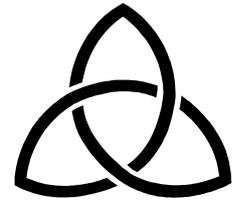




# Waterford and Cork Botany Group



Newsletter N° 1 – January 2009

**Welcome to the first newsletter  
for the Waterford and Cork Botany Group.  
Hope you will find it of interest!**

There were a number of botanical walks during 2008 in Co. Waterford besides our group. On a BSBI meeting at Ardmore, Una McDermott asked me if I knew of the Hop in the churchyard hedge by the round tower. My reply was that I knew there was an old record. This was made before 1866 by Isaac Carroll and it was the only record I had in my database for the Ardmore area. We found the Hop quite easily in the hedge and also along the roadside. I must have walked by the Hop on that roadside at least five times on my own or with friends while recording for my book: *Flora of Co. Waterford*, without noticing it. It just shows that an area is never over-recorded and how easy it is to walk by something.

*Happy New Year*

Paul R. Green

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## LAUNCH OF THE GROUP, ROSE ID DAY (Paul R. Green)

Five of us met at Dungarvan for the launch of the group on a hot sunny day on 27 July 2008. The aim was to look at the roses of the county. I handed out a key I had put together for all the rose species growing in Co. Waterford. With a few adjustments it should work well. I had also brought along with me some specimens of the species we would not be seeing during the day.



*Rosa agrestis*

The first stop was at Ballyneety Bridge where we had a look at *Rosa agrestis* (Small-leaved Sweet-briar), *R. arvensis* (Field-rose), *R. stylosa* (Short-styled Field-rose), *R. canina* (Dog-rose), etc. After studying the roses here we moved onto Kilmolash Bridge to look at *Rosa rubiginosa* (Sweet-briar) but found the bushes we had hoped to see growing on the bridge had been cut down and were only about an inch high. Because of the heat of the day we could all easily smell the strong scent the glands on the leaves gave off. We had another try for Sweet-briar on waste ground by Avonmore Bridge at Cappoquin, but this time the bramble thicket was too dense to penetrate.

Our last stop was at Lismore. We took Lady Louisa's Walk along the River Blackwater, up a narrow leafy lane where we looked at *Rubus flexuosus* and an arable field covered in Indian Balsam. This is the first time any of us had seen this plant as an arable weed. The next stretch of the lane had been cleared of vegetation, including the *Rosa micrantha* (Small-flowered Sweet-briar) we were hoping to look at. The high wall that ran along the north side of the lane had two rose bushes growing on the top. We managed to find a way into the field behind the wall where the ground was much higher and identified the two roses. The first was named as *Rosa x rothschildii* (*R. canina* x *R. sherardii*) confirmed by Roger Maskew, this being a new record for the tetrad and only the fifth record for the county. The other bush on the wall top was Small-flowered Sweet-briar.



*Rosa stylosa*

We retraced our steps back to the river and looked at a bushy area where Grey Alder had seeded into the willow scrub. This was another new species for the tetrad. While having a break from the heat under the shelter of a fisherman's shelter we tried keying out the fruits of the Bur-reed growing along the river's edge. After some debate we all came to the conclusion that it was *Sparganium erectum* subsp. *oocarpum*, the second record for the county. The subspecies of *Sparganium* are very under-recorded in the county as they can only be identified when the plants are in fruit. Overall it was a very enjoyable day followed by tea and cake in a local pub.



*Rosa stylosa*



*Rosa rubiginosa*



*Rosa rubiginosa*

## GEARAGH MEETING August 23<sup>rd</sup> 2008 (Jenny Seawright)



The Gearagh near Macroom, Co. Cork is unique, the last remnant of alluvial woodland that has been in existence since the end of the last Ice Age. Between 1954 and 1955 sixty percent of the woodland was cut, families evicted and the eastern end flooded for a hydro-electric scheme. The area's importance was only belatedly recognised but now the Gearagh is designated a Statutory Nature Reserve. There is no similar habitat remaining in Western Europe and at certain times and light the area possesses a strange and haunting beauty.



Water levels can vary considerably, sometimes dropping to expose extensive mudflats with channels weaving between them, at other times too flooded to enable access to the wooded islands. The hope for the August meeting had been that levels would be low, exposing some of the mudflats with Mudwort (*Limosella aquatica*) (left), Six-stamened Waterwort (*Elatine hexandra*) and other interesting species. Not a chance! The water was high, the wind lashing and it was raining hard when Paul and myself met in the car park. After waiting to see if anyone else would join us we put on waterproofs and wellies and headed along the path on the central causeway in search of the hybrid between Water and Tufted Forget-me-not (*Myosotis x suzae*).

That proved unsuccessful so next we turned our attention to investigating various water plants, paddling happily along the margins of the lake. Some strange looks from passing walkers but we were enjoying ourselves! As they were found Paul showed me the difference in fruit between Common, Intermediate and Autumnal Water-starwort (*Callitriche stagnalis*, *C. hamulata* and *C. hermaphroditica*).

The invasive aliens Canadian Pondweed (*Elodea canadensis*) and Nuttall's Pondweed (*Elodea nuttallii*) were unfortunately flourishing, accompanied by the rare and very localised Rigid Hornwort (*Ceratophyllum demersum*) (below) and the more frequent Spiked Water-milfoil (*Myriophyllum spicatum*).



Other plants seen included: Unbranched Bur-reed (*Sparganium emersum*) (above right), Lesser Marshwort (*Apium inundatum*), Fool's Water-cress (*Apium nodiflorum*) (but no sign of their elusive hybrid *Apium x moorei*). Great Marsh-bedstraw (*Galium palustre* subsp. *elongatum*) and Whorled Mint (*Mentha x verticillata*) were also in flower. Still in search of *Myosotis x suzae* we headed upriver and parked at Toon's Bridge. Paul took a quick GPS reading for the Thyme-leaved Sandwort (*Arenaria serpyllifolia*) seen as we crossed the bridge and every Forget-me-not on the riverbank was peered at hopefully .....

Success at last, but no wonder we hadn't found it sooner – to my eyes it looked indistinguishable from Water Forget-me-not (*Myosotis scorpioides*). Paul pointed out its very low fertility, the fruiting calyxes only containing one viable seed instead of four. Sadly no photograph to remember it by as they were all out of focus! And then it was time to head off for a cup of tea..... Despite the weather it was a really enjoyable day and many thanks to Paul for traveling down to Cork.



## DUNGARVAN (Paul R. Green)



Our meeting point on 13 September at Dungarvan by the Colligan River gave us a new tetrad record for *Torilis nodosa* (Knotted Hedge-parsley [insert left]) growing on the wall top along the river. We moved over to Kilminnin and walked along the disused railway towards Skehacrine, Dungarvan. Our first challenge was to identify the three Fumitory species that were growing along the strand line. The three species were *Fumaria muralis* subsp. *boraei* (Common Ramping-fumitory), *F. bastardii* (Tall Ramping-fumitory) and *F. purpurea* (Purple Ramping-fumitory). Also along the strand line was *Solanum tuberosum* (Potato). It was not long before we came to a small area of dune with a scrubby area. *Glaucium flavum* (Yellow Horned-poppy) and *Polygonum oxyspermum* subsp. *raii* (Ray's Knotgrass) were scattered along the sand. On reaching the houses we soon found that the garden shrubs were seeding well along the sea wall. Here we had several species of *Hebe* and a new county record for *Cassinia leptopylla* (Cottonwood). The fresh sunny day was starting to turn into rain; we retraced our steps along the disused railway where we were able to see *Geranium purpureum* (Little-

Robin). The day was rounded off with a visit to a local café.

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## WATERFORD BOTANY GROUP FIELD TRIP to WOODSTOWN and FORNAGHT STRAND, Sunday 19<sup>th</sup> October 2008 (Bernadette Guest)



A weather forecast of gale force winds and torrential rain did not deter a group of hardy botanist for the October outing and so 5 went to Woodstown and Fornaght Strand. The location for this field trip was ideal as while we were fortunate to set out in a pre-storm window the topography provided ample shelter with its tree lines, hedgerows and high earthen banks to protect us from the prevailing winds and rain. Meeting point was at the car park in Woodstown (S697047) and we headed south with a look around the woodland perched on the rocky outcrop over the shoreline. We noted *Artemisia vulgaris* (Mugwort) along the sea wall and *Persicaria amplexicaulis* (Red Bistort). Within the woodland area we noted *Carex sylvatica* (Wood-sedge) frequent patches of *Rosa pimpinellifolia* (Burnet Rose) and *Viola odorata* (Sweet Violet). In terms of trees, *Quercus* was present. Species type can be distinguished by noting if the fruits are sessile *Q. petraea* (Sessile Oak) or non-sessile *Q. robur* (Pedunculate Oak).

Non-natives present included *Quercus cerris* (Turkey Oak) which is an invasive species in southern England, the Irish climate is probably too damp for its spread here. Also noted were *Carpinus betulus* (Hornbeam) and a *Laurus nobilis* (Bay) shrub. The site being near a number of dwellings and gardens is susceptible to garden escapees. As we headed further long this charming winding country lane with impressive earthen banks we were impressed with the rich range of ferns on display; *Asplenium trichomanes* (Maidenhair Spleenwort) and *Polystichum setiferum* (Soft Shield-fern).

The damp verges provide suitable ground for *Equisetum telmateia* (Great Horsetail), *Apium nodiflorum* (Fool's Water-cress) and *Rorippa nasturtium-aquaticum* (Water-cress). Other woodland edge plants were noted such as *Geum urbanum* (Wood Avens) and *Sanicula europaea* (Wood Sanicle). We stopped to inspect a row of planted Elm trees with their characteristic corky bark. Extensive patches of *Petasites fragrans* (Winter Heliotrope) which is classed as a noxious weed were noted both along the roadside and on the woodland floor. As we passed a group of dwelling houses and gardens where road front had been landscaped we spotted 2 invasive species in a water feature *Myriophyllum aquaticum* (Parrot's Feather) and *Lemna minuta* (Least Duckweed). Our walk led us down to Fornaght Strand through a narrowing country lane along which we noted *Orobanche hederea* (Ivy Broomrape) which is parasitic on Ivy. We rewarded our efforts with lunch on Fornaght Strand enjoying the surrounding landscape of Creadan Head and Waterford Harbour. Coastal erosion is in evidence along this part of the



coast with Pine Trees clinging on at the edge of the headland. Abundant bracken present along the top of Knockavelish Head also. The edible *Cakile maritima* (Sea Rocket [insert left] ) was noted along the beach. With weather worsening we headed back on our walk admiring the extensive stand of *Phragmites australis* (Common Reed) identifying an area of marsh adjacent to the Strand. Some fields of lowland wet grassland here have been subject to drainage. Continuing along the road we were again impressed with the luxuriant growth of ferns along the hedgerows and earth banks. *Dryopteris filix-mas* (Male-fern) and *Athyrium filix-femina* (Lady-fern) in abundance. Also present along the hedges- *Symphoricarpos albus* (Snowberry), *Calystegia silvatica* (Hedge Bindweed), *Arctium nemorosum* (Wood Burdock), *Juncus inflexus* (Hard Rush) and *Scrophularia nodosa* (Common Figwort). A suspected Crab Apple tree was identified as a domestic variety as on closer inspection the leaves were noted as hairy while Crab Apple leaves are hairless. A stand of the highly invasive Japanese Knotweed was noted at S692036. The homeward stretch of the walk was lovely allowing sea views along a non-trafficked path with over arching tree lines and verdant fern banks, a treasure of a

country walkway. While shortened by the impending weather this trip provided a range of habitats from woodland and hedge to rocky shore, beach and marsh and is very much on my list of favourite walks in east Waterford.

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### MAPMATE TRAINING WORKSHOP (Paul R. Green)

The largest gathering of the group was on the 1<sup>st</sup> November for our training day for beginners on how to enter plant data into Mapmate at the National Biodiversity Data Centre, Waterford. I went through all the steps on how to set up Mapmate, entering species and to send the records onto another user using the synchronising process. Everybody went away satisfied they had learnt the basics of Mapmate.



### HOW SAFE ARE OUR RARE PLANTS? (Paul R. Green)



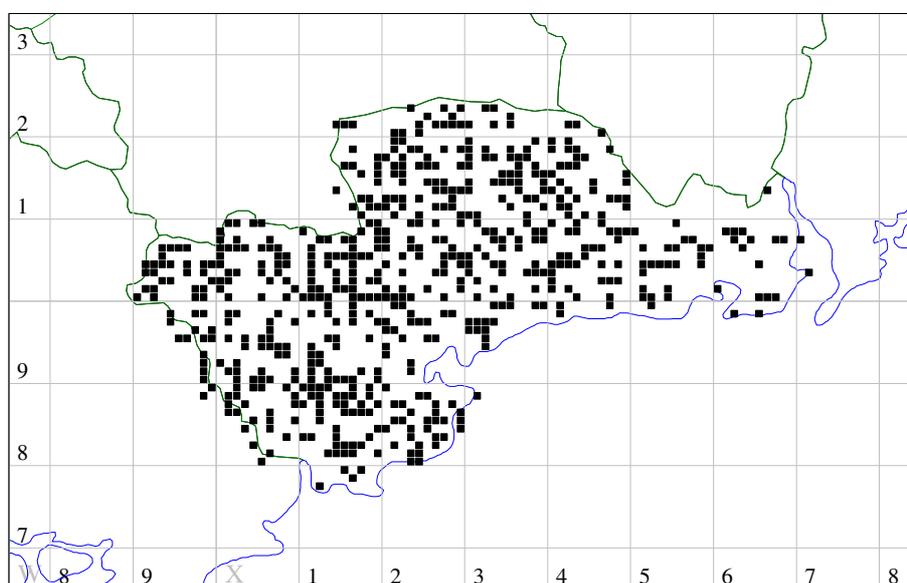
During September 2008, I visited with friend a number of the sites for *Sarcocornia perennis* (Perennial Glasswort) in Co. Wexford, the only county in Ireland where it is found. One of the sites I visited was Bannow Bay at Taulaght (S8210). The Glasswort is known from two locations within this 1km square. I found it without difficulty on the edge of a shingle bar that stretches out into the water and is a rather long walk to reach. The other location within the 1km square is on the side of a track that runs along the top of the beach. There has been much dumping along the strand line including on the Perennial Glasswort. This just shows that even if a plant is on the Red Data list for Ireland, there is no guarantee that it has a safe future.



*Picture showing the habitat of Perennial Glasswort*



**MAP SHOWING THE 1-KM SQUARES IN CO. WATERFORD  
WITH NO RECORDS** (Paul R. Green)



All the black squares on the above map have no individual plant records recorded for them. Well over half of the 594 squares on the map I did walk in while recording for the *Flora of Co. Waterford*, but the records were recorded on a tetrad level. If you would like to take on one or more of the 1-km squares please do contact me. It is hoped that we will be able to have a few meetings in 2009 to visit some of them. I no longer have the map I drew for the *Flora of Co. Waterford* in Mapmate. The boundary used by Mapmate is not very accurate; all the back squares on the map actually are in Co. Waterford.

**FLORA OF COUNTY WATERFORD**

**ERRATA**

Contents	Acknowledgements	page number should read <b>4</b> , not 2
Contents	About the author	page number should read <b>2</b> , not 4
Page 4	Acknowledgements	Robert Maskew should read <b>Roger</b> Maskew
Page 29	Clodiagh River, Portlaw	<b>and</b> Italian Lords-and-ladies - word <b>and</b> needs removing
Page 59	Ranunculus ficaria subsp. ficaria	SOOX should read <b>S00X</b>
Page 65	Ceratocapnos claviculata Durieu	Ceratocapnos claviculata <b>(L.) Lidén</b>
Page 74	Alnus rubra Bong	Alnus rubra Bong <b>_</b>
Page 81	Montia fontana subsp. variabilis	S5001 should read <b>S5301</b>
Page 127	Coronopus squamatus (Forssk.) Asch	Coronopus squamatus (Forssk.) Asch <b>_</b>
Page 137	Anagallis tenella (L.)	Anagallis tenella (L.) <b>L.</b>
Page 169	Prunus avium (L.) I.	Prunus avium (L.) <b>L.</b>
Page 179	Medicago sativa subsp. varia Arcang	Medicago sativa subsp. varia <b>(Martyn)</b> Arcang <b>_</b>
Page 191	Cornus sericea	Cornus sericea <b>L.</b>
Page 245	Scropularia nodosa var. babartii	S4020 should read <b>S4017</b>
Page 281	Solidago virgaurea	1747 should read <b>1746</b>
Page 291	Eupatorium cannabinum	Eupatorium cannabinum <b>L.</b>
Page 306	CYPERACEAE	Insert the heading <b>CYPERACEAE</b> before Eleocharis
Page 309	Isolepis setacea	X31F should read <b>S31F</b>
Page 338	Hordeum secalinum	Goodwilie should read Goodwil <b>l</b> ie

## CO. WATERFORD (Paul R. Green)

The list below includes new species for the county and new 10-km square records made during 2008. Also listed are new county records made during 2006 and 2007 not included in the *Flora of Co. Waterford*. **BM** = cited specimens deposited in the British Museum (Natural History) London. **DBN** = cited specimens deposited in the National Herbarium, Glasnevin, Dublin. **TCD** = cited specimens deposited at Trinity College, School of Botany, Dublin. \* = non-native species.



Wavy x Hairy Bittercress

### NEW COUNTY RECORDS IN 2008

*Cardamine x zahlbruckneriana* (Wavy x Hairy Bittercress). Five plants as weed in garden of Hill Cottage, Ballyquin (S412178), 17 May, Una McDermott – det. Paul R. Green. **DBN**. 1<sup>st</sup> Irish record.

\**Cassinia leptophylla* (Cottonwood). Bush self-sown on side of path at base of wall, Skehacrine, Dungarvan (X27769366), 13 September, Waterford and Cork Botany Group field meeting. 2<sup>nd</sup> Irish record.

\**Crocus tommasinianus x C. vernus* (Early x Spring Crocus). Scattered and well established over churchyard, Briska Upper (S329042), 23 March, Ian P. and Paul R. Green. Spring Crocus was the only other species of Crocus in the churchyard, 1<sup>st</sup> Irish record.

*Epilobium x subhirsutum* (Great x Hoary Willowherb). Single plant on edge of waste ground, both parents nearby, Skehacrine, Dungarvan (X27749368), 13 September, Waterford and Cork Botany Group field meeting.

*Equisetum x trachyodon* (*E. hyemale x E. variegatum*) (Mackay's Horsetail). Small patch on bank of River Tay, Stradbally Cove (X36969712), 5 April 2006, Paul R. Green. I re-visited the site in 2008 on a hunch that my original identification of *E. hyemale* (Rough Horsetail) was incorrect and so re-named it. One parent, Variegated Horsetail does not occur in the county.

*Dactylorhiza x transiens* (Common x Heath Spotted-orchid). Two plants with both parents in superb marshy field, Annestown (X4988), 27 June, Wild Flower Society field meeting – conf. Ian Denholm.

\**Festuca brevipila* (Hard Fescue). Single clump at base of wall on roadside Annestown (X49739903), 27 June, found by Mike Shaw while on a Wild Flower Society field meeting – conf. Eric J. Clement. 1<sup>st</sup> Irish record.

*Leontodon autumnalis* var. *salina*. Single plant in saltmarsh on bank of the Ballycanvan Stream, Ballycanvan (S66000995), 12 September, A.C. Leslie.

\**Ulmus x hollandica* (Dutch Elm). Several trees on edge of wood on side of lane; may have been planted and spread, Woodstown (S6904), 19 October, Waterford and Cork Botany Group field meeting.

### NEW COUNTY RECORDS FOR THE YEARS 2006 AND 2007 NOT INCLUDED IN THE FLORA OF CO. WATERFORD

*Acer cappadocicum* (Cappadocian Maple). Self-sown or spreading by sucking in woods at Curraghmore (S43031469), 1 June 2006, Paul R. Green. Accidentally omitted from the *Flora of Co. Waterford*.

\**Cannabis sativa* (Hemp). Four plants on waste ground, Tramore (S59430212), 2 November 2007, Paul R. Green. Found too late to be included in the *Flora of Co. Waterford*.

\**Chenopodium polyspermum* (Many-seeded Goosefoot). Single plant on heap of soil by tower, Waterford (S60661197), 5 December 2007, Paul R. Green. **DBN**. Found too late to be included in the *Flora of Co. Waterford*.

\**Echinochloa colona* (Shama Millet). Several plants on waste ground, Tramore (S59430212), 2 November 2007, Paul R. Green. Found too late to be included in the *Flora of Co. Waterford*.

*Epilobium x novae-civitatensis* (American x Great Willowherb). Two plants on roadside, Kilcreggane (S172134), 1 September 2006, Daniel L. Kelly – det. G.D. Kitchener. **TCD**.

\**Oenothera stricta* (Fragrant Evening-primrose). Over a hundred plants along bank of the River Blackwater, Tinnabinná (X09598133), 7 March 2006, Paul R. Green. Accidentally omitted from the *Flora of Co. Waterford*.

*Rubus tamarensis*. Large patch in hedge along side track, Knockalisheen Bridge (S2113), 16 July 2006, BSBI field meeting – det. David Allen. **BM**. Specimens re-examined and named in 2008.

NEW 10-KM SQUARE RECORDS IN 2008

**R90**

\**Abies grandis* (Giant Fir). Single tree 1.5 m tall self-sown on side of forest ride, Ballynoe West (R94730028), 23 February, Ian P. and Paul R. Green. 2<sup>nd</sup> county record.

\**Abies procera* (Noble Fir). Several self-sown trees along wooded river bank in valley, Ballynoe West (R9400), 23 February, Ian P. and Paul R. Green. 3<sup>rd</sup> county record.

*Artemisia vulgaris* (Mugwort). Several clumps on side of forest ride, Ballynoe West (R9400), 23 February, Ian P. and Paul R. Green.

\**Conyza bilbaoana* (Bilbao's Fleabane). Scattered along forest ride, Ballynoe West (R94720018), 23 February, Ian P. and Paul R. Green.

**S22**

\**Geranium pratense* (Meadow Crane's-bill). Clump on north verge of the R680, Gurteen Lower (S22R), 28 June, Paul R. Green.

**S30**

\**Crocus tommasinianus* x *C. vernus* – see new county records.

*Montia fontana* subsp. *fontana*. Patch on rock in middle of stream, Kilclooney (S337098), 28 June, Wild Flower Society field meeting.

**S40**

\**Primula veris* (Cowslip). A scattering of plants on road verge, Kilmacthomas (S40040543), 19 April, Paul R. Green. Likely to have been planted as not known in this area of the county.

**S41**

*Cardamine x zahlbruckneriana* – see new county records.

**S50**

*Alliaria petiolata* (Garlic Mustard). Patch at base of hedge, Kilmeadan (S51620947), 19 April, Paul R. Green.

\**Campanula portenschlagiana* (Adria Bellflower). Single clump on wall on south side of the R675, Tramore (S5700), 24 June, Paul R. Green.

\**Echium pininana* (Giant Viper's-bugloss). Thirty-five plants self-sown on steep rocky bank of the Waterford City Bypass, Ballindud (S594084), 19 April, Paul R. Green.

*Rubus nemorosus*. Along base of hedge, Tramore (S58950282), 27 June, Wild Flower Society field meeting – det. Paul R. Green.

\**Silene dioica* (Red Campion). Single plant by path leading to castle, Dunhill Castle (S503007), 2 August, Paul R. Green.

**S51**



Lawson's Cypress

\**Chamaecyparis lawsoniana* (Lawson's Cypress). Single tree a metre tall self-sown on top of wall, Waterford (S59001329), 22 March, Ian P. and Paul R. Green.

\**Conyza sumatrensis* (Guernsey Fleabane). Plentiful on waste ground with an abundance of Bilbao's Fleabane, Waterford (S59271318), 22 March, Ian P. and Paul R. Green. 3<sup>rd</sup> county record.

\**Oenothera glazioviana* (Large-flowered Evening-primrose). Two plants on road verge, Waterford (S590128), 26 August, Paul R. Green.

\**Prunus cerasifera* (Cherry Plum). Roadside hedge, Waterford (S59071319), 22 March, Ian P. and Paul R. Green.

**S60**

*Bromus racemosus* (Smooth Brome). Plentiful in hay meadow, Summerville (S629004), 9 June, Roger N. Goodwillie – conf. Paul R. Green. **DBN**. 3<sup>rd</sup> county record.

\**Cotoneaster bullatus* (Hollyberry Cotoneaster). Single bush self-sown in hedge on side of track, Fornaght (S692038), 19 October, Waterford and Cork Botany Group.

*Elytrigia atherica* var. *setigera*. Small patch on edge of dry saltmarsh where it joins dunes, Tramore Burrow (S662003), 7 September, BSBI field meeting. 2<sup>nd</sup> county record.

\**Laurus nobilis* (Bay). Single bush self-sown in wood above sea-cliff, Woodstown (S696045), 19 October, Waterford and Cork Botany Group field meeting.

\**Lemna minuta* (Least Duckweed). Little in stream on side of lane; had escaped from small garden pond, Woodstown (S695043), 19 October, Waterford and Cork Botany Group field meeting.

*Leontodon autumnalis* var. *salina* – see new county records.



*Ononis repens* var. *horrida*

*Ononis repens* var. *horrida*. Two clumps on edge of sandy area between seawall and saltmarsh; all other patches had no spines, Tramore (S60490064), 27 June, Wild Flower Society field meeting. 2<sup>nd</sup> county record and first since 1882.

*Spergula arvensis* var. *arvensis*. Several plants on disturbed road verge, Killlune Bridge (S61920741), 12 September, Paul R. Green and A.C. Leslie.

\**Ulmus x hollandica* (Dutch Elm) – see new county records.

**S61**

\**Hirschfeldia incana* (Hoary Mustard). Scattered over waste ground, Waterford (S602112), 6 July, Paul R. Green. 3<sup>rd</sup> county record.

\**Lemna minuta* (Least Duckweed). Covering surface of ditch, Little Island (S65121139), 12 September, Paul R. Green and A.C. Leslie.

*Sparganium erectum* subsp. *neglectum*. Lots in ditch, Little Island (S65121139), 12 September, Paul R. Green and A.C. Leslie.

**W99**

\**Chamaecyparis lawsoniana* (Lawson's Cypress). Tree self-sown on roadside wall, Scartnacrooha (W9499), 23 February, Ian P. and Paul R. Green.

**X08**

*Carex distans* (Distant Sedge). Single clump on side of path to Molana Abbey (X07978275), 27 May, BSBI field meeting.

*Rubus adscitus*. Edge of car park and in several other places in the area, Templemichael (X08018218), 29 August, Paul R. Green – det. David Allen.

\**Sinapis alba* (White Mustard). Roadside, Rincrew (X0980), 27 May, BSBI field meeting.

**X09**

\**Alnus incana* (Grey Alder). Tree self-sown on edge of willow carr near bank of the River Blackwater, Lismore (X054989), 27 July, Úna McDermott on Waterford and Cork Botany Group field meeting. 3<sup>rd</sup> county record.

*Rosa x rothschildii* (Dog-rose x Sherard's Downy-rose). Single bush on top of wall along lane, Lismore (X05269856), 27 July, Waterford and Cork Botany Group field meeting – conf. Roger Maskew. 5<sup>th</sup> county record.

*Sparganium erectum* subsp. *oocarpum* (Branched Bur-reed). Several large patches on right bank of the River Blackwater, Lismore (X054989), 27 July, Waterford and Cork Botany field meeting. 2<sup>nd</sup> county record.

**X17**

\**Alchemilla mollis* (Garden Lady's-mantle). Several clumps self-sown on roadside wall, Ardmore (X1977), 26 May, BSBI field meeting.

\**Linum usitatissimum* (Flax). Several plants on roadside, Ardmore (X1977), 29 July, Paul R. Green.

\**Phalaris canariensis* (Canary-grass). A number of plants on roadside, Ardmore (X1977), 29 July, Paul R. Green.

**X19**

*Rubus sprengelii*. Base of hedge on roadside, Kilmolash Bridge (X130948), 27 July, Waterford and Cork Botany Group field meeting.

**X27**

*Carex caryophyllea* (Spring-sedge). Little along coast path, Ardmore Head (X27D), 26 May, BSBI field meeting.

*Dactylorhiza majalis* (Western Marsh-orchid). Single plant on side of coastal path, Ardmore Head (X20017728), 26 May, BSBI field meeting.

**X28**

\**Persicaria campanulata* (Lesser Knotweed). Patch on road verge, Lissarow (X20158104), 29 July, Paul R. Green. 5<sup>th</sup> county record.

\**Clinopodium vulgare* (Wild Basil). Eight clumps on side of minor road, also many clumps along the R674 in the same tetrad (X28P), Shanbally (X25538923), 29 July, Paul R. Green. 2<sup>nd</sup> county record.

**X29**

\**Acer platanoides* (Norway Maple). Single tree self-sown in roadside hedge just north of bridge, Ballyneety Bridge (X2494), 27 July, Waterford and Cork Botany Group field meeting.

\**Bidens ferulifolia* (Fern-leaved Beggarticks). Two plants self-sown onto harbour wall, Dungarvan (X25919367), 13 September, Paul R. Green. 2<sup>nd</sup> county record.

\**Cassinia leptophylla* (Cottonwood) – see new county records.

*Epilobium x subhirsutum* (Great x Hoary Willowherb) – see new county records.

\**Hebe salicifolia* (Koromiko). Self-sown bush amongst rocks at top of beach, Skehacrine, Dungarvan (X277936), 13 September, Waterford and Cork Botany Group field meeting.

\**Hedera helix* subsp. *helix* (Ivy). On wall just north of bridge, Ballyneety Bridge (X2494), 27 July, Waterford and Cork Botany Group field meeting.

\**Lysimachia punctata* (Dotted Loosestrife). Clump on waste ground, Skehacrine, Dungarvan (X27719370), 13 September, Waterford and Cork Botany Group field meeting. 5<sup>th</sup> county record.

*Neottia nidus-avis* (Bird's-nest Orchid). Six spikes on bank of Colligan River, Colliganwood (X2197), 29 June, Wild Flower Society field meeting.

*Rosa x pseudorusticana* (Field-rose x Short-styled Field-rose). Bush in hedge just north of bridge, Ballyneety Bridge (X2494), 27 July, Waterford and Cork Botany Group field meeting. 3<sup>rd</sup> county record.

*Scrophularia nodosa* var. *babartii*. Several plants along disused railway, Dungarvan (X2693), 29 June, Wild Flower Society field meeting. 5<sup>th</sup> county record.

\**Sedum spectabile* (Butterfly Stonecrop). Two clumps flowering well on side of path. Likely to have been dumped from nearby garden, Skehacrine, Dungarvan (X27769366), 13 September, Waterford and Cork Botany Group field meeting. 2<sup>nd</sup> county record.

\**Stachys byzantina* (Lamb's-ear). Small clump on waste ground, Skehacrine, Dungarvan (X277937), 13 September, Waterford and Cork Botany Group field meeting. 4<sup>th</sup> county record.

**X39**

\**Aquilegia vulgaris* (Columbine). Clump on road bank, Ballyvoyle (X3496), 19 April, Paul R. Green.

\**Borago officinalis* (Borage). Three plants on waste ground, Ballyvoony Bridge (X38159734), 13 September, Paul R. Green.

\**Eschscholzia californica* (Californian Poppy). Two plants on waste ground, Ballyvoony Bridge (X38159734), 13 September, Paul R. Green. 6<sup>th</sup> county record.

\**Lysimachia nummularia* (Creeping-Jenny). Small patch on bank of River Tay, Stradbally Cove (X36029713), 19 April, Paul R. Green.

Evening-primrose



\**Oenothera glazioviana x biennis x cambrica* (Large-flowered x Common x Small-flowered Evening-primrose). Plentiful on waste ground, Ballyvoony Bridge (X38159734), 7 September, Stephen Ward – det. Paul R. Green. 2<sup>nd</sup> county record.

*Spergula arvensis* var. *arvensis*. Scattered over waste ground, Ballyvoony Bridge (X38159734), 13 September, Paul R. Green.

**X49**

*Dactylorhiza x transiens* (Common x Heath Spotted-orchid) – see new county records

*Festuca brevipila* (Hard Fescue) – see new county records

**X59**

\**Geranium pratense* (Meadow Crane's-bill). Single clump on road verge, Islandikane (X53979913), 4 July, Declan McGrath.