

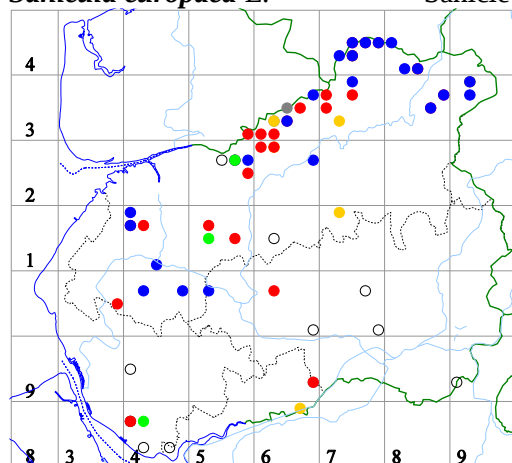
APIACEAE

Carrot family

SUBFAMILY 1 - SANICULOIDEAE

Sanicula europaea L.

Sanicle



Blackburn DP Earl 2009

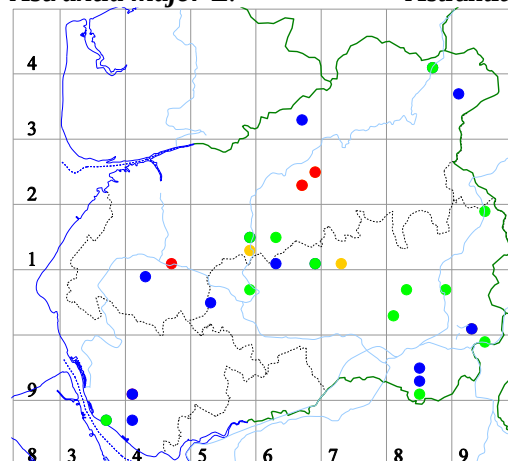
Status & distribution: Native, Near Threatened (Red List for England); Xerophyte, a localised plant most frequent in the Ribble valley catchment area, apparently rare and possibly declining elsewhere.

Habitat: Woods on basic soils, grassy banks and roadside banks in the Downham area.

Comments: Note the lack of records for 2020 onwards indicating the need to revisit known sites.

Astrantia major L.

Astrantia



Upholland DP Earl 2009

Status & distribution: Neophyte-naturalised; a widely scattered occasional garden escape.

Earliest record traced: Wooded grounds of the Riversdale Estate by the River Medlock (SD90F, Rev CE Shaw & A Hitchon, 1960).

Habitat: In ornamental woodlands, abandoned gardens, lane-sides by cottages, suburban railway cuttings.

Comments: Native to mainland Europe.

***Eryngium planum* L.** Blue Eryngo



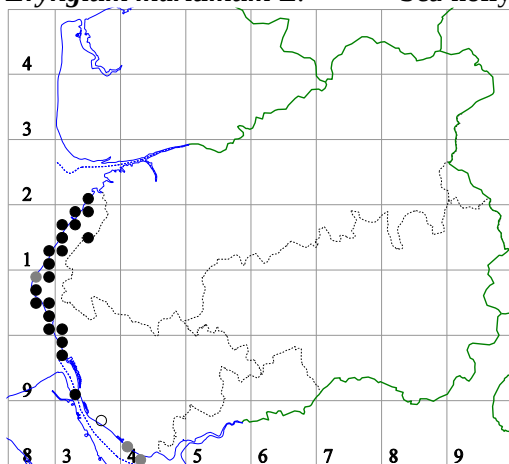
Formby DP Earl 2009

Status & distribution: Neophyte-naturalised; waste ground St. Helens (SJ59C, MP Wilcox, 2005 det. E Clement); Crank (SJ5099, 2009 & 2013); Formby Industrial Estate (SD3106, 2009); Witton (SD6627, 2011) & Pincock (SD5517, 2015) DP & J Earl.

Habitat: Derelict land, industrial grounds and a weed in lawns.

Comments: Native to Europe & temperate Asia. This species is grown in gardens as an ornamental plant used in flower arranging.

***Eryngium maritimum* L.** Sea-holly



Southport DP Earl 2008

Status & distribution: Native, Near Threatened (Red List for England); Axiophyte, locally common along the coast from Seaforth to Crossens, also in docklands at Liverpool (SJ39F, SJ White, 2001); occurred amongst imported coastal sand at Bentham Tip, Southport (SD3415, DP & J Earl, 2010). Plants should be look for about Garston and Speke.

Habitat: Sand-dunes and sandy ground by the sea.

Comments: Elected the Plant Life emblem for Liverpool.

***Eryngium amethystinum* L.**

Italian Eryngo

Status & distribution: Neophyte-casual; two isolated plants, Cambridge Road, Waterloo (SJ3297, V Gordon, 1955).

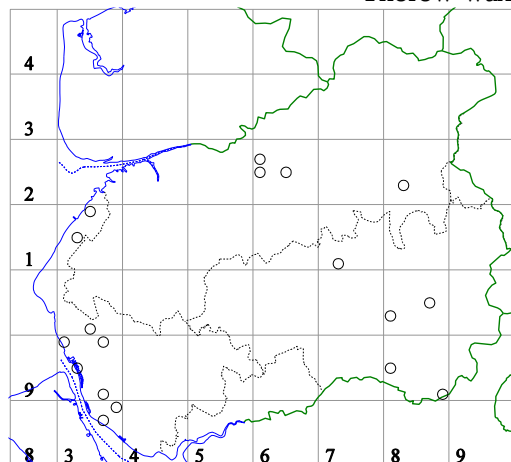
Habitat: Sandy ground.

Comments: Native to Italy and the Balkans. This species is grown in gardens as an ornamental plant used in flower arranging.

SUBFAMILY 2 - APIOIDEAE

Bupleurum rotundifolium L.

Thorow-wax



Status & distribution: Archaeophyte-colonist, Critically Endangered (Red List for England); a widely scattered occasional casual in the past. The last records traced are from the Clitheroe district (SD74, J Ainsworth, 1960); Stockport (SJ89V, Anon., 1961, MANCH). There are un-localised records for SD20 & SD74.

Habitat: Gardens, waste ground.

Comments: Native to mainland Europe.

Bupleurum subovatum Link ex Sprengel

False Thorow-wax



Bamber Bridge DP Earl 2011

Status & distribution: Neophyte-casual; Accrington (SD72P, Accrington Natural History Society, 1907); garden weed at Walton (SJ39M, WG Travis, 1909); waste ground between Walton and Bootle (SJ39M, JA Wheldon, 1913); Padiham (SD73X, FC Long); Accrington Tip (SD72P, A Hitchon, 1959). Switch Island (SJ3699 & SD3600, RF Goodchild, 2006); Bamber Bridge (SD5625, DP & J Earl,

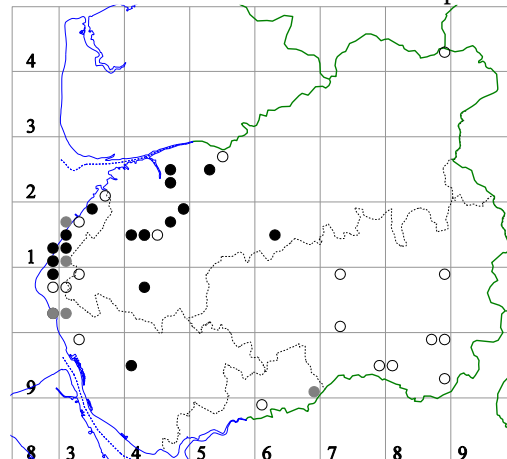
2011); wildflower sowing, Haigh Hall (SD5908, Grey to Green Project, 2014, det. DP Earl).

Habitat: Waste ground, tips and gardens.

Comments: Native to the Mediterranean region.

Oenanthe fistulosa L.

Tubular Water-dropwort



Status & distribution: Native, Vulnerable (Red List for England); Axiophyte, once frequent along the coast from Ainsdale to Birkdale but now much reduced in the dune system to three extant small populations; a few localised populations occur between Croxteth (SJ41894) & Farington (SD5324); once occasional in the Manchester area but there are no recent records.

Habitat: Dune-slacks, marshes, old riverbeds and ponds.

Comments: Populations appear to be declining, especially inland. The isolated record from the Rivington Hall Barn area (SD6214, PR Smith, 1998) requires confirmation.

Oenanthe pimpinelloides L.

Corky-fruited Water-dropwort

Status & distribution: Native, Nationally Uncommon, Least Concern (Red List for England); Critically Endangered at the vice-county level, Hurst Well Valley (SD83R, P Hornby, 2003, det. P Jepson & M Southam) but an earlier record from C Barber 1986 has recently been traced.

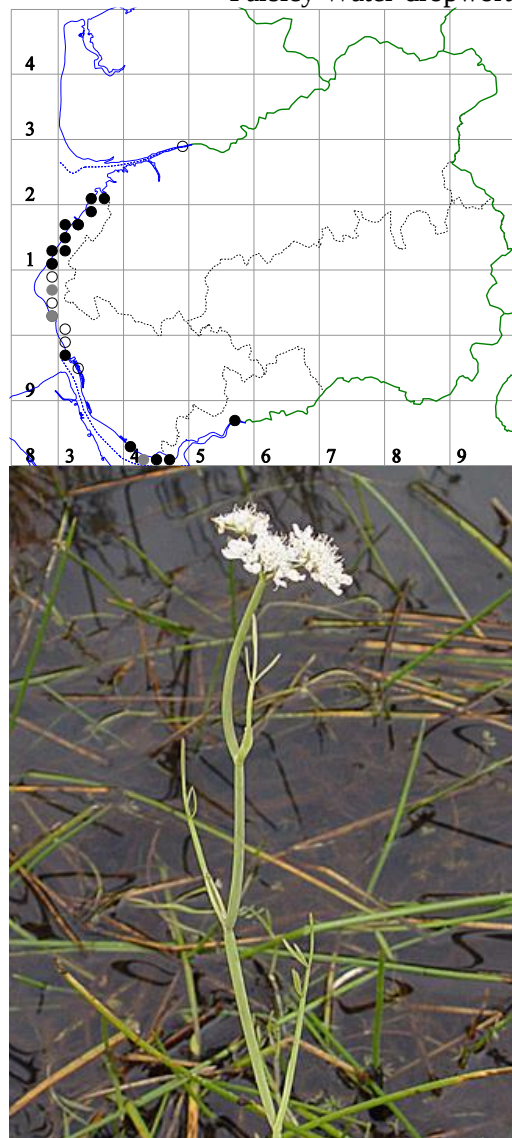
Habitat: Tall-herb grassland on the edge of scrub, occurring over several square metres.

Comments: This is an outstanding record given the national distribution of this

species. The location is away from habitation and may be regarded as native. A record for Bradford Park Tip, Bolton (SD70J, BON, *Greenlees & Holden* 1920) is thought to be a misidentification.

***Oenanthe lachenalii* C. Gmelin**

Parsley Water-dropwort



Birkdale Green Beach J Somerville 2008

Status & distribution: Native, Near Threatened (Red List for England); Axiophyte, occurs along the coast with an increase in abundance along the Mersey Estuary; at Crosby Marine Park (SJ39D) since 1996; now locally abundant at intervals along the coast from Ainsdale to Crossens.

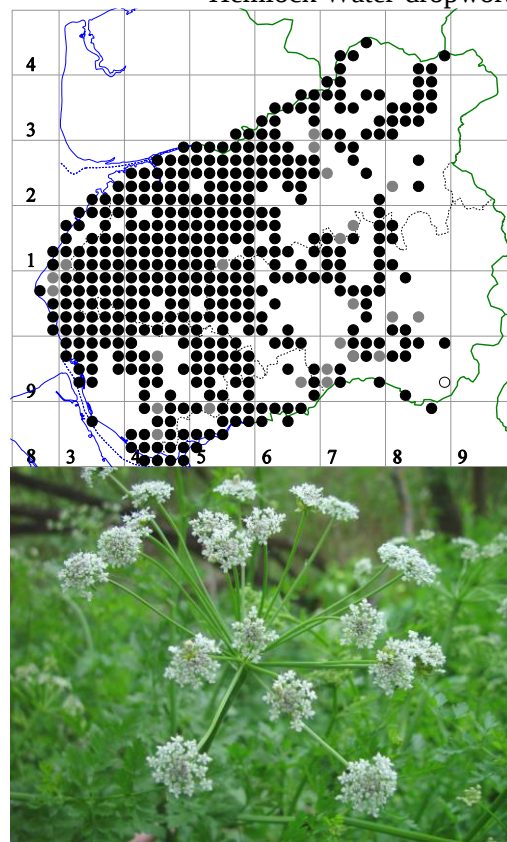
Habitat: Brackish marshes, saltmarshes and ditches near the sea.

Comments: Possibly overlooked in recently times along the Ribble Estuary as

the marshes are grazed by sheep and cattle.

***Oenanthe crocata* L.**

Hemlock Water-dropwort



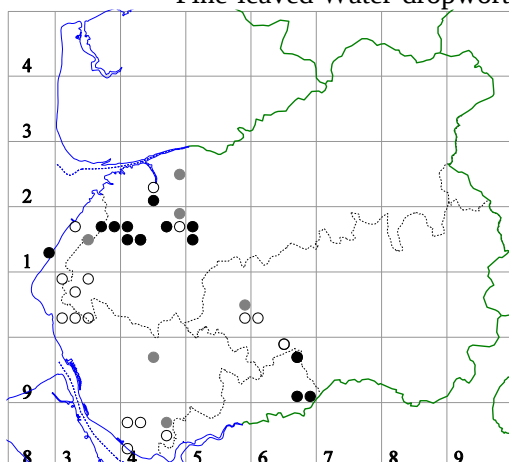
Warrington DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); common in the west to the north and east of Liverpool, with populations extending further inland along rivers and the canal network.

Habitat: River flood-zones, wet woods and swamps, pond, reservoirs and canal margins.

Comments: A form known as var. *tenuifoliata* Druce was recorded from a dune slack at Freshfield (SD20Z, FW Holder, *Botanical Exchange Club Report* 1929 p. 117).

***Oenanthe aquatica* (L.) Poiret**
Fine-leaved Water-dropwort



Status & distribution: Native, Least Concern (Red List for England); Axiophyte, scattered small often short-lived populations on the coastal plain between Ainsdale & Eccleston; rare elsewhere at a pond at Fowley Common (SJ6696, DP Earl, 1995); Rixton Moss (SJ6691, 2004) and at Rixton Clay Pits (SJ6890) where a good population was still present in 2010.

Habitat: Ponds, ditches, wet meadows and dune-slacks.

Comments: Plants are seldom in great numbers and small populations are very vulnerable to ditch dredging operations. An old record for *Oenanthe fluviatilis* (Bab.) Coleman from Martin Mere (SD42H, Mr. Gibson Snr., *Proceedings of the Lancashire Naturalists Field Club* 1870, 869) is likely to have been *Oenanthe aquatica*.

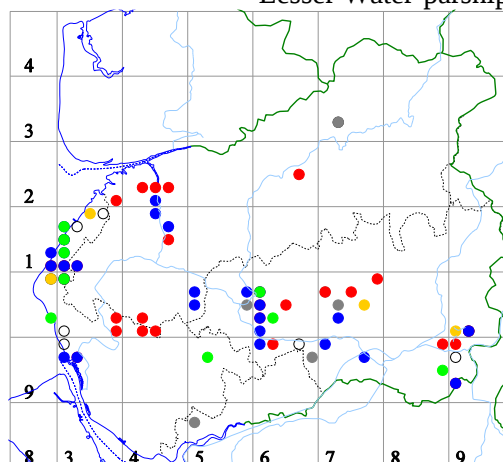
***Sium latifolium* L.** Greater Water-parsnip

Status & distribution: Native, Nationally Scarce, Endangered (Red List for England); Critically Endangered at the vice-county level, Bridgewater Canal, Eccles (SJ79T, MPG Tolfree, c. 2000, herb. DP Earl).

Former distribution: Culcheth (SJ69S, J Evans *Grindon* 1859); Tyldesley (SD60V, J Evans *Grindon* 1859) & Worsley (SD70K, J Evans *Grindon* 1859).

Habitat: Canal margin; the historic records may have been from pond margins?

***Berula erecta* (Hudson) Cov.**
Lesser Water-parsnip



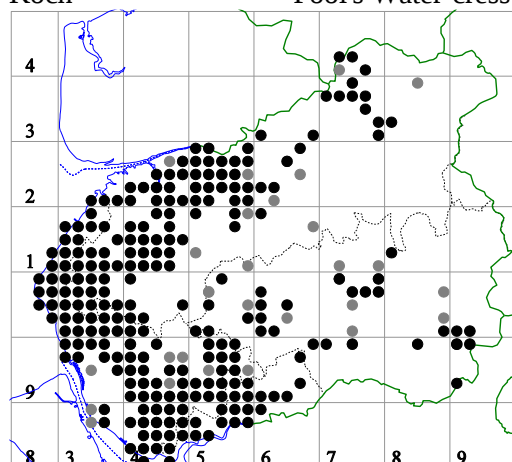
Crankwood J Somerville 2008

Status & distribution: Native, Least Concern (Red List for England), Axiophyte; mainly western on the coastal plain with a good cluster of records further inland for the Wigan Flashes area, occasional elsewhere.

Habitat: Ditches, pond margins, canal sides, marshes and dune-slacks.

Comments: Some records might be errors for erect growing forms of *Apium nodiflorum*, especially when ditch and pond levels decline rapidly following spells of hot weather.

***Helosciadium nodiflorum* (L.) W.D.J. Koch** Fool's Water-cress



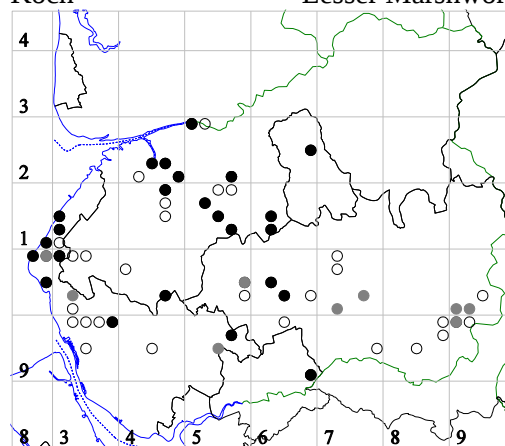
Birkdale DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); locally common in the western lowlands, occasional to frequent elsewhere, rare in some urban areas and virtually absent from much of the hill districts and not recorded for several 10km squares.

Habitat: Ditches, marshes, pond margins and the canal network.

Comments: WG Travis recorded var. *pseudorepens* (Watson) Druce from dune-slacks between Freshfield and Ainsdale (SD21V).

***Helosciadium inundatum* (L.) W.D.J. Koch** Lesser Marshwort



Status & distribution: Native, Vulnerable (Red List for England); Axiophyte, formerly locally frequent along the coast from Hightown to Birkdale and in marl pits about the Chorley and South Ribble districts but declined significantly in recent years, now considered rare elsewhere.

Habitat: Shallow margins of dune-slacks, marl pits, clay pits, ditches, canals, old fields with shallow pools and reservoir draw-down zones.

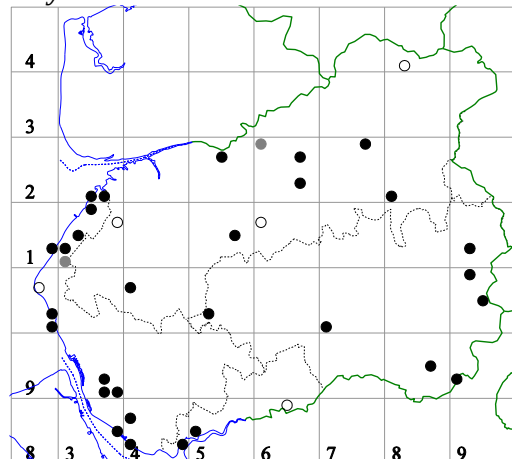
Comments: Formerly more frequent in the lowlands, declined due to urban expansion, drainage of fields and the filling of ponds.

***Cicuta virosa* L.** Cowbane

Status & former distribution: Native, Nationally Uncommon, Least Concern (Red List for England); near Allerton Hall (SJ48C, H Shepherd, 1822); Foxhill Meadows, Barton (SJ79I, Grindon 1859).

Habitat: Pond margins and the edge of ditches.

***Smyrniololusastrum* L.** Alexanders



Marshside DP Earl 2008

Status & distribution: Archaeophyte-denizen, Least Concern (Red List for England); mainly western and coastal but increasingly naturalised further inland.

Earliest records traced: Barley (SD84F, H Robinson, 1903) & Woolston, near Warrington (SJ68, Dunlop 1908) where this species had escaped from a cottage garden.

Habitat: Roadsides and dunes along the coast, hedgebanks, woodland borders and disturbed ground near habitation inland.

Comments: Native to southern Europe and north-western France.

***Smyrniololusastrum* L.**

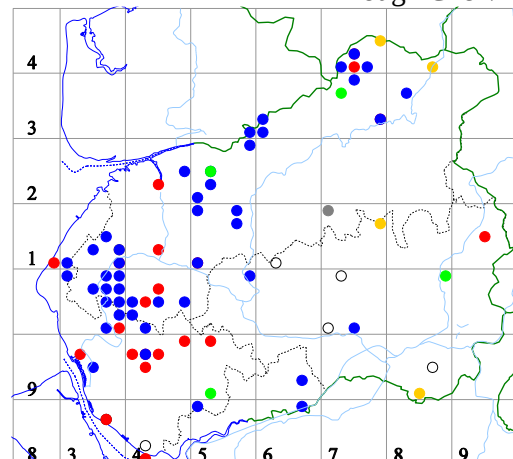
Perfoliate Alexanders

Status & distribution: Neophyte-naturalised; Formby (SD2906, J Styles, 2017).

Comments: Native to Southern Europe.

***Chaerophyllum temulum* L.**

Rough Chervil



Formby DP Earl 2008

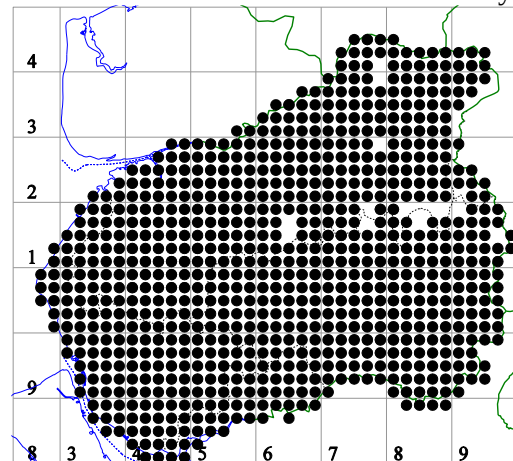
Status & distribution: Native, Least Concern (Red List for England);

Axiophyte, markedly western, being most frequent on the coastal plain with localised populations extending up along the Ribble Valley; very local elsewhere.

Habitat: Hedgebanks (often along roadsides), field and woodland borders.

***Anthriscus sylvestris* (L.) Hoffm.**

Cow Parsley





Wavertree DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); common and probably only absent from areas dominated by saltmarshes and high moorland.

Habitat: Roadsides, hedgerows, rank grassland, woodland borders, streamsides, riverbanks, railway banks and waste ground.

Anthriscus cerefolium (L.) Hoffm.

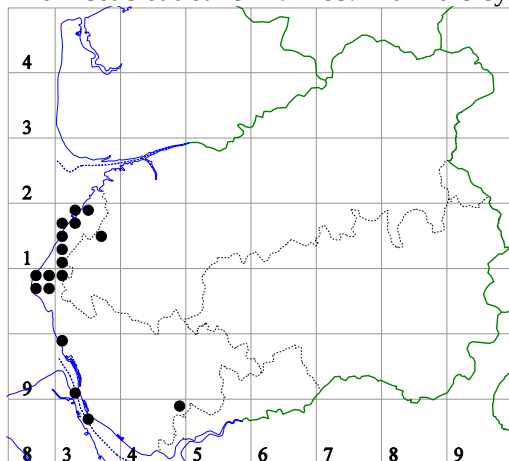
Garden Chervil

Status & distribution: Neophyte-casual; Whalley Abbey (SD73I, S Hailstone 1807, *Rep. Yorks. Phil. Soc.* 1901) & east of Ox Lane, Tarbock (SJ4688, S Fletcher, 2010).

Habitat: On waste soil.

Comments: Native to south-eastern Europe.

Anthriscus caucalis M. Bieb. Bur Parsley



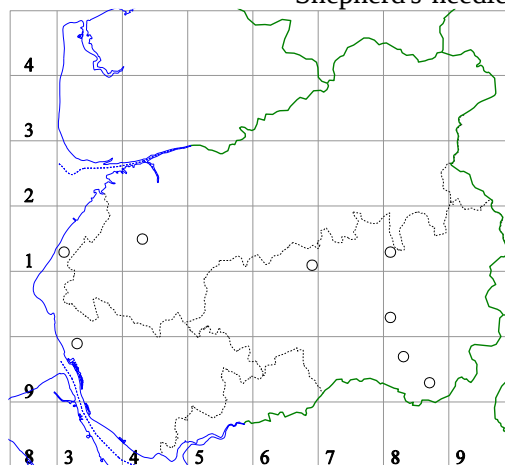
Weld Road, Southport DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); Axiophyte, locally frequent along the coast extending eastwards to Scarisbrick (SD31R, DP & J Earl, 2000); very rare further inland on a red sandstone outcrop at Pex Hill (SD48Z, DP Earl, 2000).

Habitat: Sand-dunes and open ground on well-drained sandy soils. A colonist of pavement cracks around Southport Marine Lake.

Scandix pecten-veneris L.

Shepherd's-needle



Status & former distribution:

Archaeophyte-colonist, Critically Endangered (Red List for England); Extinct, formerly considered occasional or frequent. There are few specific locations given historically but records traced are from Southport (SD31, *Glazebrook* 1826); Manchester (SJ89, JB Wood, 1840, MANCH); Chesham (SD81B, Anon., 1844, MANCH); Liverpool (SJ39, JH Lewis, 1872, MANCH); roadside inland of Hightown Station (SD30B, Anon., 1884); fields near Ford (SJ39J, JA Wheldon, 1892); Smithills (SD61V,

Greenlees & Holden 1920); Burnage (SJ89R, H Britten, 1923, MANCH); Martin Mere (SD41H, *Green* 1933).

Habitat: Cornfields and disturbed ground.

Comments: It is known that this species declined as an arable weed as the purity of imported grain was increased.

***Scandix australis* L.**

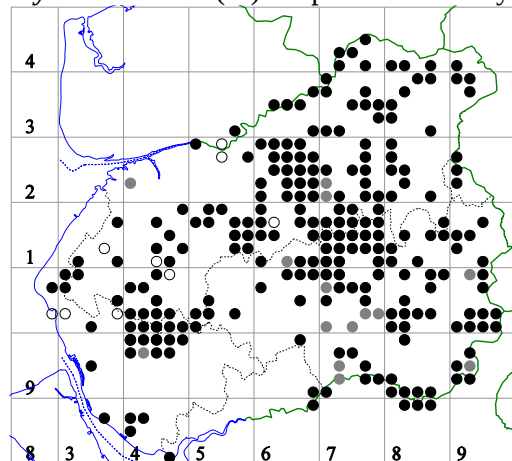
Southern Shepherd's-needle

Status & distribution: Neophyte-casual; between Walton and Aintree (SJ39N, 1892) & rubbish tips by the canal, Ford (SJ39J, 1913) JA Wheldon.

Habitat: Waste ground and tips.

Comments: Native to southern Europe and Asia.

***Myrrhis odorata* (L.) Scop. Sweet Cicely**



Mawdesley DP Earl 2009

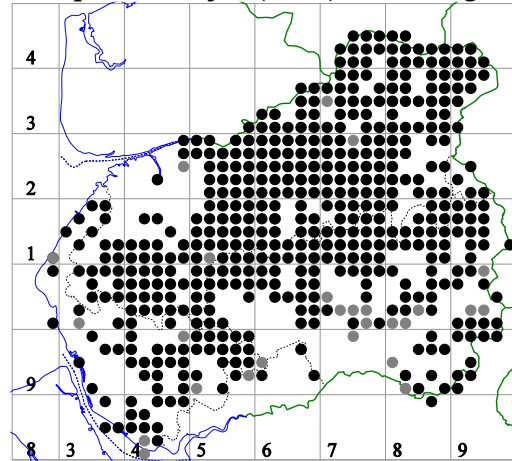
Status & distribution: Neophyte-naturalised; most frequent in the hill districts and along the river valleys, occasional to locally common elsewhere as an escape from cultivation.

Earliest record traced: Banks of the Irwell, Broughton (SD8200, JB Wood, 1840, MANCH).

Habitat: Riverbanks, streamsides, grasslands, roadsides and railway banks.

Comments: Native to the mountains of central & southern Europe.

***Conopodium majus* (Goan) Loret Pignut**



Padiham DP Earl 2008

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

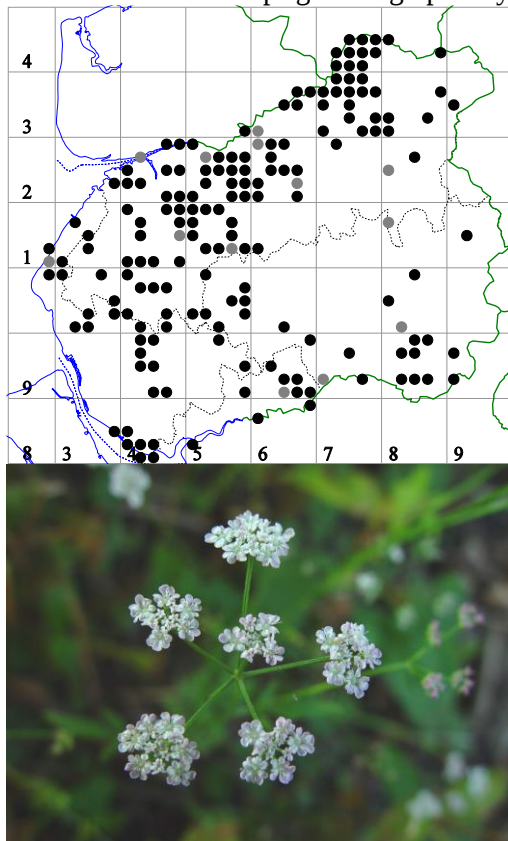
Habitat: Pastures especially in the hill districts and along river valleys, woods and hedgebanks.

Comments: Much reduced in meadows due to agricultural intensification but still a feature of upland fringe grasslands. Populations in urban woodlands can be

much reduced by excessive trampling and public use.

***Torilis japonica* (Houtt.) DC.**

Upright Hedge-parsley



Calderstones, Whalley DP Earl 2009

Status & distribution: Native, Least Concern (Red List for England); Axiophyte, occasional to locally common in the lowlands; frequent in the Ribble Valley about Clitheroe.

Habitat: Hedgerows, woodland borders, lane sides and unimproved meadows.

***Torilis arvensis* (Hudson) Link**

Spreading Hedge-parsley

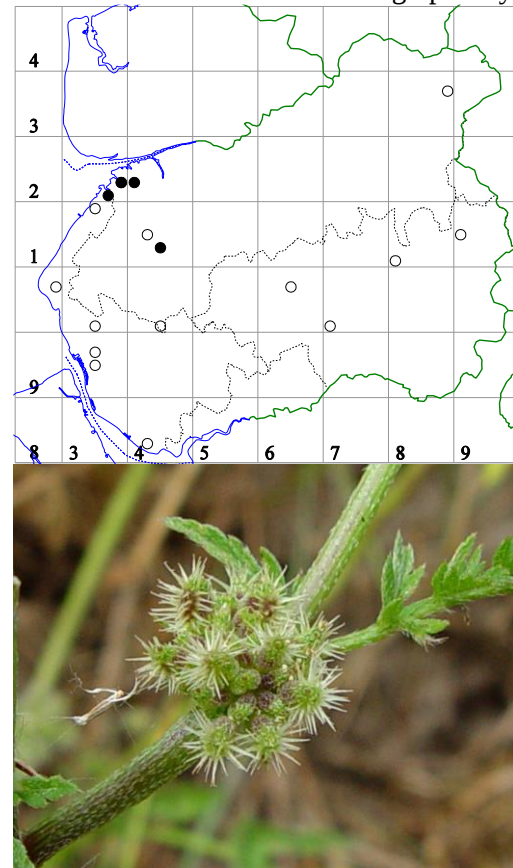
Status & former distribution:

Archaeophyte-colonist, Nationally Scarce, Endangered (Red List for England); lane between Pendleton Hall and Little Mearley Hall (SD74Q, *Flora of Stoneyhurst* ed. 2. 1891); near Sabden (SD73T, FW Spencer, n.d.).

Comments: Endangered; Native to mainland Europe.

***Torilis nodosa* (L.) Gaertner**

Knotted Hedge-parsley



Banks DP Earl 2008

Status & distribution: Native, Endangered (Red List for England); Rare (3) once frequent to locally abundant on the sea banks between Crossens & Hundred End (SD32Q, SD32W, SD42B, DP & J Earl, 1995) but appears to have declined as the embankments have become dominated by rank grassland. Also found in short turf by Moss Farm, Martin Mere (SD41L, DP Earl, 1996) but the plants did not persist. There are historic records limited to 10km precision for SJ49 & SD50.

Former distribution: More widely distributed further inland in the past but perhaps only casual in occurrence.

Habitat: Sea banks, short turf, railway sidings, dry fields and hedgebanks.

***Torilis neglecta* Roem. & Sch**

Status & distribution: Neophyte-casual; Crown Wallpaper Tip (SD7019, Rev CE Shaw, 1960-1961).

***Caucalis platycarpus* L.**

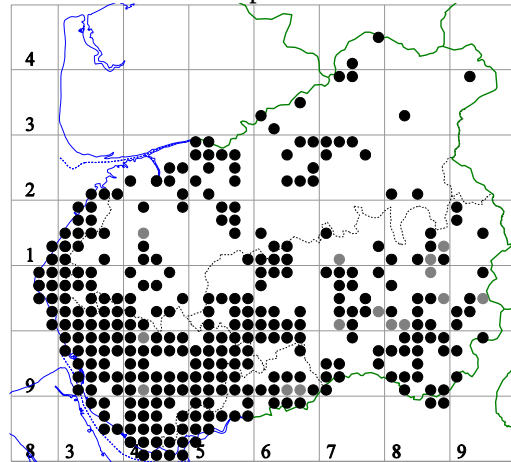
Small Bur-parsley

Status & distribution: Archaeophyte-colonist-casual; a single plant as a garden weed at Walton (SJ39M, JA Wheldon, 1892) growing in association with *Turgenia latifolia* and *Torilis nodosa*; Primrose Sidings, Clitheroe (SD74F, T Hargreaves, n.d.).

Habitat: Garden weed, railway sidings.

Comments: Native to mainland Europe. Note that the records for this species and *Turgenia latifolia* (L.) Hoffm. were confused in Savidge *et al* (1963).

***Daucus carota* L. ssp. *carota* Wild Carrot**



Southport DP Earl 2008

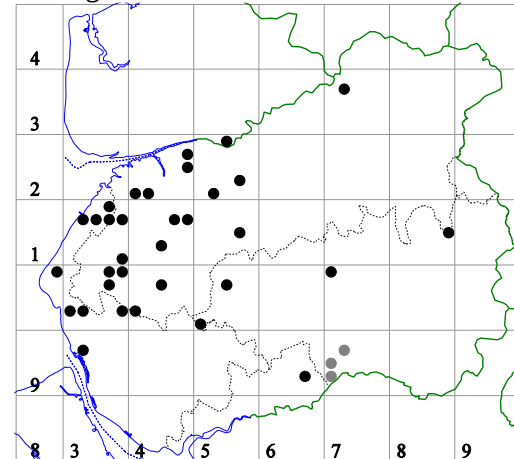
Status & distribution: Native, Least Concern (Red List for England); Axiophyte, frequent to locally common in the lowlands, particularly in the west.

Habitat: Lowland grasslands, especially on clay soils by the coast, sand dunes and open habitat mosaics on previously developed land away from the coast; frequently introduced via wildflower grassland mixtures in landscaping schemes.

***Daucus carota* ssp. *sativus* (Hoff.)**

Arcang.

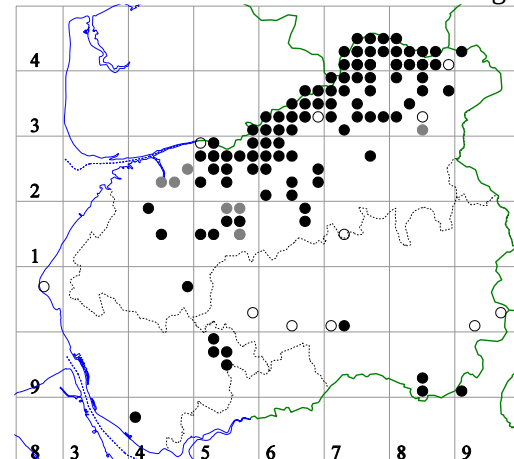
Carrot



Status & distribution: Neophyte-surviving; frequent as a relic of cultivation and on agricultural tips.

***Pimpinella major* (L.) Huds.**

Greater Burnet-saxifrage



Earlstown J Somerville 2008

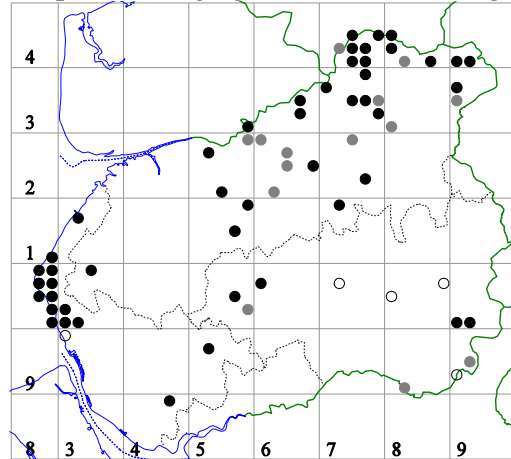
Status & distribution: Native, Least Concern (Red List for England); Axiophyte, locally common in the Ribble catchment from Penwortham to Laneshaw

Bridge, localised elsewhere but increasing as along the road from Abbey Village to Belmont and in the Sankey Valley north of St. Helens.

Habitat: Unimproved meadows, hedgebanks, field borders, roadside and railway banks.

Comments: The var. *dissecta* was recorded between Clitheroe and Pendle Hill (Supp. Eng. Bot. Syme p. 190).

***Pimpinella saxifraga* L.** Burnet-saxifrage



Calderstones, Whalley DP Earl 2009

Status & distribution: Native, Least Concern (Red List for England); Axiophyte, along the coast from Hall Road to Ainsdale, and locally common about Clitheroe, very local elsewhere.

Habitat: Old meadows, steep grassy slopes, roadside banks and riverbanks especially on basic soils, locally common on the dunes.

Comments: Much reduced due to agricultural intensification. The var. *dissecta* has been recorded at Blundellsands (SJ39E, WG Travis, 1916) and at Prestwich Hills (SD80B, JC Melvill, n.d.).

***Silaum silaus* (L.) Schinz & Thell.**

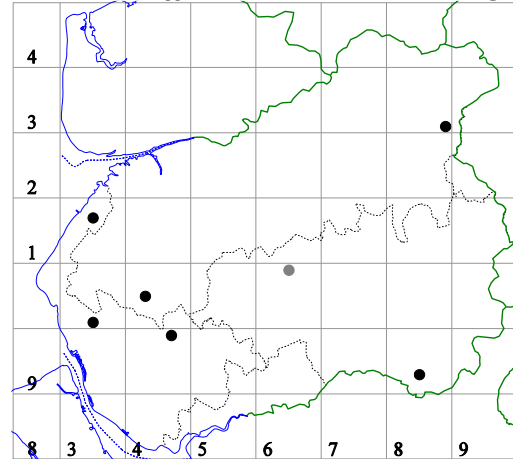
Pepper-saxifrage

Status & distribution: Native, Least Concern (Red List for England); Endangered at the vice-county level having only been recorded recently from near Leigh (SJ69J, MPG Tolfree, 1996 & 1998); planted at Sutchers Acres (SD4510, J Watt, 2014).

Former distribution: Near Denton (SJ99H, *Flora of Ashton* 1888).

Habitat: Grassland.

***Levisticum officinale* Koch** Lovage

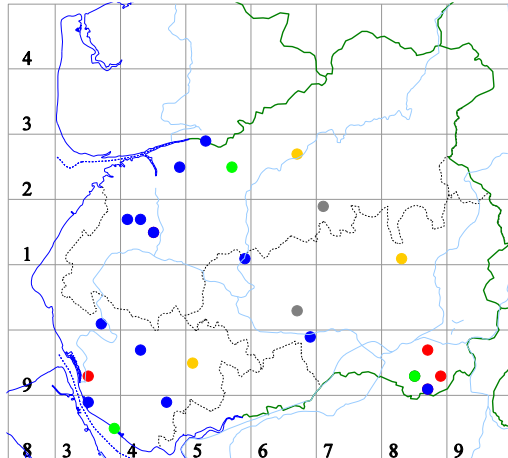


Status & distribution: Neophyte-casual; Sefton Fold Farm (SD60P, PMA Francis, 1992); Hurstwood (SD83V, Anon, 1998); Wellington Road Allotment (SJ89L, AR Franks, 2000); tip by railway, Kew, Southport (SD31N, 2001) & by a pond at Ox Hey (SD4304, 2002) DP Earl; A570 (SJ4799, 2003) and planted at Sefton Churchyard (SD3501, 2005) DP & J Earl.

Habitat: On tips, allotments and imported with topsoil.

Comments: Native to Iran.

***Coriandrum sativum* L.** Coriander



Holmeswood DP Earl 2009

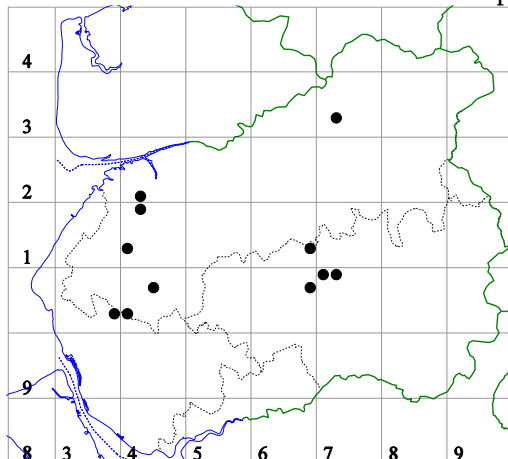
Status & distribution: Archaeophyte-cultivated; a widely distributed occasional casual.

Earliest record traced: Withington Fields (SJ89L, JB Wood, 1840, MANCH).

Habitat: Tips, bird-feeding areas, waste ground.

Comments: Native to the eastern Mediterranean.

***Pastinaca sativa* L. ssp. *sativa* Gaudin**
Garden Parsnip

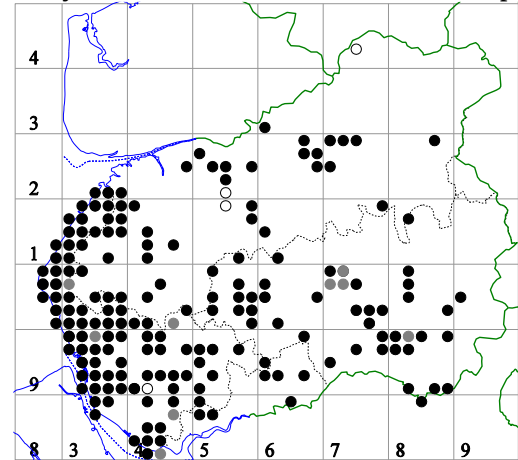


Status & distribution: Neophyte-surviving; widespread but occasional with more records from urban areas than the arable districts in the west.

Habitat: Roadsides adjoining arable fields in the west, disturbed ground, tips and about areas where bird seed is scattered.

Comments: Of horticultural origin. Probably under-recorded, the records for the Bolton may relate to allotment outcasts or the possible use of subspecies in bird seed mixtures.

***Pastinaca sativa* L. ssp. *sylvestris* (Mill.)**
Rouy & E.G. Camus Wild Parsnip



Marshside DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); Axiophyte, often common near the coast from Widnes to Banks, locally frequent inland.

Habitat: Sand-dunes, railway tracks, roadsides and a colonist of industrial waste ground and open habitat mosaics on previously developed land away from the coast.

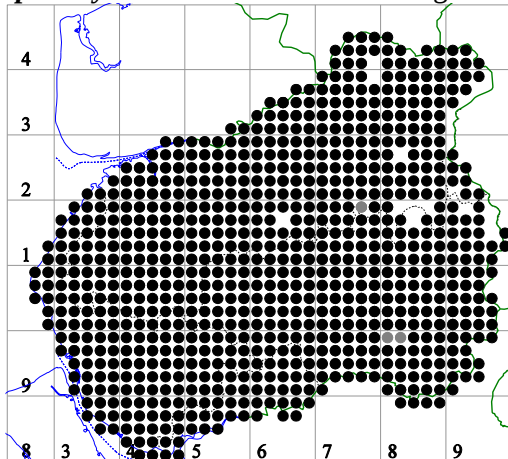
Pastinaca sativa L. ssp. *urens* (Req. ex Godr.) Čelak Eastern Parsnip



Botany Bay, Chorley DP Earl 2020

Comments: Neophyte-naturalised; occasional but increasing along and beside the motorway network seen along the M6 at Orrell (SD5305), Haydock (SJ5797) & Croft (SJ6392) by P Stanley, 2017.

Heracleum sphondylium L. ssp. *sphondylium* Hogweed

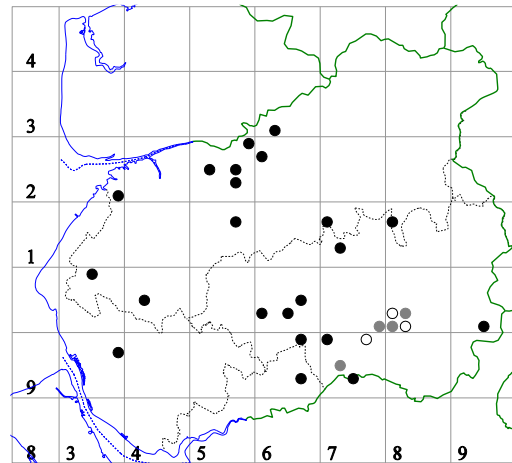


Maghull DP Earl 2019

Status & distribution: Native, Least Concern (Red List for England); common and widespread except at higher altitudes and on saltmarshes.

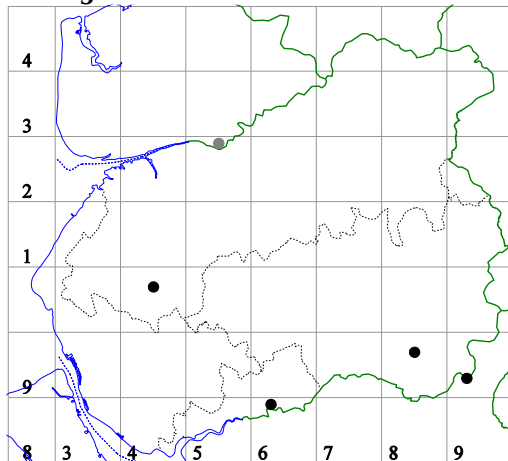
Habitat: Grasslands, woodlands, riverbanks, roadside verges, railways, canals, wasteground and former industrial sites.

The var. *angustifolium* is locally frequent in some districts.



Brinscall DP Earl 2020

Heracleum sphondylium* x *H. mantegazzianum



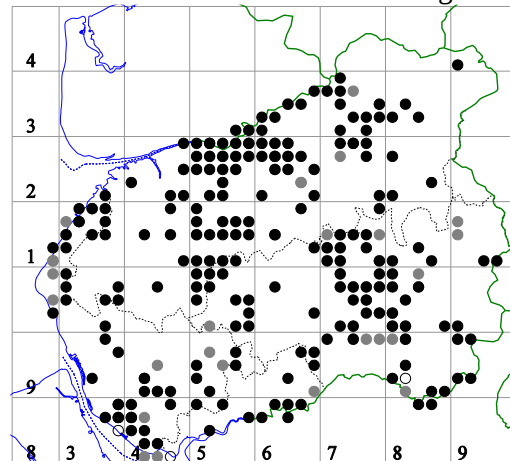
Preston Junction DP Earl 2020

Status & distribution: Native x Neophyte; banks of the Ribble, Preston (SD52, V Gordon, c. 1980); Hulme's Wood, Denton (SJ99G, A & N Bamforth, 1995); (SJ89N, AR Franks, 1997); Paddington Meadows, Warrington (SJ6388, G Quartly-Bishop, 2015); Dicket's Brook Wood (SD4507, DP Earl & N Bruce, 2019); Preston Junction (SD5328, DP & J Earl, 2020).

Habitat: Riverbanks, wooded streambanks and railway banks.

Comments: Possibly overlooked and under-recorded.

***Heracleum mantegazzianum* Sommer & Levier**
Giant Hogweed



Bury J Somerville 2008

Status & distribution: Neophyte-naturalised, INNS; widespread and locally frequent especially along river valleys; spreading extensively downstream of the historic locations such as Woodfold, near Blackburn.

Earliest record traced: Stockbridge Lane (SJ49G, 1930, W Chesher).

Habitat: Riverbanks, wet woods and roadsides.

Comments: Native to south-western Asia; increasing and difficult to eradicate.

***Trachyspermum ammi* (L.) Sprague**
Ajowan

Status & distribution: Neophyte-casual; at a lodge, Hollinwood Canal (SD90A, Rev CE Shaw, 1970, det. JE Lousley); waste ground, Liverpool (SJ3689, AJ Coombes, 1976); garden weed, Oldham (SD90, V Gordon, 1991).

Habitat: Disturbed ground probably originating from bird seed.

Comments: Native to the eastern Mediterranean region.

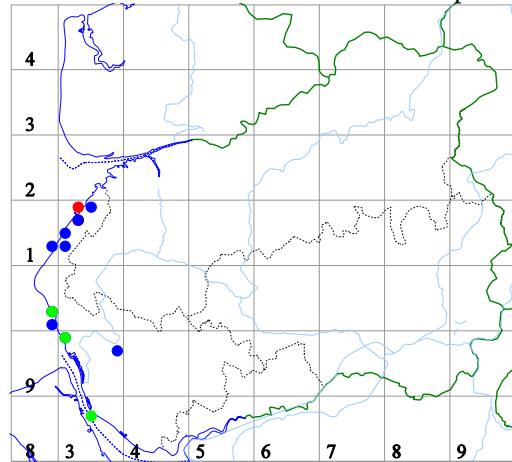
***Sison amomum* L.** Stone Parsley

Status & distribution: Native, Least Concern (Red List for England); Endangered at the vice-county level and perhaps now extinct, Festival Gardens Site, South Liverpool (SJ38T, V Gordon, 1997); Winwick Hospital grounds (SJ69B, DP Earl, 2003) site now developed.

Habitat: Grassy places on well-drained soils.

Comments: May be overlooked and should be looked out for when recording in lowland areas within a few kilometres of the river Mersey.

***Crithmum maritimum* L.** Rock Samphire

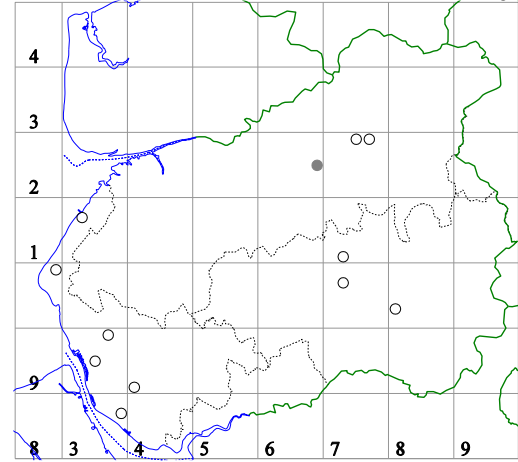


Hightown J Somerville Earl 2008

Status & distribution: Native, Least Concern (Red List for England); Scarce (9) known from the Southport area in 1826 and 1851 but not recorded again until 1992 when plants appeared at Hightown (SD20W, V Gordon). Populations have subsequently become established along the coast between Crosby (SJ39E) and Marshside (SD31P). There is an inland record from the Fazakerley area (SJ39Y, V Gordon, 2000) probably resulting from the importation of coastal materials.

Habitat: Brick shingle and concrete walls by the sea.

***Carum carvi* L.** Caraway



Status & distribution: Archaeophyte-cultivated; widely scattered but infrequent. There are un-localised 10km records for SD30, SD52 & SD61.

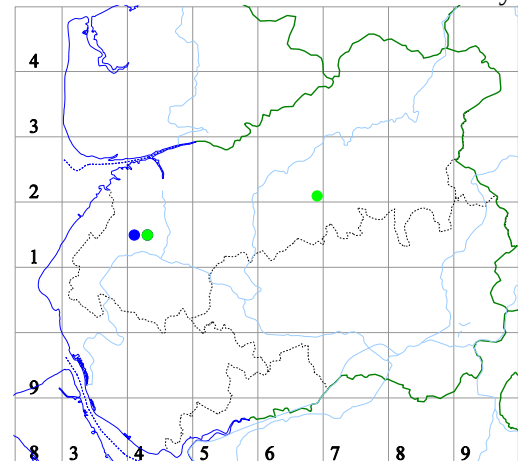
Last record traced: Blackburn (SD6824, Anon@LERN, 1984).

Habitat: Tips, waste ground, roadsides, areas where bird seed is scattered.

Comments: Native to mainland Europe. There have been several records from Martin Mere (SD4214) which are probably errors and likely to be *Trocdaris verticillatum* L.

***Trocdaris verticillata* (L.) Raf.**

Whorled Caraway



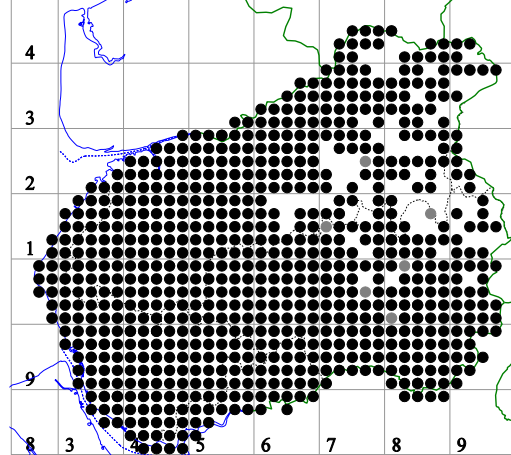
Status & distribution: Native, Vulnerable (Red List for England); Rare (2) and perhaps Critically Endangered at the vice-county level; discovered at Martin Mere (SD41C & SD41H, PJ Wisniewski, 1990) where surviving and increasing in

abundance. One plant found on the Darwen Moors (SD62V, P Jepson, 2023).

Habitat: Wet grassland on peat-based soil.

Comments: Plants may have originated from the migration of wildfowl.

Aegopodium podagraria L. Ground-elder



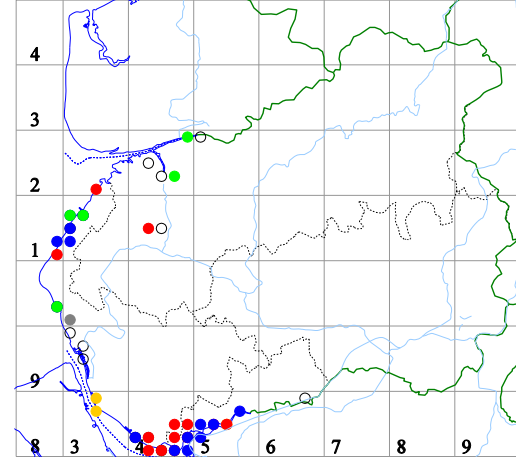
Lower Penwortham DP Earl 2008

Status & distribution: Archaeophyte-denizen, Least Concern (Red List for England); well established throughout much of the lowlands and the main East Lancashire valleys. Absent from much of the higher ground.

Habitat: Disturbed ground, riverbanks, roadsides, churchyards and gardens.

Comments: Considered native to Central Europe, plants were introduced to the British Isles in Roman times.

Apium graveolens L. Wild Celery



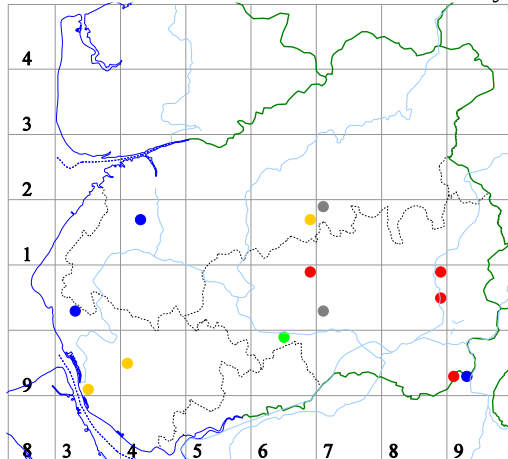
Hightown DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); Axioophyte, occasional along the coast, locally frequent in the Mersey estuary, rare inland at Martin Mere (SD41H, PJ Wisniewski, c.1990).

Habitat: Saltmarshes, brackish ditches, and retaining walls subject to salt-water inundation, marshy areas on the coastal plain.

Comments: Note the need to revisit the Mersey Estuary.

Apium graveolens L. var. *dulce* (Mill.) DC. Celery

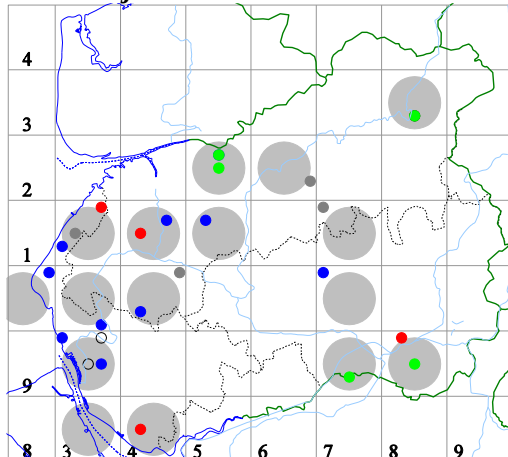


Holmeswood DP Earl 2009

Status & distribution: Neophyte-casual; most inland records are considered to have been var. *dulce* (Mill.) DC. Celery.

Earliest record traced: Leigh area (SD60, BW Fox, 1960).

Ammi majus L. Bullwort



Walton-le-Dale DP Earl 2019

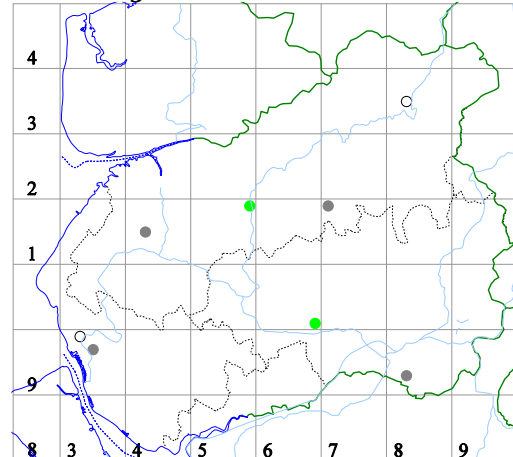
Status & distribution: Neophyte-casual; a widespread but occasional casual.

Earliest records traced: Walton (SJ39M) & Aintree (SJ39U) JA Wheldon, 1892.

Habitat: Waste ground, pavements, tips, garden weed.

Comments: Native to southern Europe. Introduced with bird seed and therefore frequently found in bird feeding areas.

Anethum graveolens L. Dill



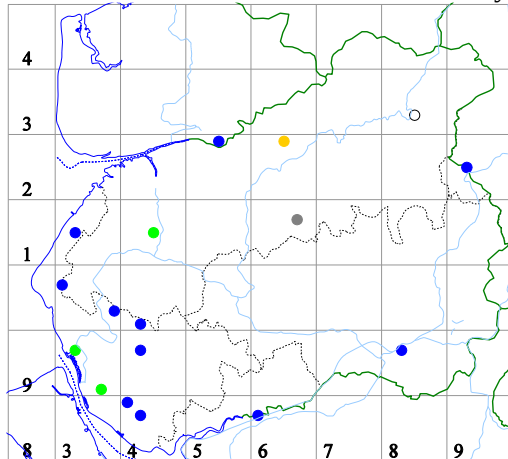
Status & distribution: Archaeophyte-colonist-casual.

Earliest records traced: Ford (SJ39J, JA Wheldon, 1913).

Habitat: Waste ground and tips.

Comments: Native to Asia.

***Petroselinum crispum* (Miller) Nyman ex A.W. Hill** Garden Parsley



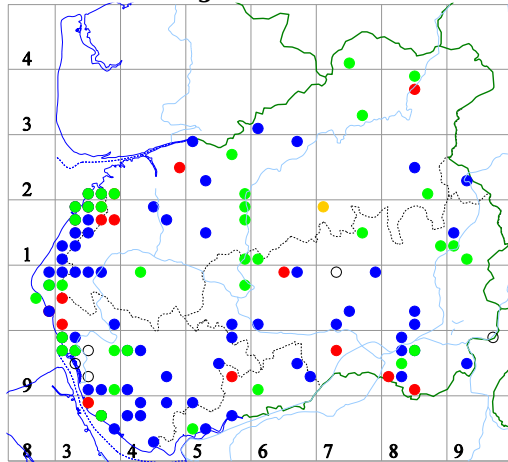
Status & distribution: Archaeophyte-cultivated, Least Concern (Red List for England); casual.

Earliest records traced: Leverhulme Rubbish tip at Burnley (SD83L, CR Richings, c. 1920).

Habitat: Tips, waste ground and pavements.

Comments: Originating from the eastern Mediterranean. A plant resembling Garden Parsley but with yellow flowers was found at Warrington Old Locks (SJ6086, DP Earl & J Earl, 2012).

***Foeniculum vulgare* Mill.** Fennel



Whittle-le-Woods DP Earl 2020

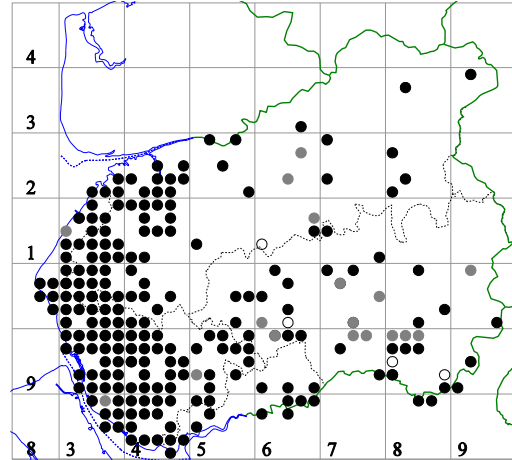
Status & distribution: Archaeophyte-denizen, Least Concern (Red List for England); most frequent along the coast but increasingly established inland.

Earliest records traced: Leverhulme Park, Bolton (SD70J, T Greenlees, 1908); Marshside embankment (SD32Q, JA Wheldon, 1909).

Habitat: Roadsides, tips and waste ground.

Comments: Native to mainland Europe.

***Conium maculatum* L.** Hemlock





Formby DP Earl 2008

Status & distribution: Archaeophyte-denizen, Least Concern (Red List for England); common in the western lowlands, less frequent elsewhere and generally absent from higher ground.

Habitat: Roadsides, waste ground, tips, ditches and riverbanks generally on light soils; often abundant (but fleeting) on disturbed soil around civil engineering works, sometimes persisting on motorway verges.

Comments: Formerly considered to be common in the limestone districts *Savidge et al* (1963) but not recorded in recent times; surprisingly no hectad records were given or have been traced to support this statement.

***Visnaga daucooides* Gaertn.**

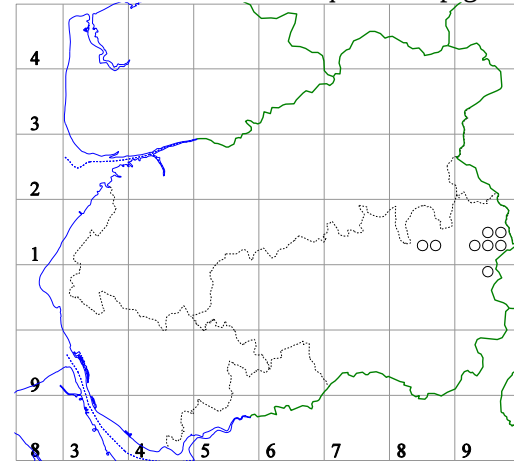
Toothpick-plant

Status & distribution: Neophyte-casual; Crown Wallpaper Tip (SD7019, RK Brummitt, 1959, LIV, CA Howe & Rev CE Shaw, 1960 det. JE Lousley); between Dales St. and Soho St., Bolton (SD70E, D Downing & AR Franks, 1994).

Habitat: Tips and pavements.

Comments: Native to the Mediterranean region.

***Meum athamanticum* Jacq. Spiguel**



Status & former distribution: Native, Nationally Scarce, Near Threatened (Red List for England); a lane by Scolefield Hall (SD91M, Ray 1724); Whiteley Dean (SD91L, J Percival, c. 1859 & B Bellfield, 1885); additional locations given by Bellfield include Butterworth (SD91G); Piethorne Farm (SD91R); near Lane Bottom (SD91L) & Windy Hill (SD91S).

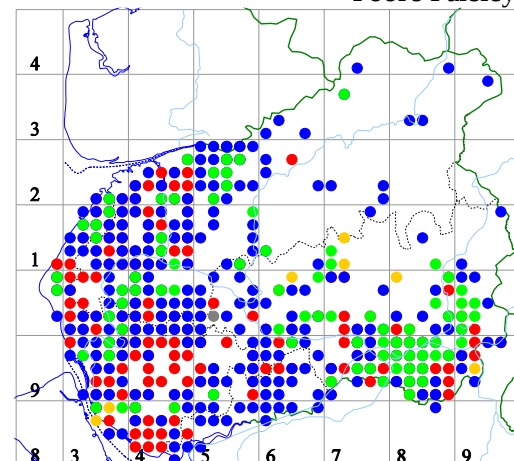
Last record traced: Rochdale Cemetery (SD81R, F Williamson, 1914).

Habitat: Un-improved upland pastures, hay meadows and grassland area in a cemetery.

Comments: The Rev CE Shaw searched for this plant at the historic locations without success.

Aethusa cynapium* L. ssp. *cynapium

Fool's Parsley





Hesketh Park, Southport DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); a common adventive species at lower altitudes in the west and in southern Greater Manchester, much less frequent elsewhere.

Habitat: Disturbed ground, waste ground, gardens and arable fields.

Comments: The distribution of this species follows that of the arable archaeophyte species. Further studies at the subspecific level are to be encouraged.

Aethusa cynapium L. ssp. *cynapioides*

Status & distribution: Neophyte-casual; Bridgewater Canal, Stretford (SJ7993, D Bishop, 2010, det. D Bishop & GM Kay).

[*Thyselium palustre* (L.) Raf.

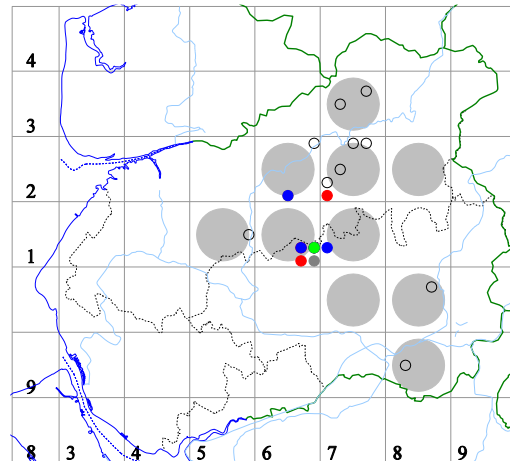
Milk-parsley

Status & former distribution: Native, Vulnerable (Red List for England); recorded from the Southport area (SD31, early 1800's *Glazebrook* 1826); dyke between North Meols and Crossens (SD31U, FAL, 1870). On a return visit in 1910 FA Lees was unable to find this plant.

Habitat: Marshes and ditches.

Imperatoria ostruthium L. Koch

Masterwort



Colliers Row, Smithills DP Earl 2020

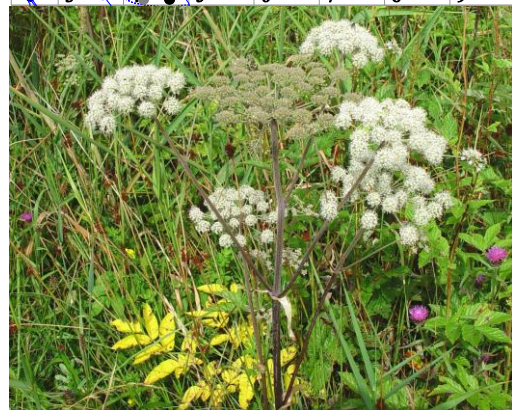
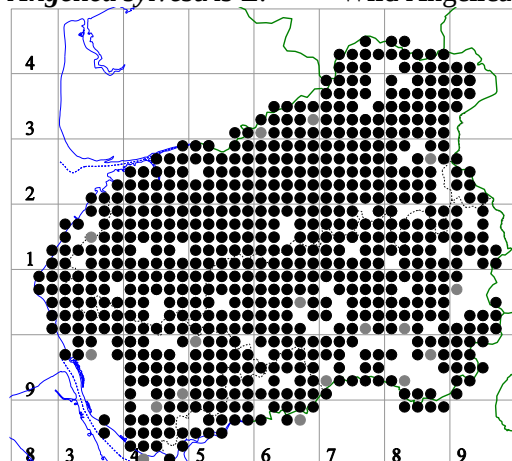
Status & distribution: Archaeophyte-denizen, Least Concern (Red List for England); surviving in the Walker Fold

district (SD61Q, SD61R & SD61W, J Lowell) & Blackburn with Darwen (SD7020, Anon@LERN, 1996). Occurred on the banks of a track at Withnell (SD6421, DP & J Earl, 2004) close to a location known to Rev CE Shaw in 1985 but the plant did not persist.

Habitat: Roadsides and tracks usually close by to farms and hillside cottages.

Comments: Near Threatened; native to central and southern Europe. Long established in the Walker Fold district to the north-west of Bolton (*Greenlees & Holden* 1920); about Darwen (*Darwen Flora* 1936).

Angelica sylvestris L. Wild Angelica



Pendleton DP Earl 2009

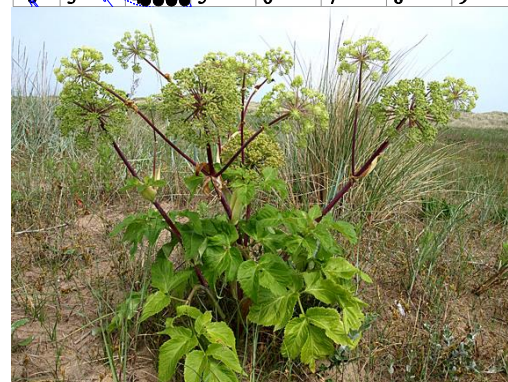
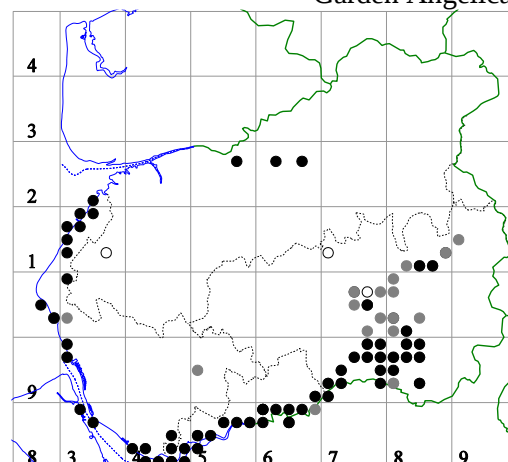
Status & distribution: Native, Least Concern (Red List for England); widespread and locally common but absent from areas dominated by housing and lacking suitable habitats.

Habitat: Marshes, damp meadows, canal and riverbanks, ditches and wet woods.

Comments: Under-recorded in some areas especially where access is very limited.

Angelica archangelica L.

Garden Angelica



Birkdale PH Smith 2008

Status & distribution: Neophyte-naturalised; locally common downstream of Rochdale and Bolton along the Roch, Croal, Irwell rivers and along the Manchester Ship Canal extending along the coast to Marshside; along parts of the Bridgewater Canal, very local elsewhere.

Earliest record traced: Banks of Mersey, Arpley, Warrington (SJ68E, CR Billups, 1887).

Habitat: Rocky and stony riverbanks, canal and river retaining walls; along the high-water mark and upper reaches of saltmarshes.

Comments: Highly fertile and readily germinating.

Bifora testiculata (L.) Spreng.

European Bishop

Status & distribution: Neophyte-casual; Spring Hollow, Stalybridge (SJ99U, F Collier, 1914).

Comments: Native to North Africa, southern Europe, western Asia and the Caucasus.

***Turgenia latifolia* (L.) Hoffm.**

Great Bur-parsley

Status & distribution: Neophyte-casual; garden weed, Walton (SJ39M, JA Wheldon, 1892) associated with *Caucalis platycarpos* and *Torilis nodosa*; Primrose sidings, Clitheroe (SD74F, T Hargreaves, 1906); one plant in a cornfield, Whiston (SJ49Q, Rev M Toohey, 1908); several plants at Royal Oak Farm, Whiston (SJ49Q, Rev M Toohey, 1910); Ashton-under-Lyne (SJ99J, F Collier, 1914).

Habitat: Disturbed ground, arable land, railway sidings.

Comments: Native to mainland Europe.