below Capel Colman, Boncath, SN2197- 3823-, Howard Williams, 7th Sep 2018, weedy field.
- +118/20.1. **Origanum vulgare** (Wild Marjoram) (Penrhudd). Bethel Chapel, Llanddewi Velfrey, SN159 169, Stephen & Ann E. Evans, 3rd Jun 2018, roadside of the hedge by the gate into the chapelyard.
- +118/22.1. **Lycopus europaeus** (Gypsywort) (Llysiau'r Sipsiwn). Llechrhyd Bridge, SN2180- 4361-, Stephen & Ann E. Evans, 20th Jun 2018, on the up-stream side of the bridge over the Afon Teifi.
- +121/1.3.b. **Plantago major subsp. intermedia**. New winter pool, Ramsey, SM69983 23656, Stephen Evans, 26th Sep 2018, neither *Plantago major* nor its subsp. *intermedia* had previously been recorded in SM62.
- +‡124/09.1. **Misopates orontium** (Weasel's-snout) (Y Trwyn-y-llo Lleiaf). Field above Abercych, SN24283 41341, Howard Williams, 29th Sep 2018, arable field.
- 124/20.06. **Euphrasia tetraquetra** (Effros y Gorllewin). Major cliff-top flush complex, The Nab Head, St Bride's, SM79128 11057, Stephen Evans, 28th Aug 2018, an extensive cliff top flush complex had been pony grazed and had a classic short turf in places and at its seaward margins it merged with maritime grassland.
- +124/21.2. **Odontites vernus** (Red Bartsia) (Gorudd). Gateway NW end of old wall around woodland, St Bride's Castle, SM7956- 1087-, Stephen & Ann E. Evans, 28th Aug 2018.
- +‡129/7.2.© **Lobelia erinus** (Garden Lobelia) (Bidoglys yr Ardd). Track by cottage, Pont Newydd track by cottage, Nevern, SN0717- 4025-, Stephen & Ann E. Evans, 21st Apr 2018, a single small plant was in flower on the stony track in front of the cottage. Another established plant was on the front garden wall.
- +130/3.1. **Sherardia arvensis** (Field Madder) (Mandon Las yr Ŷd). Llanwnwr, Strumble Head, SM88832 40353, Stephen & Ann E. Evans, 21st Aug 2018, on dried up old ant hill on stone by prominent boulder.
- +130/6.06. **Galium verum** (Lady's Bedstraw) (Briwydd Felen). East of Foel Dyrch, Mynachlogddu, SN1657- 3051-, Matt Sutton, 14th Oct 2018, rough acid grassland at the edge of rank *Molinia*. Growing with *Lathyrus linarifolius* and *Lotus corniculatus*.
- +131/2.1. **Viburnum opulus** (Guelder-rose) (Gwifwrnwydden y Gors). Porterswell Farm, Roch, SM8688- 2214-, Matt Sutton, 13th Aug 2018.
- +‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle) (Bachgen Llwm). Trackside in woods of Ffynonnau, Capel Newydd, SN2428- 3843-, Howard Williams, 27th Nov 2018, several plants.
- +‡131/6.2. **Lonicera nitida** (Wilson's Honeysuckle) (Gwyddfid Wilson). Above Rhiwlas, Corsydd Teifi Nature Reserve, Cilgerran, SN1854- 4466-, Howard Williams, 21st Dec 2018, side of footpath.
- +133/1.1. **Valerianella locusta** (Common Cornsalad) (Gwylaeth yr Oen). Glanrhyd, Mynachlogddu, SN1516- 3188-, Stephen Evans, 27th Jun 2018, stoned cottage entrance track.

- +135/21.2. **Sonchus arvensis** (Perennial Sow-thistle) (Llaethysgallen y Tir Âr). Field above Abercych, SN2426- 4144-, Howard Williams, 9th Aug 2018, edge of barley field.
- +135/26.5. **Crepis vesicaria** (Beaked Hawk's-beard) (Gwalchlys Gylfinog). South Hook Liquid Gas Storage Plant, Herbrandston, SM8716- 0672-, Stephen Evans, 19th Jun 2018.
- +135/28.01.1. **Hieracium sabaudum** (Autumn Hawkweed) (Heboglys Blewog). Below old quarry, Llechrhyd Gorge, Cilgerran, SN2057- 4299-, Howard Williams, 26th Sep 2018, by footpath below disused slate quarry; (+) Llechrhyd Gorge, Cilgerran, SN2057- 4299-, Howard Williams, 26th Sep 2018, by footpath below quarry.
- +135/33.5. **Gnaphalium uliginosum** (Marsh Cudweed) (Edafeddog y Gors). New winter pool, Ramsey, SM69983 23656, Stephen Evans, 26th Sep 2018; (+) Pond and flush, The Nab Head, St. Bride's, SM79100 10983, Stephen Evans, 28th Aug 2018, flushed edges of a small stock watering pond.
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane) (Amrhydlwyd Canada). Priors Park Saltings entrance, Haverfordwest, SM9587- 1499-, Matt Sutton, 5th Oct 2018.
- +‡135/45.2. **Olearia macrodonta** (New Zealand Holly) (Llwyn-llygad-y-dydd Celynnog). Maengwyn, Dinas Cross, SN0232- 3869-, Stephen & Ann E. Evans, 31st Dec 2018, a young plant was growing by the wall of Maengwyn on the edge of the tarmac of the old road. The parent bush was about 10 m distant. It had been fertile for at least 20 years.
- +†135/59.1. **Matricaria chamomilla** (Scented Mayweed) (Amranwen Bêr). Field headland by path, St Bride's Castle, SM7969- 1103-, Stephen & Ann E. Evans, 28th Aug 2018, located on the eastern margin of a field of barley stubble.
- +‡138/4.2. **Elodea nuttallii** (Nuttall's Waterweed) (Ffugalaw Nuttall). Recently enlarged pond, Newton Cottage, Manorbier Newton, SS0427- 9928-, Matt Sutton, 16th Sep 2018.
- +146/1.2. **Zostera noltei** (Dwarf Eelgrass) (Gwellt-y-gamlas Bach). NW of Fowborough Point, Hook, SM99733 11646, Stephen & Ann E. Evans, 29th Aug 2018, well rooted in mud and specimens examined alongside a small stone spit. The Zostera bed extended south-east from here to SM99996 11132. It had also been mapped in the same area by NRW in 2017 when it had been recorded from here to south of Fowborough Point and into Sprinkle Pill.
- +‡148/2.4. **Lemna minuta** (Least Duckweed) (Llinad Bach). SW of Cwn-blaen-bwlan, Ffynnonau, Capel Newydd, SN2291- 3774-, Howard Williams, 10th Sep 2018, choked pond by track.
- +151/1.13. **Juncus articulatus** (Jointed Rush) (Brwynen Gymalog). Major cliff-top flush complex, The Nab Head, St Bride's, SM79128 11057, Stephen Evans, 28th Aug 2018, an extensive cliff top flush complex had been pony grazed and had a classic short turf in places and finely structured grazed tussocks of *Molinia caerulea*.
- +152/01.4. **Eriophorum vaginatum** (Hare's-tail Cottongrass) (Plu'r Gweunydd Unben). Shipping Hill Plantation, Ludchurch, SN1278- 1067-, Matt Sutton, 23rd Oct 2018, unplanted valley bog within plantation.
- +152/11.1. **Cyperus longus** (Galingale) (Ysnoden Fair). Church Farm Bungalow, East Williamston, SN0964- 0469-, Matt Sutton, 23rd May 2018, *Cyperus longus* in a dry

- field edge. Its origins were traced back to a small garden pond at SN0973 0485. It is still native at one extant station in VC45 but all other locations since 1950 are almost certainly recent arrivals/introductions.
- +152/16.23. **Carex hirta** (Hairy Sedge) (Hesgen Flewog). SE boundary, Pen-yr-allt, Letterston, SM9306- 2890-, Stephen Evans, 15th May 2018, hedgebank with trees.
  - +152/16.32. **Carex sylvatica** (Wood-sedge) (Hesgen y Coed). Cwm Felin woodland, Llanwnda, SM926 402, Stephen Evans, 24th Jun 2018, small wooded coastal valley.
  - +152/16.39. **Carex laevigata** (Smooth-stalked Sedge) (Hesgen Lefn). Estuarine edge of Little Milford Wood, Freystrop, SM968 117, Stephen & Ann E. Evans, 21st Jun 2018, by the wooded track at the bottom of the woodland.
  - +152/16.46.c. **Carex viridula subsp. viridula** (Small-fruited Yellow-sedge). Cors Penally, Penally, SS11654 98868, Stephen Evans, 24th Jul 2018, the peat of the fen had been opened up by cattle grazing and cattle trampling.
  - +152/16.22 **Carex canescens**. New Park, Cresswell Quay, SN0428- 0635-, Matt Sutton, 10th Jun 2018, one multi-stemmed flowering plant in wetland transition from Phragmites to Juncus.
  - +152/8.2. **Isolepis cernua** (Slender Club-rush) (Clwbfrwynen Fain). Pond and Flush, The Nab Head, St. Bride's, SM79100 10983, Stephen Evans, 28th Aug 2018, flushed edges of a small stock watering pond.
  - +153/14.2. **Vulpia bromoides** (Squirreltail Fescue) (Peisgwellt Cynffon Gwiwer). Allt-y -Gog, Mynachlogddu, SN141 282, Stephen Evans & Julie Garlick, 27th Jun 2018, unimproved wet and dry grassland with very abundant large boulders and many ant hills.
  - +153/30.1. **Trisetum flavescens** (Yellow Oat-grass) (Ceirchwellt Melyn). Capel Colman, Boncath, SN2163- 3839-, Stephen & Ann E. Evans, 20th Jun 2018, short grassland in strimmed churchyard.
  - +153/38.1. **Phalaris arundinacea** (Reed Canary-grass) (Pefrwellt). Pond and flush, The Nab Head, St. Bride's, SM79100 10983, Stephen Evans, 28th Aug 2018, flushed edges of a small stock watering pond.
  - +‡153/39.2. **Agrostis gigantea** (Black Bent) (Maeswellt Mawr). Llechrhyd Gorge, Cilgerran, SN2124- 4342-, Howard Williams, 1st Aug 2018, side of footpath.
  - +153/47.2. **Alopecurus geniculatus** (Marsh Foxtail) (Cynffonwellt Elinog). Flush, The Nab Head, St Bride's, SM79091 10942, Stephen Evans, 28th Aug 2018, pony grazed flush in cliff-top grassland.
  - +153/49.5. **Phleum arenarium** (Sand Cat's-tail) (Rhonwellt y Tywyn). New Barn Roof, Jordanston Mountain, Redberth, SN0880- 0364-, Matt Sutton, May 2018, one tuft of flowering Phleum arenarium with many flowering stems on new barn roof. Source was imported sand/gravel mix from Lawrence Landfill, Haverfordwest.
  - +153/51.1. **Bromopsis ramosa** (Hairy-brome) (Pawrwellt Blewog). Opposite Capel Colman Church, Boncath, SN2160- 3840-, Stephen Evans, 20th Jun 2018, a single specimen growing under a wooded hedgebank.
  - +‡153/62.1. **Cortaderia selloana** (Pampas-grass) (Peithwellt). Cliffs east of Wiseman's Bridge, SN1522- 0660-, Matt Sutton, 24th Nov 2018, single clump on rocky open ground below cliff.

- +158/02.1. **Narthecium ossifragum** (Bog Asphodel) (Llafn y Bladur). Shipping Hill Plantation, Ludchurch, SN1278- 1067-, Matt Sutton, 23rd Oct 2018, unplanted valley bog within plantation.
- +158/07.1. **Colchicum autumnale** (Meadow Saffron) (Saffrwm y Ddôl). West Williamston Nature Reserve, West Williamston, SN02605 06149, Nathan Walton, 9th May 2018, between 400 and 500 plants growing in a 10 x 9m area in secondary ash woodland on the top of a limestone ridge in a disused tidal limestone quarry. Almost certainly introduced.
- +158/35.1. ‡ **Ruscus aculeatus** (Butcher's-broom) (Celynnen Fair). Langton Hall, Scleddau, SM9448- 3379-, Stephen & Ann E. Evans, 25th Apr 2018, a clump was on the NNW side of the Hall on the garden/grass verge to the drive under trees.

CARDIGAN, v.c.46 (comm. S.P. Chambers)

- +003/1.2. **Isoetes echinospora** (Spring Quillwort) (Gwair Merllyn Bach). Llyn Llygad Rheidol, SN792 878, A.O. Chater, 3rd Jun 2018, very abundant in upland lake. The 1st record from the lake and new v.c. alt limit.
- +‡016/1.1. **Matteuccia struthiopteris** (Ostrich Fern) (Rhedynen Estrys). By ornamental pond, Pont-faen, c. 2.5 km NW of Cribyn, SN493 525, M.D.Sutton, 25th May 2018, naturalised where planted. The 2nd VCR.
- +028/13.07. **Ranunculus parviflorus** (Small-flowered Buttercup) (Blodyn-y-menyn Mân-floedeuog). Gravelly ground at edge of roadway on caravan park, Llety caravan park, c. 0.5 km W of Tresaith, SN274 513, S.P.Chambers, 23rd Apr 2018, c.12 non-flowering plants over 2 x 2 ft. A new site for this v.c.-rare species & the 2nd caravan park occurrence.
- +028/16.1. **Aquilegia vulgaris** (Columbine) (Troed y Golomen). Forestry track edge, Bryn-y-rhyd plantation, c. 1 km N of Cwm Twrch, SN686 517, S.P.Chambers, 15th Jul 2018, one small plant. New v.c. alt limit.
- +029/1.1. ‡ **Berberis vulgaris** (Barberry) (Pren Melyn). Edge of wet plantation woodland, c.400 m E of Nanthenfoel, c.0.5 km SSW of Pont Creuddyn, SN549 517, S.P.Chambers, 19th Apr 2018, single large bush, c. 3 x 2 x 3 m. Seems the 1st 'non-hedgerow' occurrence for the v.c. and a new site (the 9th current).
- +036/2.1. **Parietaria judaica** (Pellitory-of-the-wall) (Paladr y Wal). Llety caravan park, c. 0.5 km W of Tresaith, SN273 514, S.P.Chambers, 23rd Apr 2018, single small plants seen 3x on different wall bases. The 1st hectad record since 1936.
- \*©042/TET.tet. **Tetragonia tetragonioides** (New Zealand Spinach) (Ysbigogly Seland Newydd). Weed in polytunnel, Ysbyty Ystwyth, SN732 716, J.Long, det. A.O. Chater, 19th Aug 2018, **herb. SPC**
- \*043/1.05. **Chenopodium glaucum subsp. prostratum** (Oak-leaved Goosefoot) (Troed-yr-wydd Dail Derw). Newman's garden centre, Capel Dewi, SN626 823, S.P.Chambers, 26th Aug 2018, one plant growing in crack between paving slabs by outdoor fruit tree section, **herb. SPC**

- +043/3.10.‡ **Atriplex portulacoides** (Sea-purslane) (Llygwyn Llwydwy). E-edge of recent dune, N-end of Ynys-las dunes, SN609 945, A.O.Chater, 14th Jan 2018, one plant, the first ever seen on the Dyfi estuary W of the Leri.
- +046/17.3. **Spergularia marina** (Lesser Sea-spurrey) (Troellig Arfor Bach). Below metal barrier at edge of road, by the Morrisons supermarket between Llanbadarn Fawr & Penparcau, SN595 804, C.Griffiths, 20th Jun 2018, at 1.5 km from the coast the most inland record in the v.c. to-date.
- +047/8.15.san. **Rumex sanguineus var. sanguineus** (Blood-veined Dock). Along bottom of hedge beside minor road, c.0.75 km N of Glanrhyd, SN456 409, S.P.Chambers, 21st May 2018, scattered leaves along c. 3m. The 1st hectad record for the var.
- +061/1.2. **Populus tremula** (Aspen) (Aethnen). between Penffordd & Glanrafon Isaf, 2.5 km NE of Tregaron, SN704 609, S.P.Chambers, 12th Jun 2018, one tree suckering in to edge of pasture from mixed shelterbelt woodland.
- +‡062/16.1. **Aubrieta deltoidea** (Aubretia) (Cynfas Biws). Wall of derelict chapel, Blaencaron chapel, c. 2 km NE of Tregaron, SN708 611, S.P.Chambers, 12th Jun 2018.
- +‡062/20.1. **Lobularia maritima** (Sweet Alison) (Alyswm Pêr). c. 200 m W of Llanarth church, SN422 577, S.P.Chambers, 22nd Oct 2018, a few plants along road edge in front of garden wall.
- +062/22.2.ver. **Erophila verna var. verna**. Llety caravan park, c. 0.5 km W of Tresaith, SN273 513, S.P.Chambers, 23rd Apr 2018, in many spots in small amounts on dry track edges in caravan field.
- +‡073/1.3. **Crassula helmsii** (New Zealand Pigmyweed) (Corchwyn Seland Newydd). N-shore of reservoir, Cwm Rheidol Reservoir, SN697 796, A.O. Chater, 27th May 2018, in vast quantities along reservoir edge. The first record from the main Afon Rheidol river system.
- +‡073/5.7. **Sedum spurium** (Caucasian-stonecrop) (Briweg y Cawcasws). W of Tresaith, SN279 514, S.P.Chambers, 23rd Apr 2018, a few patches on gravelly edge of road.
- +‡074/07.1. **Tolmiea menziesii** (Pick-a-back-plant) (Crydlys). Wooded river bank, Afon Teifi, 600 m WSW of Llechrhyd bridge, SN212 434, A.O.Chater & L.Gander, det. A.O. Chater, 8th May 2018, several large colonies. First hectad record at least for the VC46 part of the square. The species is now well-established on the Afon Teifi.
- +075/09.13.b. **Potentilla erecta subsp. strictissima** (a subspecies of Tormentil). S side of the Afon Groes, c. 3.5 km ENE of Tregaron, SN716 605, S.P.Chambers, 11th Jun 2018, occasional plants scattered through ungrazed Molinia mire.
- +‡075/12.1. **Potentilla indica** (Yellow-flowered Strawberry) (Llwyn Mefus Melyn). Dry, SE-facing edge of minor road below rockface, opposite Upper Lodge, c. 2 km SW of Capel Dewi, SN444 406, S.P.Chambers, 29th May 2018, linear colony c. 1.5 x 0.25 m. The 1st record from the S of the v.c.
- +075/19.10.b. **Alchemilla filicaulis subsp. vestita** (Mantell-Fair Flewog). Damp, sedge-rich pasture, between Rhos-erchan-fach & Rhos-erchan-fawr, c. 300 m S of

- Capel Seion, SN633 788, S.P.Chambers, 10th Jun 2018, five plants over c. 5 x 10 m. Only the 3rd extant current natural site in the v.c.
- +075/21.16 **Rosa sherardii** (Sherard's Downy-rose) (Rhosyn Sherard). Field hedgerow, 100m NW of Glanrafon Isaf, 2.5 km NE of Tregaron, SN704 610, S.P.Chambers, 12th Jun 2018.
- +075/28.24. **Sorbus torminalis** (Wild Service-tree) (Cerddinen Wylt). Roadside hedge, c. 400 m SW of Llanfair Clydogau, SN618 509, J.B.Bell, conf. S.P.Chambers, 8th Jun 2018, one trimmed tree in layered hedge. New site and only the 3rd hedgerow location for the species in the v.c.
- +‡075/32.21. **Cotoneaster horizontalis** (Wall Cotoneaster) (Cotoneaster Asgwrn). Capel Bwlch-y-groes, c. 1.25 km SSE of Ffostrasol, SN378 462, S.P.Chambers, 10th Sep 2018, three plants on or by burial plots in chapel graveyard.
- +‡075/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster) (Cotoneaster Deilgrych Rehder). c.400 m SW of Bwlch-y-groes, SN374 461, S.P.Chambers, 10th Sep 2018, c.six mature, fruiting bushes, looking implanted in hedgerow.
- +077/19.13. **Trifolium micranthum** (Slender Trefoil) (Meillionen Hopysaidd Eiddil). Pasture between Broom Covert & Rhos-erchan-fach, c. 0.5 km SSW of Capel Seion, SN631 786, S.P.Chambers, 10th Jun 2018, very locally frequent on dry semi-bare soil in pasture by livestock track.
- +‡080/1.1. **Gunnera tinctoria** (Giant-rhubarb) (Rheonllys Mawr). Low scrub by path on coastal slope, above Traeth y Coybal, c. 1 km WSW of New Quay, SN372 592, J.P.Woodman & A.O.Chater, 17th Dec 2018, one young plant. Unusual coastal slope habitat for the species in the v.c.
- +‡091/2.16.b. **Euphorbia amygdaloides subsp. robbiae**. Verge of access road, Rhodfa Padarn, Aberystwyth, SN582 808, S.P.Chambers, 1st May 2018, colony over c. 3 x 1 m.
- +‡098/1.2.© **Aesculus carnea** (Red Horse-chestnut) (Castanwydden-y-meirch Goch). Bryncerdin Fach, c.0.75 km SW of Ffostrasol, SN379 469, A Houton, A.O.Chater, S.P.Chambers & WWBIC recorders, det. A.Houton, 23rd Aug 2018, planted stock-guarded tree in middle of meadow.
- \*‡103/1.03. **Geranium nodosum** (Knotted Crane's-bill) (Pig-yr-aran Glymog). by The Mount, Llan-non, SN516 669, R.G.Woods & A.O.Chater, 25th Nov 2018, clump still in flower on road verge.
- +103/1.18. **Geranium lucidum** (Shining Crane's-bill) (Pig-yr-aran Loywddail). River boulder, E-side of the Afon Clettwr, c. 1 km SW of Capel Dewi, SN446 415, S.P.Chambers, 19th May 2018, one plant. A novel habitat for the species in the v.c.
- +‡118/01.8. **Stachys arvensis** (Field Woundwort) (Briwlys y Tir Âr). Verge of minor road by sheep field entranceway, c. 0.5 km NW of Brynele, c. 2.5 km SW of Bethania, SN562 607, S.P.Chambers, 16th Nov 2018, c. nine plants, some still in flower. New v.c. alt limit.
- +‡118/05.4. **Lamium hybridum** (Cut-leaved Dead-nettle) (Marddanhadlen Dorddail). c.200 m SW of Esgeronen Fawr, 1 km SW of Llanarth, SN416 568, S.P.Chambers, 22nd Oct 2018, at least three plants in corner of weedy field.

- +118/20.1. **Origanum vulgare** (Wild Marjoram) (Penrhudd). Ty Mawr, Aber-porth, SN253 513, M.D.Sutton, 7th Sep 2018, naturalised plants probably of garden origin growing on building plot.
- +†118/23.3. **Mentha spicata** (Spear Mint) (Mintys Ysbigog). car park behind public house, Ffostrasol, SN372 476, S.P.Chambers, 24th Sep 2018, several clumps flowering on dumped rubble.
- +‡118/23.3×4. **Mentha ×villosa** (Apple-mint) (Mintys Lletgrwn). Roadside bank, NW side of the B4343, SW of Glan Gors, c. 2 km NNE of Tregaron, SN690 622, S.P.Chambers, 30th Jun 2018.
- ‡123/4.luc. **Ligustrum lucidum** (Tree Privet). [Scrub between road and stream, near Pen-y-nant at top of Cliff Terrace, Aberystwyth, SN590 826, R.G.Woods & A.O.Chater, 23rd Apr 2006, delete from VCCC. The bush reported in the Flora of Cardiganshire (see p.588) is a large leaved form of *Ligustrum ovalifolium*, ].
- +124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Flushed wet till slopes under trees and scrub on coastal path, cliff path above Carreg y Ddafad, W of Tresaith, SN276 514, S.P.Chambers, 23rd Apr 2018, several patches over c.30 m; (+) building plot, Bont-goch (Elerch), SN683 864, M.D.Sutton, 10th May 2018.
- +†124/09.1. **Misopates orontium** (Weasel's-snout) (Y Trwyn-y-llo Lleiaf). Gravel driveway, Winllan, 2 km NE of Tal-sarn, SN567 574, A.O.Chater & S.P.Chambers, 14th Jun 2018, one plant, on driveway but only a few metres away from a garden potato patch.
- +†124/16.19. **Veronica agrestis** (Green Field-speedwell) (Rhwyddlwyn-y-maes Gwyrd). Dol-y-pandy/Melindwr Terrace junction, Capel Bangor, SN658 799, S.P.Chambers, 29th Oct 2018, locally abundant along c. 3 m length of pavement edge beside garden hedge.
- +124/20.07. **Euphrasia nemorosa** (Effros). Edge of forestry track, Bryn-y-rhyd plantation, c. 1 km N of Cwm Twrch, SN686 517, S.P.Chambers, 15th Jul 2018, frequent plants, with *E.confusa* x *nemorosa*.
- +125/2.08. **Orobanche hederæ** (Ivy Broomrape) (Gorfanhadlen Eiddew). Grass verge by wall under curtain of *Hedera*, Ffordd Sulien, Llanbadarn Fawr, SN599 808, H.F.Clow, conf. S.P.Chambers, 13th Jun 2018, nine spikes. A separate population 235 m SE away from the longstanding colony in Llanbadarn Fawr.
- +130/6.07. **Galium album** (Hedge Bedstraw) (Briwydd y Clawdd). Grassland beside pathway kerb at edge of graveyard, near W-entrance doorway, Llanarth church, SN422 577, S.P.Chambers & S.Hancock, det. S.P.Chambers, 28th Apr 2018, one patch c. 1 x 1 ft. A new (the 8th) churchyard site for this uncommon species in the v.c.
- +132/1.1. **Adoxa moschatellina** (Moschatel) (Mwsglys). Around base of trunk of large Oak on old fieldbank, S of trackway between Penlone and Plasbach, c. 1 km SSE of Stags Head, SN643 580, S.P.Chambers, 11th Mar 2018, small colony c. 0.25 x 0.2 m.
- +134/3.1. **Knautia arvensis** (Field Scabious) (Clafrllys y Maes). NW-facing side of double-fenced field bank between sheep pastures, c. 150 m SW of Goitre, 1 km SW of Llanarth, SN409 564, S.P.Chambers, 22nd Oct 2018, several plants along c. 5 m of bank. The 1st hectad record since 1970, a new site and possibly v.c. alt limit.

- +‡135/19.2. **Tragopogon porrifolius** (Salsify) (Barf-yr-afr Gochlas). Bont-goch (Elerch), SN683 864, M.D.Sutton, 10th May 2018, one or two plants in rough grassland on building plot.
- +135/70.1. **Tussilago farfara** (Colt's-foot) (Carn yr Ebol). Verges of forestry track entrance splay, Bryn-y-rhyd plantation, c. 1 km N of Cwm Twrch, SN684 516, S.P.Chambers, 15th Jul 2018, locally frequent. The 1st post-1970 hectad record.
- +138/2.1. **Stratiotes aloides** (Water-soldier) (Milwr y Dŵr). Ornamental pond, Pontfaen, c. 2.5 km NW of Cribyn, SN493 525, M.D.Sutton, 25th May 2018, almost certainly planted in. The only current VC site.
- ⊗142/1.09. **Potamogeton perfoliatus** (Perfoliate Pondweed) (Dyfrllys Trydwl). Old mine reservoir pool, Pen-y-cefn Reservoir, 2 km NE of Penrhyn-coch, SN659 853, A.O. Chater, 15th Sep 2018, abundant at E-side of. Presumably introduced. The 1st VCR since Salter's two pre-1935 records along the Afon Teifi.
- +‡147/5.2.b. **Arum italicum subsp. italicum**. Pontrhydygroes, SN741 727, S.P.Chambers, 5th Apr 2018, c.4 clumps established on slope below footpath under trees.
- +151/1.06. **Juncus foliosus** (Leafy Rush) (Brwynen Ddeiliog). Flushed and poached strip at top of field, c. 200 m NW of Dolau-coion on NE flank of Trychrug hill, SN547 603, S.P.Chambers, 7th Jan 2018, frequent tufts over c. 3 x 4 m.
- +152/16.31 **Carex pendula** (Pendulous Sedge) (Hesgen Bendrom). Damp verge beside minor road through forestry plantation, Bryn Du plantation, SE of Llanddewi-Brefi, SN683 517, S.P.Chambers, 15th Jul 2018, single clump. New v.c. alt limit.
- +‡153/05.1 **Pseudosasa japonica** (Arrow Bamboo) (Bambŵ'r Saethau). Scrub beside footpath, near Tan-y-bryn, c. 3 km W of Tregaron, SN651 600, S.P.Chambers, 25th Mar 2018, c. 2 large clumps on rough ground.
- +153/11.1. **Milium effusum** (Wood Millet) (Miledwelt y Coed). between Allt Cefn-Llanfair & Dolbantau, 2 km SW of Capel Dewi, SN444 407, S.P.Chambers, 29th May 2018, locally frequent along c. 7 m length of roadside bank under trees.
- +155/1.1. **Typha latifolia** (Bulrush) (Cynffon y Gath). 300 m NW of Tyncoed, 1.5 km SE of Cors Caron/Tregaron Bog, SN702 618, S.P.Chambers, 30th Jun 2018, locally abundant forming stands around pool in sub-upland valley mire.
- +‡159/02.2. **Sisyrinchium montanum** (American Blue-eyed-grass) (Sisirinciwm y Mynydd). near Llyn Blaenmelindwr, c. 1 km E of Cwmsymlog, SN712 834, A. & G. Morton & D. & H. Thomas, 20th Jun 2018, the 2nd VC record. A well-established population on the N-verge of minor road.
- +162/18.1×2. **Dactylorhiza ×transiens**. Hay meadow, Winllan, 2 km NE of Tal-sarn, SN566 572, S.P.Chambers & A.O.Chater, det. S.P.Chambers, 14th Jun 2018, three plants, with both parents.
- +162/18.2×5. **Dactylorhiza ×formosa**. Hay meadow, Winllan, 2 km NE of Tal-sarn, SN566 572, S.P.Chambers & A.O.Chater, det. S.P.Chambers, 14th Jun 2018, at least one spike, with both parents.
- ⊗162/18.4×5. **Dactylorhiza ×insignis**. Hay meadow, Winllan, 2 km NE of Tal-sarn, SN566 572, S.P.Chambers & A.O.Chater, det. S.P.Chambers, 14th Jun 2018, hybrid swarm. The 1st v.c record since the 1950s

- +001/3.1. **Lycopodium clavatum** (Stag's-horn Clubmoss) (Cnwp-fwsogl Corn Carw). Cerrig Cwn (W of Foel), SH92621 14832, Gillian & Peter Foulkes, 11th Jul 2018, patch 2sq.m on side of track in conifer plantation with Calluna; (+) Cerrig Cwn (W of Foel), SH92827 14709, Gillian & Peter Foulkes, 11th Jul 2018, 1 plant on side of track in conifer plantation growing with Calluna.
- +011/1.2. **Polypodium interjectum** (Intermediate Polypody) (Llawredynen Ganolig). Gwigia WS, SO0552 9795, J.Clayfield & Montgomeryshire Flora Group, 22nd Aug 2018, on dam/outfall features.
- +014/2.1. **Phegopteris connectilis** (Beech Fern) (Rhedyden Gorniog). Llyn y Tarw (E of), SO026 969, A.K.Thorne & G.Foulkes, 22nd Aug 2018, tiny stream gorge. Second stand on east-facing rockface; (+) Llyn y Tarw (E of), SO026 970, A.K.Thorne & G.Foulkes, 22nd Aug 2018, tiny stream gorge. Stand at head of gorge.
- +015/1.1. **Asplenium scolopendrium** (Hart's-tongue) (Tafod yr Hydd). Dovey Junction (Dyfi Junction), SN69 97, Gillian & Peter Foulkes, 16th Mar 2018; (+) Afon Dillw (Elan watershed), SN84 77, A.K. & W.I.J. Thorne, 18th Oct 2018, very small plants on old bridge remnant.
- +017/3.03b. **Dryopteris cambrensis**. Waun Cwm Calch, Talerddig, SN903 977, A.K. & W.I.J. Thorne, 12th Jun 2018, central GR for steep valley/stream east of Waun Cwm Calch farm, currently part of SSSI; (+) Gwerni Gleision (Dyfnant), SJ006 177, A.K.Thorne & Montgomeryshire Flora Group, conf. M.Godfrey, 13th Sep 2018, on rocky bank of old lay-down area in plantation at SJ00661.17715.
- +017/3.05. **Dryopteris aemula** (Hay-scented Buckler-fern) (Marchredynen Bêr). Coed Brynmelyn (Glaspwl), SN74 98, Gillian & Peter Foulkes, conf. A.K.Thorne, 12th Sep 2018.
- +027/1.1. **Ceratophyllum demersum** (Rigid Hornwort) (Cyrnddail Caled). Llyn Llwydarth, SJ061 163, A.K.Thorne & G.Foulkes, 29th Jun 2018, subsidiary little pool SW of main pool.
- +028/13.23. **Ranunculus aquatilis** (Common Water-crowfoot) (Crafanc-y-frân y Dŵr). Llyn y Grinwydden, SJ02 06, A.K.Thorne & G.Foulkes, 7th Aug 2018, frequent close to shore.
- +028/13.24. **Ranunculus peltatus** (Pond Water-crowfoot) (Crafanc-y-frân y Llyn). Llyn Llwydiarth, SJ062 164, A.K.Thorne & G.Foulkes, 29th Jun 2018, central GR for pool. Noted along south margin of lake.
- +031/5.05. **Fumaria muralis** (Common Ramping-fumitory) (Mwg-y-ddaear Amrywiol). Cefn Coch, SJ06 03, A.K. & W.I.J. Thorne, 18th Aug 2018, laneside verge/hedgerow; (+) Llanerfyl (Neuadd-wen), SJ04 11, A.K. & W.I.J. Thorne, 5th May 2018, road verge/hedgerow.
- +†043/1.04. **Chenopodium bonus-henricus** (Good-King-Henry) (Llysiâu'r Gwrda). Hyssington, SO31 93, A.K.Thorne, 26th Nov 2018, enriched ground around grassland knoll.
- +043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-ŵydd Coch). Pentre Cilcwm (Pennant), SN87 96, P.Foulkes, 31st Aug 2018, on manure heap at Cilcwm

- fawr; (+) Talerddig (West of), SN90 99, Gillian & Peter Foulkes, 22nd Jul 2018, abundant on manure heap.
- +†043/1.08. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-wydd Amlhadog). Llanfechain, SJ18 20, A.K.Thorne, G.Foulkes & Montgomeryshire Flora Group, 2nd Oct 2018, in deposited soil and rubble in eroded area on river bank; (+) Gueffordd (E of), SJ220 145, S.Southam, conf. Thorne, Dr A.K., 23rd Sep 2018, disturbed soil.
- +043/3.02. **Atriplex prostrata** (Spear-leaved Orache) (Llygwyn Tryfal). Dyfi (W of Derwenlas), SN70 99, G.Foulkes, 7th Jul 2018, road verge.
- \*043/6.3.agg. **Salicornia europaea** agg. Dovey Junction SSSI (Dyfi SSSI), SN69 97, M.Lewis & Dyfi Saltmarsh Group, 6th Sep 2018, single plant on tidal mud at source of R. Llyfnant.
- +‡045/2.2. **Claytonia sibirica** (Pink Purslane) (Porpin Pinc). Llangurig (Troed-yr-esgair), SN88 79, A.K. & W.I.J. Thorne, 18th Oct 2018, several plants along hedgerow; (+) Pen-y-geulan (Wye Valley), SN88 80, Lizzie Beare, Sue Southam, Rachel Meade & Sylvia Backhouse, 19th Jun 2018; (+) S of Llangurig, SN90 78, A.K. & W.I.J. Thorne, 8th Jun 2018, river margin/bank; (+) S of Llangurig, SN91 78, A.K. & W.I.J. Thorne, 8th Jun 2018, river margin, in small quantity; (+) Carno (Cwm Llwyd), SN96 98, A.K. & W.I.J. Thorne, 7th May 2018, sparse, stream; (+) Llandinam Gravels WS, SO01 86, A.K. & W.I.J. Thorne, 10th Jun 2018; (+) Llandinam Gravels WS, SO02 87, A.K. & W.I.J. Thorne, 10th Jun 2018, in shingle/sediment near river; (+) Clatter, SO00 94, P.Foulkes & Montgomeryshire Flora Group, 17th May 2018, small quantity on river bank; (+) Llanerfyl, SJ03 09, A.K. & W.I.J. Thorne, 5th May 2018, 3 plant on river island; (+) Llanerfyl, SJ03 10, A.K. & W.I.J. Thorne, 5th May 2018, small quantity in riverside woodland.
- \*046/17.2. **Spergularia media** (Greater Sea-spurrey) (Troellig Arfor Mawr). Dovey Junction SSSI (Dyfi SSSI), SN69 97, K.Thorne & Dyfi Saltmarsh Group, 6th Sep 2018, salt marsh/floodplain.
- +046/17.3. **Spergularia marina** (Lesser Sea-spurrey) (Troellig Arfor Bach). Foel Fadian, SN83 95, G.Foulkes, 16th Oct 2018, 2 plants on grit pile at roadside; (+) Meifod (Trefnanney), SJ19 15, A.K.Thorne, 24th Aug 2018, roadside verge; (+) Coedway, SJ33 14, A.K. & W.I.J. Thorne, 21st Oct 2018, main road verge; (+) Coedway, SJ33 15, A.K. & W.I.J. Thorne, 21st Oct 2018, main road verge; (+) Coedway, SJ34 14, A.K. & W.I.J. Thorne, 21st Oct 2018, verge of main road.
- +046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Dovey Junction (Dyfi Junction), SN69 97, G.Foulkes, 27th Jul 2018, on rough ground by new pedestrian bridge over Llyfnant.
- \*†047/4.6. **Polygonum rurivagum** (Cornfield Knotgrass) (Canclwm y Tir Âr). Llandrinio, SJ2996 1699, D.Wrench, 15th Jun 2017, record received 2019, held by BIS, originated from iRecord Download 06/09/2017.
- +061/1.3.a. **Populus nigra** subsp. **betulifolia** (a subspecies of Black-poplar). Llyn Llwydarth, SJ06 16, A.K.Thorne & G.Foulkes, 29th Jun 2018, several young trees in pool surrounds. Leaf features suggest Black Poplar.
- +†061/2.09. **Salix viminalis** (Osier) (Helygen Wiail). Llanfechain, SJ18 20, A.K.Thorne, G.Foulkes & Montgomeryshire Flora Group, 2nd Oct 2018, river bank.

- +061/2.10×11. **Salix ×reichardtii**. Husky Hall (Kerry), SO17 87, J.Clayfield, 2nd Jan 8-07.
- +061/2.16. **Salix repens** (Creeping Willow) (Corhelygen). Afon Diliw (Pen Bwlchycloddiau), SN859 788, Thorne, W.I.J, 18th Oct 2018, single low bush in partially damp 'lay-by' by forest track; (+) Commins Coch (Rhos Coed y Rhyd), SH856 031, T.Stretton & E.Huhtala, 14th Aug 2018, central GR for rhos pasture site.
- +‡062/11.4. **Barbarea verna** (American Winter-ress) (Berwr-y-gaeaf cynnar). Clatter (Alltwnnog), SO01 94, A.K.Thorne & G.Foulkes, 17th May 2018, regenerating felled plantation.
- +062/22.2. **Erophila verna** (Common Whitlowgrass) (Llyisiau'r-bystwn Cynnar). Clywedog (S side), SN88 89, G.Foulkes, 2nd Jan 8-06, around parking posts at SN886893; (+) Clatter, SN99 94, G.Foulkes, 18th Apr 2018; (+) Machynlleth Railway Station, SH744 013, Gillian & Peter Foulkes, 9th Apr 2018, several plants growing at edge of platform on SW side of station; (+) Llanerfyl (Tyhwnt-ir-parc), SJ03 11, A.K. & W.I.J. Thorne, 5th May 2018, dry bank. Hairiness checked.
- +062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llyisiau'r-bystwn Llyfn). Machynlleth, SH750 007, G.Foulkes, conf. T.C.G.Rich, 13th Mar 2018, several patches growing on edge of pavement/forecourt at Huw Lewis Tyres close to junction of Maengwyn Street and Forge Road in Machynlleth; (+) Dolforwyn Castle, SO15 95, A.K. & W.I.J. Thorne, 3rd Apr 2018, scattered small stands in floor of castle ruins, hairiness checked.
- +062/23.5.‡ **Cochlearia danica** (Danish Scurvygrass) (Llwylys Denmarc). Machynlleth Railway Station, SH744 013, Gillian & Peter Foulkes, 9th Apr 2018, growing around edge of station forecourt where salting has taken place.
- +‡062/31.1. **Lepidium coronopus** (Swine-ress) (Olbrain). Coedway (Pentre Farm), SJ34 15, A.K.Thorne, 23rd Oct 2018, arable land in floodplain.
- +‡062/31.2. **Lepidium didymum** (Lesser Swine-ress) (Olbrain Bach). Dyfi (W of Derwenlas), SN70 99, G.Foulkes, 7th Jul 2018, road verge; (+) Newtown (Pen-y-banc), SO09 89, A.K.Thorne, 16th Nov 2018, disturbed ground.
- +062/34.5.‡ **Brassica nigra** (Black Mustard) (Mwstard Du). Cemmaes Road west of, SH80 04, G.Foulkes, 15th Jul 2018.
- +‡062/35.1. **Sinapis arvensis** (Charlock) (Mwstard Gwylt). Dylife, SN86 93, Gillian & Peter Foulkes, 14th Oct 2018, 4 plants on road verge.
- +062/4.1. **Arabidopsis thaliana** (Thale Cress) (Berwr y Fagwyr). Llanerfyl, SJ03 09, A.K. & W.I.J. Thorne, 5th May 2018, edge of pavement.
- +‡062/42.1.a. **Raphanus raphanistrum subsp. raphanistrum** (Wild Radish) (Rhuddygl Gwylt). Coedway, SJ33 14, A.K. & W.I.J. Thorne, 21st Oct 2018, main road verge.
- \*‡065/8.3. **Gaultheria mucronata** (Prickly Heath) (Gweunlwyn Pigog). Llyfnant Valley, SN73 97, G.Foulkes, 24th Sep 2018, growing on verge of minor road near Glaspwll at SN739.976 not obviously planted but extensive forestry take-out further along road.

- +069/1.1×3. **Primula vulgaris** × **P. veris** = **P. ×polyantha** (False Oxlip) (Briallen Groesryw). Llanerfyl, SJ03 09, A.K. & W.I.J. Thorne, 5th May 2018, single plant under river bank.
- +073/2.1. **Umbilicus rupestris** (Navelwort) (Deilen Gron). Dovey Junction SSSI (Dyfi SSSI), SN69 98, K.Williams, 6th Sep 2018, rocky knoll; (+) Rhyd, Cwm Llwyd, SH97 00, A.K.Thorne, 6th Dec 2018, road verge/hedgerow.
- \*‡075/08.0.09. **Rubus spectabilis** (Salmonberry) (Miaren Oren). Montgomery Canal, Garthmyl, SO194 992, R.A.Dawes & S.Swindells, 8th Jun 2018, 1 shrub on bank.
- +‡075/13.3. **Geum macrophyllum** (Large-leaved Avens) (Mapgoll Fawr)). Coed Cwm Llywy, SH80 03, Gillian & Peter Foulkes, 13th May 2018, several plants along A489 road verge on N side at SH80640364.
- +‡075/18.1. **Acaena novae-zelandiae** (Pirri-pirri-bur) (Pirri-pirri). Aberangell (west of), SH8319 0970, Gillian & Peter Foulkes, 8th Apr 2018, very well established on both sides of forestry road and extending for hundreds of metres; (+) Aberangell (North west of), SH83 10, Gillian & Peter Foulkes, 8th Apr 2018, small patch on verge at SH834101 below gatehouse.
- +075/19.10.b. **Alchemilla filicaulis subsp. vestita** (Mantell-Fair Flewog). Cwm Rhiweirth (Pen y Bryniau), SJ01 30, S.Swindells & R.A.Dawes, 31st Jul 2018, moorland track.
- +075/21.13b×12. **Rosa caesia subsp. vosagiaca** × **R. canina** (? × ?). S of Llangurig, SN909 786, A.K.Thorne, 28th Jul 2018, R.Maskew commented “probably *R. squarrosa* × *vosagiaca* as the leaf margins are partially biserrate and glandular”. Persistent patent sepals on very ripe hips in October 2018.
- +075/21.15. **Rosa tomentosa** (Harsh Downy-rose) (Rhosyn Gwlanog). Brimford Wood, SJ30 14, A.K. & W.I.J. Thorne, 21st Oct 2018, old track.
- +077/14.08. **Vicia tetrasperma** (Smooth Tare) (Ffacbysen Lefn). Clatter, SN99 94, G.Foulkes, 10th May 2018.
- +077/19.11. **Trifolium campestre** (Hop Trefoil) (Meillionen Hopysaidd). Dylife, SN86 93, A.K.Thorne & Montgomeryshire Flora Group, 21st Jun 2018, road verges.
- +079/2.3. **Myriophyllum spicatum** (Spiked Water-milfoil) (Myrdd-ddail Ysbigog). Montgomery Canal, Llanymynech, SJ26 20, R.A.Dawes, 8th Aug 2018, canal near Llanymynech bridge.
- +079/2.4. **Myriophyllum alterniflorum** (Alternate Water-milfoil) (Myrdd-dail Blodau Bob yn Ail). S of Llangurig, SN90 78, A.K. & W.I.J. Thorne, 8th Jun 2018, in river; (+) S of Llangurig, SN91 78, A.K. & W.I.J. Thorne, 8th Jun 2018, in river.
- +084/1.02. **Epilobium parviflorum** (Hoary Willowherb) (Helyglys Lledlwyd). Afon Diliw (Pen Bwlchycloddiau), SN859 788, A.K. & W.I.J. Thorne, 18th Oct 2018, in damp lay-by by forest track.
- +084/1.05. **Epilobium tetragonum** (Square-stalked Willowherb) (Helyglys Pedronglog). Aber-Bidno (Llangurig), SN89 80, A.K. & W.I.J. Thorne, 18th Oct 2018, road verge.
- +‡084/1.08. **Epilobium ciliatum** (American Willowherb) (Helyglys America). Dernol, SN90 74, A.K.Thorne & Montgomeryshire Flora Group, 20th Jun 2018, boggy area by lane; (+) Aberangell (North west of), SH83 10, G.Foulkes, 2nd Jul 2018.

- +088/1.1. **Euonymus europaeus** (Spindle) (Piswydden). Hyssington, SO313 939, T.Stretton & D.Hodgkiss, 24th Jul 2018, central GR for grassland site.
- +‡091/2.16. **Euphorbia amygdaloides** (Wood Spurge) (Llaethlys y Coed). Llanfair Caereinion (Ceunant), SJ060 077, A.Hotchkiss & A.K.Thorne, 18th May 2018, small stand, wooded stream corridor.
- +099/1.3. **Acer campestre** (Field Maple) (Masarnen Fach). Llangurig (Troed-yresgair), SN88 79, A.K. & W.I.J. Thorne, 18th Oct 2018, lane verge/hedgerow.
- +‡106/1.hib. **Hedera hibernica**. Dovey Junction SSSI (Dyfi SSSI), SN69 98, K.Thorne & Dyfi Saltmarsh Group, 6th Sep 2018, hairs checked Rocky knoll; (+) Afon Dillw (Elan watershed), SN84 75, Gillian & Peter Foulkes, 16th May 2018, hairs checked; (+) Afon Dillw (Elan watershed), SN84 76, Gillian & Peter Foulkes, 16th May 2018, hairs checked; (+) Coedydd y Beili, Malgwyn a Cribin SSSI, Llangurig, SN89 83, A.K. & W.I.J. Thorne, 8th Jun 2018, lane-side bank; (+) Aberangell (North west of), SH83 10, Gillian & Peter Foulkes, 8th Apr 2018; (+) Lake Vyrnwy (Hirddu Fawr), SH95 21, Gillian & Peter Foulkes, 5th Aug 2018, hairs checked; (+) Newtown (Stepaside), SO08 89, A.K.Thorne, 16th Nov 2018, river bank. hairs checked; (+) Montgomery (Pen-y-bryn), SO24 94, A.K.Thorne, 19th Nov 2018, hedgerow close to Hall; (+) Llanfihangel-yng-Ngwynfa, SJ07 16, A.K. & W.I.J. Thorne, 28th Apr 2018, hairs on young shoots and leaves checked with microscope.
- +107/02.1. **Sanicula europaea** (Sanicle) (Clust yr Arth). Wye Valley (Llanifyny), SN86 81, Lizzie Beare, Sue Southam, Rachel Meade & Sylvia Backhouse, 19th Jun 2018.
- +‡110/9.1. **Datura stramonium** (Thorn-apple) (Afal Dreiniog). Ystrad Dolwen (Llangurig), SN931 796, Sheila & Stanley Turner, 2nd Jan 8-08, several plants in arable field margin.
- +113/2.1. **Nymphoides peltata** (Fringed Water-lily) (Lili'r-dŵr Eddiög). Montgomery Canal, Garthmyl, SO19 99, R.A.Dawes; S.Swindells, 8th Jun 2018, non-native site. occasional in small patches in canal; (+) LLyn Llwydiarth, SJ062 164 (central GR for pool), A.K.Thorne & G.Foulkes, 29th Jun 2018, non-native site, locally abundant and invasive.
- +116/15.10. **Myosotis discolor** (Changing Forget-me-not) (Sgorpionllys y Amryliw). Pant-gwyn Hill (Llangurig), SN89 78, Peter Foulkes, John Clayfield & Sheila Turner, 19th Jun 2018.
- +118/01.6. **Stachys palustris** (Marsh Woundwort) (Briwllys y Gors). Llangurig (Troed-yresgair), SN88 79, A.K. & W.I.J. Thorne, 18th Oct 2018, lane verge/hedgerow.
- +†118/01.8. **Stachys arvensis** (Field Woundwort) (Briwllys y Tir Âr). Carreghofa Hall (near), SJ2525 2155, S.Swindells, 17th Oct 2018, approx 12 plants scattered in gateway to maize field.
- +118/06.5. **Galeopsis bifida** (Bifid Hemp-nettle) (Y Benboeth Hollt). Llanrhaeadr-ym-mochnant (Cefn Coch), SJ100 269, S.Swindells, 1st Sep 2018, a few plants on laneside verge.
- +124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Dovey Junction SSSI (Dyfi SSSI), SN69 98, M.Lawley, 6th Sep 2018, rocky knoll pool; (+) Dylife SW, SN85 93, Beare, E, 21st Jun 2018; (+) Llandinam Gravels WS, SO02 87, A.K.Thorne, 2nd Jun 2018, river bank.

- +‡124/04.2. **Mimulus guttatus** (Monkeyflower) (Blodyn Mwnci). Dyfi (W of Derwenlas), SN70 99, G.Foulkes, 7th Jul 2018, river bank; (+) Wye Valley (Llanifyny), SN86 81, Lizzie Beare, Sue Southam, Rachel Meade & Sylvia Backhouse, 19th Jun 2018; (+) Glanbidno (Llangurig), SN88 81, G.Foulkes & Montgomeryshire Flora Group, 19th Jun 2018.
- +124/05.1. **Limosella aquatica** (Mudwort) (Lleidlys). Berriew (Pant-y-ffridd), SJ1579 0290, D.Wrench, 30th Jul 2018, at least 5 plants flowering very well and producing lots of stolons.
- +124/11.1. **Cymbalaria muralis** (Ivy-leaved Toadflax) (Trwyn-y-llo Dail Eiddew). Rhyd, Cwm Llwyd, SH97 00, A.K.Thorne, 6th Dec 2018, on wall.
- +‡124/13.3. **Linaria purpurea** (Purple Toadflax) (Llin-y-llyffant Porffor). Montgomery Canal, Llanymynech, SJ26 20, R.A.Dawes, 7th Jun 2018, towpath.
- +124/19.3. **Melampyrum pratense** (Common Cow-wheat) (Gliniogai). Cwm (Drewyn Dingle), SO265 905, R.Rowe, 16th May 2018, central GR for wooded dingle.
- +124/20.01.a. **Euphrasia officinalis subsp. pratensis**. Llyfnant Valley, SN710 976, G.Foulkes, conf. C.Metherell, 15th Jun 2018, growing in rough pasture with Lin cath, Plan lanc, Carex caryoph at SN710976. (CM ref 2018/332) 'Montgomery is an area where one might expect to find intermediates but no real suggestion of that here. (CM)'. First post 2000 record.
- \*124/20.03×07. **Euphrasia anglica** × **E. nemorosa** = **E. × glanduligera Wettst.**. Gwerni Gleision (Dyfnant), SJ00 17, A.K.Thorne & Montgomeryshire Flora Group, conf. C.Metherell, 13th Sep 2018, plantation track. CM ref 2018/333. 'Very small leaves overall, which are rather narrow. The CL have very sharp teeth (acuminate with occasional aristate ones). This combined with the leaf shape suggests this hybrid. It could be x rostkoviana rather than x anglica but I prefer the latter as it is, in general, much commoner and this suggests that there is more of a hybridisation barrier perhaps. Also the flexuous nature of the plants suggests this. (CM)'.  
+124/20.05. **Euphrasia arctica** (Arctic Eyebright) (Effros yr Arctig). Llandinam Gravels WS, SO02 87, A.K. & W.I.J. Thorne, conf. C.Metherell, 10th Jun 2018, hayfield north of WS parking; (+) Llwydiarth (Cyffin-fawr), SJ04 14, A.K.Thorne & Montgomeryshire Flora Group, conf. C.Metherell, 16th Aug 2018, very small quantity in grassland.
- +124/20.18. **Euphrasia micrantha** (Purple-stemmed Eyebright) (Effros Mân-flodeuog). Llyn y Tarw (E of), SO0267 9725, A.K.Thorne & G.Foulkes, conf. C.Metherell, 22nd Aug 2018, on edge of small wet flush with Lin cath and Car hos. 'Growing in a basic flush - an unusual site for the species (CM)'; (\*) Llyn y Bugail (S of), SJ0046 0475, A.K. & W.I.J. Thorne, conf. C.Metherell, 2nd Aug 2018, second very small stand along tiny stream valley south of lake, 'Possible Euphrasia micrantha hybrid with E. arctica (CM)'; (\*) Llyn y Bugail (S of), SJ0046 0477, A.K. & W.I.J. Thorne, conf. C.Metherell, 2nd Aug 2018, very small stand along tiny stream valley south of lake.
- \*‡125/1.2. **Lathraea clandestina** (Purple Toothwort) (Deintlys Porffor). Centre for Alternative Technology, SH752 045, R.Gritten, 17th May 2007, riverside site near CAT, single plant. Record received 2019, held by BIS.

- +128/2.6. **Utricularia minor** (Lesser Bladderwort) (Chwysigenddail Bach). Llyn Newydd, SJ01860 05821, M.Lawley, 7th Aug 2018, in a pool lying within an extensive floating vegetation mat on NE side of Llyn; (+) Llyn Hir, SJ022 059, S.Southam & Montgomeryshire Flora Group, 7th Aug 2018, very small quantity found in north side of pool.
- +130/6.07. **Galium album** (Hedge Bedstraw) (Briwydd y Clawdd). Llanfechain, SJ189 203, S.Swindells, 26th May 2018, 0.5m square patch on edge of community car park; (+) Carreghofa Hall (near), SJ2511 2015, S.Swindells, 17th Oct 2018, a few small plants scattered in gateway to maize field.
- \*135/05.1. **Carduus tenuiflorus** (Slender Thistle) (Ysgallen Flodfain). Clatter (Alltwnnog), SO0147 9461, R.Martin & Montgomeryshire Flora Group, 17th May 2018, plants noted between about SO01469465 and SO01479454 with the largest group at SO01479461. Estimate of between 50 and 100 plants, all flanking a rough track; (\*) Clatter (Alltwnnog), SO015 943, W.I.J.Thorne & Montgomeryshire Flora Group, 17th May 2018, regenerating felled forest area. Single plant by track.
- +‡135/17.1. **Helminthotheca echioides** (Bristly Oxtongue) (Tafod-y-llew Gwrychog). Dylife, SN86 93, A.K.Thorne & G.Foulkes, 10th Oct 2017, growing on road verge close to area where other unlikely plants found in 2016 by G and P Foulkes; (+) Welshpool, SJ22 06, A.K. & W.I.J. Thorne, 2nd Sep 2018, many plants in pavement, with Sen vis, in Severn Farm industrial estate.
- \*135/25.07.69. **Taraxacum lancastriense** (Lancashire Dandelion). Nant Ysgolion gorge, Talerddig, SN908 983, A.K. & W.I.J. Thorne, conf. A.J.Richards, 12th Jun 2018, gR for upper section and head of ravine. Flushes on high ground immediately above ravine.
- \*135/25.08.89 **Taraxacum hamatum** (Hook-lobed Dandelion). Church Stoke, SO26 93, A.K. & W.I.J. Thorne, conf. A.J.Richards, 20th Mar 2018, lane-side.
- +135/26.1. **Crepis paludosa** (Marsh Hawk's-beard) (Gwalchlys y gors). Llandinam Gravels WS, SO011 864, A.K. & W.I.J. Thorne, 10th Jun 2018, shaded river bank, couple of plants; (+) Cwm (Drewyn Dingle), SO265 905, R.Rowe, 16th May 2018, central GR for wooded dingle.
- +‡135/28.01.1.bla. **Hieracium sabaudum f. bladonii**. Dovey Junction (Dyfi Junction), SN69 97, M.Lawley, conf. D.McCosh, 6th Sep 2018, by railway line.
- +135/28.01. **Hieracium sect. Sabauda**. S of Llangurig, SN90 78, A.K.Thorne, 27th Jul 2018, river bank.
- +‡135/28.07.ang. **Hieracium anglorum** (Anglian Hawkweed). Dylife (Afon Twymyn gorge), SN87 94, P.Foulkes & Montgomeryshire Flora Group, conf. D.McCosh, 21st Jun 2018, several plants on open grass/heathy slope.
- +135/33.5. **Gnaphalium uliginosum** (Marsh Cudweed) (Edafeddog y Gors). Cwm Rhiweirth (Pen y Bryniau), SJ01 30, S.Swindells & R.A.Dawes, 31st Jul 2018, roadside verge.
- +138/1.1. **Hydrocharis morsus-ranae** (Frogbit) (Ffugalaw Bach). Montgomery Canal, SJ25 20, R.A.Dawes, 8th Jul 2018, canal, throughout the monad.
- \*‡138/6.1. **Lagarosiphon major** (Curly Waterweed) (Ffugalaw Crych). Pant-y-drain (E of Kerry), SO17 89, J.Clayfield, 2nd Jan 8-07, pool at Pant-y-drain.

- +142/1.01. **Potamogeton natans** (Broad-leaved Pondweed) (Dyfrllys Llydanddail). Cwm Rhiwiau, SJ06 30, R.A.Dawes, 6th Aug 2018, small pool.
- +142/1.02. **Potamogeton polygonifolius** (Bog Pondweed) (Dyfrllys y Gors). Dovey Junction SSSI (Dyfi SSSI), SN69 98, P.Foulkes, 6th Sep 2018, pond in rocky knoll.
- +142/1.15. **Potamogeton berchtoldii** (Small Pondweed) (Dyfrllys Bach). Talerddig (West of), SN90 99, Gillian & Peter Foulkes, 9th Aug 2018, in small pond (man-made) at SN900999 but some distance from houses.
- +142/1.19. **Potamogeton crispus** (Curled Pondweed) (Dyfrllys Crych). LLyn Llwydiarth, SJ062 164, A.K.Thorne & G.Foulkes, 29th Jun 2018, central GR for pool; (+) Llanfechain, SJ18 20, A.K.Thorne, G.Foulkes & Montgomeryshire Flora Group, 2nd Oct 2018, in river.
- +148/1.1. **Spirodela polyrhiza** (Greater Duckweed) (Llinad Mawr). Montgomery Canal, Garthmyl, SO18 98, R.A.Dawes;S.Swindells, 11th Jul 2018, canal, near Bridge 134 Near Bridge 134; (+) Montgomery Canal, Garthmyl, SO19 99, R.A.Dawes;S.Swindells, 11th Jul 2018, canal, occasional.
- +151/2.2. **Luzula pilosa** (Hairy Wood-rush) (Coedfrwynen Flewog). Cwm Rhiweirth (Pen y Bryniau), SJ01 30, S.Swindells & R.A.Dawes, 31st Jul 2018, by boardwalk on moor; (+) Llangynog (Milltir Gerrig), SJ02 30, S.Swindells & R.A.Dawes, 31st Jul 2018, by moorland track.
- +152/05.1 **Scirpus sylvaticus** (Wood Club-rush) (Clwbfrwynen Bengron). Llandinam Gravels WS, SO020 875, A.K.Thorne, 2nd Jun 2018, large stand in old wet river meander alongside old railway line; (+) Llandinam Gravels WS, SO0210 8761, A.K.Thorne, 2nd Jun 2018, small stand in old wet river meander next to old railway line; (+) Llandinam Gravels WS, SO0212 8763, A.K.Thorne, 2nd Jun 2018, small stand in old wet river meander alongside old railway line.
- +152/16.07. **Carex spicata** (Spiked Sedge) (Hesgen Ysbigog Borffor). Dinas N (Clywedog), SN90 89, Peter Foulkes, John Clayfield, John Thorne & Sheila Turner, 20th Jun 2018; (+) Bryn-Adda (W of Vrynwy), SH99 18, J.Clayfield & Montgomeryshire Flora Group, 13th Sep 2018, lane-side verge/hedgerow.
- +152/16.18. **Carex dioica** (Dioecious Sedge) (Hesgen Ysgar). Llyn y Bugail (S of), SJ0047 0472, A.K. & W.I.J. Thorne, 2nd Aug 2018, small stand along tiny stream valley south of lake with Car hos and its hybrid.
- +152/16.44×46.b. **Carex hostiana** × **C. demissa**. Blaen-y-Cwm (Pennant Melangell), SJ01 27, A.K.Thorne & Montgomeryshire Field Group, 3rd Sep 2018.
- +152/16.46.a. **Carex lepidocarpa** (Long-stalked Yellow-sedge). Gwerni Gleision (Dyfnant), SJ006 177, A.K.Thorne & Montgomeryshire Flora Group, conf. Chater, Mr A.O, 13th Sep 2018, SJ006177 track through conifer plantation.
- +152/16.47. **Carex pallescens** (Pale Sedge) (Hesgen Welw). Dernol (Blaen-y-cwm), SN89 76, A.K.Thorne, D. & C. Milborrow, 19th Jun 2018, grassy track/pasture.
- +152/16.51. **Carex caryophylla** (Spring-sedge) (Hesgen Gynnar). Afon Dillw (Elan watershed), SN84 75, Gillian & Peter Foulkes, 16th May 2018; (+) Afon Dillw (Elan watershed), SN84 76, Gillian & Peter Foulkes, 16th May 2018; (+) Cors Llwyd, SN85 75, Gillian & Peter Foulkes, 16th May 2018, hillside N of Afon Ystwyth.

- +152/16.65. **Carex acuta** (Slender Tufted-sedge) (Hesgen Tywysennau Main [ennau main/meinion]). River Severn - Welshpool to Edgerley, SJ27888 13770, D.Wrench, 3rd Jun 2016, record received 2019, held by BIS, originated from iRecord Download.
- +152/3.1. **Eleocharis palustris** (Common Spike-rush) (Ysbigfrwynen). Eisteddfa Gurig, SN80434 84382, Gillian & Peter Foulkes, 8th Jun 2018, at W end of muddy (dried-up) area 5 x 5m patch with a smaller patch close-by.
- +152/3.4. **Eleocharis multicaulis** (Many-stalked Spike-rush) (Ysbigfrwynen Gadeiriog). Aber-Bidno (Llangurig), SN89 80, G.Foulkes & Montgomeryshire Flora Group, 19th Jun 2018.
- +152/3.5. **Eleocharis quinqueflora** (Few-flowered Spike-rush) (Ysbigfrwynen Goch). Llyn y Bugail (S of), SJ0046 0475, A.K. & W.I.J. Thorne, 2nd Aug 2018, along tiny stream valley south of lake with Car hos and Car dio.
- +152/9.1. **Eleogiton fluitans** (Floating Club-rush) (Clwbfrwynen Arnofiol). Llyn Newydd, SJ018 058, A.K.Thorne & Montgomeryshire Flora Group, 7th Aug 2018, in quantity on N and E sides of Llyn Newydd and in wet ground around it so central GR for lake given.
- +153/12.02. **Schedonorus arundinaceus** (Tall Fescue) (Peiswellt Tal). Aberangell (North West of), SH83 10, G.Foulkes, 2nd Jul 2018.
- +153/14.2. **Vulpia bromoides** (Squirreltail Fescue) (Peisgwellt Cynffon Gwiwer). Dernol, SN91 74, A.K.Thorne, D. & C. Milborrow, 19th Jun 2018, road verge.
- +153/18.04. **Poa humilis** (Spreading Meadow-grass) (Gweunwellt Ymledol). S of Llangurig, SN91 77, A.K. & W.I.J. Thorne, 8th Jun 2018, lane-side bank/hedgerow; (+) Clatter, SO00 94, A.K.Thorne & G.Foulkes, 17th May 2018, trackside and woodland near river; (+) Clatter, SO00 95, A.K.Thorne & Montgomeryshire Flora Group, 17th May 2018; (+) Clatter (Ffridd Isaf), SO01 94, A.K.Thorne & G.Foulkes, 17th May 2018, steep pasture.
- +153/24.3. **Glyceria declinata** (Small Sweet-grass) (Melyswellt Llwydlas). Afon Dillw (Elan watershed), SN84 77, A.K. & W.I.J. Thorne, 18th Oct 2018, in tiny pool.
- +153/25.1. **Melica nutans** (Mountain Melick) (Meligwellt Pendrwm). Coed Brynmelyn (Glasppwl), SN743 985, M.Lawley, 24th Sep 2018, a patch.
- +153/25.2. **Melica uniflora** (Wood Melick) (Meligwellt y Coed). A489 road verge, SH79 03, Gillian & Peter Foulkes, 13th May 2018.
- +‡153/28.5.© **Avena sativa** (Oat) (Ceirchen). Bryn Coch (Llanfechain), SJ209 194, S.Swindells, 1st Jul 2018, 3 plants on trackside bank.
- +‡153/39.2. **Agrostis gigantea** (Black Bent) (Maeswellt Mawr). Clywedog, SN89 91, Gillian & Peter Foulkes, 27th Jun 2018.
- +153/56.1.a.ari. **Elytrigia repens subsp. repens var. aristata**. Gwerni Gleision (Dyfnant), SJ00 17, A.K.Thorne & Montgomeryshire Flora Group, 13th Sep 2018, road verge/bank.
- +159/05.03. **Iris pseudacorus** (Yellow Iris) (Gellesgen). Pant-gwyn Hill (Llangurig), SN89 78, Peter Foulkes, John Clayfield & Sheila Turner, 19th Jun 2018.
- 162/02.2. **Cephalanthera longifolia** (Narrow-leaved Helleborine) (Y Galdrist Gulddail). Kerry (nr Windy Hall), SO153 879, J.Clayfield, 1st May 2018, several

groups of spikes in central area of wood nr footpath, One plant at north end of wood  
. 30 flowering spikes. 2nd Well's site for county

MERIONETH, v.c.48 (comm. S. Stille)

- ♠+005/1.1. **Ophioglossum vulgatum** (Adder's-tongue) (Tafod y Neidr). Llyn Morwynnion, SH729 419, T.Knight, 15th Jun 2018.
- ♠+005/2.1. **Botrychium lunaria** (Moonwort) (Lloer-redynen). Moel Fferna, SJ124 397, P.Day, 8th May 2018.
- 015/2.3. **Asplenium obovatum** (Lanceolate Spleenwort) (Duegredynen Hirgul). Cliffs, Portmeirion, SH58 36, Iwan Williams & Cymdeithas Edward Llwyd, 16th Sep 2018, 2nd update since 2000; Portmeirion Marshes, SH68 37, C.M.Lovatt & Caerdeon Group, 22nd Jul 2018, 1st hectad update since 2000 for this Rare taxon.
- +‡043/1.04. **Chenopodium bonus-henricus** (Good-King-Henry) (Llysiâu'r Gwrda). Trawscoed, SH846 326, A.N. & J.E. Graham, 1st Sep 2018.
- \*043/3.02×04. **Atriplex prostrata** × **A. longipes** = **A. ×gustafssoniana** (Kattegat Orache) (Llygwyn Kattegat). Ynys, SH601 354, I. & J. Rees, conf. John Akeroyd, 31st Aug 2018.
- \*043/3.04. **Atriplex longipes** (Long-stalked Orache) (Llygwyn Hirgoes). Ynys, SH601 354, I. & J. Rees, conf. John Akeroyd, 31st Aug 2018.
- ♠+043/3.10. **Atriplex portulacoides** (Sea-purslane) (Llygwyn Llwydwyd). Dysynni Estuary, SH56 03, M.Duffell & J.Handley, 19th May 2018, low-lying vegetation.
- ♠+046/01.1.c.‡ **Arenaria leptoclados** (Slender Sandwort). Morfa Dyffryn, SH56 23, M.Duffell & J.Handley, 20th May 2018, 1st hectad record for this RPR taxon (in both H5623 and SH5722).
- ♠+046/10.8. **Sagina maritima** (Sea Pearlwort) (Corwlyddyn Arfor). Tywyn South, SN58 99, C.M.Lovatt & J.M.Langton, 21st Jul 2018.
- +‡047/1.02. **Persicaria campanulata** (Lesser Knotweed) (Y Ganwraidd Fach). Hafod y Llyn, SH54X, J.Clark & Meirionnydd Nats, 25th Oct 2018, new hectad record for this RPR taxon.
- ♠+056/2.1. **Helianthemum nummularium** (Common Rock-rose) (Cor-rosyn Cyffredin). New Precipice Walk, SH705 201, D. & E. Elias, 3rd Jun 2018.
- +‡062/42.1.a. **Raphanus raphanistrum subsp. raphanistrum** (Wild Radish) (Rhuddygl Gwyllt). Trawscoed, SH846 326, A.N. & J.E. Graham, 1st Sep 2018.
- +‡075/13.3.© **Geum macrophyllum** (Large-leaved Avens) (Mapgoll Fawr)). Upper Afon Melau, SH72W, S.E.Stille & Caerdeon group, 20th Jul 2018, well-established and spreading: new hectad and 2nd VC record.
- ♠+075/19.10.b. **Alchemilla filicaulis subsp. vestita** (Mantell-Fair Flewog). Hendreforion, Clogau, SH663 203, M.W.Rand & Caerdeon Group, 22nd Jul 2018.
- ♠+075/21.13.a. **Rosa caesia subsp. caesia** (Hairy Dog-rose) (Rhosyn Rhuddlas). Trawscoed, Bryn Barcut, SH830 327, A.N. & J.E. Graham, conf. G.M.Kay, 26th Jun 2018.

- \*‡075/32.10. **Cotoneaster salicifolius** (Willow-leaved Cotoneaster) (Cotoneaster Dail Helyg). Llan Ffestiniog SE, SH74A, S.E.Stille & Meirionnydd Nats, 22nd Nov 2018.
- ⊕+077/25.4. **Genista anglica** (Petty Whin) (Cracheithinen). Dduallt Station, SH679 421, J.J.A.Hughes, 15th May 2018, a population of a dozen or so plants.
- ⊕+103/2.4. **Erodium lebelii** (Sticky Stork's-bill) (Pig-y-crêyr Ludiog). Tywyn South, SN59Z, C.M.Lovatt & J.M.Langton, 21st Jul 2018.
- \*‡116/04.6. **Symphytum orientale** (White Comfrey) (Cyfardwf Wen). Llangelynen, SH57 07, C.M.Lovatt & Caerdeon Group, 21st Jul 2017.
- +‡124/03.1. **Phygelius capensis** (Cape Figwort) (Gwrnerth y Penrhyn). Blaenau, SH72W, S.E.Stille & Caerdeon group, det. Martin Rand, 20th Jul 2018.
- ⊕+124/20.03.mon **Euphrasia officinalis subsp. monticola**. Hafod Feredydd, SH78 21, S.E.Stille & Caerdeon group, det. M.W.Rand, 20th Jul 2018; (⊕+) Upper Afon Melau, SH72W, S.E.Stille & Caerdeon group, det. M.W.Rand, 20th Jul 2018.
- ⊕+124/20.18×19. **Euphrasia ×electa (E. micrantha × E. scottica)**. Sweeter, unimproved grassland near Galium boreale, Llyn Dubach, SH763 386, G.Elias, det. A.O.Chater, 14th Aug 2018, new hectad record and 2nd VC record for this hybrid.
- +‡125/1.2. **Lathraea clandestina** (Purple Toothwort) (Deintlys Porffor). Abercorris, SH756 078, D. & M. Elias, May 2018.
- ⊕+130/6.07.‡ **Galium album** (Hedge Bedstraw) (Briwydd y Clawdd). Peniarth, SH601 054, H.M.Garrett & Meirionnydd Nats, det. Andrew Graham, 22nd Feb 2018.
- +135/02.1. **Carlina vulgaris** (Carline Thistle) (Ysgallen Siarl). New Precipice Walk, SH705 201, D. & E. Elias, 3rd Jun 2018.
- ⊕+135/05.1. **Carduus tenuiflorus** (Slender Thistle) (Ysgallen Flodfain). Morfa Dyffryn, SH56 23, M.Duffell & J.Handley, 20th May 2018, in both SH5623 and SH5722.
- ⊕+135/11.deb. **Centaurea debeauxii** (Slender Knapweed). Clogau Mine, SH673 202, M.W.Rand & Caerdeon Group, 22nd Jul 2018; (⊕+) Cwm-llechan, SH673 212, M.W.Rand & Caerdeon Group, 22nd Jul 2018.
- +‡135/12.1. **Cichorium intybus** (Chicory) (Ysgellog). Syrrior, SJ03A, S.E.Stille & H.M.Guyon, 20th Aug 2018.
- 135/31.1. **Antennaria dioica** (Mountain Everlasting) (Edafeddog y Mynydd). Rhobell Fawr, SH793 256, Barbara Brown, 3rd Jun 2018, new site and hectad update for this Rare taxon.
- ⊕+‡135/59.1. **Matricaria chamomilla** (Scented Mayweed) (Amranwen Bêr). Dinas Mawddwy, SH81S, C.M.Lovatt & Caerdeon Group, 20th Jul 2018.
- ⊕+143/1.1. **Ruppia maritima** (Beaked Tasselweed) (Tusw Arfor). Dyfi Junction SSSI, SN60 54, K.Thorne & Dyfi Saltmarsh Group, 6th Sep 2018.
- +‡147/5.2. **Arum italicum** (Italian Lords-and-Ladies) (Pidyn-y-gog Eidalaid). SE of Llan Ffestiniog, SH74A, S.E.Stille & Meirionnydd Nats, 22nd Nov 2018.
- ⊕+152/11.1. **Cyperus longus** (Galingale) (Ysnoden Fair). Portmeirion, SH58 37, F.Anstey, 10th Jul 2018.
- ⊕+152/16.41. **Carex distans** (Distant Sedge) (Hesgen Blodau Pell). Dyfi Estuary, Ynys Crossing, SN68 97, C.M.Lovatt & Caerdeon Group, 23rd Jul 2018; (⊕+) Dyfi

- Junction SSSI, SN695 985, K.Thorne & Dyfi Saltmarsh Group, 7th Sep 2018, one plant; (♣+) Dysynni Estuary, SH566 030, M.Duffell & J.Handley, 19th May 2018.
- ♣+152/16.57. **Carex limosa** (Bog-sedge) (Hesgen Eurwerdd). Cefn Brith, SH9214 1555, G. & P. Foulkes, 11th Jul 2018, a 2 x 8m stand in Sphagnum with *C. magellanica*, *E. angustifolium*, *C. nigra*, *C. palustre* and *M. trifoliata* in valley mire very close to VC47 border.
- ♣+152/16.59. **Carex magellanica** (Tall Bog-sedge) (Hesgen Eurwerdd Lefn). Cefn Brith, SH921 155, G. & P. Foulkes, 11th Jul 2018.
- +153/24.1. **Glyceria maxima** (Reed Sweet-grass) (Melyswellt y Gamlas). Upper Afon Melau, SH72W, S.E.Stille & Caerdeon group, 20th Jul 2018.
- 158/24.16. **Allium vineale** (Wild Onion) (Nionyn Gwyllt). Portmeirion Marshes, SH68 37, C.M.Lovatt & Caerdeon Group, 22nd Jul 2018, 1st hectad record since 1970 for this Scarce taxon.
- \*©020A./SEQ.sem. **Sequoia sempervirens** (Coastal Redwood) (Cochwydden California). Caeceinach, SN69U, S.E.Stille & Caerdeon group, 23rd Jul 2018.

CAERNARFON, v.c.49 (comm. W. McCarthy)

- +‡002/1.2. **Selaginella kraussiana** (Krauss's Clubmoss) (Cnwp-fwsogl Krauss). Lawns in botanic garden, Treborth, Bangor, SH55 71, W.McCarthy, M.Roberts & D.Evans, Jan 2018.
- ⊗006/1.1. **Osmunda regalis** (Royal Fern) (Rhedynen Gyfrdwy). Wet heath, Mynydd Cilan, Abersoch, SH29 24, J.J.Day, 11th Aug 2016, 1st record in hectad for at least 50 years.
- +‡019/1.1. **Azolla filiculoides** (Water Fern) (Rhedynen y Dŵr). Small colony in wet mire, Tudweiliog, SH25 37, J.J.Day, 1st Aug 2016.
- +‡020/4.1. **Picea sitchensis** (Sitka Spruce) (Sbriwsen Sitca). Side of cycle track, Llanfaglan, SH47 60, W.McCarthy, M.Roberts & L.Ball, 13th Apr 2018.
- +‡021/2.1.© **Chamaecyparis lawsoniana** (Lawson's Cypress) (Cypreswydden Lawson). Side of cycle track, Llanfaglan, SH47 60, W.McCarthy, M.Roberts & L.Ball, 13th Apr 2018.
- +‡028/09.hup×vit. **Anemone ×hybrida (A. hupehensis × A. vitifolia)** (Japanese Anemone) (Blodyn-y-gwynt Japaneaidd). Pavement edge near houses, Bethesda, SH62 66, W.McCarthy & M.Roberts, 2nd Nov 2018.
- +031/5.01. **Fumaria capreolata** (White Ramping-fumitory) (Mwg-y-ddaeear Gwyn). Bank by cycle track, Caernarfon, SH48 64, W.McCarthy & M.Roberts, 2nd May 2018.
- +031/5.03. **Fumaria bastardii** (Tall Ramping-fumitory) (Mwg-y-ddaeear Grymus). Field edge, Nantlle, SH51 53, Mari Roberts, 9th Oct 2018.
- +031/5.03.hib. **Fumaria bastardii var. hibernica**. Sandy bank near cottage, Boduan, SH32 37, Caerns. Recording group, 18th May 2018.
- +‡040/2.2. **Alnus incana** (Grey Alder) (Gwernen Lwyd). Small plantation at field edge, Conwy, SH75 76, W.McCarthy, 17th Jul 2018.

- +040/3.1.‡ **Carpinus betulus** (Hornbeam) (Oestrwydden). Hedgebank in lane, Boduan, SH32 37, Caerns. Recording group, 18th May 2018.
- +‡043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-ŵydd Dail Ffigys). Waste ground, Ty Mawr, Bryn croes, SH21 31, J.J.Day, 31st Jul 2016.
- +043/3.02×06. **Atriplex ×hulmeana**. Sand dune, Pwllheli, SH38 34, I.Rees, 8th Sep 2018, a single plant with leaf shapes & small acutely-pointed bracteoles to fit the hybrid between *A. littoralis* & *A. prostrata*.
- +045/3.1.d. **Montia fontana subsp. chondrosperma**. Grassy centre of lane, Boduan, SH32 36, Caerns. Recording group, 18th May 2018, seeds checked.
- +‡047/3.1. **Fagopyrum esculentum** (Buckwheat) (Gwenith yr Hydd). Waste ground, Ffynnon, SH24 29, J.J.Day, 11th Aug 2016.
- \*‡047/8.02. **Rumex scutatus** (French Sorrel) (Suran Ffrainc). Pavement cracks & wall base, Rhiw, SH22 28, W.McCarthy, D.P.Earl, et al, 22nd Jul 2017, recorded during BSBI Rubus meeting 2017.
- +‡061/2.09. **Salix viminalis** (Osier) (Helygen Wiail). Pond edge, Morfa Nefyn, SH29 40, W.McCarthy & M.Roberts, 10th Jun 2018.
- +061/2.9×11. **Salix ×smithiana**. Near hedge on limestone grassland, Nant y Gamar, Llandudno, SH80 81, W.McCarthy, 1st Oct 2018.
- +062/12.3. **Rorippa islandica** (Northern Yellow-cress) (Berwr Melyn Gogleddol). Waste ground, Capel y Graig, SH54 69, W.McCarthy & M.Roberts, 30th Jul 2018.
- +‡062/14.4. **Cardamine raphanifolia** (Greater Cuckooflower) (Blodyn Llefrith Mawr). Stream in woodland, Nantlle, SH50 52, W.McCarthy & M.Roberts, 22nd May 2018, first reported by G. Pierson as mystery plant in private woodland.
- +062/34.5.‡ **Brassica nigra** (Black Mustard) (Mwstard Du). Waste ground, Porth Dinllaen, SH27 40, J.J.Day, 5th Aug 2016.
- +069/1.3. **Primula veris** (Cowslip) (Briallen Fair). Amenity grassland, Pwllheli, SH37 34, M. Roberts, 2nd May 2018.
- +073/5.11. **Sedum forsterianum** (Rock Stonecrop) (Briweg Gymreig). Roadside wall, Betws Garmon, SH54 56, W.McCarthy & M.Roberts, 8th Jun 2019.
- +075/08.03.090. **Rubus amplificatus**. Shaded woodland, Ysbyty Ifan, SH82 52, W.McCarthy, 10th Jul 2018.
- +075/08.03.106. **Rubus incurvatus**. Hedge bank, Maenan, SH80 66, W.McCarthy, 18th Jul 2018.
- +‡075/08.05.134. **Rubus armeniacus**. Waste ground near footpath, Bethesda, SH62 67, W.McCarthy, 2nd Nov 2018; (+) river bank, Llanrwst, SH79 62, W.McCarthy, 12th Sep 2018.
- +075/08.05.142. **Rubus ulmifolius**. Hedge bank, Maenan, SH80 66, W.McCarthy, 18th Jul 2018.
- +075/08.08.185. **Rubus griffithianus**. Hedge bank, Maenan, SH80 66, W.McCarthy, 18th Jul 2018.
- +075/09.14. **Potentilla anglica** (Trailing Tormentil) (Pumnalen Orweddol). Grassland, Llandudno, SH81 82, W.McCarthy, 22nd Sep 2018.
- +075/09.14×15. **Potentilla ×mixta** (Hybrid Cinquefoil) (Pumnalen Groesryw). Grass bank, Bethesda, SH62 67, W.McCarthy & M.Roberts, 2nd Nov 2018.

- +‡075/17.3.b. **Poterium sanguisorba subsp. balearicum** (Fodder Burnet) (Bwrned Ebran). Amenity grassland, Pwllheli, SH37 34, M. Roberts, 2nd May 2018.
- +‡075/21.05.06. **Rosa rugosa** (Japanese Rose) (Rhosyn Japan). Sandy shingle beach, Penrhyn Bay, SH82 81, W.McCarthy, 23rd Jul 2018.
- +‡075/22.03. **Prunus cerasifera** (Cherry Plum) (Coeden Goeg-geirios). Side of cycle track, Llanfaglan, SH47 60, W.McCarthy, M.Roberts & L.Ball, 13th Apr 2018.
- +‡075/22.13. **Prunus lusitanica** (Portugal Laurel) (Coeden Lawrgeirios Portiwgal). Pen yr Allt, Rhiw, SH24 28, J.J.Day, 11th Aug 2016.
- +‡075/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster) (Cotoneaster Deilgrych Rehder). Heathland, Mynydd y Graig, Rhiw, SH22 27, J.J.Day, 9th Aug 2016, self sown.
- +‡075/32.39. **Cotoneaster franchetii** (Franchet's Cotoneaster) (Cotoneaster Franchet). By footpath near houses, Bethesda, SH62 66, W.McCarthy & M.Roberts, 2nd Nov 2018.
- +084/1.05. **Epilobium tetragonum** (Square-stalked Willowherb) (Helyglys Pedronglog). Waste ground, Pen yr Allt, Rhiw, SH24 28, J.J.Day, 11th Aug 2016.
- +084/1.07. **Epilobium roseum** (Pale Willowherb) (Helyglys Gwelw). Wall base in village, Tregarth, SH60 67, W.McCarthy, M.Roberts & L.Ball, 12th Sep 2018.
- +‡084/5.1. **Fuchsia magellanica** (Fuchsia) (Ffiwsia). Castle surrounds, Criccieth, SH50 37, J.J.Day, 3rd Aug 2016.
- +102/1.03.cor.atr. **Oxalis corniculata var. atropurpurea**. Ty Mawr, Bryn croes, SH21 31, J.J.Day, 31st Jul 2016, 1st record in hectad for species for at least 50 years, and 1st for var. atropurpurea.
- +‡103/1.23. **Geranium phaeum** (Dusky Crane's-bill) (Gweddw Alarus). Lane bank, Bontnewydd, SH49 59, W.McCarthy, M.Roberts & L.Ball, 5th Apr 2018.
- +‡106/FAT.jap. **Fatsia japonica** (Fatsia) (Ffatsia). Under trees above riverbank, Betws y Coed, SH79 75, W.McCarthy, M.Roberts & L.Ball, 12th Sep 2018, presumed thrown out from nearby flowerbeds, evidence of discarded bedding plants nearby.
- +‡110/1.1.© **Nicandra physalodes** (Apple-of-Peru) (Afal Periw). Raised vegetable bed, Bangor, SH55 71, W.McCarthy & M.Roberts, 30th Jul 2018, three plants, origin unknown by gardener.
- \*‡117/1.bon. **Verbena bonariensis** (Argentinian Vervain) (Ferfain yr Ariannin). Wall base at roadside, Criccieth, SH50 38, S.Coleman, 21st Jul 2018, 1st record (a previous record was received but without date or site detail); (+) paving cracks, Penrhyn Bay, SH82 81, W.McCarthy, 23rd Jul 2018, 2nd record.
- +†118/05.1. **Lamium album** (White Dead-nettle) (Marddanhadlen Wen). Roadside verge, Llanfairfechan, SH67 73, E.Phenna, 26th Sep 2018.
- +‡118/05.2. **Lamium maculatum** (Spotted Dead-nettle) (Marddanhadlen Fraith). Grass bank by ruined cottage, Dolgarrog, SH75 68, W.McCarthy & M.Roberts, 27th Sep 2018.
- +‡124/16.20. **Veronica polita** (Grey Field-speedwell) (Rhwyddlwyn-y-maes Llwyd). Wall base by roadside, Betws y Coed, SH79 75, W.McCarthy, M.Roberts & L.Ball, 12th Sep 2018; (+) grass verge in lane, Pydew, SH80 79, W.McCarthy, 29th Oct 2018.

- +‡129/1.4. **Campanula persicifolia** (Peach-leaved Bellflower) (Clychlys Meinddail). In hedgebank, Llanfairfechan, SH67 73, E.Phenna, 26th Sep 2018.
- +130/7.1. **Cruciata laevipes** (Crosswort) (Llysiâu'r Groes). Hedgebank in lane, Dolgarrog, SH75 68, W.McCarthy & M.Roberts, 12th Jun 2018.
- +131/6.4.‡ **Lonicera xylosteum** (Fly Honeysuckle) (Gwyddfïd Syth). Path beside stream in lane, Llanfairfechan, SH67 73, E.Phenna, 21st May 2018.
- +134/1.1. **Dipsacus fullonum** (Wild Teasel) (Cribau'r-pannwr Gwyllt). Churchyard, Aberdaron, SH17 26, W.McCarthy & M.Roberts, 23rd May 2018.
- +‡135/12.1. **Cichorium intybus** (Chicory) (Ysgello). Disturbed bank above the sea, Penrhyn Bay, SH82 82, W.McCarthy, 23rd Jul 2018.
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane) (Amrhydylwyd Canada). Pavement edge near library, Bangor, SH58 72, Mari Roberts, 6th Aug 2018.
- +‡135/62.03.© **Senecio inaequidens** (Narrow-leaved Ragwort) (Creulys Gulddail). Roadside bank, Bangor, SH54 68, Mari Roberts, 30th Jul 2018.
- ⊗135/81.1. **Bidens cernua** (Nodding Bur-marigold) (Graban Gogwydd). Wet heath, Mynydd Cilan, Abersoch, SH29 24, J.J.Day, 11th Aug 2016, 1st record for hectad for at least 50 years.
- +‡138/4.1. **Elodea canadensis** (Canadian Waterweed) (Ffugalaw Canada). Lake edge, Llyn Anafon, Carneddau, SH69 69, W.McCarthy, D.Evans & M.Roberts, 7th Aug 2018.
- +146/1.1. **Zostera marina** (Eelgrass) (Gwellt y Gamlas). Washed up in cove, Porth Ysgaden, SH21 37, J.J.Day, 8th Aug 2016; (+) frequent along strandline, Porth Nefyn, SH30 40, J.J.Day, 8th Aug 2016.
- +‡147/5.2.b. **Arum italicum subsp. italicum**. Side of cycle track, Llanfaglan, SH47 60, W.McCarthy, M.Roberts & L.Ball, 13th Apr 2018.
- +‡148/2.4. **Lemna minuta** (Least Duckweed) (Llinad Bach). Heathland pools, Mynydd Cilan, Abersoch, SH29 24, J.J.Day, 11th Aug 2016; (+) wet pasture with pond, Tudweiliog, SH25 37, J.J.Day, 1st Aug 2016; (+) ditches, Cors Wyllt, Edern, SH27 38, W.McCarthy & M.Roberts, 10th Jun 2018.
- +‡151/1.02. **Juncus tenuis** (Slender Rush) (Brwynen Fain). Ffynnon, SH24 29, J.J.Day, 11th Aug 2016.
- +153/11.1. **Milium effusum** (Wood Millet) (Miledwellt y Coed). Ffynnon, SH24 29, J.J.Day, 11th Aug 2016.
- +‡153/14.3. **Vulpia myuros** (Rat's-tail Fescue) (Peisgwelwt y Fagwyr). Pavement edges, Nefyn, SH31 40, W.McCarthy & M.Roberts, 10th Jun 2018.
- +153/18.09. **Poa compressa** (Flattened Meadow-grass) (Gweunwellt Cywasgedig). Mynydd Cilan, Abersoch, SH29 24, J.J.Day, 11th Aug 2016; (+) wall, Tudweiliog, SH25 37, J.J.Day, 31st Jul 2016.
- +153/24.1. **Glyceria maxima** (Reed Sweet-grass) (Melyswelwt y Gamlas). Ty Mawr, Bryncroes, SH21 31, J.J.Day, 31st Jul 2016.
- +‡153/38.3. **Phalaris canariensis** (Canary-grass) (Pefrwellt yr Adar). Roadside, Caeathro, SH49 61, Mari Roberts, 26th Sep 2018.
- +153/41.1. **Ammophila arenaria** (Marram) (Môr-hesgen). Sandy shingle beach, Penrhyn Bay, SH82 81, W.McCarthy, 23rd Jul 2018.

- +‡158/23.2. **Muscari armeniacum** (Garden Grape-hyacinth) (Clychau Dulas yr Ardd). Side of cycle track, Llanfaglan, SH47 60, W.McCarthy, M.Roberts & L.Ball, 13th Apr 2018.
- +‡159/02.5. **Sisyrinchium striatum** (Pale Yellow-eyed-grass) (Sisirinciwm Melyn Mawr). Lane bank, Bryn Pydew, SH81 79, D.A.Evans, 17th Jun 2018, 2nd v.c. record.
- +159/05.03. **Iris pseudacorus** (Yellow Iris) (Gellesgen). Wet field corner, Penmachno, SH81 52, W.McCarthy, 10th Jul 2018.
- +‡159/13.1. **Crocossmia paniculata** (Aunt-Eliza) (Modryb Leusa). Grass bank near houses, Bethesda, SH62 66, W.McCarthy & M.Roberts, 2nd Nov 2018.
- +162/03.4. **Epipactis helleborine** (Broad-leaved Helleborine) (Y Galdrist Lydanddail). By track in woodland, Llanrhos, SH80 80, W.McCarthy, 25th Jul 2018

DENBIGH, v.c.50 (comm. D. Williams)

- +001/3.1. **Lycopodium clavatum** (Stag's-horn Clubmoss) (Cnwp-fwsogl Corn Carw). Nant-y-Dramwys Wood West, SJ1673 3913, M.O.Stead, 6th Oct 2018, 8 plants, east side of track, 12 cones.
- +005/1.1. **Ophioglossum vulgatum** (Adder's-tongue) (Tafod y Neidr). Maeshafn South, SJ20485 60426, M.O.Stead, 21st May 2018, 1 leaf in field south of pond.
- +016/4.1. **Gymnocarpium dryopteris** (Oak Fern) (Rhedyenen Dridarn). Henfryn, SH9964 6090, Denbs Group, 24th Jun 2018, shaded lane. Up to 1m above lane to 10m along lane on south bank. Abundant.
- +017/3.03b. **Dryopteris cambrensis**. Moel Unben, SH9113 6741, D.Williams, 19th Jul 2018, single plant. Basal pinnules completely covering rachis. north side of track to farm.
- +‡020/1.3.© **Abies procera** (Noble Fir) (Ffynidwydden Urddasol). Mynydd Garthmyn East, SH8128 5658, Denbs Group, 15th Jul 2018, laneside near houses, 2 mature trees.
- +‡020/7.3.© **Pinus contorta** (Lodgepole Pine) (Pinwydden Gamfrig). Gosen, SH82 66, N.J. & S.K. Osley, 20th Feb 2018, a few planted on roadside banks; (+) Nant-y-Dramwys Wood West, SJ16 38, M.O.Stead, 5th Oct 2018.
- \*‡020/7.5.© **Pinus radiata** (Monterey Pine) (Pinwydden Monterey). Tal-y-cafn, SH7930 7164, Denbs Group (D.Williams), det. D.Williams, 9th Aug 2018, up to 10 large trees at road junction. Part of Bodnant Estate.
- +‡020/7.mug. **Pinus mugo** (Dwarf Mountain-pine) (Pinwydden y Mynydd). Coed Diffwys, SJ03 57, D.Williams & M.O.Stead, 1st Apr 2018, planted extensively along track and escarpment.
- +028/03.1. **Helleborus foetidus** (Stinking Hellebore) (Crafanc-yr-arth Ddrewllyd). Tal-y-cafn, SH79 71, Denbs Group, 9th Aug 2018, laneside hedgebanks.
- +‡039/2.2. **Nothofagus alpina** (Rauli) (Ffawydden Ddeheuol Rauli). Bryn Dinas, SJ170 249, S.Swindells, 29th May 2018, 1 mature tree on edge of laneside woodland.

- +‡039/4.7. **Quercus rubra** (Red Oak) (Derwen Goch). St. George West, SH9669 7598, Denbs Group, 10th Jun 2018, Fardre Hill. Mature tree edge of woodland; (+) Llandegla Forest, SJ22 50, M.O.Stead, 21st Jun 2018.
- \*‡040/2.rub. **Alnus rubra** (Red Alder) (Gwernen Goch). Coed Sara, SH83 66, N.J. & S.K. Osley, det. D.Williams, 3rd Jun 2018, at least two small trees in Coed Sara: Narrow incurved margins to leaves: this year's twigs red: last year's glabrous, **Hb D.W.**
- +‡043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-ŵydd Dail Ffigys). Bryn-gwian, SH82 67, Denbs Group, det. D.Williams, 29th Jul 2018, roadside; (+) Rhyd-Eden, SH9099 6620, D.Williams, 19th Jul 2018, roadside hedgebanks. A few plants on north side of road.
- \*043/3.02×04. **Atriplex ×gustafssoniana** (Kattegat Orache) (Llygwyn Kattegat). Rhydycroesau, SJ2398 3072, S.Swindells & R.A.Dawes, conf. J.Akeroyd 19th Sep 2018, 28th Aug 2018, more than two plants on salt dump, south side of minor road near Rhydycroesau.
- +043/3.06. **Atriplex littoralis** (Grass-leaved Orache) (Llygwyn Arfor). Coed Maesmynan North, SJ124 733, D.Williams, 31st Aug 2018, track.
- +043/4.1.a. **Beta vulgaris subsp. maritima** (Sea Beet) (Betsen Arfor). Marine Lake, SJ00 80, M.O.Stead, 8th Nov 2018.
- +046/05.3. **Stellaria pallida** (Lesser Chickweed) (Gwlyddyn-y-dom Bach). Chirk South, SJ2869 3780, M.O.Stead, 12th Apr 2018, grassed area of corner to industrial estate.
- +046/07.12. **Cerastium semidecandrum** (Little Mouse-ear) (Clust-y-llygoden Fach). Aran Fach, SJ172 258, S.Swindells, 5th May 2018, scattered and flowering on south-facing rocky hillside.
- +‡047/5.2. **Fallopia sachalinensis** (Giant Knotweed) (Y Glymog Fawr). King's Mills, SJ3423 4908, Tom Knight, 24th Jul 2018, Lewis Wood. Quite large stand over Badger sett.
- +047/8.13×19. **Rumex crispus × R. obtusifolius = R. ×pratensis**. Tal-y-cafn, SH7870 7176, Denbs Group, det. M.O.Stead, 9th Aug 2018, wet field adjacent to Afon Conwy; (+) Minera Quarry, SJ258 520, Denbs Group, det. M.O.Stead, 2nd Sep 2018, grassy slope.
- +052/1.1. **Tilia platyphyllos** (Large-leaved Lime) (Pisgwydden Dail Mawr). Ffynnon-las, SJ19 41, M.O.Stead, 9th Jun 2018.
- +057/1.11. **Viola lutea** (Mountain Pansy) (Trilliw y Mynydd). Moel Hen-fache, SJ10 28, S.Swindells & R.A.Dawes, 24th Jun 2018, seven scattered flowering plants.
- +057/1.12.a. **Viola tricolor subsp. tricolor**. Tal-y-cafn, SH7878 7173, Denbs Group, 9th Aug 2018, a few flowering in sandy waste area next to pub. Coastal ecotype?
- +‡062/01.5. **Sisymbrium altissimum** (Tall Rocket) (Roced Dal). Nant Bryn Clwyd, SJ10 52, J.Palmer, 18th Jun 2018.
- +‡062/11.4. **Barbarea verna** (American Winter-cress) (Berwr-y-gaeaf cynnar). New Broughton, SJ3145 5150, Denbs Group, 29th Apr 2018, drained area to west of road. Single clump. Strong taste of watercress.
- +062/12.4. **Rorippa palustris** (Marsh Yellow-cress) (Berwr Melyn y Gors). Tal-y-cafn, SH7878 7173, Denbs Group, 9th Aug 2018, carpark and waste area next to pub.

- \*‡062/25.2. **Capsella rubella** (Pink Shepherd's-purse) (Pwrs-y-bugail Gwridog). Graigfechan, SJ1479 5414, D.Williams, det. M.O.Stead, 6th Apr 2018, along east side of lane at base of wall. Owner puts weedkiller here frequently. **Hb D.W.**
- +062/27.1. **Teesdalia nudicaulis** (Shepherd's Cress) (Berwr y Bugail). Aran Fach, SJ172 258, S.Swindells, 29th Apr 2018, abundant on south facing rocky hillside.
- +‡062/30.2. **Lepidium campestre** (Field Pepperwort) (Pupurlys y Maes). Rhyd-Eden, SH9099 6620, D.Williams, 19th Jul 2018, roadside hedgebanks. A few plants on north side of road.
- +062/42.1. **Raphanus raphanistrum** (Rhuddygl). Hafod Elwy, SH9324 5712, Denbs Group, det. D.Williams, 16th Sep 2018, disturbed soil by renovated verge north side of A543 road.
- +072/2.2. **Ribes spicatum** (Downy Currant) (Llwyn Cwrens Gwlanog). Helmydd, SH8344 6860, Jonathan D.Shanklin, 19th Nov 2018, former stone quarry by road.
- +074/05.15. **Saxifraga granulata** (Meadow Saxifrage) (Tormaen y Gweunydd). Gresford West, SJ3464 5495, J.B.Formstone, 24th May 2018, hundreds in Gresford Churchyard.
- ‡075/08.0.06. **Rubus parviflorus** (Thimbleberry) (Llwyn Mafon y Gorllewin). Gresford West, SJ340 546, J.B.Formstone, 24th May 2018, Pont y Capel, nr Gresford. Repeat of 1992 record.
- +‡075/08.0.09. **Rubus spectabilis** (Salmonberry) (Miaren Oren). Garth-obry North, SJ259 392, S.Swindells, 12th Jun 2018, at least 4 plants, some fruiting, in small quarry just off lane.
- +075/15.2. **Agrimonia procera** (Fragrant Agrimony) (Llysiâu'r-dryw Pêr). St. George, SH9724 7534, Denbs Group, 10th Jun 2018, large patch on west side of lane below quarry 'Keep Out' sign; (+) Cefn Du, SJ0482 5597, M.O.Stead, 26th Jun 2018, large patch, south-east corner of road verge by railings.
- +‡075/18.1. **Acaena novae-zelandiae** (Pirri-pirri-bur) (Pirri-pirri). Elorgarreg, SH9614 5382, M.O.Stead, 25th Oct 2018, west trackside short of T junction; (+) Bod Petryal, SJ0327 5186, M.O.Stead, det. D.Williams, 1st Aug 2018, upland forestry track. Large patch; (+) Nant-y-Dramwys Wood West, SJ1686 3879, M.O.Stead, det. D.Williams, 1st Aug 2018, upland forestry track. Large patch.
- +075/21.12×13. **Rosa caesia subsp. caesia** × **canina**. Bryneglwys, SJ149 476, M.O.Stead, det. G.M.Kay, 31st Aug 2018, hedge of layby.
- +075/21.12×13. **Rosa canina** × **R. caesia** = **R. ×dumalis**. Coed Maes-mynan North, SJ1212 7338, D.Williams, det. G.M.Kay, 31st Aug 2018, caravan site, in boundary hedge south side of gateway.
- +075/21.12×16. **Rosa canina** × **R. sherardii** = **R. ×rothschildii**. Minera Quarry, SJ2585 5213, Denbs Group, det. G.M.Kay, 2nd Sep 2018, grassy area.
- +075/21.13b×12. **Rosa caesia subsp. vosagiaca** × **R. canina**. Minera Quarry, SJ2583 5214, Denbs Group, det. G.M.Kay, 2nd Sep 2018, grassy area.
- \*‡075/25.jap. **Chaenomeles japonica** (Japanese Quince) (Coeden Gwins Japan). Coed Bryndansi, SH8551 7385, B.A.Allen, 20th Apr 2018, one bush at entrance to Forest track.
- +‡075/32.34. **Cotoneaster bullatus** (Hollyberry Cotoneaster) (Cotoneaster Deilgrych). Llanerch-yr-aur, SJ1491 2195, S.Swindells, det. J.Fryer, 7th Sep 2018, approx. 4m

- tall growing near edge of lane with hazel, alder, ash & opposite-leaved golden saxifrage.
- +‡080/1.1. **Gunnera tinctoria** (Giant-rhubarb) (Rheonllys Mawr). Tal-y-cafn, SH7991 7142, Denbs Group, 9th Aug 2018, proliferating in wild wooded area.
- \*084/1.06×08. **Epilobium obscurum** × **E. ciliatum** = **E. ×vicinum**. Pant-y-blaidd, SH9204 4954, Denbs Group (D.Williams), det. D.Williams, conf. A.O.Chater 18th Aug 2018, 12th Aug 2018, occasional along west side of lane. Large, bushy, reduced fertility.
- +‡084/4.5. **Oenothera stricta** (Fragrant Evening-primrose) (Melyn-yr-hwyr Pêr). Marchwiel, SJ3459 4752, Denbs Group, 23rd Sep 2018, verge by rectory. A few plants.
- +107/28.4. **Apium inundatum** (Lesser Marshwort) (Dyfrforonen Fach). Park Lane, SJ4222 3982, A.K.Thorne, det. R.G.Thorne, 26th May 2018, small stand in moderate-sized pool in pasture.
- +‡110/1.1. **Nicandra physalodes** (Apple-of-Peru) (Afal Periw). Llay Industrial Estate, SJ3241 5670, M.O.Stead, 27th Oct 2018, north west corner of factory entrance.
- +‡110/9.1. **Datura stramonium** (Thorn-apple) (Afal Dreiniog). Hafod Elwy, SH9324 5712, Denbs Group, 16th Sep 2018, single large plant in disturbed soil by renovated verge N side of A543; (+) Ruthin East, SJ1262 5848, R.Groves, det. D.Williams, 13th Aug 2018, disturbed ground after roadworks. Two large plants in flower and fruit; (+) Garth-obry North, SJ254 393, S.Swindells, 29th Aug 2018, Wern Tower. 1 plant flowering and fruiting in corner of maize field.
- \*©110/PET.axi×int. **Petunia ×hybrida** (Petunia) (Petwniâu). Cae Coch, SJ1447 5680, Denbs Group (D.Williams), det. D.Williams, 9th Sep 2018, corner of barley field with garden throw-outs, seeding.
- +‡116/09.1.© **Borago officinalis** (Borage) (Tafod yr Ych). Priddbwl, SJ1848 2680, Denbs Group, 8th Jul 2018, verges around house. Plants naturalised.
- \*‡117/1.bon. **Verbena bonariensis** (Argentinian Vervain) (Ferfain yr Ariannin). Wrexham Industrial Estate North, SJ3850 5051, Tom Knight, 16th Aug 2018, 1 plant. Habitat created in 2015, has not been seeded, it was created for Grizzled and Dingy Skipper butterflies. Vehicles/machinery could have brought in seeds.
- +118/23.2×3.‡ **Mentha aquatica** × **M spicata** = **M. ×piperita** (Peppermint) (Mintys Poeth). Mynydd Poeth, SH95 50, M.O.Stead, det. D.Williams, 21st Aug 2018.
- ☐+‡122/1.2×3 **Buddleja ×weyeriana** (Weyer's Butterfly-bush) (Coeden-fêl Weyer). Llanerch-yr-aur, SJ1490 2197, S.Swindells, 7th Sep 2018. A flowering shrub approx. 2m tall on hedgebank above ditch with grey willow, bramble and sneezewort. A property about 70m away. 2nd VC record.
- +‡124/08.2. **Chaenorhinum minus** (Small Toadflax) (Trwyn-y-llo Bach). Bwlch Hafod Einion, SH9614 5119, M.O.Stead, 6th Jul 2018, occasional along forest track.
- +124/13.3×4. **Linaria ×dominii** (**L. purpurea** × **L. repens**). Minera Quarry, SJ2548 5210, Denbs Group, det. G.M.Kay, 2nd Sep 2018, north side of wooden bridge.
- +‡124/16.20. **Veronica polita** (Grey Field-speedwell) (Rhwyddlwyn-y-maes Llwyd). Llantysilio, SJ1964 4321, M.O.Stead, 11th Aug 2018, below wall/car parking area off A5 road.

- +124/16.26.b. **Veronica spicata subsp. hybrida**. Bodoryn Bach West, SH9683 7603, D.Williams, 12th Jun 2018, grass verge N side of road W side of entry to quarry. 1 plant in flower.
- +124/20.01.a. **Euphrasia officinalis subsp. pratensis**. Coed Sara, SH836 666, Denbs Group, det. D.Williams, 29th Jul 2018, most likely - keys out well.
- +124/20.05. **Euphrasia arctica** (Arctic Eyebright) (Effros yr Arctig). Tal-y-cafn, SH789 716, Denbs Group, 9th Aug 2018, track to gate. Low flowering nodes.
- +124/20.05×07. **Euphrasia arctica** × **nemorosa**. Mynydd Garthmyn East, SH8111 5637, Denbs Group, det. C.Metherell, 15th Jul 2018, dry track entrance to farm.
- +124/20.07. **Euphrasia nemorosa** (Effros). Coed Maes-mynan, SJ121 728, D.Williams, 31st Aug 2018, track through woodland.
- +†135/35.1. **Inula helenium** (Elecampane) (Marchalan). Chirk South, SJ2868 3731, M.O.Stead, 16th Jul 2018, on concrete area on opposite side to towpath.
- +135/40.4. **Solidago gigantea** (Early Goldenrod) (Eurwialen Gynnar). Rhiwabon, SJ30 43, M.O.Stead, 25th Sep 2018.
- +‡135/74.1.© **Ambrosia artemisiifolia** (Ragweed) (Bratlys). Cae Coch, SJ1447 5680, Denbs Group, 9th Sep 2018, corner of barley field with garden throw-outs, seeding.
- +153/16.2. **Puccinellia distans** (Gwellt-y-morfa Atblygedig). Bwlch-y-beudy East, SH97 48, M.O.Stead, 27th Sep 2018.
- +153/23.1. **Parapholis strigosa** (Hard-grass) (Caledwellt y Morfa). Mynydd Poeth, SH9579 5094, M.O.Stead, 6th Jul 2018, roadside by entrance to forest.
- +153/26.1. **Avenula pubescens** (Downy Oat-grass) (Ceirchwellt Blewog). Nant-y-cerrig, SH82 69, Jonathan D.Shanklin, 21st Nov 2018.
- +‡153/46.2. **Polygogon viridis** (Water Bent) (Barfwellt y Dŵr). Ruthin East, SJ12 59, M.O.Stead, 21st Oct 2018, 4 Oaks Garden Centre, gravel by plant standing areas; (+) Rhewl, SJ1078 6052, M.O.Stead, 20th Oct 2018, gateway of No.7.
- +†153/47.6. **Alopecurus myosuroides** (Black-grass) (Cynffonwellt Du). Wrexham Industrial Estate, SJ38 49, Tom Knight, 23rd Jul 2018, a few plants in disturbed area. Brought in with deliveries to site?
- +153/58.1 **Hordelymus europaeus** (Wood Barley) (Heiddwellt y Coed)). Ruthin North West, SJ10440 59778, M.O.Stead, 20th Oct 2018, 5 x 2m patch between track and river under beech mixed woodland on limestone.
- \*‡153/70.pum. **Setaria pumila** (Yellow Bristle-grass) (Cibogwellt Melyn). Marford Hall, SJ36139 55723, M.O.Stead, 14th Sep 2018, east roadside verge just over railings. Large clump. Opposite houses. Bird-seed origin? **Hb D.W.**
- +158/24.16. **Allium vineale** (Wild Onion) (Nionyn Gwyllt). Aran Fach, SJ176 257, S.Swindells, 5th May 2018, abundant over 30m length on trackside hedgebank.
- +158/35.1.‡ **Ruscus aculeatus** (Butcher's-broom) (Celynnen Fair). Chirk Castle, SJ27 38, S.Swindells, 17th Feb 2018, Pleasureground Wood.
- \*‡159/02.3. **Sisyrinchium californicum** (Yellow-eyed-grass) (Sisirinciwm Melyn). St. George, SH9744 7575, Denbs Group (D.Williams), det. D.Williams, 10th Jun 2018, proliferating on unmade road by pub.
- +©020A/SQD.gig. **Sequoiadendron giganteum** (Wellingtonia) (Welingtoniâu). Chwibren, SH9312 6253, Denbs Group, 22nd Jul 2018, magnificent old tree in small area of parkland.

+‡024B/HOU.cor. **Houttuynia cordata**. Marchwiel, SJ3555 4778, Lowden, G, det. D. Williams, 24th Sep 2018, north side of main A525 overgrowing front garden of old cottages

FLINT, v.c.51 (comm. G. Quartly-Bishop)

\*043/3.03×04. **Atriplex ×taschereaui** (Taschereau's Orache) (Llygwyn Taschereau). Point of Ayr, SJ13 84, Jonathan Shanklin, 25th Sep 2018, under-recorded genus in Flints.

+043/6.2. **Salicornia ramosissima** (Purple Glasswort) (Llyrllys Porffor). Gronant Dunes, SJ09 84, Jonathan Shanklin, 24th Sep 2018; (+) Point of Ayr, SJ12 84, Jonathan Shanklin, 24th Sep 2018.

+043/6.7. **Salicornia dolichostachya** (Long-spiked Glasswort) (Llyrllys Canghennog). Gronant Dunes, SJ09 84, Jonathan Shanklin, 24th Sep 2018, rare in Flints; (+) Point of Ayr, SJ12 84, Jonathan Shanklin, 24th Sep 2018, rare in Flints.

⊗046/10.8. **Sagina maritima** (Sea Pearlwort) (Corwlyddyn Arfor). A55 Pantasaph, SJ16 75, Jonathan Shanklin, 4th Jun 2018.

+046/17.3. **Spergularia marina** (Lesser Sea-spurrey) (Troellig Arfor Bach). Caerwys, SJ12 73, Jonathan Shanklin, 24th Jul 2018; (+) Mynydd Du, SJ22 57, Jonathan Shanklin, 15th Oct 2018.

\*073/1.1. **Crassula tillaea** (Mossy Stonecrop) (Corchwyn Mwsoglog). Shotwick, Deesside, SJ31 72, Matt Pickard, 28th May 2018.

+‡135/50.3. **Artemisia absinthium** (Wormwood) (Y Wermod Lwyd). Bodfari, SJ07 69, Jonathan Shanklin, 2nd Jun 2018.

+152/16.29. **Carex vesicaria** (Bladder-sedge) (Hesgen Chwysigennaidd). Penycloddiau, SJ12 68, Jonathan Shanklin, 15th Jul 2018, scarce in Flints; (+) Moel y Parc, SJ13 68, Jonathan Shanklin, 15th Jul 2018, scarce in Flints.

+153/14.1. **Vulpia fasciculata** (Dune Fescue) (Peisgwellt y Twyni). Shotwick, Deesside, SJ33 71, Jonathan Shanklin, 3rd Jun 2018, rare in Flints.

+153/21.2. **Catapodium marinum** (Sea Fern-grass) (Gwenithwellt y Morfa). A55 Pantasaph, SJ16 75, Jonathan Shanklin, 4th Jun 2018, rare in Flints

ANGLESEY, v.c.52 (comm. N.H. Brown & I.R. Bonner)

+005/1.1. **Ophioglossum vulgatum** (Adder's-tongue) (Tafod y Neidr). Porth Swtan, SH3032 8907, Ann Harden, 21st Jun 2018, 4 fronds in lawn of Swn y Nant.

+005/1.2. **Ophioglossum azoricum** (Small Adder's-tongue) (Tafod-y-neidr Bach). Tywyn Trewan, SH3128 7624, Anglesey Flora Group, 16th May 2018, 2nd VCR. Conf. Markus Ruhsam RBGE, 3rd September 2018, with *O. vulgatum*.

+‡020/3.1.© **Tsuga heterophylla** (Western Hemlock-spruce) (Sbriwsen-Hemlog y Gorllewin). Mynydd Bodafon, SH468 852, Nigel Brown, 6th Nov 2018, small plantation plus some natural regeneration.

+‡020/5.1×2.© **Larix ×marschlinsii** (Hybrid Larch) (Llarwydden Groesryw). Llyn Alaw (part). Penwerthyr, SH40 86, Anglesey Flora Group, 29th Aug 2018.

- +020/5.2.© **Larix kaempferi** (Japanese Larch) (Llarwydden Japan). Llyn Alaw (part). Penwerthyr, SH402 865, Anglesey Flora Group, 29th Aug 2018.
- +©021/1.1×2.noo. ×**Cupressocyparis leylandii** (**Cu. macrocarpa** × **Ch. nootkatensis**) (Leyland Cypress) (Cypreswydden Leyland). Fryars, SH6132 7768, Ted Phenna, 23rd May 2018, tree on low clay cliff at top of beach.
- +026/1.1. **Nymphaea alba** (White Water-lily) (Alaw). Llanfaes, SH60 77, Ted Phenna, 22nd Jun 2018, possibly introduced to golf course pond?
- +030/2.1.‡ **Meconopsis cambrica** (Welsh Poppy) (Pabi Cymreig). Trearddur, SH26 78, Debbie Evans, 20th Apr 2018, road verge.
- +031/5.03.hib. **Fumaria bastardii** var. **hibernica**. Menai Strait Shore SSSI, SH55 72, Jane & Ivor Rees, 29th Dec 2018, photo. EISR.
- ‡031/5.06. **Fumaria purpurea** (Purple Ramping-fumitory) (Mwg-y-ddaear Glasgoch). N of Llanddona (SH5780), SH573 802, Jane & Ivor Rees, conf. Wendy McCarthy & Paul Green, 4th Dec 2018, bare area of south-facing road bank. Reconf. a 1967 record.
- +‡031/5.07. **Fumaria officinalis** (Common Fumitory) (Mwg-y-ddaear Cyffredin). Aberffraw, SH34 68, Jane & Ivor Rees, 31st Dec 2018, roadside bank.
- +‡040/2.2.© **Alnus incana** (Grey Alder) (Gwernen Lwyd). Llanerchymedd, SH4169 8410, Anglesey Flora Group, 29th Aug 2018, 6 well grown trees with cones, station carpark.
- +‡040/2.3.© **Alnus cordata** (Italian Alder) (Gwernen yr Eidal). Holyhead (SE), SH2593 8147, Debbie Evans, 18th Oct 2018, hedge at entrance to Anglesey Aluminium site. Photo.
- +043/3.03. **Atriplex glabriuscula** (Babington's Orache) (Llygwyn y Tywod). Lleiniog (SH6279), SH6227 7941, Anglesey Flora Group, 5th Oct 2018.
- \*043/3.03×05. **Atriplex glabriuscula** × **praecox**. Menai Strait, SH45 63, Jane & Ivor Rees, 24th Sep 2018, series of photos confirmed as this by Paul Green, based on Wexford material. 1st VCR.
- \*043/3.05. **Atriplex praecox** (Early Orache) (Llygwyn Cynnar). Menai Strait, SH45 63, Jane & Ivor Rees, 24th Sep 2018, shore by Plas Penrhyn. 1st VCR. Similar to plants confirmed as this taxon in Foryd Bay VC49.
- +043/3.06. **Atriplex littoralis** (Grass-leaved Orache) (Llygwyn Arfor). Inland Sea (part), SH2798 7916, Jane & Ivor Rees, 23rd Jul 2018, several along strandline. Also seen by the AFG on 8th August.
- +‡045/2.2. **Claytonia sibirica** (Pink Purslane) (Porpin Pinc). Trearddur, SH24 80, Debbie Evans, 1st May 2018, by footpath & adjacent verge.
- +047/1.06.‡ **Persicaria bistorta** (Common Bistort) (Llyisiau'r Leidr). Trearddur, SH24 80, Debbie Evans, 10th May 2018, damp verge on lane away from houses.
- +‡061/1.1. **Populus alba** (White Poplar) (Poplysen Wen). Porth Dafarch, SH23 80, Debbie Evans, 9th Jun 2009, road verge.
- +062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llyisiau'r-bystwn Llyfn). Trearddur Bay, SH25 79, Debbie Evans, 20th Apr 2018, on steep bank in thin soil, by tower in field.

- +‡062/33.2. **Diplotaxis muralis** (Annual Wall-rocket) (Roced-y-muriau'r Tywod). Llyn Alaw (part) S shore, SH38 85, Anglesey Flora Group, 14th Sep 2018, 3 plants on rubbly spoil heap.
- +069/1.1×3. **Primula ×polyantha** (False Oxlip) (Briallen Groesryw). Penmon & Caim, SH6211 8079, Ted Phenna, 3rd May 2018, 1 stem, side of path just north of Caim.
- +‡072/1.1.© **Escallonia macrantha** (Escallonia) (Esgalonia). Llaneilian, SH47 92, Anglesey Flora Group, 15th May 2018, road bank.
- +‡073/5.7. **Sedum spurium** (Caucasian-stonecrop) (Briweg y Cawcasws). Four Mile Bridge SH2878, SH284 789, Debbie Evans, 8th Aug 2018, verge, garden throw-out.
- +075/08.05.142. **Rubus ulmifolius**. Four Mile Bridge SH2878, SH28 78, Anglesey Flora Group, 8th Aug 2018, verge.
- +075/09.16. **Potentilla sterilis** (Barren Strawberry) (Llwyn coeg-fefus). Trearddur, SH26 79, Debbie Evans, 23rd Apr 2018, verge of rough track/lane adjacent to scrubby woodland.
- +‡075/19.15. **Alchemilla mollis** (Garden Lady's-mantle) (Mantell-Fair y Gerddi). Trearddur Bay, SH25 79, Debbie Evans, 6th Jul 2017, on disturbed ground/building site and on a verge away from gardens; (+) Holyhead (SE), SH25 81, Debbie Evans, 27th Apr 2017, waste ground near Morrisons.
- +‡075/32.33. **Cotoneaster simonsii** (Himalayan Cotoneaster) (Cotoneaster Simons). Trearddur Bay, SH25 79, Debbie Evans, 5th Jul 2017, hedgerow.
- +‡077/17.1. **Melilotus altissimus** (Tall Melilot) (Yr Wydro Dal). Trearddur Bay, SH25 79, Debbie Evans, 6th Jul 2017, waste ground.
- +078/1.1.‡ **Hippophae rhamnoides** (Sea-buckthorn) (Rhafnwydden y Môr). Valley, SH283 796, Debbie Evans, 23rd Oct 2018, disturbed ground by Inland Sea.
- +‡084/4.3. **Oenothera biennis** (Common Evening-primrose) (Melyn yr Hwyr). Lleiniog, SH6252 7954, Ted Phenna, 27th Jun 2018, c.30 stems in sand at top of beach.
- +085/1.1.‡ **Cornus sanguinea** (Dogwood) (Cwyrosyn). Llanfaes, SH603 778, Ted Phenna, 22nd Jun 2018, prob. planted. Near pond on Henllys golf course.
- +‡093/2.1. **Parthenocissus quinquefolia** (Virginia-creeper) (Dringwr Fflamgoch). Lleiniog, SH62 79, Anglesey Flora Group, 5th Oct 2018, 1 large sprawling plant at edge of carpark next to the Mound.
- +‡094/1.2.© **Linum usitatissimum** (Flax) (Llin). Llanyghenedl, SH3178 8091, Debbie Evans, 12th Jul 2018, c.2 plants in Brassica crop, presumably left from former crop; (+) Llanfawr, SH44 73, Debbie Evans, 12th Jul 2018, field, presumably left from a previous crop.
- \*‡100/1.1. **Rhus typhina** (Stag's-horn Sumach) (Siwmac). Four Mile Bridge SH2878 (SH2878), SH284 789, Debbie Evans, 8th Aug 2018, verge, garden escape/ planted? 1st VCR.
- +102/1.09. **Oxalis acetosella** (Wood-sorrel) (Suran y Coed). Trearddur, SH26 79, Debbie Evans, 16th Nov 2018, on an elevated slope above the Inland Sea.
- +110/8.1.a.‡ **Solanum nigrum subsp. nigrum**. Llyn Alaw (part) S shore, SH38 85, Anglesey Flora Group, 14th Sep 2018, on rubbly spoil.
- +110/8.6. **Solanum dulcamara** (Bittersweet) (Elinog). Llyn-y-Fydlyn, SH29 91, RA Jones, Jun 2018.

- +116/02.1. **Echium vulgare** (Viper's-bugloss) (Gwiberlys). Trearddur Bay (SH2578), SH2567 7898, Debbie Evans, 6th Jul 2017, coastal strip behind promenade.
- +‡116/03.1. **Pulmonaria officinalis** (Lungwort) (Llyisiau'r Ysgyfaint). Four Mile Bridge SH2878 (SH2878), SH284 789, Debbie Evans, 7th Jun 2018, verge, garden escape/planted?
- +116/15.01. **Myosotis scorpioides** (Water Forget-me-not) (Sgorpionllys y Gors). Llangoed (East) (SH6179), SH617 792, Anglesey Flora Group, 5th Oct 2018, imm. plants common in wet meadow. Det. using Poland key.
- +116/15.09. **Myosotis ramosissima** (Early Forget-me-not) (Sgorpionllys Cynnar). Porth y Corwgl, SH4815 9254, Anglesey Flora Group, 15th May 2018, on an ant hill, by the coast. Balog farm.
- +118/23.2×3.‡ **Mentha ×piperita** (Peppermint) (Mintys Poeth). Trearddur Bay (SH2578), SH2558 7864, Debbie Evans, 6th Sep 2017, verge, away from houses; (+) Trearddur Bay, SH25 79, Debbie Evans, 24th Jul 2017, brownfield site.
- +118/23.4.‡ **Mentha suaveolens** (Round-leaved Mint) (Mintys Deilgrwn). Trearddur Bay, SH25 78, Debbie Evans, 9th Aug 2017, road verges.
- +120/1.5. **Callitriche obtusangula** (Blunt-fruited Water-starwort) (Brigwlydd Ffrwythau Blaendwn). Llyn-y-Fydlyn, SH29 91, RA Jones, Jun 2018.
- +‡122/1.3.© **Buddleja globosa** (Orange-ball-tree) (Coeden-fêl Peli Oren). Four Mile Bridge, SH28 78, Debbie Evans, 18th Jun 2018, verge, garden escape/planted?
- +‡123/1.sus×vir.© **Forsythia ×intermedia** (Forsythia) (Clychau Aur). Four Mile Bridge, SH284 789, Debbie Evans, 18th Jun 2018, verge, garden escape/planted?
- +124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Lleiniog (SH6279), SH6225 7938, Anglesey Flora Group, 5th Oct 2018, edge of coastal field.
- +‡124/07.1. **Antirrhinum majus** (Snapdragon) (Trwyn y Llo). Trearddur Bay (SH2578), SH2570 7882, Debbie Evans, 6th Sep 2017, on a wall. Garden escape; (+) Glan-yr-afon (SH6080), SH6048 8091, Ted Phenna, 7th Sep 2018, several plants, roadside of garden wall, seeded from adjacent garden.
- +131/2.2. **Viburnum lantana** (Wayfaring-tree) (Gwifwrnwydden). Lleiniog, SH62 79, Anglesey Flora Group, 5th Oct 2018, 1 straggly specimen in deep shade on W side of the Mound.
- +‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle) (Bachgen Llwm). Four Mile Bridge, SH28 78, Anglesey Flora Group, 8th Aug 2018.
- +‡131/WEI.flo. **Weigela florida** (Weigelia) (Weigela). Four Mile Bridge SH2878 (SH2878), SH284 789, Debbie Evans, 7th Jun 2018, verge, planted or garden throw-out.
- +†135/08.1. **Silybum marianum** (Milk Thistle) (Ysgallen Fair). Valley, SH2835 7853, Debbie Evans, 13th Nov 2018, 4 plants by path in field. First record since 1995.
- ℞†135/12.1. **Cichorium intybus** (Chicory) (Ysgello). Trearddur Bay (SH2578), SH2567 7898, Debbie Evans, 6th Jul 2017, coastal strip behind promenade. Reconf of 1970-86 record in DDb.
- +135/24.1. **Mycelis muralis** (Wall Lettuce) (Gwylaeth y Fagwyr). Four Mile Bridge SH2878 (SH2878), SH2876 7899, Debbie Evans, 7th Jun 2018, by shady wall at back of verge.

- +‡135/27.6. **Pilosella aurantiaca** (Fox-and-cubs) (Clust-y-llygoden Euraid).  
Malltraeth, SH41 69, Anglesey Flora Group, 28th Apr 2018.
- +135/30.1. **Filago vulgaris** (Common Cudweed) (Edafeddog Lwyd). Llanfaelog,  
SH335 772, Anglesey Flora Group, 6th Jun 2018.
- \*‡135/38.1. **Telekia speciosa** (Yellow Oxeye) (Llygad-llo Melyn). Penhesgyn, SH537  
743, Jane & Ivor Rees, 9th Jul 2018, at least 3 plants flowering on road verge.
- +‡135/40.3. **Solidago canadensis** (Canadian Goldenrod) (Eurwialen Canada).  
Bodedern, SH32 80, Debbie Evans, 12th Jul 2018, established on verge away from  
houses.
- +‡135/43.4. **Erigeron karvinskianus** (Mexican Fleabane) (Amrhydlwyd y Cerrig).  
Malltraeth Cob, pools, Sands & village, SH407 688, Anglesey Flora Group, 28th  
Apr 2018, lanesides and walls in village.
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane) (Amrhydlwyd Canada).  
Trearddur Bay, SH25 79, Debbie Evans, 18th Jul 2018, waste ground.
- +‡135/58.lac×max. **Leucanthemum ×superbum** (Shasta Daisy) (Y Llygad-llo  
Mwyaf). Lleinio (SH6279), SH6225 7938, Anglesey Flora Group, 5th Oct 2018,  
edge of coastal field.
- +‡135/62.01. **Senecio cineraria** (Silver Ragwort) (Creulys Ariannaid). Lleinio  
(SH6279), SH6225 7938, Anglesey Flora Group, 5th Oct 2018, edge of coastal field.
- +135/71.1. **Petasites hybridus** (Butterbur) (Alan Mawr). Glan-yr-afon, SH60 80, Ted  
Phenna, 7th Sep 2018.
- +‡135/73.1.© **Calendula officinalis** (Pot Marigold) (Melyn Mair). Trearddur Bay,  
SH25 79, Debbie Evans, 7th Jul 2017, corner of marsh/car park.
- +‡135/80.2.© **Galinsoga quadriradiata** (Shaggy-soldier) (Galinsoga Blewog). Valley,  
SH2832 7960, Debbie Evans, 23rd Oct 2018, disturbed ground by Inland Sea and  
large stand on nearby verge. 2nd VCR.
- +‡138/6.1. **Lagarosiphon major** (Curly Waterweed) (Ffugalaw Crych). Coed & Plas  
Llwynonn (SH5169), SH5115 6955, John Bratton, 22nd Nov 2016, garden pond,  
Plas Llwynonn.
- +142/1.01. **Potamogeton natans** (Broad-leaved Pondweed) (Dyfrllys Llydanddail).  
Llyn-y-Fydlyn, SH29 91, RA Jones, Jun 2018.
- +142/1.15. **Potamogeton berchtoldii** (Small Pondweed) (Dyfrllys Bach). Llyn-y-  
Fydlyn, SH29 91, RA Jones, Jun 2018.
- +‡148/2.tur. **Lemna turionifera**. Pen-y-Bont Farm (East) (SH4268), SH4248 6818,  
John Bratton, 11th Sep 2016, ditch.
- \*152/16.05×15. **Carex ×pseudoaxillaris**. Llangoed (East) (SH6179), SH6190 7910,  
Anglesey Flora Group, 5th Oct 2018, beside path through rank, damp grassland.  
(estim g.r.) Herb. Richard Birch. 1st VCR.
- +152/16.16. **Carex leporina** (Oval Sedge) (Hesgen Hirgron). Llanfaes, SH60 77, Ted  
Phenna, 22nd Jun 2018.
- +152/3.3. **Eleocharis uniglumis** (Slender Spike-rush) (Ysbigfrwynen un Cibyn). Llyn-  
y-Fydlyn, SH29 91, Jane & Ivor Rees, 28th Jul 2018.
- +152/4.1. **Bolboschoenus maritimus** (Sea Club-rush) (Ysbigfrwynen y Morfa). Llyn-y-  
Fydlyn, SH29 91, RA Jones, Jun 2018.

- +153/38.1. pic. **Phalaris arundinacea var. picta** (Gardener's Garters). Trearddur Bay, SH24 79, Debbie Evans, 1st May 2018, established by coastal path, presumed garden escape.
- +153/49.2. **Phleum bertolonii** (Smaller Cat's-tail) (Rhonwellt Penfain). Four Mile Bridge SH2878 (SH2878), SH2805 7839, Debbie Evans, 7th Jun 2018, on bridge.
- +153/50.4.c. **Bromus hordeaceus subsp. thominei** (Sand Soft-brome). Aberffraw Dunes SSSI (SH3568), SH3576 6823, Hugh Knott, Apr 2018, mobile sand. 2 Photos of spikelets.
- +‡153/62.1. **Cortaderia selloana** (Pampas-grass) (Peithwellt). Trearddur Bay, SH25 78, Debbie Evans, 12th Sep 2017, edge of brown field site.
- +155/1.1. **Typha latifolia** (Bulrush) (Cynffon y Gath). Llyn-y-Fydlyn, SH29 91, RA Jones, Jun 2018.
- \*‡158/06.1. **Kniphofia uvaria** (Red-hot-poker) (Procer Poeth). Trearddur Bay, SH25 79, Debbie Evans, 6th Sep 2017, sandy land behind the promenade. 1st VCR.
- +‡158/18.umb. **Ornithogalum umbellatum** (Garden Star-of-Bethlehem). Trearddur, SH248 800, Debbie Evans, 22nd May 2018, verge, garden escape.
- +158/35.1.‡ **Ruscus aculeatus** (Butcher's-broom) (Celynnen Fair). Trearddur, SH2644 7970, Debbie Evans, 18th Jul 2018, several bushes both sides of track.
- +‡160/1.glo. **Yucca gloriosa** (Spanish-dagger). Lleinio, SH62 79, Anglesey Flora Group, 5th Oct 2018, 1 variegated plant at edge of carpark and another smaller plant on the soft cliff just in 61.78
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### Images on inside back cover:

**6:** Yellow Horned-poppy (*Glaucium flavum*) has begun to spread from the shingle of Tanybwllch beach, into the field directly behind it. © Chloe Griffiths. See page 10.

**7:** A herbarium specimen of *Hieracium reticulatiforme* collected by Tim Rich at Nant-y-llyn, Breconshire. See page 9.

### Images on back cover:

**8:** Tree trail walk, Coed Geufron, Ceredigion. © Chloe Griffiths. See page 10.

**9:** Examining flushed rush-grassland, Capel Dyddgen SSSI on the second fieldtrip of the AGM. © Pete Stroh. See page 6.

**10:** Meadowland surveying at Wales meeting. © Barbara Brown. See page 6.



HERBARIUM, NATIONAL MUSEUM OF WALES (NMW)  
 FLORA OF Brecon, Vc 62

*Hieracium* sect. *Foliolosum*

Locality Nant-y-Llyn  
 at Hieracium (Lawson Waterfall)  
 Styles yellow  
 heads 28-30mm across

Collector T. G. R. L. S.  
 Map/Grid Ref.

Date 30/7/99  
 Reg. No.

each plant from different clump, 11 plants seen

