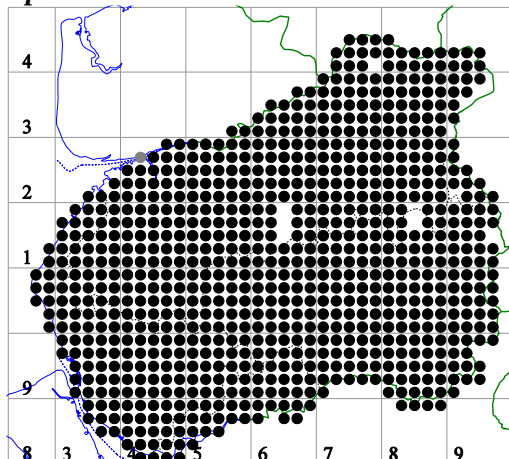


ONAGRACEAE Willowherb family

Epilobium hirsutum L. Great Willowherb



Preston Junction DP Earl 2008

Status & Distribution: Native, Least Concern (Red List for England); common and widespread.

Habitat: Wet meadows, canal banks, streamsides, riversides, roadsides and waste ground.

Comments: White flowered plants are occasionally found.

Epilobium x *subhirsutum* Gennari = *E. hirsutum* x *E. parviflorum*

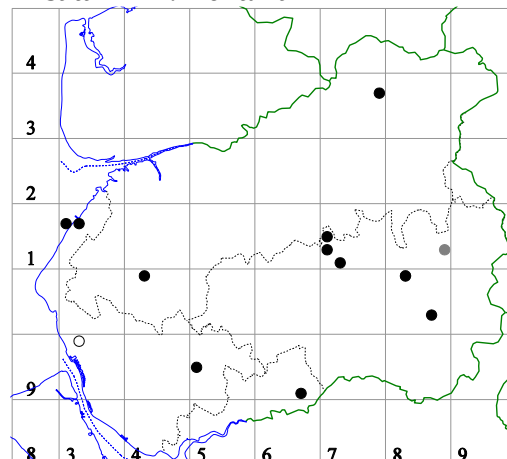
Status & Distribution: Native; may be common and widespread; Seaforth Nature Reserve (SJ39D) & Southport Old Road, Formby (SD30E) MP Wilcox & PH Smith, 2004; waste ground by Bolton School (SD70E, DP Earl, 2004).

Earliest records traced: Ormskirk (SD40E, Anon., 1856, MANCH) & Withington (SJ89L, T Baker, 1880, MANCH).

Habitat: Disturbed and waste ground.

Comments: This hybrid.

Epilobium x *erroneum* Hausskn. = *E. hirsutum* x *E. montanum*



Status & Distribution: Native; widespread but local. **Earliest record traced:** Canal side at Litherland (SJ39J, JA Wheldon, 1912).

Habitat: Damp ground, dune-slacks, woodland borders and canal sides.

Epilobium x *novae-civitat*is Smejkal = *Epilobium hirsutum* x *E. ciliatum*

Status & Distribution: Native; Astley Bridge (SD71A, J & H Lowell, 1995 & J Lowell 1998, det. Dr. J Elkington); north of Foxhill Bank LNR, Oswaldtwistle (SD72P, P Jepson, 2002).

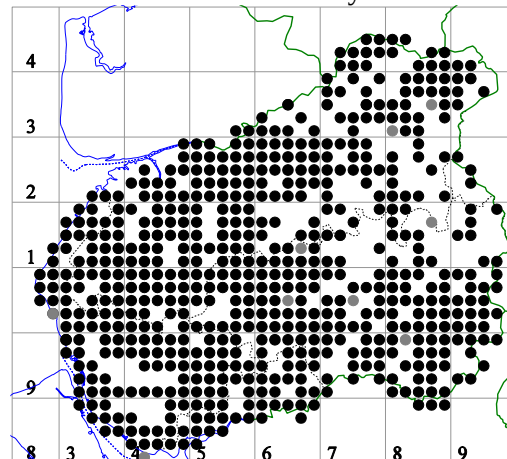
Epilobium x *waterfallii* E.S. Marshall = *E. hirsutum* x *E. palustre*

Status & Distribution: Native; a putative hybrid growing with both putative parent species along a bridle-track north of Ball House (SD8742, DP Earl, 2004).

Habitat: Damp track with flowing water.

Epilobium parviflorum Schreber

Hoary Willowherb





Birkdale DP Earl 2008

Status & Distribution: Native, Least Concern (Red List for England); widespread and common at lower altitudes.

Habitat: Wet meadows, margins of ponds, canals, pavements and waste ground.

Comments: Very variable, increasingly found as a colonist of bare ground and pavements; var. *strictifolium* has been recorded from Freshfield (SD20Z, WG Travis, 1909, *Botanical Exchange Club Report* 1911 p. 94).

Epilobium. x limosum Schur = *E. parviflorum* x *E. montanum*

Status & Distribution: Native; Birkdale Frontal Slack 36 (SD31D, 2003) & Crosby Marine Park (SJ39D, 2005) MP Wilcox & PH Smith; waste ground, St. Helens (SJ59C, MP Wilcox, 2005).

Habitat: Dune-slack and disturbed ground.

Epilobium x dacicum Borbás = *E. parviflorum* x *E. obscurum*

Status & Distribution: Native; Birkdale Frontal Slack 36 (SD31D, MP Wilcox & PH Smith, 2003); Hindley (SD60I, J Lowell, 1998).

Habitat: Dune-slack; waste ground bordering arable field and woodland with both parents.

Epilobium x floridulum Smejkal = *E. parviflorum* x *E. ciliatum*

Status & Distribution: Native; Jubilee Park, Southport (SD31I, 2002); Edge Hill University (SD40I, 2005) & a set-a-side, near Ormskirk (SD40J, 2005) MP Wilcox; Birkdale Frontal Slack 36 (SD31D, MP Wilcox & PH Smith, 2003); Leeds & Liverpool canal, Chorley (SD51Z, DP Earl, 2005).

Habitat: Dune-slacks and disturbed ground.

Epilobium x rivulare Wahlenb. = *E. parviflorum* x *E. palustre*

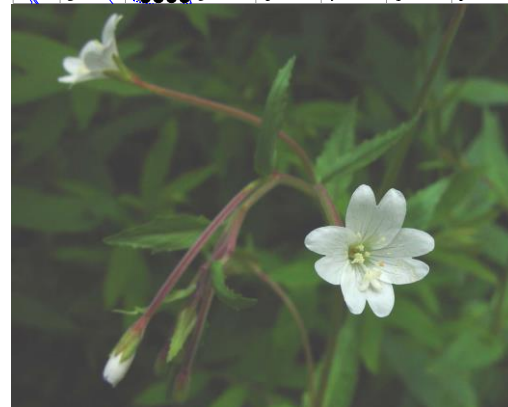
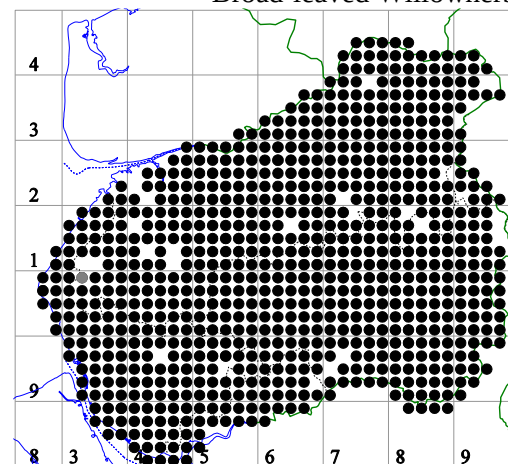
Status & Distribution: Native; Crosby Marine Park (SJ39D, 2004) & Cabin Hill NNR (SD20S, 2006, conf. BSBI referee) MP Wilcox & PH Smith.

Former distribution: Near Southport (SD31I, JA Wheldon, 1894); Freshfield (SD20Z, 1954, det. GM Ash, LIV) & Clerk Hill, Whalley (SD73, 1965, LIV) V Gordon.

Habitat: Damp ground and dune-slacks.

Epilobium montanum L.

Broad-leaved Willowherb



Greaves Hall, Banks DP Earl 2008

Status & Distribution: Native, Least Concern (Red List for England); common and widespread.

Habitat: Woodland tracks and glades, gardens, roadsides, waste ground and streambanks.

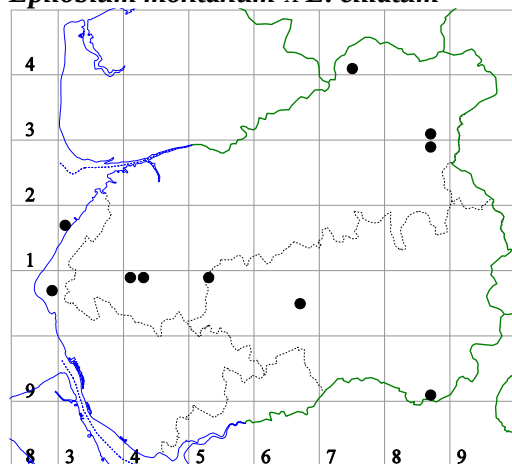
Epilobium x *aggregatum* Celak. = *E. montanum* x *E. obscurum*

Status & Distribution: Native; Burscough (SD41L, 2003) & St. Helens (SJ59C, 2005) MP Wilcox.

Habitat: Disturbed ground and waste ground.

Comments: Thought to be under-recorded, given it is common hybrid (Plant Crib).

Epilobium x *interjectum* Smejkal = *Epilobium montanum* x *E. ciliatum*



Status & Distribution: Native, widely scattered records.

Earliest record traced: is from by Heaton Mersey Bleach Works (SJ89Q, AR Franks, 1996, det. GD Kitchener).

Habitat: Disturbed ground.

Comments: Under-recorded and probably common.

Epilobium lanceolatum Sebast. & Mauri
Spear-leaved Willowherb

Status & distribution: Casual in South Lancashire; Abbey Lane Brickpits (SD40F, MP Wilcox, 2002).

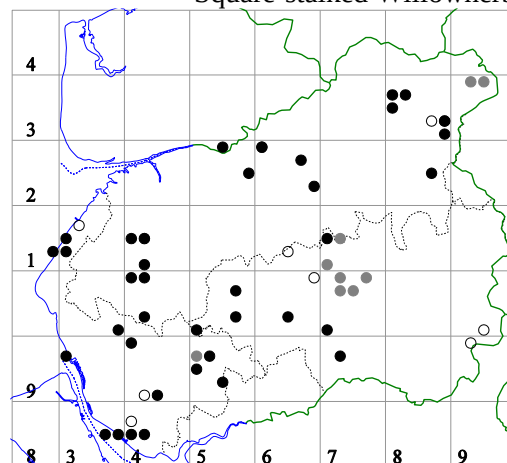
Habitat: Waste ground.

Comments: The main British populations occurring in the south-west of Britain. Records from Clitheroe (SD74L, E Stones, 1977); Croxteth Country Park (SJ49C, A Mahon, 1983) & Warrington (SJ6692, DP

Earl & P Bowdler, 2018) require confirmation.

Epilobium tetragonum L.

Square-stalked Willowherb



Status & Distribution: Native, Least Concern (Red List for England);

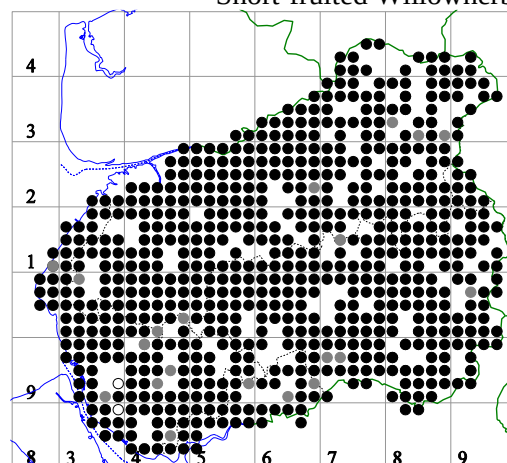
Axiophyte; widespread but adventive.

Habitat: Waste ground and disturbed ground.

Comments: This taxon may be confused with other taxa by some recorders and overlooked by others. Almost all the records made at subspecific level have been determined as ssp. *tetragonum* except for a record determined as ssp. *lamyi* (F. Schultz) Nyman from Croxteth Country Park (SJ49C, Anon., 1982).

Epilobium obscurum Schreb.

Short-fruited Willowherb





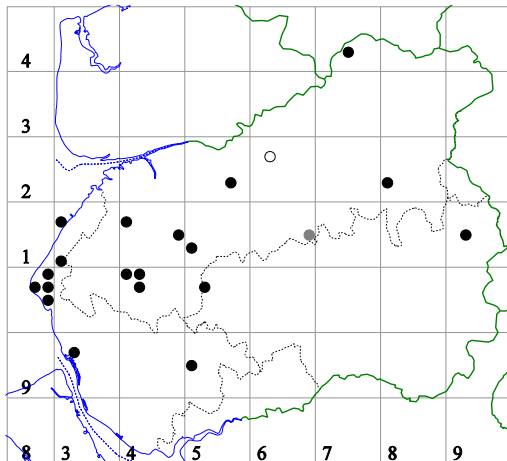
Southport DP Earl 2008

Status & Distribution: Native, Least Concern (Red List for England); common and widespread.

Habitat: Damp meadows, flushes, streambanks, pavements, gardens, waste ground and disturbed ground.

Comments: A var. *strictifolium* Hausske occurred in ditches near the sand-hills, Woodvale (SD31A, Liverpool Botanical Society, 1913, det. ES Marshall).

Epilobium* x *vicinum* Smejkal = *E. obscurum* x *E. ciliatum



Status & Distribution: **Native;** probably a widespread and common hybrid; all recent records have been made by MPW.

Former distribution: Hoghton Bottoms (SD62I, VG, 1956); Belmont Paper Mill (SD61X, VG, 1980).

Habitat: Disturbed ground and waste ground, old quarries and dune-slacks.

Epilobium* x *schmidtianum* Rostkov = *E. obscurum* x *E. palustre

Status & Distribution: Native; Bacup (SD82L, DP Earl, 2003 & 2006).

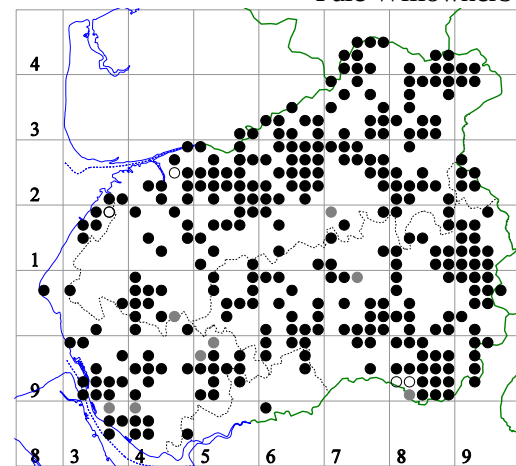
Former distribution: Rainford (SD40Q, JH Lewis, 1873, MANCH); near Stalybridge (SJ99U, AT Harris, 1913, det. ESM).

Habitat: The recent record is from the damp margins of a hill district roadside.

Comments: Probably under-recorded and perhaps frequent in the hill districts.

***Epilobium roseum* Schreb.**

Pale Willowherb



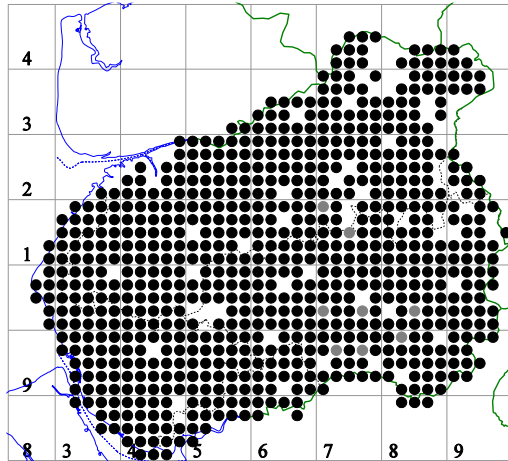
Status & Distribution: Native, Least Concern (Red List for England); now widespread and locally frequent especially in urban areas.

Habitat: Gardens, pavements and waste ground.

Comments: Rapidly increasing in range.

***Epilobium ciliatum* Raf.**

American Willowherb



Formby M Knowles 2008

Status & Distribution: Neophyte-naturalised; now common and widespread.

Earliest record traced: Whitechapel, Liverpool (SJ3490, NF McMillan, 1975, LIV).

Habitat: Pavements, gardens, waste ground, disturbed ground and roadsides; established along streambanks, in flushes and wet grasslands.

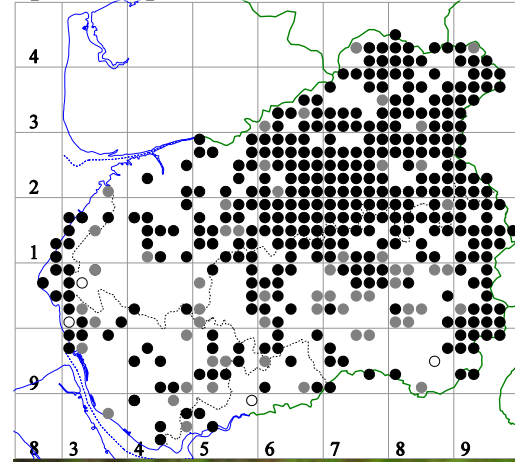
Comments: Native to North America.

Epilobium* x *fossicola* Smejkal = *E. ciliatum* x *E. palustre

Status & Distribution: Neo-native, Birkdale Sandhills (SD31B, MP Wilcox & PH Smith, 2006).

Habitat: Dune-slack.

***Epilobium palustre* L. Marsh Willowherb**



Martin Mere DP Earl 2009

Status & Distribution: Native, Least Concern (Red List for England); common in the hill districts, frequent along the Sefton coast, occasional elsewhere.

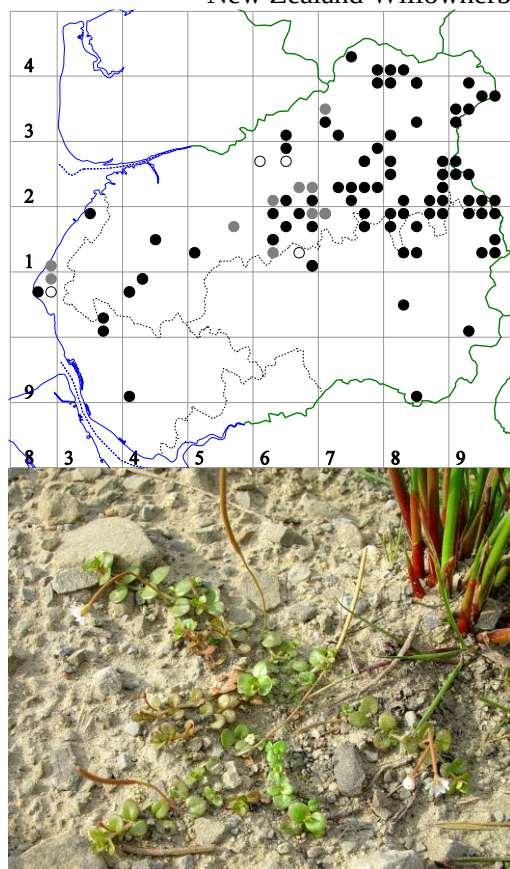
Habitat: Moorland flushes, wet meadows and dune-slacks.

Comments: The var. *pubescens* Coss. et Germ. was recorded from a ditch bank between Woodvale and Barton (SD30J, WG Travis & JA Wheldon, 1915).

***Epilobium brunnescens* (Cockayne)**

Raven & Engelhorn

New Zealand Willowherb



Scout Moor DP Earl 2009

Status & Distribution: Neophyte-naturalised; locally common in the hill districts, very local at lower altitudes. The earliest record traced is from Nelson (SD83P, A Turner, 1933, K).

Habitat: Streamsides, damp rocks, flushes, quarries and tracks; more rarely a weed of gardens.

Comments: Neophyte, native to New Zealand. The record for *E. pedunculare* may well belong here.

***Epilobium pedunculare* Cunn.**

Rockery Willowherb

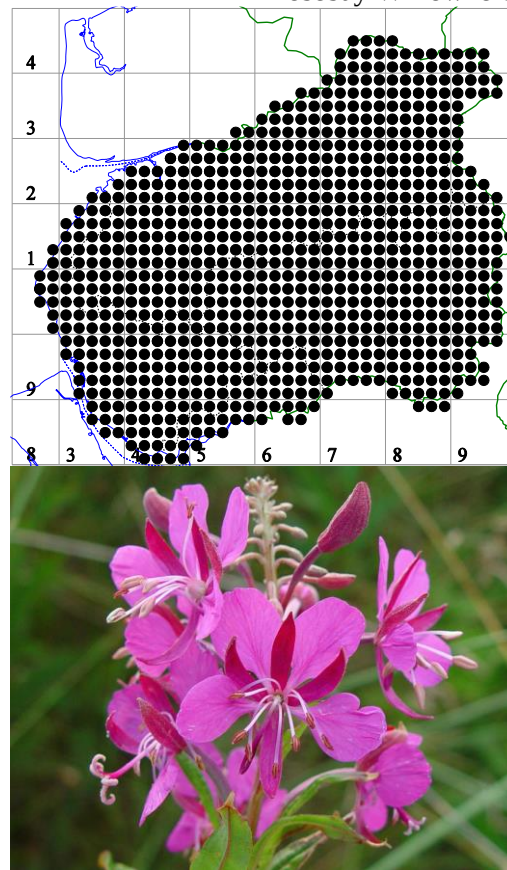
Status & distribution: Neophyte-naturalised; Rivington (SD61, A Hazelwood, 1951).

Habitat: Unknown, perhaps on a rockery in Rivington Gardens.

Comment: Native to New Zealand. This species and possibly another New Zealand species *E. komarovianum* A. Leveille (Bronzy Willowherb) may be under-recorded and should be looked for especially as weeds in gardens and parks.

***Chamaenerion angustifolium* (L.) Scop.**

Rosebay Willowherb



Birkdale DP Earl 2008

Status & Distribution: Native, Least Concern (Red List for England); common.

Habitat: Railway banks, sand-dunes, waste places, burnt areas, industrial spoil heaps, roadsides, peat mosses, woodland borders and clearings.

Comments: Once a localised plant but increased greatly since the 1940's. The wind-blown seeds may have spread via the railway network from adjoining mossland sites to colonise the dune systems and demolition sites in Liverpool & Manchester during WWII and subsequently spread further afield to become a very common plant.

[*Chamaenerion dodonaei* (Vill.) Schur

Dodoen's Willowherb

Status & distribution: Neophyte-casual; A6027 near Horwich Parkway (SD60P, T Hughes, 2002).

Habitat: Roadside cutting.

Comments: Native to southern Europe and western Asia; a feature of the European Alpine flora. This species is

named after the Flemish botanist and Physician Rembert Dodoens.]

Ludwigia x kentiana E.J. Clement

False Hampshire-purslane

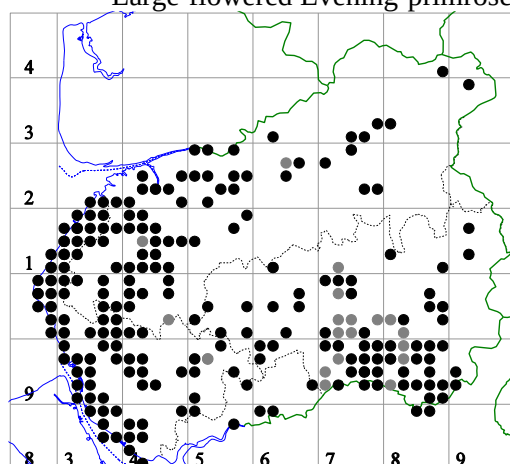
Status & distribution: Neophyte-casual; Manchester Docks (SJ89D, L Adams *BEC Report* 1927 p. 397 as *L. palustris*, LTN); Rochdale Canal, Failsworth (SD80V, VG, 1960 LIV, Rev CE Shaw & JE Lousley, 1960, BM).

Habitat: Canals.

Comments: This hybrid was recently described by EJ Clement (*Watsonia* 23: 167-172). Plants of this aquatic species were naturalised for several years in the Rochdale Canal. It is plausible that the Manchester Docks material may have been distributed via the Botanical Exchange Club and there may be a series of voucher specimens in several herbaria.

Oenothera glazioviana Micheli ex C. Martius

Large-flowered Evening-primrose



Southport DP Earl 2008

Status & Distribution: Neophyte-naturalised; now common along the coast and locally common in the lowlands

especially in the urban areas, very local in the north-east.

Earliest record traced: Dunes near Southport (SD31, C Bailey, 1881).

Habitat: Sand-dunes, railway lines, industrial soil heaps, waste ground and disturbed ground, usually on light soils.

Comments: Native to North America.

Oenothera glazioviana* x *O. x fallax

Distribution: Neo-native-naturalised; Uncertain, but probably common along the coast and may occur inland.

Habitat: Sand-dunes.

Oenothera x britannica Rostánski = *O.*

glazioviana (female) x *O. cambrica*

Distribution: Neo-native-naturalised; Seaforth Nature Reserve (SJ39D, V Gordon, 1989, PH Smith, 2004); Manchester Road, Rochdale (SD81W, AR Franks, 1992, det., J Bowra).

Former distribution: Hightown (SD20W, AJ Farmer, 1946, MANCH, det. J Bowra).

Habitat: Sand-dunes and disturbed ground.

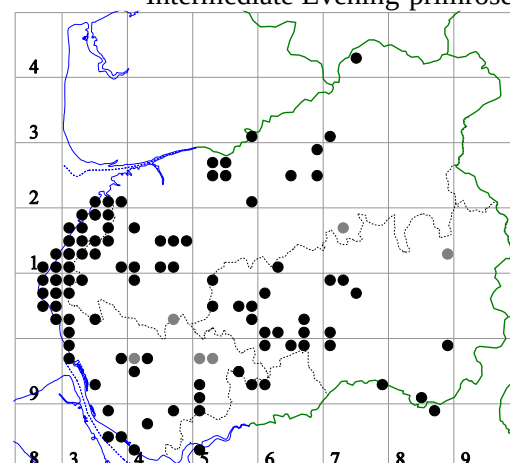
Comments: Considered to be under-recorded.

Oenothera x fallax Renner

= *O. glazioviana* stable female x *O.*

biennis male derivative

Intermediate Evening-primrose





Ravenmoels PH Smith 2008

Status & Distribution: Neo-native, naturalised, Nationally Uncommon; common along the coast, locally frequent in the Wigan area and occasional elsewhere.

Habitat: Sand-dunes, industrial soil heaps, railway lines, waste and disturbed ground, especially on light soils.

Comments: Many of the records for *O. biennis* may belong here. Triple hybrids have been recorded and include *O. x fallax* x *biennis* and *O. x fallax* x *O. cambrica*.

Oenothera x fallax x *O. biennis*

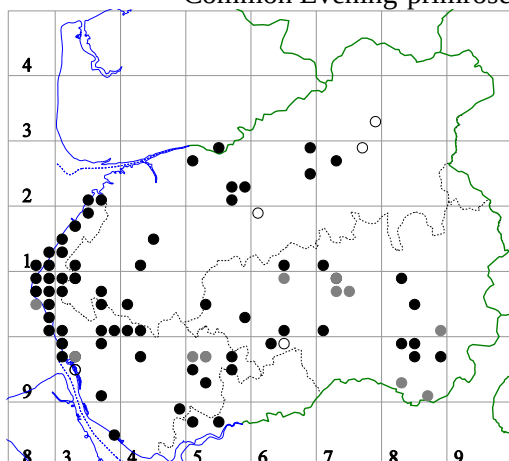
Status & Distribution: Neo-native, naturalised; possibly frequent along the coast and may occur inland.

Habitat: Sand-dunes.

Comments: Recorded from studies of dune populations.

Oenothera biennis L.

Common Evening-primrose



Crosby M Knowles 2008

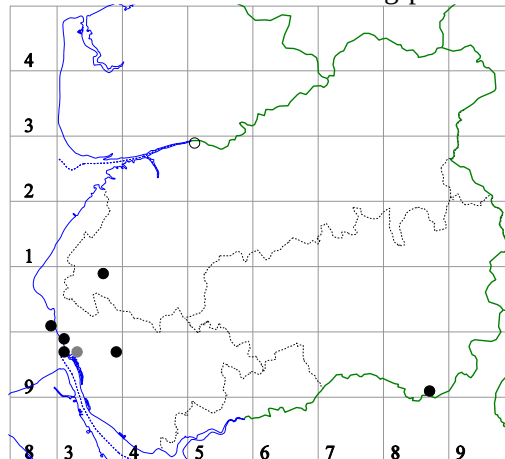
Status & Distribution: Neophyte, naturalised; frequently recorded along the coast and occasionally inland.

Habitat: Sand-dunes and disturbed ground.

Comments: Considered native to Canada and the USA. PH Smith points out that very convincing plants appear annually just south of Crosby Baths. This population shows no sign of hybridisation, despite occurring close to *O. glazioviana* and *O. x fallax*. *Oenothera cambrica* Rostánski is now regarded as a segregate of this species.

Oenothera cambrica Rostánski

Small-flowered Evening-primrose



Status & Distribution: Neophyte-naturalised; Opposite Preston Docks (SD52E, E Hodgson, 1967) as *O. parviflora* L. but probably this species; Didsbury tip (SJ89Q, E Stones, 1974). Seaforth Nature Reserve to Hall Road dunes (SJ39D, SJ39E & SD30A, PH Smith); Aintree old railway (SJ39Y, MP Wilcox, 2003); Trans-Pennine Trail, Heaton Mersey (SJ8790, D Bishop, 2009);

Trundle Pie Lane, Halsall (SD3708, M Dean & R Hill, 2017).

Habitat: Disturbed ground, sand-dunes and railway tracks.

Comments: Considered native to North America; a record of *O. biennis* var. *parviflora* from Southport (SD31, JD Firth, 1916, det. A Thellung) may belong here.

Oenothera* x *fallax* x *O. cambrica

Status & Distribution: Neo-native, naturalised; field between North Drive and Ullet Road, Sefton Park (SJ38T, JW Burton, 1874, MANCH, det. JC Bowra); waste ground, Knowsley Road, Southport (SD31P, C Bailey, 1896, MANCH).

***Oenothera stricta* Ledeb. ex Link**

Fragrant Evening-primrose

Status & distribution: Neophyte, naturalised; Crosby (SJ39E, R Brown, 1879); south-east of Liverpool (SJ48, JW Burton, 1875, BON). Kirkby (SD41000, RFG, 2005).

Habitat: Sand-dunes and disturbed ground.

Comments: Native to Chile.

***Oenothera humifusa* Nutt.**

Seabeach Evening-primrose

Status & distribution: Neophyte, casual; Chorley (SD51U, J Hargreaves, 1911, det. C Bailey).

Comments: Native to the USA, Bermuda and Cuba.

***Oenothera laciniata* Hill**

Cut-leaved Evening-primrose

Status & distribution: Neophyte, casual; a single plant, by the canal, Ford (SJ39J, JA Wheldon & WG Travis, 1913).

Comments: Native to North America; originally recorded as *O. sinuata* L.

***Oenothera versicolor* Lehm.**

Sunset Evening-primrose

Status & distribution: Neophyte-casual; Salford (SJ89E, J Clarke, c. 2002, det. DP Earl).

Habitat: Disturbed ground.

Comments: Native to the Andes. The strong red flowers and lanceolate leaves suggested that the plant was the known as 'Sunset Boulevard'.

***Clarkia unguiculata* Lindley** **Clarkia**



Fowley Common DP Earl 2009

Status & distribution: Neophyte-casual; Rosemary Lane, Haskayne (SD30U, DP & J Earl, 2004); Switch Island (SF30Q, RF Goodchild, 2006); Fowley Common (SJ6795, DP Earl & P Bowdler, 2009).

Habitat: Disturbed ground and a farm tip.

Comments: Native to California.

***Clarkia ameona* (Lehm.) Nelson & J.F.**

Macbr.

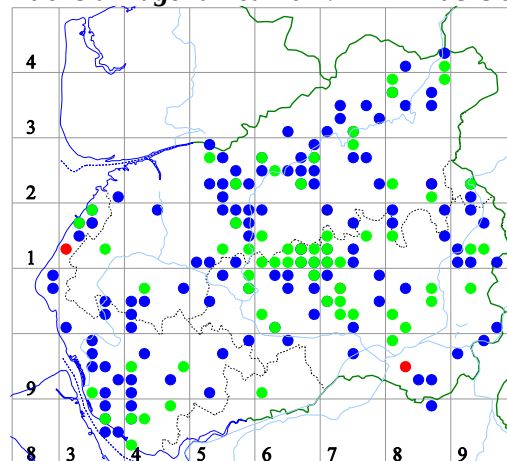
Godetia

Status & distribution: Neophyte-casual; Switch Island, Maghull (SD30Q & SJ39U, RF Goodchild, 2006); Helmsore (SD72R, DP Earl, 2006); (SD80M, C Walsh, 2015).

Habitat: Disturbed ground.

Comments: Native to America.

***Fuchsia magellanica* Lam.** **Fuchsia**





Upholland DP Earl 2009

Status & distribution: Neophyte, naturalised; widespread as a garden escape.

The earliest record traced is from Bradford Reservoir (SD70I, D Downing, 1993).

Habitat: Wood borders, railway banks, riverbanks, waste ground, hedges and sand-dunes.

Comments: Native to Chile & Argentina. Plants are usually present as single bushes.

Fuchsia 'Riccartonii'

Status & distribution: Neophyte, casual; Edge Green, Golborne (SJ5998, DP & J Earl, 2007) Leeds & Liverpool Canal (SJ3798, DP & J Earl, 2019).

Habitat: Path sides near housing.

Comments: Of horticultural origin.

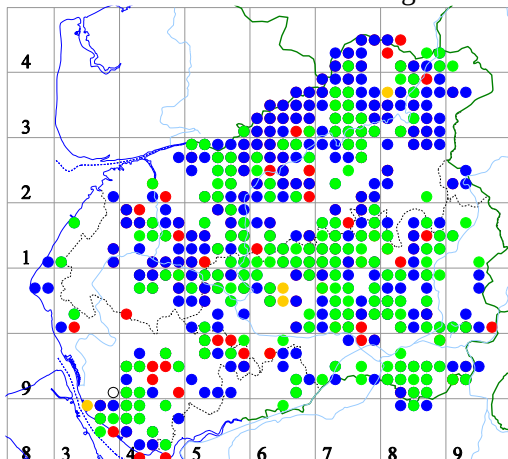
Fuchsia 'Corallina'

Status & distribution: Neophyte, casual; Briers Hey, Rainhill (SJ4990, G Slack & J Flanagan, 2007); Paignton Road, Childwall (SJ4089, H Harris, 2013); Berry House (SD4216, P Brooks, 2022).

Comments: Of horticultural origin.

Circaea lutetiana L.

Enchanter's-nightshade



Walton-le-Dale DP Earl 2020

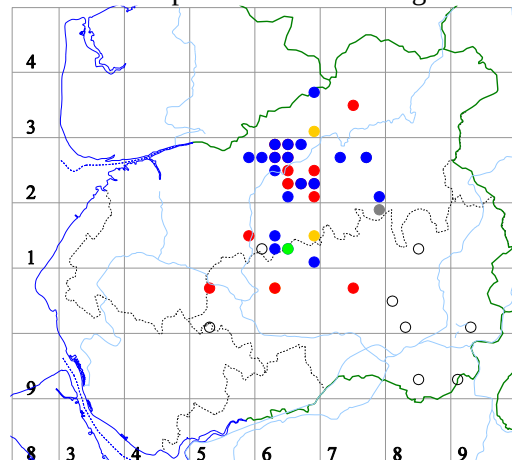
Status & Distribution: Native, Least Concern (Red List for England); a common plant of woodlands particularly along river systems, scarce on the coastal plain within a few old woodlands and as an adventive.

Habitat: Woods, cloughs, shaded banks and gardens.

Comments: Thought to be nitrophilous; increasingly frequent in gardens arriving via the fur of pets and grey squirrels.

Circaea x intermedia Ehrh. = *C. alpina* L. x *C. lutetiana*

Upland Enchanter's-nightshade



Sunnyhurst Wood DP Earl 2009

Status & Distribution: Native, Axiophyte; locally frequent in the Darwen Valley and the West Pennine Moor area, very local elsewhere.

Habitat: Clough and steep valley woodlands generally associated with slightly flushed areas with base enrichment.

Comments: This sterile hybrid shows a spectrum of variation between the parent species. The South Lancashire populations may be of considerable age and represent a genetic link with former post-glacial populations of *C. alpina*. Historic records of *C. alpina* from Borsdane Wood belong here.